

PETROLEUM DIVISION

19 SEP 1995

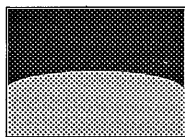
CAPITAL ENERGY N.L.

**PEP 124, Onshore Gippsland Basin
Victoria**

LOY YANG 1A

WELL COMPLETION REPORT

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**LOY YANG-1A
PERMIT PEP 124, ONSHORE GIPPSLAND BASIN,
VICTORIA, AUSTRALIA**

WELL COMPLETION REPORT

SEPTEMBER 1995

COMPILED BY CAPITAL ENERGY NL

LOY YANG 1A COMPLETION REPORT

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1. GENERAL DATA

1.1 GENERAL DATA TABLE

| | |
|------------------------|--|
| Well name | Loy Yang-1A |
| Well Type | Exploration |
| License | PEP 124 |
| Area | Onshore Gippsland Basin Victoria |
| Total Depth | 1736 m RT |
| Status | Plugged and Abandoned |
| Participants | Capital Energy NL (Operator) 57.5% |
| | Sagasco Resources Limited 25% |
| | Sun Resources NL 12.5% |
| | Tyers Petroleum Pty. Ltd. 5% |
| | Victorian Geological Survey funded drilling from 1700 to 1736m. |
| Surface Location: | 1000m west of Loy Yang A power station and 200m south of Bartons Lane-Latrobe Valley, Gippsland. |
| Seismic Line | not applicable |
| Shot point | not applicable |
| Latitude | 38° 15' 13" |
| Longitude | 146° 33' 31" |
| Easting (AMG) | 461 382.8 (AMG Zone 55/AHD) |
| Northing (AMG) | 5 765 939.8 |
| Ground Elevation | 97.2m |
| KB Elevation | 100.4m |
| Date Spudded (-1) | 7 October 1994. |
| Date at TD. (-1) | 21 October 1994. |
| Date Rig Released (-1) | 21 October 1994. |
| Date Spudded (-1A) | 30 October 1994. |
| Date Panda (-1A) | 12 December 1994. |
| Rig Released (-1) | 13 December 1994. |
| Drilling Contractor | Rural Water Commission |
| Rig | Rig 4 |
| Hole Sizes | 17½" 0-136 m |
| | 12¼" 136-362.7m |
| | 8½" 362.7-1736 m |
| 20" Casing | 10m |
| 13 3/8" Casing | 114.8m |
| 9 5/8" Casing | 354m |
| Estimated Cost | \$1,042,454 |

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1.2 SUMMARY

Loy Yang-1A was the first modern well to be drilled within the onshore Gippsland Basin Petroleum Exploration Licence PEP 124 (refer to Figure 1). Under a transfer of operatorship, SAGASCO Resources Limited the original operator of PEP 124, farmed out to Quicksilver Resources N.L. who elected to drill a well at Loy Yang to earn a 75% equity in the permit. Quicksilver Resources (re-named Capital Energy N.L.) farmed out 12.5% to Sun Resources. Tyers Petroleum Pty. Ltd. had a 5% free carried interest in the well through a previous agreement.

The objective was to test the full stratigraphic section of the Lower Cretaceous Strzelecki Group for hydrocarbons in a structural trap. The primary objectives were the Rintouls Creek Sandstone and Tyers Conglomerate. These units outcrop some 12 km to the north east on the northern margins of the Latrobe Valley (refer to Figure 2). Previous oil exploration wells have drilled into the Strzelecki Group, but most failed to make significant stratigraphic progress.

Recent successes in finding commercial hydrocarbon reserves in similar aged Pretty Hill Sandstones in the nearby Otway Basin encouraged the Joint Venture to explore this analogous play in the Gippsland Basin.

The well location was chosen at a near crestal position on the Loy Yang Dome, a large Tertiary domal-anticlinal feature located in the central part of the Latrobe Valley. The dome had been mapped in detail utilising the very extensive brown coal exploration drilling data base associated with open cut coal mining operations nearby. At the Base Tertiary-Top Strzelecki Group level the dome has approximately 20 km² of closure.

The crest of the anticline also coincided with a minimal thickness of the overlying Tertiary section so that maximum penetration of the Strzelecki Group could be achieved. Mainly due to geophysical difficulties in acquiring accurate data beneath the overlying brown coals, previous seismic acquired nearby (e.g. SAGASCO 1991 Traralgon Seismic Survey) had been unable to distinguish Strzelecki Group structure at depth. A gravity survey undertaken on behalf of the Joint Venture by Tyers Petroleum together with computer modelling was later used to derive structural configuration of the dome and estimate depth to basement (refer to Figure 3).

Loy Yang-1 was spudded on 7 October 1994. Circulation was lost in the upper sandstones of the Tertiary Latrobe Valley Group. Drilling proceeded without circulation to 217m and 9 5/8" casing set at 181.75m. Drilling with returns proceeded until 323m in Strzelecki Group siltstone where the drill string became stuck. Two deviations from 187m failed and the rig was then moved 500m to the Loy Yang-1A location

Drilling at Loy Yang-1A commenced on 30 October 1994. Circulation was again lost in the upper sandstones of the Tertiary Latrobe Valley Group and drilling proceeded without returns to 136m. The hole was then cased with 13 3/8" casing to 115m. Drilling recommenced on 7 November at 136m in tuffs and claystones of the Tertiary Carrajung Volcanics. The Strzelecki Group was encountered from 148m to 163m (Unit 1) where the drill string became stuck, probably due to expanding claystones of the Carrajung Volcanics. The difficult zones were cemented off and drilling proceeded in Strzelecki Group interbedded siltstone, sandstones and claystones to 363m (Unit 1-2). The 9 5/8" casing was run in to 354m and rig repairs undertaken.

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Drilling recommenced on 24 November and continued in Strzelecki Group sediments comprised broadly of the following:

- 363-478m interbedded siltstone, sandstones and claystones (Unit 2);
- 478-642m sandstones and siltstone (Unit 3);
- 642-768m interbedded claystones, siltstone and sandstones (Unit 4);
- 768-828m claystone and minor coal (Unit 5);
- 828-952m sandstone with interbedded siltstone (Unit 6);
- 952-1023m claystone with minor coal (Unit 7);
- 1023-1057m sandstone and siltstone (Unit 8);
- 1057-1129 claystone and coal (the Wonthaggi Coal Measures-Unit 9);
- 1129-1238m interbedded sandstones with siltstone and claystones (Unit 10);
- 1238-1399m interbedded siltstone with lesser sandstones and claystones (Unit 11)
- 1399-1551m interbedded siltstone with sandstones and claystones (the Wonthaggi Subgroup-Unit 12).

From 1551-1676m the Rintouls Creek Sandstone was encountered comprising mainly sandstone with a slightly coarser grain size than the sandstones of the Strzelecki Group above.

From 1676-1736m interbedded conglomerates and sandstones attributed to the Tyers Conglomerate were encountered.

At 1700m a DLL-MSFL-SONIC-GR-SP log was recorded.

According to an agreement reached prior to spud of the well, additional funding to drill if possible to basement (having already evaluated the commercial potential of the well) was obtained from the Victorian Geological Survey. At 1736m TD mechanical problems precluded further progress. A LDL-CNL-GR and dipmeter log suite was run, evaluated and the well then plugged and abandoned on 12 December at 1736m TD.

Only low or insignificant reservoir porosities were recorded while drilling or recognised on logs. The objective Rintouls Creek Sandstone appeared to contain a siliceous-carbonate cement (dolomitic) and was not porous. The Tyers Conglomerate objective had poor reservoir qualities and a siliceous-calcareous matrix.

Traces of methane from 235m accompanied most claystones and coals. Below 540m the traces were common and comprised a fairly regular background of around 10-30 ppm. Methane peaks up to 0.6% accompanied by traces of ethane occurred in the Wonthaggi Coal Measures between 1057-1129m. Fluorescence was detected in air dried carbonaceous claystones and coals below 960m, comprising faint streaming pale yellow cut to patchy yellow white film. Trace residual ring fluorescence occurred in carbonaceous siltstone below 1260m. Up to 20% very dull yellow pin point fluorescence was recorded in fine sandstones at the top of the Rintouls Creek Sandstone between 1552-1558m but no visible porosity was present. Similar shows were recorded from a sandstone at the top of the Wonthaggi Subgroup (Unit 12). A subsequent log interpretation confirmed the lack of porosity. Due to the lack of porosity no DST or wireline testing was carried out and the well plugged and abandoned.

Note: Unless specified otherwise, all depths in this report are below rotary table (RT).

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1.3 PREVIOUS DRILLING

The nearest well to Loy Yang-1A is the 1921 Boola Boola-1 oil bore near Tyers, about 12 km to the north-east. At this well drilling ceased in the Tertiary Latrobe Valley Group at 557m. Reports of oil film and gas were recorded between 417-530m (refer to Figure 4). Only a lithology description is available.

The nearest conventional oil well is the APM Rosedale-1 drilled on the crest of Snake Ridge near Rosedale in 1960. It is located 25 km to the east north-east of Loy Yang-1A and drilled 714.7m of Tertiary Latrobe Valley Group and 1064m of Strzelecki Group. Its structural position remains conjectural but probably is located near the crest of the Snake Ridge Anticline. No shows were reported and the well reached TD in the Strzelecki Group at 1778.7m. A number of cores were recovered and a suite of resistivity logs run.

In 1963 ARCO drilled Bellbird-1, 41 km east, to 761.9m. The well encountered 283.7m of Tertiary Latrobe Valley Group and 478.2m of Strzelecki Group. No shows were reported. A set of logs were run including electric and lateral. A mud gas detector was installed. Based on Tertiary coal drilling information, the well is located on the crest of the Baragwanath Anticline. This structure is separate to the Loy Yang Dome and has a number of culminations along its length.

In 1961, 65 km east, ARCO-Woodside Oil Co. drilled Wellington Park-1. This is the deepest well in the onshore Gippsland Basin and penetrated 1027.1m of Tertiary Seaspray/Latrobe Groups and 2633.7m of Strzelecki Group to reach 3660.8m TD without intersecting basement. The structural configuration of this area remains in doubt, but from gravity information the well appears to have drilled into the centre of a major gravity low trending eastwards from the centre of the Latrobe Valley into the central deep of the offshore basin. A conventional suite of resistivity-lateral and sonic logs were run together with a comprehensive coring program. Up to 20% fluorescence was recorded in core at 2249m and at 2670-2709m and 1554m of gas cut salty water and mud was recovered from a DST. No other shows were noted.

A number of wells drilled principally by ARCO-Woodside Oil Co. in the 1960's are located along or near the coastline of Gippsland and some penetrated up to 500m of Strzelecki Group usually underlying 600-800m of Tertiary section. The most significant hydrocarbon test was in North Seaspray -1 where wet gas was recovered from a DST of the upper beds of the Strzelecki Group. Duck Bay -1 was the only well in this series to penetrate through the Strzelecki group to reach basement and is located on the northern margins of the basin near Bairnsdale. Here the Strzelecki Group was only 149.3m thick and is underlain by 289.2m of volcanics and Permian sediments over basement at 1256.9m.

The following table attempts to correlate the stratigraphy of the two nearest wells to Loy Yang-1A. Correlation and subdivisions of the Strzelecki Group are provisional only, due to the lack of quality logs run in the older wells and their unknown stratigraphic position at TD. A cross-section of these wells is shown on figure 5.

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1.4 LOY YANG-1A WELL CORRELATIONS

| Formation | Loy Yang-1A | | Rosedale-1 | | Wellington Park-1 | |
|--|-------------|--------|-------------|-------------|-------------------|---------------|
| | m RT | m SS | m RT | m SS | m RT | m SS |
| Top Haunted Hill Formation | 0 | 0 | 0 | 0 | 0 | 0 |
| Top Latrobe Valley (or Seaspray) Group | 23 | 19.8 | 51.8 | 48.8 | 115.8 | 109.4 |
| Top Carrajung Volcanics | 130 | 126.8 | not present | not present | not present | not present |
| Top Strzelecki Group | 148 | 144.8 | 714.7 | 711.7 | 1027.1 | 1020.7 |
| Top of Unit 4 | 642 | 638.8 | 924 | 921 | 1981.1 | 1974.7 |
| Top of Unit 5 | 768 | 764.8 | 1112 | 1109 | 2224.9 | 2218.5 |
| Top Wonthaggi Coal Measures (Unit 9) | 1057 | 1053.8 | 1408.1 | 1405.1 | 2517.5 | 2511.1 |
| Top sand Wonthaggi Subgroup (Unit 12) | 1399 | 1395.8 | 1756 | 1753 | ? | ? |
| Top Rintouls Creek Sandstone | 1551 | 1547.8 | not reached | not reached | ? not reached | ? not reached |
| Top Tyers Conglomerate | 1676 | 1672.8 | not reached | not reached | ? not reached | ? not reached |
| TD | 1736 | 1732.8 | 1778.7 | 1775.7 | 3660.8 | 3654.4 |

2. GEOLOGY

2.1 REGIONAL GEOLOGY

2.1.1 TECTONIC SETTING

In Jurassic-Early Cretaceous times the onshore Gippsland Basin developed as a symmetrical rift associated with the early stages of continental break up of Gondwanaland. The symmetry seen by the manner in which basement occurs on the northern and southern sides of the basin in the form of two terraces converging westwards. The axis of the basin was located along the central deep in the offshore which trends updip to the west to merge with a deep gravity low positioned in the centre of the Latrobe Valley. This axis is further accentuated by the onlap of the Neocomian Tyers Conglomerate onto basement on the northern terrace and, as a mirror image, the Chitts Creek Conglomerate onlapping the southern terrace.

In the lowermost Early Cretaceous Neocomian times rapid down-warping occurred with the central deep as the axis. Deposition of conglomerates and sandstones which included the Tyers Conglomerate and the Rintouls Creek Sandstone commenced. In late Neocomian times a tectonic pulse occurred which initiated the rapid deposition of a series of first cycle volcanogenic sediments, the Strzelecki Group, into newly created basins created by syn-depositional normal faulting with a dominant north-east south-west and east west trend. This sedimentary and tectonic change is thought to result in a Barremian - Aptian unconformity (top Wonthaggi Subgroup-Unit 12) noted on the Loy Yang-1A well logs.

In mid Cretaceous times a second tectonic pulse occurred when associated volcanism and dykes intruded the Strzelecki Group in north-west south-east directions due to north-east south-west extension. Selective uplift commenced in the basin during this time in the form of

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major anticlines that were partly eroded. This is expressed by the angular unconformity between Tertiary-Upper Cretaceous sediments and Strzelecki Group evident in the major anticlines. This was also a time of major basinal heating, apatite and zircon fission tracks were reset from this time in the Strzelecki Group. By the end of the Late Cretaceous, structures now present onshore such as the Loy Yang Dome and Baragwanath Anticline were well developed.

During the Tertiary the development of the onshore central deep was effected by a pre-existing zone of weakness that crosses the basin trending south-west north-east. This is represented by the rejuvenated Tyers Basement Ridge and associated faulting that trends between the North Yallourn-Tyers area and the Cape Liptrap-Turtons Creek basement outcrops on the southern margins of the basin. Between these two major basement outcropping areas occur a number of shallow basement outcrops and subcrops including outcrops at Turtons Creek and Boolarra and subcrops at Morwell and Yallourn. Dating of the movements along the Tyers Basement Ridge is provided by the Thorpdale Volcanics which are dated at between 20-25 my, with an earlier period of movement dated by the 55 my. Carrajung Volcanics.

Subsidence continued throughout the Tertiary during which time the thick brown coal seams and associated sediments of the Latrobe Valley Group and its marine Seaspray Group facies equivalents were deposited. At this time the rate of subsidence over pre-existing highs such as Loy Yang Dome and Baragwanath Anticline was somewhat less than in the adjacent synclines. These structures developed more pronounced relief as time elapsed throughout the Tertiary. By Pliocene times many of these structures became emergent and substantial thicknesses of Tertiary were stripped off the highs, producing a Pliocene unconformity on top of which the Haunted Hill Formation was deposited.

2.1.2 REGIONAL STRATIGRAPHY

2.1.2.1 Palaeozoic Basement

Basement rocks occur along the northern edge of the onshore Gippsland Basin associated with the Eastern Highlands of Victoria. These consist of the Ordovician-Middle Devonian Jordan River and Walhalla Group metasediments with granites of Upper Devonian age. Lower Carboniferous Avon River Group sediments occur east of the Mt. Wellington axis and Carboniferous conglomerates have been recorded below the Tertiary along the northern margins of the basin. There are subsurface intersections of Palaeozoic basement along the line of the Tyers Basement Ridge including bores at Hazelwood, Yinnar and Yallourn. Duck Bay-1 is the only well to reach Jordan River Group basement slates below Strzelecki Group at total depth.

2.1.2.2 Jurassic? Sediments

Jurassic? sediments described as part of the Strzelecki Group were recorded over the lower 853m at Wellington Park -1. They comprise siltstone and claystones which are gypsiferous, siliceous and carbonaceous. Vitrinite reflectances are noticeably higher in this interval with a dislocation of the trend at the perceived Lower Cretaceous-Jurassic boundary. The palynological dating of this interval remains conjectural.

2.1.2.3 Tyers Conglomerate

This basal sequence to the Strzelecki Group is exposed just north of Tyers where it has a strike length of 21 km outcropping north of the Yallourn Monocline. Here the exposures dip 12-20° south south-east. This clastic section can be up to 280m thick. The basal conglomeratic interval is a wedge shaped conglomerate measuring 96+m thick. This interval has also been recorded in nearby bores such as Hazelwood-1664, Moe-1 and -2 and Tyers-1 and -2. In south Gippsland, equivalent outcrops occur at Chitts Creek (the Chitts Creek Conglomerate) and in coal bores in the Wonthaggi and Korumburra Black Coal Fields.

The conglomerate consists of well rounded and flattened pebbles of Palaeozoic basement sandstones with subordinate vein quartz, quartzites, mudstones and shales. The matrix is mainly coarse angular vein quartz sandstone. The interval can be massive or weakly cross-bedded and grades up into pebbly sandstones near the top. A maximum thickness of 130m occurs in the Tyers River and to the east it appears to grade into Rintouls Creek Sandstone. It overlies steeply dipping Palaeozoic bedrock with both erosional and faulted contacts. The conglomerate can be polymictic with variable size constituents. It was probably deposited as alluvial fan sequences against the basin margin fault scarps and as fluvial sequences on the valley floors. In outcrop it appears to infill older topography and at Wonthaggi it is known to thicken off-structure.

2.1.2.4 Rintouls Creek Sandstone

This unit is the main reservoir target of the Strzelecki Group. It outcrops in the north of the Latrobe Valley where it conformably overlies the Tyers Conglomerate. The unit comprises well bedded fine-coarse grained quartzose sandstones and interbedded claystones and rare seams of black coal and carbonaceous claystones. The sandstones consist predominantly of quartz and sedimentary rock fragments. The detrital matrix is variable ranging between 10-50%. Quartz overgrowths have been recorded. The sandstone has a measured thickness of 130m. Cross bedded units in the lower half have measured porosity up to 10%, being clean and well sorted medium grained with sub-angular to sub-rounded quartz grains. There is a minor lithic content, no feldspar and only a minor matrix of fine quartz and sericite. The unit locally contains lenses of conglomerate and pebbles up to 7 mm. It was deposited in a high energy braided stream environment before the late Neocomian volcanic pulse which provided the volcanogenic components to the Strzelecki Group sandstones. These components were unstable and yielded chlorite and calcareous cements which inhibited porosity.

2.1.2.5 Strzelecki Group

This is a sequence of volcanogenic quartzose-feldspathic sandstones, siltstone and claystones ranging in age from late Neocomian to Albian. No formal subdivisions have been made to this group, although various informal schemes exist. The subdivisions proposed for the Loy Yang-1A well in this report are also informal as their regional significance remains to be tested. Correlations of some of these units to nearby wells are shown in the preceding table and on Figure 7.

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Within the Aptian these sediments have a characteristic green-grey colour, whereas the Albian is generally lighter grey in colour. Finer grained lithologies are dark grey or grey-green. Sandstones are generally massive, locally current bedded or finely laminated. Siltstone interfaces between beds are sharp. Thin beds of plant debris and coals, together with intra-formational conglomerates occur locally developed in the sequence. The Neocomian and Lower Aptian section tends to be more coaly with sub-bituminous coal seams up to 2m thick as seen at Wonthaggi.

Coloration of the sediments is due to the presence of septichlorite as a matrix mineral. The matrix also includes sericitic clay and fine quartz chlorites. These were formed during diagenesis from fine grained volcanic matrix material. The degree of compaction and fracturing varies. In Wellington Park -1 irregular fractures are present giving a blocky pattern within the deeper section below 2590m and fractures can be filled with carbonate. This appears to increase with depth.

The Strzelecki Group was deposited in a non-marine environment which was of fluvial-lacustrine origin. The maximum measured thickness of Strzelecki Group was 2633.7m in the Wellington Park-1 well. Measured porosity's and permeability's are low in the Strzelecki Group which constitutes a regional seal and source rock over the Rintouls Creek Sandstone and Tyers Conglomerate. The sedimentary style and distribution is firstly by infilling the core of the central deep and then overstepping. The younger units of the Strzelecki Group are more widespread than the older. The underlying ?Jurassic is seen as limited to narrow depositional corridors. The Strzelecki Group thins onto basement.

2.1.2.6 Latrobe Valley Group and Seaspray Group

The Tertiary Latrobe Valley Group comprises thick 100m+ brown coal seams with interbedded sandstones and clays that unconformably overlie the Strzelecki Group in the Latrobe Valley. In the main synclines the group can be over 700m thick but on the anticlines this thickness is markedly reduced to less than 100m in places due to subsequent Pliocene erosion.

The group is the focus for power generation in Victoria and 3 large open cut mines extract the brown coal for burning as a fuel in nearby thermal power stations. Thousands of coal investigation bores have been drilled through this sequence but all were stopped at the top of the Strzelecki Group which was considered economic basement to the brown coal basins. Focus of this drilling was on structural highs where minimal overburden and maximum coal seam thicknesses occur. The brown coals are very absorbing of seismic frequencies and conventional hydrocarbon exploration techniques using these methods proved to be equivocal. Down valley, the brown coal seams grade laterally into marine carbonate sediments of the Seaspray Group, although the older Traralgon Formation coal seams continue out into the main part of the Gippsland Basin into the offshore areas, where they provide a hydrocarbon source to the oil and gas fields. Near basal and basal basaltic lavas and tuffs of the Thorpdale and Carrajung Volcanics are interbedded in the lower part of the Latrobe Valley Group and age dates of these rocks provide indications of the timing of Tertiary structuring in the Latrobe Valley.

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2.1.2.7 Haunted Hill Formation

This formation unconformably overlies the Latrobe Valley Group and comprises 10-100m thick sandy clays and clayey sands. On the main anticlines it constitutes the main overburden material above the coal seams and is usually between 10-20m thick.

2.2 WELL STRATIGRAPHY

Wireline log coverage was achieved to 1736m RT. Picks of formation tops between 25 and 136m are based on correlations to nearby coal bores because of lost circulation over this interval (refer to Figure 9).

| Sub Era | Epoch | Chronostratigraphy | | Formation Tops | | |
|------------------|---------------------------------|---|-------------------------------------|----------------|--------|---------------|
| | | | | m RT | m SS | Thickness (m) |
| TERTIARY | Pliocene | Haunted Hill Fm. | | 0 | 0 | 0 |
| | Miocene-Eocene | Latrobe Valley Group | Traralgon Formation | 23 | 19.8 | 97 |
| | Palaeocene | Carrajung Volcanics | | 120 | 116.8 | 28 |
| EARLY CRETACEOUS | Early Aptian Barremian | S T R Z E L E C K I O U P | Unit 1 | 148 | 144.8 | 77 |
| | | | Unit 2 | 225 | 221.8 | 253 |
| | | | Unit 3 | 478 | 474.8 | 164 |
| | | | Unit 4 | 642 | 638.8 | 126 |
| | | | Unit 5 | 768 | 764.8 | 60 |
| | | | Unit 6 | 828 | 824.8 | 124 |
| | | | Unit 7 | 952 | 948.8 | 71 |
| | | | Unit 8 | 1023 | 1019.8 | 34 |
| | Hauterivian- Valanginian | G R O U P | Unit 9 (Wonthaggi Coal Measures) | 1057 | 1053.8 | 72 |
| | | | Unit 10 | 1129 | 1125.8 | 109 |
| | | | Unit 11 | 1238 | 1234.8 | 161 |
| | | | Unit 12 | 1399 | 1395.8 | 152 |
| | | | Rintouls Creek Sandstone | 1551 | 1547.8 | 125 |
| | Tyers Conglom. | | 1676 | 1672.8 | 60+ | |
| | Total Depth | | 1736 | | | |

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2.2.1 HAUNTED HILL FORMATION

Interval 0-23m

Upper Boundary Pick Ground Level

Lithology

Cuttings samples above 20m were returned to the cellar. Below 20m the formation is predominantly sandstones with occasional clay and silts and rare traces of coal.

The sandstones consist of fine to coarse loose quartz grains which are clear to opaque with yellow orange iron staining. They are moderately sorted. The clay is yellowish grey and soft. The silts are greenish grey and argillaceous. Traces of brown coal occur.

Gas and Shows No gas or shows were recorded.

Wireline Character No logs were run over this interval.

Drilling Characteristics

Drill rate in the 17 1/2" hole ranged from 2 to 10 min/m, averaging 7 min/m. The hole was drilled with fresh water. Due to lost circulation, the interval from 23 to 136m RT was drilled without circulation returns.

2.2.2 LATROBE VALLEY GROUP-TRARALGON FORMATION

Interval 23-120m RT

Upper Boundary Pick

This was based on correlation to the nearby coal bore LY 138, located 40m to the north, as no circulation returns over this interval were recorded.

Lithology

Brown coal (23-46m), clay (46-50m), sand (50-65m), clay (65-73m), coal (73-76m), clay (76-81m), coal (81-91), clay (91-93m), sand and gravel (93-120m).

Gas and Shows No gas or shows were recorded.

Wireline Character

The gamma log run below 30m shows a low 20-40 API response with little character to match the correlated lithology log from the nearby coal bore.

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Drilling Characteristics

Drill rate in the 17 1/2" hole ranged from 3 to 15 min/m, averaging 6 min/m. The hole was drilled with fresh water. Due to lost circulation, the interval from 23 to 120m was drilled without circulation returns.

2.2.3 CARRAJUNG VOLCANICS

Interval 120-148m

Upper Boundary Pick

This was based on correlation to the nearby coal bore LY 138, located 40m to the north, as no circulation returns over this interval were recorded. At 136m circulation returns recommenced and tuffs with interbedded claystones were recovered confirming the presence of the Carrajung Volcanics. On the gamma log run in 9 5/8" casing there is no obvious change at 120m from the overlying Traralgon Formation.

Lithology

Tuffs below 136m comprised greenish black to blue green fine grained glass shards in a weathered clay matrix. Some fragments of fresher basalt and chert were present together with some dolomitic cemented fine grained sandstones.

Gas and Shows No gas or shows were recorded.

Wireline Character Gamma ray log values averaged 20 to 40 API in the weathered tuffs and claystones.

Drilling Characteristics

Drill rates ranged between 5 and 28 min/m, averaging 6 min/m in the interval from 120-130m, below which they slowed down to 28 min/m and higher from 130-137m. This may indicate the presence of weathered clays and tuffs at the top of the formation, becoming firmer basalt at around 130m. The returns at 138m suggest that further tuffs and clays underlie the basalt, together with cemented sandstone intervals.

2.2.4 STRZELECKI GROUP

Interval 148-1551m

Upper Boundary Pick

Top Strzelecki Group was picked on the appearance of quartzose-feldspathic claystones with interbedded siltstone in conjunction with a sharp increase on the gamma log to the Tertiary sediments and volcanics above.

LOY YANG 1A COMPLETION REPORT

Subdivisions

Because no formal subdivision of the Strzelecki Group has been made, the following Units 1-12 were considered to be appropriate lithological entities some of which are broadly correlatable to nearby wells. As such they could be considered as formations and members of the Strzelecki Group. Each is characterised by a dominant lithology or conjunction of lithologies as determined from wireline log characters and cuttings descriptions. One unit (Unit 9) was considered to be distinctly different and was therefore given a formation name, ie. the Wonthaggi Coal Measures.

2.2.4.1 Unit 1

Interval 148-225m

Upper Boundary Pick This is the same as for the top of the Strzelecki Group.

Lithology

This interval is dominated by light to medium grey claystones and interbedded light to light medium grey siltstone and minor sandstones. The siltstone are quartzose-feldspathic, argillaceous, with traces of mica and carbonaceous fragments. Some contain common subangular to subrounded lithic fragments. The claystones are carbonaceous in part. The siltstone and sandstones show no visible porosity.

Gas and Shows No gas or shows were recorded.

Wireline Character

Only the gamma ray log was run over this interval. Little character is shown with most readings between 40-45 API. The loss of character is probably due to the shielding effect of the 9 ⁵/₈" casing.

Drilling Characteristics

Drill rates ranged between 1-28 min/m with an average of 2 min/m with the mud weights of between 10 and 11 ppg.

2.2.4.2 Unit 2

Interval 225-478.

Upper Boundary Pick

This is picked by sharp 20 API decrease on the gamma ray log in conjunction with the appearance of a dominantly sandstone lithology in the cuttings.

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Lithology

This unit is dominated by sandstones from 225 to 335m and then interbedded sandstones, siltstone and claystones from 335 to 478m. The sandstones in the upper part are massive very light-medium grey to greenish grey, very fine grained grading to siltstone and comprise subangular quartzose-feldspathic grains with light to dark greenish grey lithics, common brown mica and rare carbonaceous flakes. An abundant argillaceous matrix in part chloritic and slightly calcareous is characteristic. No visible porosity was recorded.

The interbedded siltstone and claystones dominate the lower part of this interval. The sandstones-siltstone average 15-20m thick beds and comprise green-grey to brownish grey quartzose and minor feldspathic grains with carbonaceous fragments and brown mica and are slightly calcareous in part. The claystones are medium grey to greenish grey, subfissile to silty in part with carbonaceous matter and occur in beds averaging 5-10m thick.

Gas and shows

Background C1 gas between 20-100 ppm occurs over the intervals 238-295m and 332-363m. They correspond to the claystone intervals.

Wireline Character

The gamma log only is available over the interval 225-355m. This appears to be fairly smooth with readings between 40-50 API. Two shale beds occur at 235-240m and 269-277m where the gamma reads up to 60 API. Below the 9 5/8" casing the gamma sand line shifts right to 70 API and the shale line moves right to 80-100 API. This presumably reflects the mineralogy of the Strzelecki Group such as its contained mica etc, so that the gamma appears "hot". The resistivity logs generally tracked each other except in sandstones between 407-422 where the MSFL and the LL logs show some separation. Sandstones usually averaged 20 ohm-m and claystones 6 ohm-m. Sonic values averaged 75-80 us/f in sandstones and 90-100 us/f in claystones. The dipmeter shows scattered dips between 10-30° most of which are probably sedimentary.

Drilling Characteristics

Drill rates ranged between 3.5-20 min/m with an average of 10 min/m, with a mud weight of between 10 and 11.5 ppg.

2.2.4.3 Unit 3

Interval 478-642m.

Upper Boundary Pick

This interval is picked at the top of a dominantly sandstone interval and corresponds to a left shift on the gamma log to 60 API.

LOY YANG 1A COMPLETION REPORT

Lithology

Very fine sandstones grading to siltstone dominate this interval. Greenish grey and dark greenish grey to mottled brown in part, dominantly quartzose-feldspathic, with grey to green lithics, common carbonaceous material and an abundant argillaceous to calcareous matrix. No visible porosity was observed. Rare claystones (0-10%) are medium to dark grey and silty in part. An upper sandstone between 478-495m appears to be slightly cleaner than the main sandstone interval between 510-642m.

Gas and Shows

Scattered background C1 gas values were recorded over the interval 545-620 with a maximum peak of up to 100 ppm. No fluorescence was noted.

Wireline Character

Gamma values for the upper (478-495m) sandstone was slightly lower (60 API) than for the sandstones below. Claystone values were up to 120 API. Resistivity varied between 6-100 ohm-m with an overall drift to the right with depth, in conjunction with a leftwards drift on the SP log. Sonic values averaged around 80 us/f, with two dolomitic? spikes at 564 and 621m. Dips averaged at around 20° to the South.

Drilling Characteristics

Drill rates ranged between 3 and 11 min/m with an average of 7 min/m, with a mud weight of 10 ppg.

2.2.4.4 Unit 4

Interval 642-768m

Upper Boundary Pick

This interval is picked at the top of an interbedded claystone-siltstone interval readily separated from the sandstones of Unit 3 above. It corresponds with an increase in the gamma and a closer correspondence between the resistivity logs.

Lithology

The unit is comprised of three fining upwards cycles of which the upper two average 30m thick. The sandstones at the base of each cycle are similar to Unit 3 sandstones except for the addition of pale orange feldspar and red lithics. No porosity was detected. The claystones and siltstone were also similar to those in Unit 3, but are thicker and slightly more carbonaceous.

Gas and Shows

Background C1 gas peaks up to 100 ppm correspond to all the claystone intervals.

LOY YANG 1A COMPLETION REPORT

Wireline Character

The fining upwards cycling is characterised by the gamma log drift from 60 API at the sandier bases, to 130-140 API in the claystones at the top of each cycle. The resistivity logs show close correspondence with the claystones at 10 ohm-m and the sandstones at 30-100 ohm-m. Sonic values also reflect the cycling and range from 70 us/f at the cycle base to 90 us/f at the top. The density log suggests some thin coals occur at 645, 683 and 727m these mainly correspond to the top of each cycle. Dips are predominantly 20° to the South with scattered sedimentary dips in the sandstones.

Drilling Characteristics

Drill rates varied between 2.5 and 15 min/m with an average of 7 min/m. Some slow drilling was noted in cemented sandstones. Mud weight averaged 10.2 ppg.

2.2.4.5 Unit 5

Interval 768-828m

Upper Boundary Pick

This is picked at the top of a dominantly claystone interval that also corresponds to the appearance of significant coals in the section.

Lithology

The claystones are medium to dark grey and brownish grey with common to abundant carbonaceous material. Interbedding occurs in part with siltstone and rare sandstones similar to Units 3 and 4 above that contain dolomitic cement and are not porous. The coals are black to brownish black, brittle and vitreous in part and dull and argillaceous in part. The coals occur in thin 1m beds particularly towards the top of the unit.

Gas and Shows

Background C1 gas up to 110 ppm occurs throughout Unit 5 with the maximum values near the top where the coals are more abundant.

Wireline Character

The gamma mostly remains at around 100 API. The resistivity is also constant at 10 ohm-m, with the sonic at around 90 us/f. The density clearly distinguishes the coal beds near the top as spikes to the left. Dip remains at about 20-25° to the south

Drilling Characteristics

Drilling rates varied between 4 and 12 min/m with an average at 7 min/m.

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2.2.4.6 Unit 6

Interval 828-952m

Upper Boundary Pick

This occurs at a pronounced gamma log and lithology break between Unit 5 claystones above and the upper sand body of Unit 6.

Lithology

Unit 6 comprises two sand bodies separated by a claystone break between 847-865m. The sandstones are very fine grained, greenish grey becoming more light grey to olive grey with depth and comprise mainly quartzose-feldspathic grains with green to grey lithics and minor carbonaceous matter, rare brown mica and have an argillaceous to dolomitic matrix cement. No porosity was observed. The sandstones include minor interbedded siltstone and claystones. The claystones are medium to dark grey, sub-blocky to subfissile, silty in part, with minor carbonaceous material.

Gas and Shows

Background C1 gas up to 110 ppm occurs through most of the interval.

Wireline Character

Gamma logs show a slightly lower 60 API response in the upper sandstone than for the lower body that is around 65 API and has more silt-claystone breaks. The separating claystones show gamma response up to 120 API. The resistivity logs for the most part track each other, with sandstones averaging 30-40 ohm-m that is lower than for sandstones above this, but which typifies the sandstones throughout the rest of the Strzelecki Group. The claystones average 10 ohm-m. Sonic values are 65 us/f for sandstones and 80 us/f for claystones. Dips average 25° to the South.

Drilling Characteristics

Drilling rates varied between 4-15 min/m with an average rate of 6 min/m.

2.2.4.7 Unit 7

Interval 952-1023m

Upper Boundary Pick

This is picked by a sharp increase on the gamma log at the top of a dominantly claystone interval together with a marked increase in carbonaceous matter and coal in the lithology logs.

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Lithology

Dominantly claystones with lesser interbedded sand-siltstone and coals. The claystones are medium to dark brown grey becoming lighter with depth, are sub-blocky to subfissile, silty in part and contain carbonaceous matter. The coals occur as three main seams at 957m, 993 and 1017m. The seams could be over 1m thick. The coals are black, vitreous to dull, partly argillaceous and grade to carbonaceous siltstone. The sand-siltstone are medium-light grey and quartzose-feldspathic.

Gas and Shows

C1 coal peaks up to 6000 ppm are associated with the three main coals. Background C1 traces up to 100 ppm occur throughout the rest of Unit 7.

Wireline Character

The gamma logs the claystones at 90-120 API and the sand-siltstone at 65 API. The resistivity logs average 20 ohm-m and the sonic averages 70 us/f except opposite the three coal seams where it spikes left to 110-120 us/f. The density shows a similar response to the coals. Dips average 25° to the south.

Drilling Characteristics

Drilling rates varied between 4-15 min/m with an average of 7 min/m. Mud weights were around 9.9 ppg.

2.2.4.8 Unit 8

Interval 1023-1057m

Upper Boundary Pick

This boundary is picked at the top of a dominantly sandstone interval separating the claystone-coaly Units 7 and 9.

Lithology

The sandstones are medium to light grey, fine to very fine, quartzose-feldspathic, with traces of grey-green lithics, carbonaceous matter and rare brown mica. They are tight with an argillaceous to dolomitic matrix.

Gas and Shows

Low C1 background values occur throughout the interval up to 100 ppm.

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Wireline Character

The sandstones average 60 API throughout, with the resistivity at 20 ohm-m. The sonic is smooth at 70 us/f and dips are more scattered at 30-35° to the south reflecting a more sedimentary origin.

Drilling Characteristics

Drilling rates varied between 10-24 min/m and averaged 9 min/m.

2.2.4.9 Wonthaggi Coal Measures (Unit 9)

Interval 1057-1129m

Upper Boundary Pick

The boundary is picked by sharp gamma-resistivity-sonic shifts towards the claystone lithology, which accompanies the appearance of dominantly claystones and coal of the Wonthaggi Coal Measures.

Lithology

Dominantly carbonaceous claystones and interbedded coals. The claystones are medium to dark grey and brown, blocky to sub-blocky, rarely fissile, slightly calcareous to dolomitic, commonly carbonaceous and argillaceous in part. The coals occur as two main groupings between 1060-1073 and 1096-1124m. Each grouping comprises up to 4 or more seams of which the upper seam in each may be over 2-3m thick. The coal is dull black to vitreous, flaky to sub-blocky and moderately hard. Traces of gas were seen bubbling from the coal cuttings. Minor siltstones are interbedded in the Unit and are light grey to white with a kaolinitic? matrix and slightly calcareous, with no visible porosity.

Gas and Shows

C1 peaks up to 6000 ppm correspond with all the coal seams. Shows of C2 were recorded up to 300 ppm at 1113, 1117 and 1123m in the lower coal grouping. Minor cut fluorescence was obtained from washed and air-dried cuttings of carbonaceous lithologies producing a faint diffuse to moderate streaming yellow cut fluorescence and leave a thin ring to occasionally patchy thin film of moderate yellow white residue. Crush cut was moderately fast very pale diffuse with a similar residue. There is no direct fluorescence and no cut in the wet sample.

Wireline Character

The gamma log averages 80 API with slightly lower 60 API opposite the main coals and lesser siltstone. The resistivity shows markedly reduced 2 ohm-m over the upper coal interval but otherwise parallel tracks at between 10-20 ohm-m for the rest of the Unit interval. The sonic and density show distinct leftwards shifts at all

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the main coal horizons with the former reading down to 120 us/f. The dips remain fairly constant at around 25-30° to the south.

Drilling Characteristics

Drilling rates varied between 6-25 min/m with an average at 11 min/m.

2.2.4.10 Unit 10

Interval 1129-1238 m

Upper Boundary Pick

The boundary is placed at the gamma shift to the left that corresponds to the top of a series of four fining upwards cycles that characterise the Unit 10 interval. The boundary also corresponds to the appearance of sandstones in the cuttings log from the claystones and coals of Unit 9 above.

Lithology

Four fining upwards cycles are defined within Unit 10. They occur between 1129-1155m, 1155-1178m, 1178-1203m and 1203-1238m. The sandstones which dominate the cycles comprise medium to light grey to olive grey-white very fine to fine grained poor-moderate sorted quartzose-feldspathic grains, with abundant light to dark green grey lithics, rare brown mica and a calcareous-dolomitic cement. No visible porosity was seen. The sandstones grade up into siltstone of similar composition and then into claystones of medium to brownish grey colour, silty in part, with interbedded carbonaceous claystones. Traces of coal occur within the claystones particularly associated near the top of each cycle. The coal is vitreous to dull, in places woody and argillaceous in part.

Gas and Shows

Background C1 gas occurs throughout the interval up to 100 ppm. Maximum peaks are associated with coals near the top of each cycle. One C2 show up to 20 ppm occurs at 1152m. Similar minor cut fluorescence was obtained from samples of the more carbonaceous claystones as for the Wonthaggi Coal Measures above.

Wireline Character

Gamma response varies from 55-60 API at the base of each sandstone cycle and then grades up to maximum 120 API in the claystones at the cycle top. Resistivities closely parallel throughout the interval, varying from 100 ohm-m for the sandstones to 10 ohm-m for the claystones. Sonic response averages around 70 us/f for the sandstones-siltstone to 80-90 us/f for the claystones. The off-scale sonic readings between 1197-1203m are probably instrumental. The density shows leftwards spiking for the main coaly intervals and the dips average 20-40° to the south, with a greater scatter of sedimentary dip for the main sandstones.

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Drilling Characteristics

Drilling rates varied between 5-27 min/m with an average of 10 min/m. Mud weights were around 10 ppg.

2.2.4.11 Unit 11

Interval 1238-1399m

Upper Boundary Pick

The top of this Unit is picked where a distinct claystone sequence appears on the gamma and cuttings logs which persists down to the top siltstone-sandstones and accompanying dipmeter changes at the top of the Wonthaggi Subgroup (Unit 12). It also corresponds to a disjointed dipmeter log at this depth and as such may represent an unconformity or fault in the sequence.

Lithology

The Unit is dominated by interbedded siltstone and claystones with minor sandstones of which the thicker ones occur between 1317-1326m, 1352-1354m, 1374-1379m. The claystones are light-medium grey to greenish grey, moderately hard, sub-blocky to fissile, slightly dolomitic to calcareous, with minor carbonaceous material. The siltstone are medium grey to brownish grey, moderately hard, quartzose-feldspathic, argillaceous, with traces of carbonaceous material. There is no visible porosity. They contain traces of orange-brown non-carbonate vein material (anhydrite?) and traces of white calcite veining. Traces of pin point yellow cut and moderately yellow residue, but no direct fluorescence were obtained in the claystones. The sandstones comprise medium olive grey to brownish grey very fine to fine grained moderately hard grains of quartzose-feldspathic composition, together with grey lithic fragments and traces of carbonaceous grains in a kaolinitic-calcareous-dolomitic matrix. The sandstones exhibit no visible porosity. Traces of yellow pin point cut fluorescence with traces to thin ring yellow white residue fluorescence occurred between 1359-1493m but no direct fluorescence was observed.

Gas and Shows

Background C1 gas to 30 ppm occurs throughout the unit. Traces of yellow pin point cut fluorescence with traces to thin ring yellow white residue fluorescence occurred in some of the sandstones and siltstone between 1359-1399m. No direct fluorescence was observed in any of these intervals.

Wireline Character

The gamma log shows most of the claystones to be at 100 API, with sandstones and siltstone at 60 API. The resistivity log mostly tracks together. The sonic averages 70 us/f with some digressions to the left in thin coaly beds. The density also shows thin coaly spikes with the most prominent at 1345m, that correspond to coal in the cuttings log. Dips are typically 20-30° to the south.

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Drilling Characteristics

Drilling rates varied between 4-24 min/m, with an average of 15 min/m. Mud weight averaged 10 ppg.

2.2.4.12 Wonthaggi Subgroup (Unit 12)

Interval 1399-1551m.

Upper Boundary Pick

Top of the Wonthaggi Subgroup is placed at the marked change on the dipmeter log where persistent SSE dips in the units above change to the more scattered SSW to SSE dips of this subgroup. This was also accompanied by the appearance of trace fluorescence in the top sandstone.

Lithology

The Wonthaggi Subgroup is dominated by siltstone, sandstones and claystones. The thicker sandstones occur at the top between 1399-1417m, 1473-1477m and 1505-1517m. The sandstones comprise medium olive grey to brownish grey very fine grained to fine grained moderately hard grains of quartzose-feldspathic composition, together with grey lithic fragments and traces of carbonaceous grains in a kaolinitic-calcareous matrix. The sandstones exhibit no obvious porosity. Traces of dull yellow patchy fluorescence with a very slow streaming cut and a yellow white thin film were read between 1399-1402m and at 1484m. The siltstone are medium grey to brownish grey, moderately hard, quartzose-feldspathic, argillaceous, with traces of carbonaceous material and no visible porosity. The siltstones contain traces of orange-brown non-carbonate vein material (anhydrite?) and traces of white calcite veining. The claystones are light-medium grey to greenish-grey, moderately hard, sub-blocky to fissile, slightly dolomitic to calcareous, with minor carbonaceous matter. Thin coals occur throughout the unit with distinct seam development at 1424m, 1427m and 1529m. C1 gas peaks were associated with some of these coals.

Gas and Shows

Background C1 gas to 30 ppm occurs throughout the Wonthaggi Subgroup. C2 was associated with a 500 ppm C1 peak at 1529m. Traces of dull yellow patchy with a very faint slow streaming cut and yellow white thin film occurred between 1399-1402m. Other traces of very faint cut to faint yellow streaming cut occur at 1438m, 1451m and 1482m. No direct fluorescence was observed in these latter intervals.

Wireline Character

The gamma log shows most of the claystones to be at 100 API, with sandstones and siltstone at 60 API. The resistivity log mostly tracks together except in the sandstone between 1505-1508m. The sonic averages 70 us/f with digressions to the left in thin coaly beds. The density also shows thin coaly spikes, with the most

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prominent at 1424m, 1427m and 1529m, which corresponds to coal in the cuttings log. Dips are scattered to the SSE-SSW and average between 20-30°. They are increasingly scattered, registering sedimentary dip in many cases, indicating interbedding between siltstone, sandstones and claystones. An unconformity is postulated to occur between the Wonthaggi Subgroup and the units of the Strzelecki Group above.

Drilling Characteristics

Drilling rates varied between 5-25 min/m, with an average of 16 min/m. Mud weight averaged 10 ppg.

2.2.5 RINTOULS CREEK SANDSTONE

Interval 1551-1676m.

Upper Boundary Pick

Top of the Rintouls Creek Sandstone is taken at the clear gamma shift and appearance in the cuttings of sandstones from the dominant claystones of Unit 11 above. It also corresponds to an SP shift to the right indicating a change in the formation salinities to the Strzelecki Group above.

Lithology

The formation is dominantly a sandstone lithology, comprising a coarsening upward cycle between 1551-1610m, overlying a fining upward cycle between 1610-1643m and a second fining upward cycle between 1643-1676m. The base of the formation appears to be transitional into the Tyers Conglomerate below. The sandstones are light olive grey to greenish grey, moderately hard, very fine to fine grained-possibly a little coarser than the Strzelecki Group sandstones above. The sandstones are comprised of angular to sub-rounded quartz, feldspar, grey to brown lithics, rare brown mica, traces of pyrite, carbonaceous grains, with a minor argillaceous (kaolinitic?), calcareous to siliceous matrix. There is no visible porosity. Near the base of the formation the sandstones become conglomeratic, fine to medium grained, poorly sorted and increasingly quartzose consisting of sub-angular to sub-rounded quartz, feldspar, grey to brown lithics, brown mica, in part with a siliceous to calcareous matrix. Occasional accompanying fragments of indurated sediments and milky quartz from pebble sized lithics were also recorded. At the top of the formation, 20% very dull yellow pin point fluorescence, traces of cut and traces of patchy thin film yellow white residue were detected from 1552-1558m. Siltstone in the Rintouls Creek Formation were medium to dark grey, quartzose-feldspathic, with an argillaceous matrix. The claystones are brownish grey, moderately hard, sub-blocky, silty and carbonaceous.

Gas and Shows

Background C1 gas up to 90 ppm occurs throughout the formation. Fluorescence between 1552-1558m comprised 20% very dull yellow pin point fluorescence, traces of cut and traces of patchy thin film with a yellow white residue. A computer processed interpretation (Appendix 5) suggests a small increase in hydrocarbon content is visible between 1547-1552m

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with some permeability indicated. This is considered consistent with residual hydrocarbons and that no production is likely from this interval.

Wireline Character

The gamma log shows the sandstones to register 60-80 API with the claystones at 100-120 API. The resistivity curves for the most part tracked together and averaged 20-100 ohm-m for the sandstones and 20-30 ohm-m in the claystones. The sonic records around 60-65 us/f through most of the interval. This is slightly higher than for most of the Strzelecki Group above. The dipmeter tends to register only scattered patterns of sedimentary dip with most readings between 0-20° to the south.

Drilling Characteristics

Drilling rates varied between 8-40 min/m with an average of 17 min/m. Mud weight was 9.9 ppg.

2.2.6 TYERS CONGLOMERATE

Interval 1676-1736m.

Upper Boundary Pick

This was picked at an increase in the gamma log in conjunction with the appearance of a significant percentage of conglomeratic material in the cuttings, although the contact with the Rintouls Creek Sandstone above may be transitional.

Lithology

This formation comprises an upper interbedded conglomerate and siltstone interval from 1676-1700m, overlying a siltstone and claystone interval between 1700-1717m and then a sandstone to conglomeratic interval from 1717-1736m TD. The conglomerates comprise light to medium grey fragments of hard argillites and siltites (pebbles-boulders?) supported in an up to 50% matrix of siliceous cemented sandstone, with interbeds of brownish grey quartzose-feldspathic and argillaceous siltstone. Carbonaceous grains and flecks were also common. The claystones between 1700-1717m are medium light grey to medium dark grey, moderately hard and silty in part. In this interval the interbedded sandstones are hard, dominantly siliceous quartz, with a siliceous to calcareous matrix. Traces of brittle dull to vitreous coal are also present. Below 1717m the sandstones predominate, becoming increasingly conglomeratic with depth, light olive grey to olive grey, very fine to fine grained and poorly sorted. The sandstones comprise sub-angular quartz, white feldspar and light to dark grey lithics, rare brown mica and common silica cement, with rarer calcareous cement. The sandstones include increasing amounts of fine to medium grained poorly sorted quartz, feldspar, grey to green grey lithics and traces of light to medium grey indurated lithic fragments. There is no visible porosity.

Gas and Shows

Background C1 gas values up to 120 ppm were recorded sporadically through this formation interval. No shows were seen.

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Wireline Character

The gamma log is dominantly over 100 API, with a kick at 1724-1715m. The resistivity log recorded only the upper 24m of this formation with only the LLD between 15-80 ohm-m. The SP is slightly lower than for the Rintouls Creek Sandstone above. The dipmeter expresses dips between 10-30° to the south.

Drilling Characteristics

Drilling rates varied between 6-33 min/m with an average of 18 min/m. The mud weight was 9.9 ppg.

2.3 HOLE PROBLEM DISCUSSION

Lost circulation was experienced in both Loy Yang-1 and Loy Yang-1A near the top of the Latrobe Valley Group and was not restored until this section was cased off. De-watering of the Tertiary sandstones in the adjacent brown coal open pit for open cut stability has meant that these sandstones up-dip, on the crest of the Loy Yang Dome, are largely de-pressurised and in some cases de-watered. This led to the circulation losses both into the sandstones and into open joints in the thick coal seams. Further down, expanding clays in the Carrajung Volcanics caused contractions to occur in the uncased hole, which lead to several occasions where the bit and/or stabilisers became jammed when pulling out. Some 50m of the upper part of the Strzelecki Group is technically described as being weathered in SEC engineering bores around the power station site. This may have led to some of the jamming situations in this early part of the well at both locations. The weathering has caused the upper beds of the Strzelecki Group to be more highly fractured and more unstable around the hole. Casing to 354.5m eventually sealed off this difficult part of the hole and drilling proceeded relatively formation-problem free for the rest of the well. The effective limit to the well was finally determined by rig mechanical problems.

2.4 CUTTINGS SAMPLES

6 sets of cuttings samples were taken as follows:

| Sample Type | Sample Wt. | Packaged in | Sample Frequency / Interval | Recipient |
|--------------|------------|-------------------|--|---------------------------------|
| Unwashed | 250 g | Calico bags | 3m samples 20-1736m (LY-1A)-except in lost circ. zone. | Capital Energy |
| Washed-dried | 100 g | Plastic envelopes | as above | Capital Energy Tyers Petrol. |
| Washed-dried | 100 g | Samplex trays | as above | Capital Energy |
| Washed-dried | 250 g | Calico bags | as above | DEM (Vic.) Capital Energy |

2.5 CONVENTIONAL CORES

No conventional cores were cut.

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2.6 SIDEWALL CORES

No sidewall cores were taken

2.7 SHOWS

| | | | | | | | | |
|---------------------------|--|--------|-----------|--------|---------|---------|---------|---------|
| Gross Interval | 1399-1402 m RT and 1552-1558 m RT | | | | | | | |
| Net Show Thickness | Approximately 3 and 6 metres respectively. | | | | | | | |
| Age | Hauterivian-Valanginian | | | | | | | |
| Lithology | Sandstone: Very fine to dominantly fine grained, angular to sub-rounded quartz, feldspar, grey and brown lithic grains, rare brown mica, trace of carbonaceous grains, minor argillaceous (kaolinitic?) matrix, in part with brown dispersed organic? material, common calcareous and siliceous cement. No visible porosity. | | | | | | | |
| Fluorescence | Fluorescence of 20% very dull yellow pin point fluorescence, trace cut, trace to patchy thin film of a yellow white residue, very faint slow streaming cut. | | | | | | | |
| Gas Data | TG % | C1 ppm | C2 ppm | C3 ppm | iC4 ppm | nC4 ppm | iC5 ppm | nC5 ppm |
| Depth (m) | | | | | | | | |
| 1399-1402m | tr | 10-70 | | | | | | |
| 1552-1558m | tr | 10-20 | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Gas Ratios | | | | | | | | |
| Show Rating | Gas: Poor | | Oil: Poor | | | | | |
| Remarks | Highest gas readings in the well recorded at 1113m RT. Background gas trace, gradually increasing to maximum 6000 ppm at 1113m. Mud weight 10.2 ppg. | | | | | | | |

| Loy Yang-1A | | |
|-------------|-------------------------|-----------------|
| Interval m | Gas PeakTG / GB (units) | Mud Weight(ppg) |
| 957 | 15 | 9.9 |
| 998 | 35 | 9.9 |
| 1019 | 10 | 9.9 |
| 1063 | 15 | 10 |
| 1068 | 18 | 10 |
| 1073 | 20 | 10 |
| 1097 | 15 | 10 |
| 1113 | 35 | 10.2 |
| 1117 | 9 | 10.2 |
| 1123 | 29 | 10.2 |
| 1187 | 5 | 10 |
| 1529 | 2 | 9.9 |

TG = Total Gas, GB = Background Gas

LOY YANG 1A COMPLETION REPORT

2.7.1 GAS RATIOS

| INTERVAL m RT | TG units | C1 ppm | C2 ppm | C3 ppm | iC4 ppm | nC4 ppm | C5 ppm | GWR | LHR | OCQ |
|------------------|-------------|-----------|-----------|-----------|------------|------------|-----------|-----|-----|-----|
| 957 | 15 | 3000 | | | | | | | | |
| 998 | 35 | 6000 | | | | | | | | |
| 1019 | 10 | 2000 | | | | | | | | |
| 1063 | 15 | 3000 | | | | | | | | |
| 1068 | 18 | 3000 | 10 | | | | | 10 | | |
| 1073 | 20 | 4000 | | | | | | | | |
| 1097 | 15 | 2500 | | | | | | | | |
| 1113 | 35 | 6000 | 60 | | | | | 60 | | |
| 1117 | 9 | 1600 | 300 | | | | | 300 | | |
| 1123 | 29 | 6000 | 40 | | | | | 40 | | |
| 1187 | 5 | 600 | | | | | | | | |
| 1529 | 2 | 500 | | | | | | | | |

TG = Total Gas, GWR = Gas Wetness Ratio, LHR = Light to Heavy Ratio,
OCQ = Oil Character Qualifier.

2.8 TEMPERATURE

The maximum recorded temperature at 1734.5m RT was 80°C, (176 °F), 16.5 hours after the cessation of circulation.

2.9 WIRELINE LOGS

Two logging runs were carried out at Loy Yang-1A when the well reached 1700m and at 1736m. The first logging run was the basic suite of DLL-MSFL-SONIC-GR-SP. A second logging run was carried out when the well reached 1736m TD and included the LDL-CNL-GR suite and the dipmeter.

| Run - | Logs | From m | To m | Hole Size (ins) | Date | Remarks |
|-------|----------------------|--------|--------|-----------------|----------|--|
| 1 | DLL-MSFL-SONIC-GR-SP | 30 | 1699.5 | 8 1/2 | 9/12/94 | Gamma Ray logged from 30m. Rest from 354m. |
| 1 | LDL-CNL-GR | 354 | 1735 | 8 1/2 | 11/12/94 | |
| 2 | SHDT-GR-CYB | 354.5 | 1734.5 | | | |

2.10 FORMATION TESTS

No RFT or Drillstem Tests were performed.

LOY YANG 1A COMPLETION REPORT

2.11 CONCLUSIONS

The Loy Yang-1A well drilled through 148m of Tertiary sediments and 1403m of Strzelecki Group to reach the primary Rintouls Creek Sandstone objective at 1551m. This objective is 125m thick. The Rintouls Creek Sandstone is tight with no visible porosity although a small oil show over the top interval from 1552-1558m indicated some minor free hydrocarbons were present. The basal Tyers Conglomerate was reached at 1676m and some 60m had been penetrated when drilling was terminated at 1736m. The secondary objective of drilling to intersection of basement (provided at less than 2000m depth) was not achieved.

Hydrocarbon source rich rocks were encountered in the Strzelecki Group and in particular the coals and carbonaceous claystones of the Wonthaggi Coal Measures between 1057-1129.9m, and coaly sediments stratigraphically deeper than this formation. All such coaly source rocks were associated with peaks of C1 (up to 0.6%) and in certain cases C2 (up to 0.3%).

A pronounced unconformity, recognised on the dipmeter log in the Strzelecki Group, occurs at 1399m. This depth appears to correspond to a Barremian-Hauterivian palaeontological break similar to that recorded within the Otway Group in the Otway Basin.

A modern suite of wireline logs were run and provided a means of more accurately assessing the results of nearby earlier petroleum wells drilled through the upper parts of the Strzelecki Group, as well as Loy Yang 1A.

Loy Yang 1A was the first modern well to drill within the confines of PEP 124. It was also the first well to obtain definitive stratigraphic information concerning the lower parts of the Strzelecki Group, to reach the Rintouls Creek Sandstone and the Tyers Conglomerate in the onshore Gippsland Basin. The well therefore provides key stratigraphic information for these intervals that have been the subject of speculation and discussion since the 1960's when the earlier wells in the area were drilled, but failed to reach these stratigraphic levels. A suite of 9 palynological samples were obtained that adequately date the Strzelecki Group succession in the well.

Future prospectivity of the basal Strzelecki Group warrants further study although reservoir quality remains equivocal. The relatively steep dips in the well suggest that the gravity methods used to site the well on the "crest" of the Loy Yang Dome, despite only a 2% error in drilling depth to the target zones, do not provide an accurate map of the form of the structure at depth. If the structure is faulted at depth as the dips tend to suggest, then recourse to improved seismic methods and imaging would be required before any future drilling of such structures should be undertaken.

LOY YANG 1A COMPLETION REPORT

3. DRILLING AND ENGINEERING

3.1 LOY YANG-1

Loy Yang-1 was spudded on October 7 1994. Returns were lost at 38m. Lost circulation material (LCM) pills were pumped down hole but failed to regain circulation. Drilling proceeded without circulation using HI-VIS pills. The nozzle size was changed because of plugging. Drilling continued to 217m with continuous tight hole and cavings. The 9⁵/₈" casing was run to 196m, an attempt to set the casing deeper failed. The casing was spaced out and cemented at 181.75m. In addition, 120 sacks of cement were pumped down the 9⁵/₈" x 13³/₈" annulus. Whilst waiting on cement an additional 353 sacks of cement were pumped down the annulus. After nipping up the blow out preventer (BOP) a further 143 sacks of cement were pumped down the annulus.

After drilling out cement, float collar and shoe an attempt to wash to 217m failed, due to nozzle plugging. The nozzles were changed and a further attempt to wash past 200m failed. The open hole section was unstable and continuously caved in. Three open hole cement plugs were set to stabilise the well bore. After drilling out the cement the hole continued to heave, creating pack-offs and stuck pipe. The mud weight was increased to 9.2 ppg and 4% KCl added. Drilling resumed to 243m where a pack-off caused the pipe to stick, five singles had to be pumped out. The mud system was then converted to a full 9.2 ppg PHPA/KCl system.

Drilling continued to 252m where the pipe stuck whilst taking a deviation survey. Pipelax pills were spotted. A free point indicator was run and the drill pipe backed off. A bumper sub was run and the drill string screwed back into the fish at 236m. Jarring failed to free the drill string. A second successful back off was made at 236m. Drill pipe was run into the hole open ended and three cement plugs set. Top of the cement was tagged at 164m.

The cement was dressed to 188m and a dyna drill with kick-off assembly run. While drilling a sidetrack to 203m the hole was continuously caved in and packed off. A further set of cement plugs were set. The kick off assembly run and side tracking again attempted. A decision to cease operations was taken and Loy Yang-1 was plugged and abandoned on 21 October.

3.2 LOY YANG-1A, PRE-SPUD and CONDUCTOR

RWC Rig-4 was released on October 21 1994, at 0900 hrs from Loy Yang-1. Whilst building a new location for Loy Yang-1A, the rig was overhauled and repaired

Conductor pipe was set at 17m.

3.3 LOY YANG-1A, SPUD AND 17¹/₂" OPEN HOLE SECTION

Loy Yang-1A spudded at 1600 hrs on the 30 October. While drilling 17¹/₂" (432 mm) hole at 26m, total lost circulation occurred. Cement plugs were utilised in attempts to seal of the lost circulation zones and drilling progressed slowly to 33m. Eight separate variously sized cement plugs utilising from 100 to 300 sacks of cement were set. A window was also cut in the 20" conductor and ready mix cement utilised unsuccessfully to seal of the zones of lost circulation.

Drilling without circulation to progressed 126m. The hole was tight, several wiper trips were made and weighted HI-VIS pills spotted on bottom.

LOY YANG 1A COMPLETION REPORT

The first attempt to run 13³/₈" casing was unable to pass 21m. Two 14³/₄" stabilisers were added to the drill string at 10m and 20m. After reaming, 10 joints of 13³/₈" casing were run to 116m and cemented with the casing shoe at 114.6m.

3.4 LOY YANG-1A, 12¹/₄" OPEN HOLE SECTION (311 mm)

After setting casing, 12¹/₄" (311 mm) open hole was drilled from 126m to 153m. The nozzles plugged and a float was installed in the drill string. Drilling resumed and at 162m while making a connection, the drill string became stuck. Unable to free the pipe, a mechanical back-off was made and drilling jars added to the drill string. Mechanical problems with the rotary table and hydraulic system hampered attempts to free the drill string. A decision to attempt wash over techniques to free the string was made. After several attempts, the string was backed off. A wash over was attempted to the top of the stabiliser. Because of increased volumes of cuttings during the wash-over the mud weight was increased to 10.0 ppg

After the wash over reached the stabiliser, the drill string was screwed into the fish and the pipe jarred. An attempt to re-establish circulation was unsuccessful. The drill string was then backed off below the stabiliser and the stabiliser retrieved. Wash over pipe was then run to the bit. The drill string and a spiral grapple were used to retrieve the fish. The first attempt failed and the grapple was left in the hole. A second grapple with a larger diameter skirt was run, circulation established and all the fish recovered.

Prior to drilling ahead, a cement plug was set to seal off the lost circulation zone. The hydraulic system and other items were repaired. Drilling resumed, but tight hole, stuck pipe and increased cuttings volumes made it necessary to continue increasing mud weight to stabilise the hole. An 11.3 ppg mud was maintained to casing depth at 362.6m. Wiper trips were made, a HI-VIS pills spotted, 9⁵/₈" casing run and cemented to 354.5m.

3.5 8¹/₂" OPEN HOLE SECTION

After installing the BOP's, a cement stringer was run in between the 9⁵/₈" and 13³/₈" casing and cemented to surface.

Rig repairs were undertaken prior to resuming drilling. The float collar, shoe and cement were drilled out. New formation was drilled and a formation integrity test performed to an effective mud weight of 17.4 ppg.

Using a reduced mud weight of 10.1 to 10.2 ppg, an 8¹/₂" (212 mm) hole was drilled with regular surveys to 1700m. Some minor mud losses to the formation were noted while drilling. At 1700m the hole was logged and the results evaluated.

After logging, the drilling programme was revised to deepen to basement. Drilling was recommenced and the well deepened to 1735.8m TD. Mechanical problems prevented further progress. Final logs were run and the well was plugged and abandoned.

The rig was released at 1900 hrs on 13 December 1994.

Figure 7 is a drilling parameters summary. Figure 8 summarises the drilling fluids utilised.

3.6 TESTING

Not performed on this well.

3.7 CORING

Not performed on this well.

3.8 CEMENTING

The cement plugs set to stabilise lost circulation zones were all similar, varying only in the amount of cement used. The cement plugs contained 2-3% CaCl_2 lost circulation materials such as mica, sawdust, shredded paper. The cement slurry was 15.6 ppg. The 4.6 m³ of Ready mix cement used in the lost circulation zone at 26m had 2% accelerator added. Figure 9 summarises the cementing and casing reports.

3.9 CEMENT PLUGS

Plug and abandonment plugs were set as follows:

Plug-1 @ 1560m using 66 sacks of class "A" cement neat.

Plug-2 @ 1008m using 56 sacks of class "A" cement neat.

Plug-3 @ 377m using 85 sacks of class "A" cement neat with 2% CaCl_2 .

After the bradenhead was removed, 20 sacks class "A" cement was used to seal the top of the well and a sign installed.

3.10 HOLE PROBLEMS

The lost circulation experienced while drilling the upper hole sections could have been to shallow sandstone aquifer's.

Lost circulation between 197-237m may have been a result of the tight hole conditions and the mechanical action's required to free the drill string. Very slow mud losses after drilling resumed support this hypothesis.

Tight hole and cavings were alleviated by increasing mud weight to 11.3 ppg. Tight hole problems were compounded by poor down hole hydraulics and insufficient pump capacities. Another factor contributing to the tight hole was the mechanical action of the drill pipe against the well bore.

Tight hole experienced while drilling the 8^{1/2}" section was minimal and the mud weight allowed to drift downward naturally. The minor tight hole problems can probably be attributed to hole deviation.

3.11 LOST TIME

Considerable time was lost while the rig was repaired. This lost time compounded the down hole problems experienced. Mechanical problems with the rig rotary drive table and fluid

LOY YANG 1A COMPLETION REPORT

hydraulics together with extremely cold wet and windy conditions contributed to the drilling problems experienced and lost time.

3.12 SURVEYS

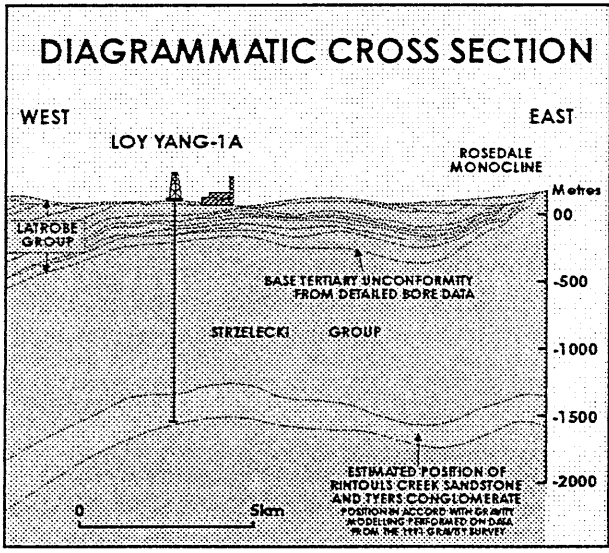
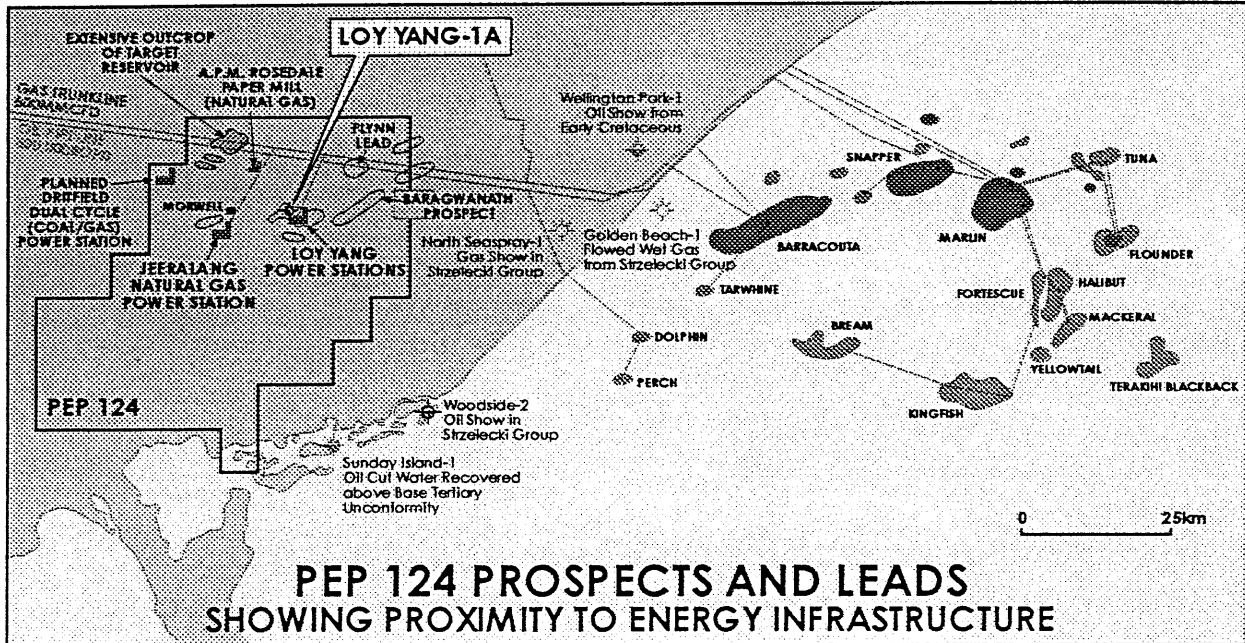
Following deviation surveys were measured whilst drilling.

| Depth (m) | Deviation (Degree) |
|-----------|--------------------------|
| 33 | 1 |
| 95 | 0 |
| 353 | Misrun |
| 356 | 1 |
| 458 | 1/2 |
| 1062 | 5 |
| 1151 | 5 |
| 1354 | 7 |
| 1484 | 8 + Extent of Instrument |

3.13 SUMMARY

Figure 10 is a drilling summary diagram.

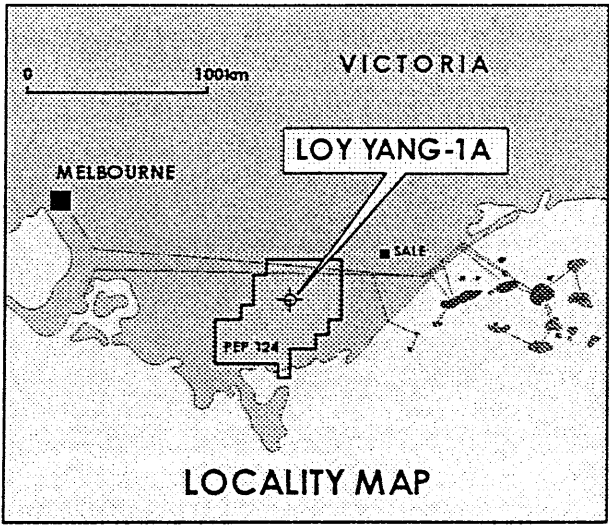
FIGURES



LOI YANG-1A WELL SUMMARY

WELL CLASSIFICATION: WILDCAT
 STATUS: PLUGGED & ABANDONED WITH MINOR OIL SHOWS ON 13/12/94
 DATE SPUDDED: 30/10/94
 LOCATION: 38°15'13"S 146°33'31"E
 GROUND ELEVATION: 97.2m
 TOTAL DEPTH: 1736m

OBJECTIVES: BASAL CRETACEOUS RINTOULS CREEK SANDSTONE/TYRES CONGLOMERATE
COMMENTS: DRILLED A LARGE STRUCTURE MAPPED AT NEAR SURFACE LEVELS. CLOSURE AT DEPTH WAS PREDICTED BY GRAVITY MODELLING. OBJECTIVE SANDSTONES IN BASAL CRETACEOUS WERE INTERSECTED CLOSE TO PROGNOSIS AT 1551m WITH RESIDUAL SHOWS OF OIL IN THE UPPERMOST 6m OF POOR TO FAIR QUALITY SAND. MODERATE TO GOOD QUALITY SOURCE ROCKS WITH GAS SHOWS UP TO 35 UNITS IN WONTHAGGI COAL MEASURES. THE WELL IS DEEMED DOWN FLANK ON A LARGE BUT MOST LIKELY FAULTED STRUCTURE.



**WELL SUMMARY
LOI YANG - 1A**
 PEP 124
 ONSHORE GIPPSLAND BASIN
CAPITAL ENERGY N.L. 76.7%*
 *(Pending formal assignment)



J.B. FEBRUARY 1995
 CAPITAL/755/LOIYANG.PHD/16-06-94/JM
 REVISED: DSK/95-049/LOIYANG.PHD, 27/3/95, KG

FIGURE 1

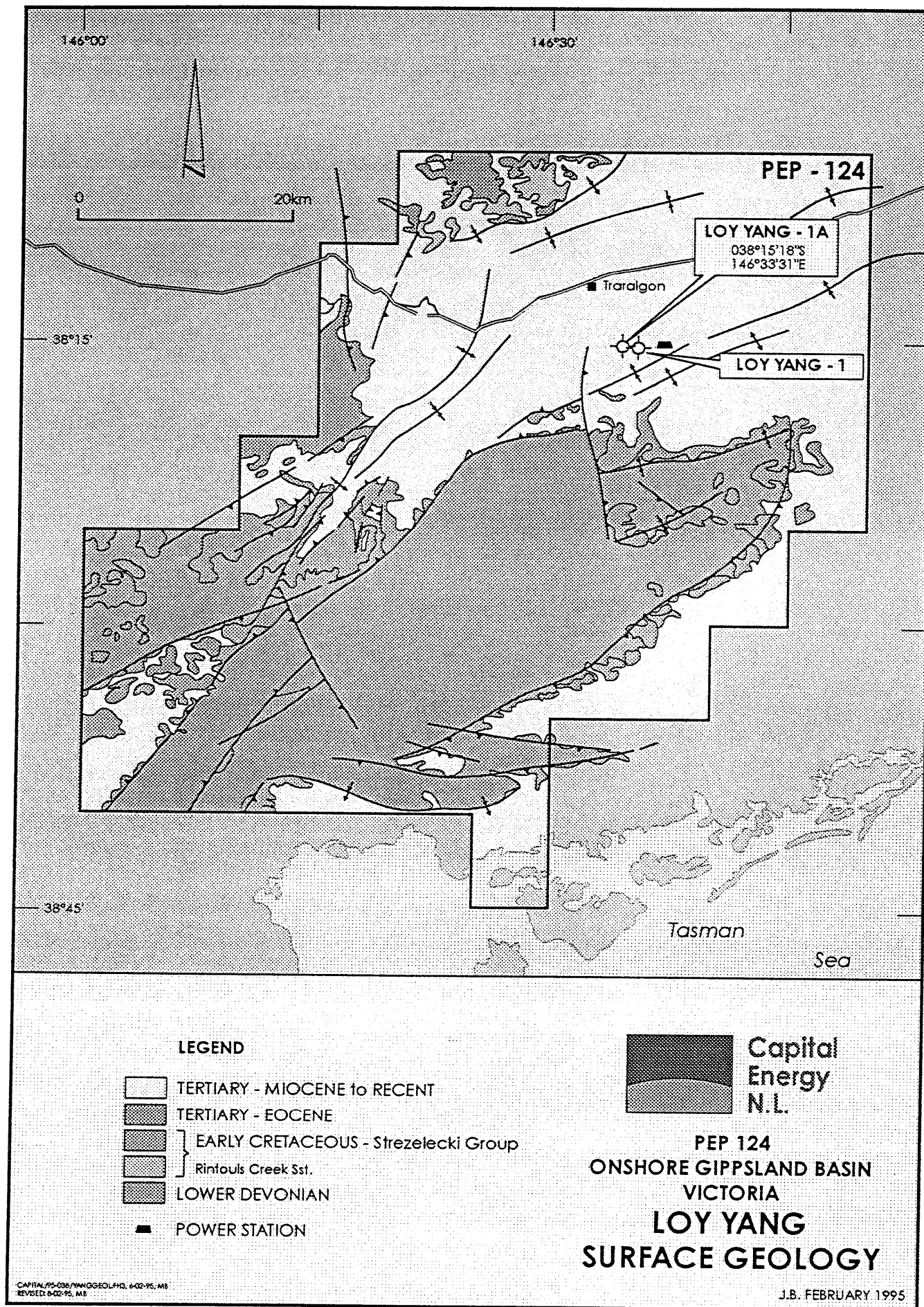


FIGURE 2

COMPARISON OF STRUCTURAL MAPPING LOY YANG AREA PEP - 124

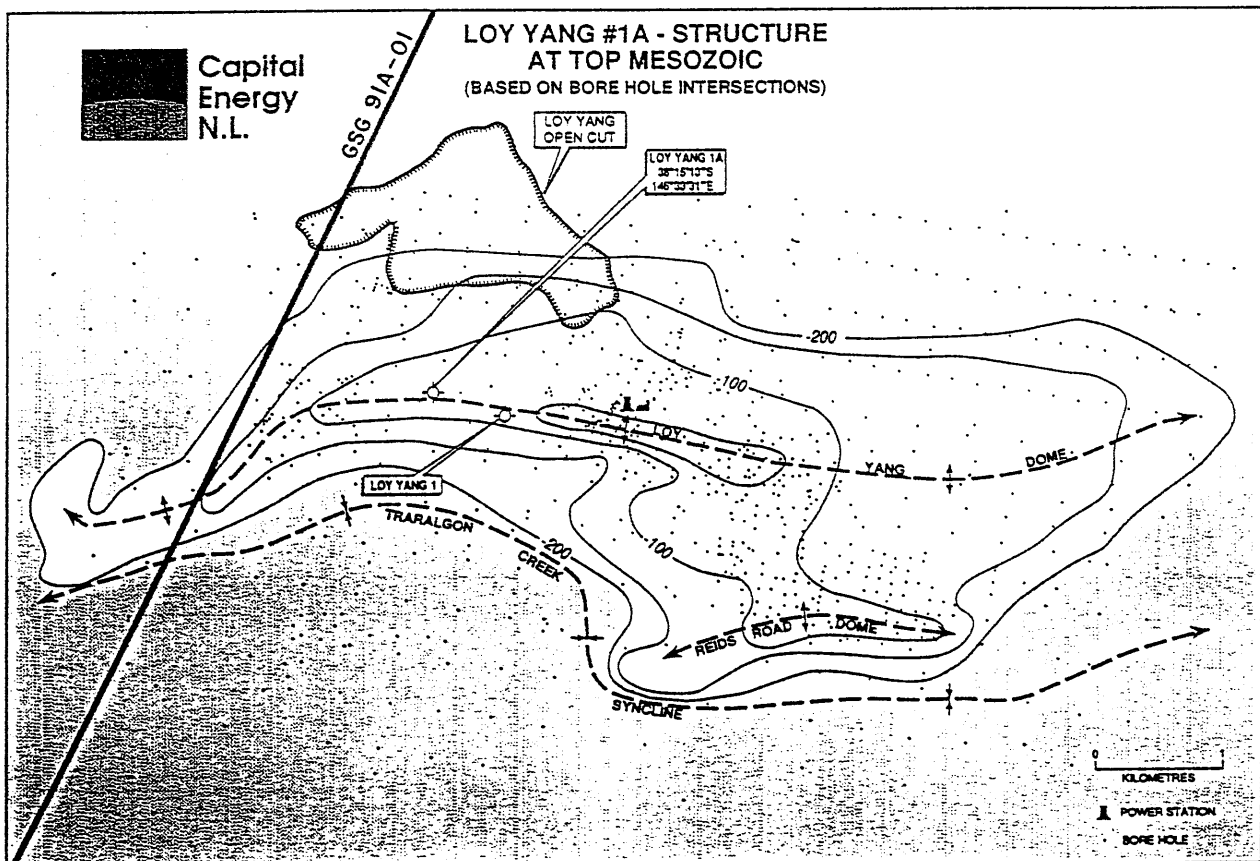
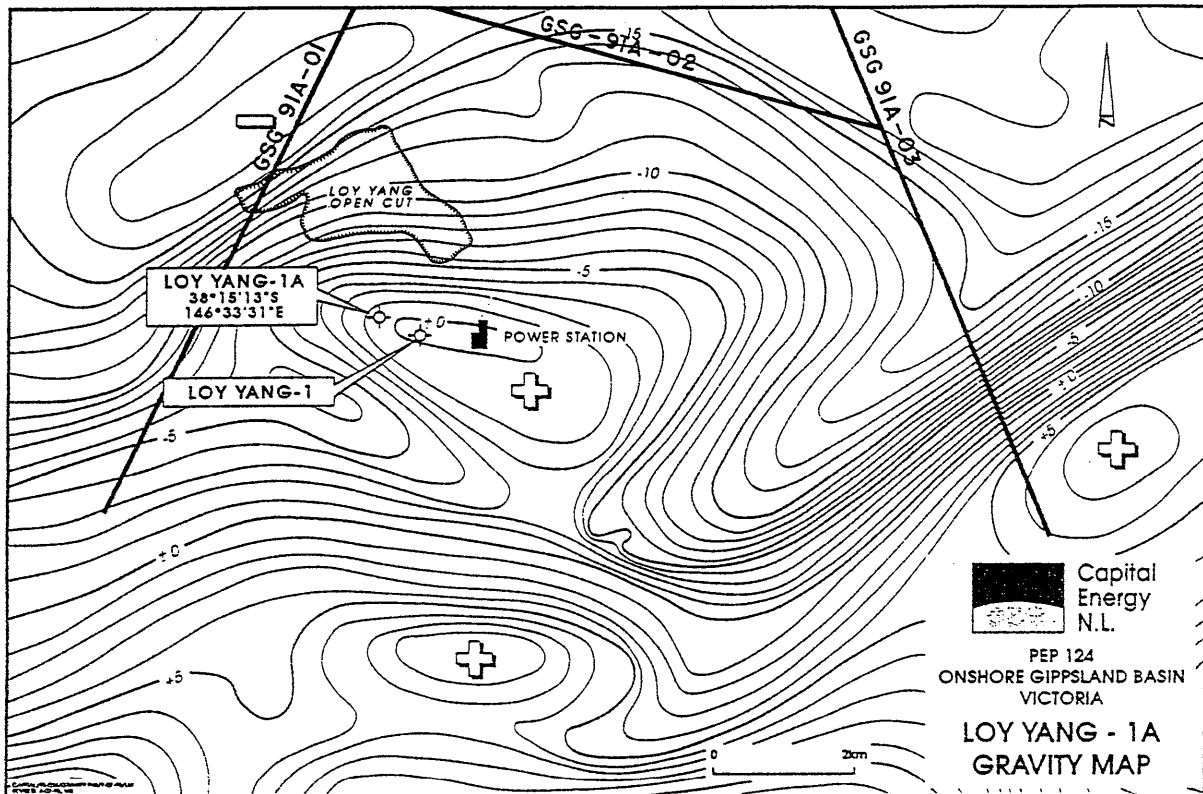


FIGURE 3

PE906171

This is an enclosure indicator page.
The enclosure PE906171 is enclosed within the
container PE905273 at this location in this
document.

The enclosure PE906171 has the following characteristics:

- ITEM_BARCODE = PE906171
- CONTAINER_BARCODE = PE905273
 - NAME = Hydrocarbon Shows Plan
 - BASIN = GIPPSLAND
 - PERMIT = PEP124
 - TYPE = GENERAL
 - SUBTYPE = PROSPECT_MAP
 - DESCRIPTION = Significant Strzelecki Group
Hydrocarbon Shows and Reservoir Outcrop
 - REMARKS =
- DATE_CREATED = 31/01/1995
- DATE_RECEIVED = 19/09/1995
 - W_NO = W1111
 - WELL_NAME = LOY YANG-1A
 - CONTRACTOR =
 - CLIENT_OP_CO = CAPITAL ENERGY NL

(Inserted by DNRE - Vic Govt Mines Dept)

PE906172

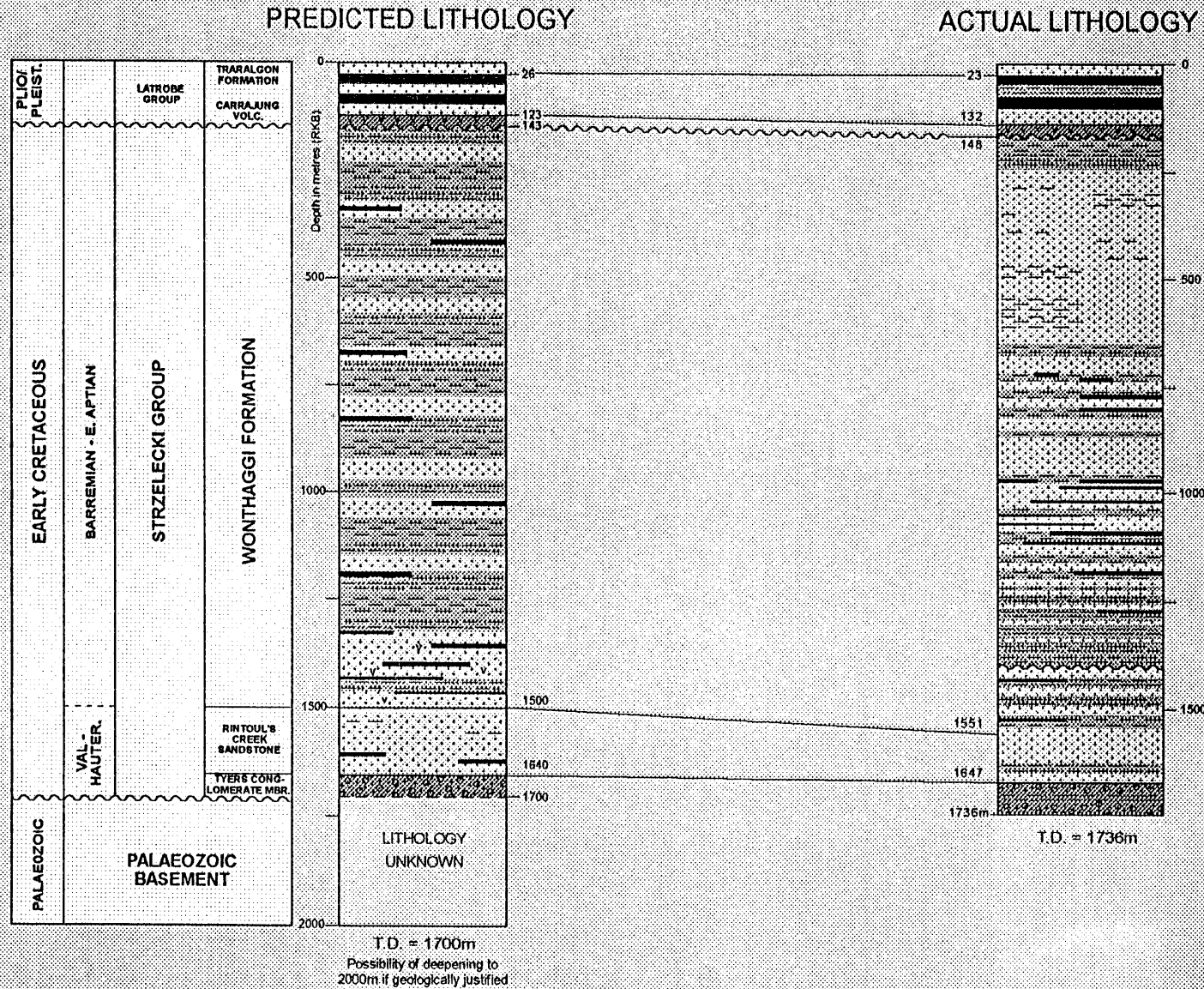
This is an enclosure indicator page.
The enclosure PE906172 is enclosed within the
container PE905273 at this location in this
document.

The enclosure PE906172 has the following characteristics:

- ITEM_BARCODE = PE906172
- CONTAINER_BARCODE = PE905273
- NAME = Cross-Section Correlation
- BASIN = GIPPSLAND
- PERMIT = PEP124
- TYPE = WELL
- SUBTYPE = CROSS_SECTION
- DESCRIPTION = Cross-section Correlation containing
Loy Yang-1A
- REMARKS =
- DATE_CREATED = 31/01/1995
- DATE_RECEIVED = 19/09/1995
- W_NO = W1111
- WELL_NAME = LOY YANG-1A
- CONTRACTOR =
- CLIENT_OP_CO = CAPITAL ENERGY NL

(Inserted by DNRE - Vic Govt Mines Dept)

LOY YANG 1A - PREDICTED vs ACTUAL SECTION

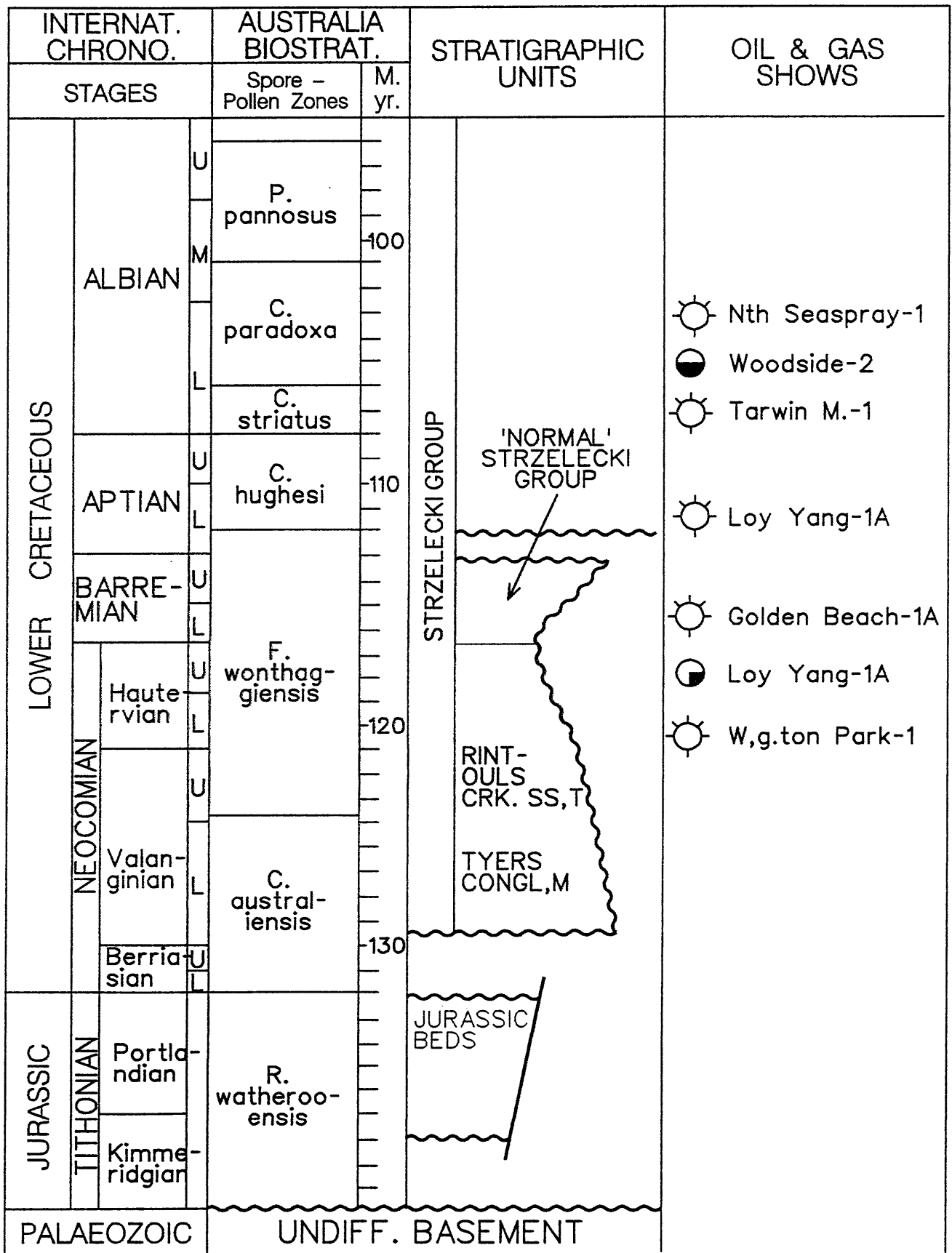


CAPITAL/95 0386-VOL/1/1/1 P113 462/95 3/95
REVISED: 4-07-95, 1/8, REVISED 21-01-98, 1/8



FIGURE 6

PEP 124
STRZELECKI GROUP
STRATIGRAPHIC COLUMN



DATE: January, 1995

Capital Energy N.L.

FIGURE 7

Capital Energy N.L

DRILLING PARAMETERS SUMMARY

| | | | |
|----------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| WELL: LOY YANG No 1A | Latitude: 38 deg 15' 13" S | K.B.: 100.4m | Contractor: Rural Water Corp |
| Spud Date: 30 Oct 1994 | Longitude: 146 deg 33' 31" E | G.L.: 97.2m | Rig No.: 4 |
| Release Date: 13 Dec 1994 | Pump Type: GD FZK 350 | T.D.: 1736 m (MD) | Rig: Bourne 5000 |

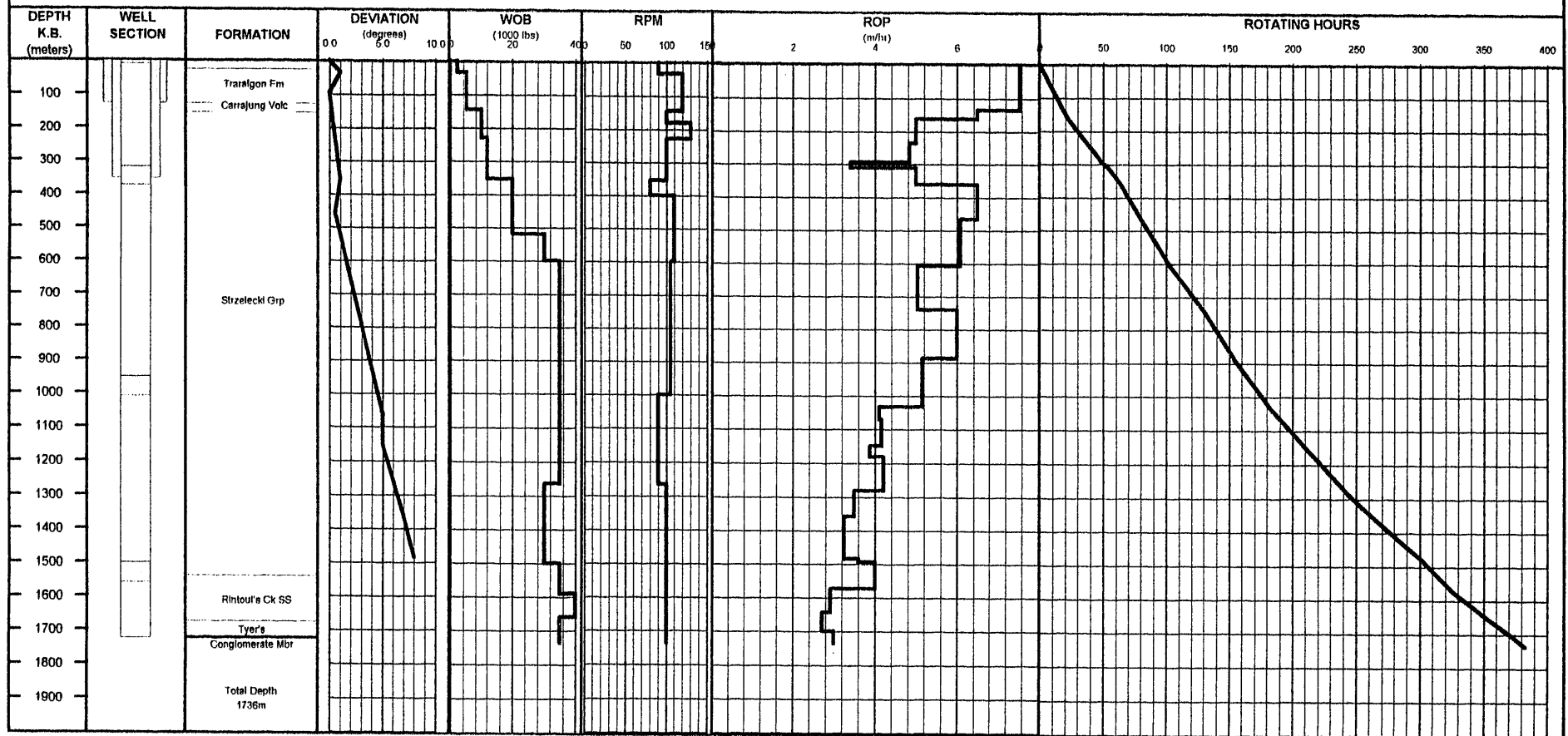


FIGURE 8

Capital Energy N.L., Drilling Fluid Summary

| | | | | | | | |
|---------------|----------------|------------|-------------------|-------|-----------------------------|-------------|------------------|
| WELL: | LOY YANG No 1A | Latitude: | 38 deg 15' 13" S | K.B.: | 100.4m | Contractor: | Rural Water Corp |
| Spud Date: | 7 Nov 1994 | Longitude: | 146 deg 33' 31" E | G.L.: | 97.2m | Rig No.: | 4 |
| Release Date: | 13 Dec 1994 | Pump Type: | GD FZK 350 | T.D.: | 1465 m (TVD) 1465 m (MD) | Rig: | Bourne 5000 |

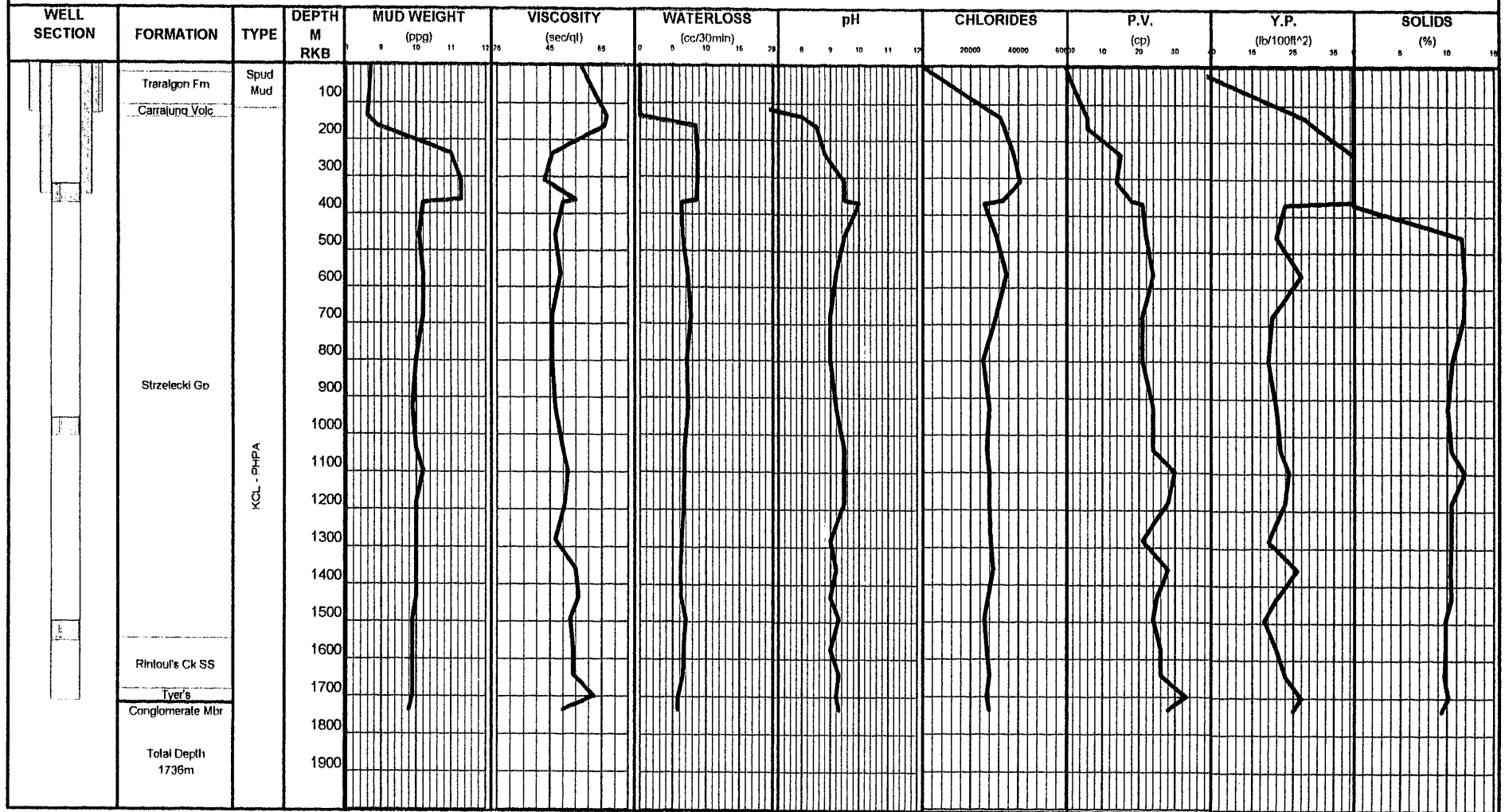


FIGURE 9

Capital Energy N.L

CASING AND CEMENTING REPORT

WELL: LOY YANG No 1A **DATE:** 19/11/94
ELEVATIONS: **KB:** 100.4m **T.D:** 363m
 GL: 97.2m **PBTD:** 342m
CASING BOWL SIZE: 11" **SERIES:** 3000
STRING TYPE: SURFACE

CASING AND EQUIPMENT RECORD AS RUN FROM BOTTOM TO TOP

| SIZE OD. | WEIGHT lb/ft | GRADE | No. of JOINTS | THREAD | LENGTH | FROM | TO | REMARKS |
|----------|--------------|-------|---------------|-----------|--------|--------|--------|------------------|
| 9-5/8" | | | 1 | BTC | 0.44 | 354.02 | 354.46 | |
| 9-5/8" | 43.5 | N80 | 1 | BTC | 12.00 | 342.02 | 354.02 | |
| 9-5/8" | | | 1 | BTC | 0.37 | 341.65 | 342.02 | |
| 9-5/8" | 43.5 | N80 | 30 | BTC | 337.59 | 4.06 | 341.65 | |
| 9-5/8" | 43.5 | N80 | 1 | BTC / STC | 0.13 | 3.93 | 4.06 | Cross-over |
| | | | | STC | 0.43 | 3.50 | 3.93 | Bradenhead |
| | | | | | 3.50 | 0.00 | 3.50 | RKB - Bradenhead |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

TALLY TOTAL 354.46

CASING LANDED AT :- 354.46 m
 KB TO TOP OF BRADEN HEAD :- 3.50 m

CENTRALIZERS LOCATED AT - KB.

SCRATCHERS LOCATED AT - KB.

| | | |
|-----|----|-----|
| 348 | 26 | Nil |
| 338 | | |
| 326 | | |

PREFLUSH

Volume: 10 Bbls Density: 8.33 ppg Additives: Water only

LEAD CEMENT

| | | | | | | | | | | | |
|-----------|-------------|---------|-----|----------|----------|-----------|-----------|---|---|-------------|---------|
| Brand: | Blue Circle | Class: | A | No. sx: | 190 | Additives | Bentonite | % | 3 | Amount Used | 535 lbs |
| Mixwater: | 32.5 Bbls | Excess: | 50% | Density: | 12.6 ppg | | | | | | |

TAIL CEMENT

| | | | | | | | | | | | |
|-----------|-------------|---------|-----|----------|----------|-----------|-----|---|--|-------------|--|
| Brand: | Blue Circle | Class: | A | No. sx: | 140 | Additives | Nil | % | | Amount Used | |
| Mixwater: | 17.5 Bbls | Excess: | 50% | Density: | 15.8 ppg | | | | | | |

DISPLACEMENT

| | | | | | |
|----------|----------|----------------------|-----------|-------------|-----------|
| Fluid: | Mud | Calc. Displacement: | 84 Bbls | Plug Bump: | 1000 psi |
| Density: | 11.3 ppg | Actual Displacement: | 82.5 Bbls | Bleed Back: | 0.25 Bbls |

| TIME:- | | | CASING RECIPROCATED DURING |
|--------------------------|----------|--------|-------------------------------------|
| STARTED IN HOLE: | 2230 HR. | 18 Nov | |
| FINISHED RUNNING CASING: | 0300 HR. | 19 Nov | CEMENTING: Yes |
| START CIRCULATING: | 0320 HR. | | DISPLACING: No |
| STOP CIRCULATING: | 0500 HR. | | |
| START CEMENTING: | 0515 HR. | | WIPER PLUGS |
| FINISH CEMENTING: | 0540 HR. | | TOP: Yes |
| START DISPLACEMENT: | 0550 HR. | | BOTTOM: Yes |
| FINISH DISPLACEMENT: | 0615 HR. | | |

CEMENT JOB DETAILS/REMARKS:-

Pumped 30 sacks down 13-3/8" x 9-5/8" annulus to get cement to surface.

Drilling Supervisor: Andy Baczkowski

FIGURE 10

Capital Energy N.L.

DRILLING RECORD - LOY YANG No 1A

| RIG EQUIPMENT | | | | MUD COMPANY | | | | Baroid/Edi Perkins | | LATITUDE: 38 deg 15' 13" S | | CONTRACTOR: Rural Water Corp. | | | | | | | | | | | | |
|---|---------------|------------------------|---------------------|------------------------|-------------------|-------------------|-------|--|-----------|---|--------|--|---|---|---|---|---|----------------|---------|------------------|-----|-----------------|---------|-----------------------------------|
| Drawworks: | Bourne 5000 | Pump No. 1: GD FZK 350 | Pump No. 2: KSH 280 | DRILLING FLUID TYPE | | INTERVAL | | LONGITUDE: 146 deg 33' 34" E <td colspan="2">RIG NO.: 4 <td colspan="2">DATE SPUDDED: 30 October 1994</td> </td> | | RIG NO.: 4 <td colspan="2">DATE SPUDDED: 30 October 1994</td> | | DATE SPUDDED: 30 October 1994 | | | | | | | | | | | | |
| DP Size: | 4-1/2" 16.60 | | | Low Solids Spud Mud | | 0 150m | | K.B. ELEVATION: 100.4m | | DATE RIG RELEASED: 13 December 1994 | | | | | | | | | | | | | | |
| DC Size: | 8" & 6-1/2" | | | KCL / PHPA | | 150 1736m | | G.L. ELEVATION: 97.2m | | | | | | | | | | | | | | | | |
| | | | | | | | | TOTAL DEPTH (m): 1736 | | | | | | | | | | | | | | | | |
| CASING AND CEMENTING | | | | | | | | WELL SECTION | | FORMATION | | Days from Spud | | | | | | | | | | | | |
| Depth (m KB) | Size (In.) | Weight (lb/ft) | Grade | Coupling | Cement (cs) | Cement Top (m KB) | | | | 0 2 4 6 8 10 12 14 16 18 20 22 24 26 28 30 32 34 36 38 40 42 44 46 48 | | | | | | | | | | | | | | |
| 114.6 | 13-3/8" | 54 | K65 | BTC | 173 & 210 Tall, A | Surface | | | | — Actual | | | | | | | | | | | | | | |
| 354.5 | 9-5/8" | 43.5 | N80 | BTC | 190 & 140 Tall, A | Surface | | | | - - - Programmed | | | | | | | | | | | | | | |
| SURVEY DATA | | | | | | | | | | | | <p>Traralgon Formation Carraling Vale.</p> | | | | | | | | | | | | |
| Depth | Deg. | Depth | Deg. | Depth | Deg. | Depth | Deg. | | | | | | | | | | | | | | | | | |
| 33 | 1 | 1364 | 7 | | | | | | | | | | | | | | | | | | | | | |
| 95 | 0 | 1484 | 8 | | | | | | | | | | | | | | | | | | | | | |
| 356 | 1 | | | | | | | | | | | | | | | | | | | | | | | |
| 458 | 0.5 | | | | | | | | | | | | | | | | | | | | | | | |
| 1062 | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| 1151 | 5 | | | | | | | | | | | | | | | | | | | | | | | |
| REMARKS: Completion, Abandonment, Problems, etc | | | | | | | | | | | | | | | | | | | | | | | | |
| Loy Yang No. 1 abandoned due to inability to clean enlarged hole below surface casing. | | | | | | | | | | | | | | | | | | | | | | | | |
| Loy Yang No. 1A drilled to T.D. of 1736m. Plug No 1, 66 sacks from 1560m - 1500m. Plug No 2, 56 sacks from 1008 - 958m. Plug No 3, 85 sacks from 377 - 321m. 20 sacks at surface. | | | | | | | | | | | | | | | | | | | | | | | | |
| MUD PROPERTIES | | | | | | | | | | | | | | | | | | | | | | | | |
| Depth (m KB) | Density (ppg) | Viscosity (secs/qt) | W.L. (cc/36m) | pH | Cl (ppm) | P.V. | V.P. | Gels (1/10) | % Solids | | | | | | | | | | | | | | | |
| 0.0 | 8.7 | 57 | 0.0 | | | | | | | | | | | | | | | | | | | | | |
| 136.0 | 8.6 | 67 | 0.0 | 8.0 | 32400 | 6.0 | 28.0 | 3.4 | | | | | | | | | | | | | | | | |
| 162.0 | 8.9 | 66 | 9.0 | 8.5 | 34000 | 6.0 | 31.0 | 3.5 | | | | | | | | | | | | | | | | |
| 237.0 | 11.0 | 45 | 12.0 | 8.8 | 38000 | 15.0 | 40.0 | 6-11 | | | | | | | | | | | | | | | | |
| 311.0 | 11.3 | 43 | 9.0 | 9.5 | 41000 | 14.0 | 40.0 | 4.8 | | | | | | | | | | | | | | | | |
| 362.0 | 11.3 | 55 | 8.6 | 9.5 | 33500 | 18.0 | 40.0 | 7-11 | | | | | | | | | | | | | | | | |
| 370.0 | 10.2 | 50 | 6.4 | 10.0 | 26000 | 21.0 | 23.0 | 3.5 | | | | | | | | | | | | | | | | |
| 458.0 | 10.1 | 47 | 6.5 | 9.5 | 31000 | 22.0 | 21.0 | 3.4 | 11.6 | | | | | | | | | | | | | | | |
| 564.0 | 10.2 | 49 | 7.3 | 9.2 | 35000 | 24.0 | 27.0 | 4.5 | 11.9 | | | | | | | | | | | | | | | |
| 678.0 | 10.2 | 46 | 7.8 | 9.0 | 31000 | 21.0 | 20.0 | 3.7 | 11.8 | | | | | | | | | | | | | | | |
| 799.0 | 10.0 | 46 | 7.2 | 9.0 | 25500 | 21.0 | 19.0 | 3.9 | 10.6 | | | | | | | | | | | | | | | |
| 927.0 | 9.9 | 47 | 7.4 | 9.2 | 28000 | 24.0 | 21.0 | 3.8 | 10.1 | | | | | | | | | | | | | | | |
| 1040.0 | 10.0 | 50 | 6.8 | 9.5 | 27000 | 24.0 | 22.0 | 3.8 | 10.5 | | | | | | | | | | | | | | | |
| 1098.0 | 10.2 | 52 | 6.8 | 9.5 | 28000 | 30.0 | 24.0 | 4.9 | 11.9 | | | | | | | | | | | | | | | |
| 1181.0 | 10.0 | 51 | 6.7 | 9.5 | 28000 | 28.0 | 23.0 | 3-10 | 10.5 | | | | | | | | | | | | | | | |
| 1282.0 | 10.0 | 47 | 6.4 | 9.0 | 28500 | 21.0 | 19.0 | 3.7 | 10.5 | | | | | | | | | | | | | | | |
| 1359.0 | 10.0 | 55 | 6.2 | 9.2 | 29500 | 28.0 | 26.0 | 4-10 | 10.4 | | | | | | | | | | | | | | | |
| 1435.0 | 10.0 | 56 | 6.3 | 9.0 | 27500 | 25.0 | 21.0 | 3-13 | 10.5 | | | | | | | | | | | | | | | |
| 1493.0 | 9.9 | 53 | 7.0 | 9.3 | 26000 | 24.0 | 16.0 | 4-11 | 9.9 | | | | | | | | | | | | | | | |
| 1573.0 | 9.9 | 54 | 6.7 | 9.0 | 27000 | 26.0 | 21.0 | 4-11 | 9.9 | | | | | | | | | | | | | | | |
| 1643.0 | 9.9 | 54 | 6.6 | 9.3 | 28000 | 26.0 | 23.0 | 3-13 | 9.7 | | | | | | | | | | | | | | | |
| 1700.0 | 9.9 | 62 | 5.6 | 9.2 | 27000 | 33.0 | 27.0 | 3-12 | 10.2 | | | | | | | | | | | | | | | |
| 1736.0 | 9.9 | 50 | 5.7 | 9.3 | 27800 | 28.0 | 25.0 | 4-7 | 9.4 | | | | | | | | | | | | | | | |
| BIT RECORD | | | | | | | | | | | | | | | | | | | | | | | | |
| Bit (no.) | Size (In.) | Type | Jets | TFA (In ²) | Depth Out (m) | Mtrs. | Hrs | ROP (m/hr) | Cumul Hrs | WOB (x1000lb) | RPM | Condition | | | | | | Pressure (Psi) | Gal/Min | Annular Velocity | | Jet Vel (m/sec) | Remarks | |
| | | | | | | | | | | | | I | O | D | L | B | G | | | O | R | | | DP (m/min) |
| 1 | 12-1/4" | L114 | 3 x 18 | 0.746 | 217 | 201.7 | 21.5 | 9.4 | 21.5 | 5-10 | 80-100 | 3 | 3 | | | 2 | 1 | CSG | 600 | 500 | 30 | 46 | 66 | |
| 2 | 8-1/2" | L117 | 3 x 16 | 0.589 | 218 | 1 | 1 | 1 | 22.5 | 10-15 | 100 | 4 | 4 | | | 4 | 1 | PR | 950 | 320 | 47 | 81 | 53 | |
| 3 | 8-1/2" | L117 | 3 x 12 | 0.331 | 322.8 | 104.8 | 14.25 | 7.4 | 36.75 | 10-15 | 80-100 | | | | | | | | 950 | 320 | 47 | 81 | 94 | Lost In Hole, side-tracked |
| 4 | 8-1/2" | L115 | 3 x 14 | 0.451 | | | | | | | | J | I | | | 1 | 1 | TD | 475 | 300 | 41 | 71 | 65 | On Down-Hole Motor for Side Track |
| LOY YANG No 1A | | | | | | | | | | | | | | | | | | | | | | | | |
| RR 1 | 17-1/2" | 80SC | 3 x 23 | 1.217 | 136 | 119 | 16 | 6.6 | 18 | 2-6 | 130 | 4 | 4 | | | 2 | 1 | CSG | 250 | 507 | 47 | 51 | 41 | |
| RR 2 | 12-1/4" | L114 | 3 x 20 | 0.920 | 312 | 176 | 37.5 | 4.7 | 55.5 | 15 | 130 | 3 | 3 | | | 6 | 1 | PR | 650 | 449 | 85 | 128 | 48 | |
| 3 | 12-1/4" | L115 | Open | 2.356 | 363 | 51 | 10 | 5.1 | 65.5 | 15 | 130 | 2 | 2 | | | 2 | 1 | CSG | 650 | 449 | 85 | 128 | 19 | |
| 4 | 8-1/2" | S11J | 20,20,15 | 0.786 | 466 | 103 | 16 | 6.4 | 81.5 | 15-20 | 120 | 4 | 4 | | | 3 | 1 | PR | 650 | 330 | 156 | 270 | 41 | |
| 5 | 8-1/2" | FTD417 | 20,20,15 | 0.786 | 1071 | 605 | 111.5 | 5.4 | 193 | 30-35 | 90-110 | 3 | 3 | | | F | 1 | HRS | 650 | 174 | 129 | 224 | 34 | |
| 6 | 8-1/2" | FTD417 | 20,20,16 | 0.810 | 1493 | 422 | 114 | 3.7 | 307 | 30-35 | 90-110 | 2 | 2 | | | F | 1 | TQ | 650 | 255 | 120 | 208 | 31 | |
| 7 | 8-1/2" | HPS1A | 20,20,15 | 0.786 | 1700 | 207 | 65 | 3.2 | 372 | 30-35 | 90-110 | 2 | 2 | | | F | 1 | TD | 650 | 255 | 120 | 208 | 32 | |
| 8 | 8-1/2" | HPS1A | 20,20,15 | 0.786 | 1736 | 36 | 12 | 3 | 384 | 30-35 | 110 | 1 | 1 | | | F | 1 | TD | 650 | 255 | 120 | 208 | 32 | |

FIGURE 11

APPENDIX 1

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|--|---------|---------------------|---|------------------|-------------------|---------------------|----------|------------------------------|-------------|---------------------|------------------|-----------|------|-------|--|
| WELL: LOY YANG 1 | | | | Date: 7 Oct 1994 | | | | Report No. 1 | | | | DFS: 0 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | | | LAST CASING: 13-3/8" @ 15.3m | | | | | | | |
| Depth @ 2400hrs: | | 162.65m | | Progress: 147.3m | | Operation: Drilling | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | |
| | 8.6 | 81 | 15 | 20 | 7/22 | 9.4 | 20 | 5 | 280 | 300 | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Caustic | 1 | Gel | 144 | | | | | | |
| | | | | | ADDED | EZ Mud | 8 | Lime | 8 | BARITE on hand: 835 | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| 1 | 12-1/4" | L 114 | 87665 | 3x18 | 15.3 | | | 147.35 | 13.5 | 11 | 5 - 10k# | 80-100 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 500 | 300 | 6 x 12 | 55 | JET | DP | DC | 102 | SPM | PSI | 15 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | 55 | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | Survey | Depth | Angle | | | |
| Bit - Bit sub - 2 x 8" DC - Stab - 1 x 8" DC - x/o | | | | 15 k# | | | | 159.94m | | | 40 | 0.75 | | | |
| -12 x 6.5" DC - xo - 2 HWDP | | | | | | | | | | | 99 | 0.25 | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0000 | 0930 | 9.5 | Prepare to spud | | | | | | | | | | | | |
| 0930 | | 2 | Spud Loy Yang 1 with 12-1/4" bit and drill from 15 to 43m | | | | | | | | | | | | |
| | 1130 | | Lost full returns at 38m | | | | | | | | | | | | |
| 1130 | 1200 | 0.5 | Survey at 40m | | | | | | | | | | | | |
| 1200 | 1730 | 5.5 | Continue drilling from 43m to 99m without returns, with water. Using 20 - 30 Bbl Hi-Vis slugs | | | | | | | | | | | | |
| | | | Attempted using LCM to help alleviate losses without success | | | | | | | | | | | | |
| 1730 | 1800 | 0.5 | Survey at 99m, 0.25 deg | | | | | | | | | | | | |
| 1800 | 2400 | 6 | Drill from 99m to 162.65m | | | | | | | | | | | | |
| RKB to GL:- 3.30m | | | | | | | | | | | | | | | |
| Loy Yang No 1 spudded at 0930 hrs, 7 October 1994 | | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | |
| 13.5 | | 1 | | | | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | 14.5 | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | 20 | | | |
| | 2 | 14 | | 1 | 3 | | | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs, 209m | | | | | | | | | | | | |
| Continue drilling to 209m | | | | | | | | | | | | | | | |
| Mobilisation included in Daily Cost | | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | |
| 147,021 | | 147,021 | | | Strzelecki | | | Pat Sheridan | | | Guy Holdgate | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | | | | | |
|--|------------|----------------------|---|---|--------------------------------|--------------------|-----------------|-------------------------------------|-------------------|--------------------|---------------------|---------------------|------------------|------------|--------------|------------------|--|--|--|
| WELL: LOY YANG 1 | | | | Date: 8 Oct 1994 | | | | Report No. 2 | | | | DFS: 1 | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | | | LAST CASING: 13-3/8" @ 15.3m | | | | | | | | | | | |
| Depth @ 2400hrs: 209m | | Progress: 47m | | Operation: Circulating & cleaning hole | | | | A'd TD: 1700m | | | | | | | | | | | |
| MUD | | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | | | | |
| | | 8.6 | 75 | 15 | 20 | 11 / 21 | 9.6 | 13.7 | 2 | 280 | 300 | | | | | | | | |
| MBC | | NITRITE | SULP | KCL | K+ | MUD | Lime | 8 | Gel | 176 | BARITE | | | | | | | | |
| | | | | | | ADDED | EZ Mud | 13 | KS | 20 | on hand: 835 | | | | | | | | |
| BIT NO. | | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | | | | |
| 1 | | 12-1/4" | L 114 | 87665 | 3x18 | 15.3 | | | 193.7 | | 5 - 10k# | 80-100 | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | | | | | |
| GD FZK 350 | | 500 | 300 | 6 x 12 | 55 | JET | DP | DC | 102 | SPM | PSI | 15 k# | | | | | | | |
| NAT KSH 280 | | | | 5.5x12 | 55 | | | | | | | | | | | | | | |
| B.H.Assy | | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | | | | |
| Bit - Bit sub - 2 x 8" DC - Stab - 1 x 8" DC - x/o | | | | | | | | | 15 k# | 159.94m | | 40 | 0.75 | | | | | | |
| -12 x 6.5" DC - xo - 2 HWDP | | | | | | | | | | | | 99 | 0.25 | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | | | | | |
| 0000 | 0230 | 2.5 | Drill 12-1/4" hole from 162 to 169m | | | | | | | | | | | | | | | | |
| 0230 | 0300 | .5 | Survey at 169m, 1/4 deg | | | | | | | | | | | | | | | | |
| 0300 | 0630 | 3.5 | Drilled from 169 to 209m | | | | | | | | | | | | | | | | |
| 0630 | 0700 | .5 | Circulate Hi-Vis pill | | | | | | | | | | | | | | | | |
| 0700 | 0900 | 2 | POH for plugged jet | | | | | | | | | | | | | | | | |
| 0900 | 0930 | .5 | Clean bit | | | | | | | | | | | | | | | | |
| 0930 | 1030 | 1 | RIH to 169m, wash to 179m | | | | | | | | | | | | | | | | |
| 1030 | 1200 | 1.5 | POH, unplug jets, fit larger jets & RIH to 172m | | | | | | | | | | | | | | | | |
| 1200 | 1400 | 2 | Work pipe & circulate with 1 pump while No 2 engine being repaired | | | | | | | | | | | | | | | | |
| 1400 | 1900 | 5 | Washed & cleaned hole from 172m with Hi-Vis pills to bottom. Unable to keep hole open | | | | | | | | | | | | | | | | |
| 1900 | 2130 | 2.5 | POH and lay down stabiliser | | | | | | | | | | | | | | | | |
| 2130 | 2300 | 1.5 | RIH to 187m | | | | | | | | | | | | | | | | |
| 2300 | 2400 | 1 | Circulate & clean hole from 187 to 196m | | | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | | | | |
| | | 6 | 8.5 | .5 | 2 | | .5 | 6 | | | | | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | | | | | |
| | | | | | | | | | | .5 | | 24 | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL | E/LOG | WATER | DRLG | OTHERS | | | | | | | | |
| | 2 | 14 | | 1 | 3 | | | | | | | 20 | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | | Depth at 0600 Hrs, 212m | | | | | | | | | | | | | | |
| Reaming to bottom, survey and drilled ahead | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | | | FORMATION: | | | | SUPERVISOR | | | | GEOLOGIST | | | |
| | | | | | | | | Strzelecki | | | | Pat Sheridan | | | | Guy Holdgate | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|---------------|-------------------------|--|--------------------------------|--------------------|---------------------------------------|-------------------|------------------|-------------------|--------------------|---------------|---------------------|------------|--------------|
| WELL: LOY YANG 1 | | Date: 9 Oct 1994 | | Report No. 3 | | DFS: 2 | | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | LAST CASING: 9-5/8" at 181.75m | | | | | | | | |
| Depth @ 2400hrs: 217m | | Progress: 8m | | Operation: Cementing | | A'd TD: 1700m | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel 152 Lime 6 | | | | | | BARITE | | |
| | | | | | ADDED EZ Mud 5 | | | | | | on hand: | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 1 | 12-1/4" | L114 | 87665 | 3 x 20 | 15.3 | 217 | 201.7 | 21.5 | 9 | 5-10k# | 80-100 | 3-2-I | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZX 350 | | 500 | 600 | 6 x 12 | 55 | JET | DP | DC | HHP | SPM | PSI | 28 k# | | |
| NAT KSH 280 | | | | 5.5x12 | 55 | | | | 77 | | | | | |
| B.H.Assy | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | | |
| | | | | | | | | | 196m | 1 | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0200 | 2 | Wash & Ream to 196m | | | | | | | | | | | |
| 0200 | 0230 | 0.5 | Survey at 196m, 1 deg | | | | | | | | | | | |
| 0230 | 0500 | 2.5 | Circulate & Cleaned hole from 196 to 209m with Hi-Vis slugs | | | | | | | | | | | |
| 0500 | 0700 | 2 | Drill from 209 to 217m | | | | | | | | | | | |
| 0700 | 1000 | 3 | Hole caving, unable to make connection. Use Hi-Vis slugs, pull back to 197m | | | | | | | | | | | |
| 1000 | 1130 | 1.5 | Wiper trip, tight at 196m | | | | | | | | | | | |
| 1130 | 1200 | 1 | Circulate to Hi-Vis mud | | | | | | | | | | | |
| 1200 | 1300 | 1 | POH to run casing, lay out 8" DC's | | | | | | | | | | | |
| 1300 | 1330 | 0.5 | Rig up to run casing | | | | | | | | | | | |
| 1330 | 1630 | 3 | Run 9-5/8" casing, unable to pass 196m | | | | | | | | | | | |
| 1630 | 2130 | 5 | Attempt to wash down casing, pull back to space out | | | | | | | | | | | |
| 2130 | 2330 | 2 | Circulate, mix & pump 138 sacks "A" lead cement at 12ppg & 80 sacks "A" neat tail cement | | | | | | | | | | | |
| 2330 | 2400 | 0.5 | Mix & pump 120 sacks "A" cement down annulus between 9-5/8" and 13-3/8" casings | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | |
| | | 2 | 2.5 | 0.5 | | | 8 | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | |
| | | 8.5 | 2.5 | | | | | | | | | | 24 | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 14 | | 1 | 2 | 2 | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs. 217m | | | | | | | | | | |
| Wait on cement, prepare to nipple up BOP's | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | |
| 47988 | | 213594 | | STRZELECKI | | | PAT SHERIDAN | | | GUY HOLDGATE | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | | | |
|--|---------|-------------|--|-----------------------------|-------|------------|-------|--------------------------------|--------------|-----------|--------|--------------|-----|-----------------|--|-------|--|
| WELL: LOY YANG 1 | | | | Date: 10 Oct 1994 | | | | Report No. 4 | | | | DFS: 3 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | | | LAST CASING: 9-5/8" at 181.75m | | | | | | | | | |
| Depth @ 2400hrs: 217m | | Progress: 0 | | Operation: Drill out cement | | | | A'd TD: 1700m | | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | | | |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Gel | 152 | Lime | 6 | | | | | BARITE on hand: | | | |
| | | | | | ADDED | EZ Mud | 5 | | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | | | |
| GD FZX 350 | | | | 6 x 12 | | JET | DP | DC | | SPM | PSI | | | | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | | | Survey | | Depth | | Angle | |
| | | | | | | | | | | | | 196m | | 1 | | | |
| OPERATIONS | | | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | | | |
| 0001 | 1100 | 11 | Wait on Cement | | | | | | | | | | | | | | |
| 1100 | 1200 | 1 | Mix & pump 353 sacks cement down 9-5/8" / 13-3/8" casing annulus | | | | | | | | | | | | | | |
| 1200 | 1500 | 3 | Back out landing joint & install Bradenhead | | | | | | | | | | | | | | |
| 1500 | 2000 | 5 | Nipple up BOP's, function test. Mix & pump 143 sacks cement down annulus to fill to surface | | | | | | | | | | | | | | |
| 2000 | 2230 | 2.5 | Pressure test BOP's, choke manifold & all surface valves to 500 & 2000 psi. annular to 1000psi | | | | | | | | | | | | | | |
| 2230 | 2400 | 1.5 | Nipple up flow line, secure BOP's to sub base | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | REPAIRS | CIRC | CMT | CUT | RIG | Handle | | | | | | |
| | | | | | | | | | | | Tools | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | OTHER | | | | | | | | | | |
| 1 | 11 | 8 | 2.5 | 1.5 | | | | | | | 24 | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | | | |
| | 2 | 14 | 1 | 2 | 2 | | | | | | | 21 | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs. 217m | | | | | | | | | | | | | | |
| Make up BHA & RIH, drill out cement & float collar | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | | |
| 27738 | | | 241332 | | | STRZELECKI | | | PAT SHERIDAN | | | GUY HOLDGATE | | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|--|--------------|--|-------------------------|------------|-------------------|---------------------------|--------------|--------------------------------|---------------|--------------|-----------|---------------------|-------|
| WELL: LOY YANG 1 | | | | | | Date: 12 Oct 1994 | | | Report No. 6 | | DFS: 5 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" at 181.75m | | | | | |
| Depth @ 2400hrs: | | 217m | | Progress: | 0 | | Operation: Wait on cement | | | A'd TD: 1700m | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 8.7 | 50 | 16 | 21 | 11 / 20 | 10.5 | 10.6 | 2 | 180 | 40 | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel 68 | Caustic 1 | | | | | | BARITE on hand: 122 | |
| | | | | | ADDED | CMC HV 3 | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 2 | 8-1/2" | LI17 | 63181 | 3 x 16 | | | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZX 350 | | | | 6 x 12 | | JET | DP | DC | | SPM | PSI | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | Bit - Bit sub - x/o - x/o - 2 x 6-1/2" DC's - Stab - 10 x 6-1/2" DC's - 5 HWDP | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | |
| | | | | | | | | 38 k# | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0530 | 5.5 | Wait on cement, Plug No 1 | | | | | | | | | | | |
| 0530 | 0700 | 1.5 | RIH, tagged cement at 190m | | | | | | | | | | | |
| 0700 | 0800 | 1 | POH, RIH open ended to 190m | | | | | | | | | | | |
| 0800 | 0830 | 0.5 | Circulate | | | | | | | | | | | |
| 0830 | 0900 | 0.5 | Mix & pump 164 sacks cement at 190m, Plug No 2 | | | | | | | | | | | |
| 0900 | 1000 | 1 | Pulled back to 160m & circulate clean | | | | | | | | | | | |
| 1000 | 1630 | 6.5 | Wait on cement | | | | | | | | | | | |
| 1630 | 1730 | 1 | Repair hydraulic hose | | | | | | | | | | | |
| 1730 | 1800 | 0.5 | RIH with bit & tagged cement at 156m | | | | | | | | | | | |
| 1800 | 2300 | 5 | Drill out cement from 156 to 198m | | | | | | | | | | | |
| 2300 | 2400 | 1 | Wash & ream from 198 to 202m | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | |
| | | 3 | | 1 | | 1.5 | | | | | | | | |
| CASING | | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | |
| | | 6.5 | | 12 | | | | | | | | 24 | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 14 | | 1 | 2 | 2 | | | | | | 21 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs. 217m | | | | | | | | | | |
| Wash & ream to 217m. Circulate. POH. RIH to set Plug No 3 | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| 21224 | | 298832 | | | STRZELECKI | | | PAT SHERIDAN | | | GUY HOLDGATE | | | |

Capital Energy N.L Drilling Report

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|---------------------------------|---|-------|--|---|-------------------|----------|------------|--------------------------------|---------------------------|-----------------|--------|--------------|---------------|--------------|--|
| WELL: LOY YANG 1 | | | | | Date: 13 Oct 1994 | | | Report No. 7 | | DFS: 6 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" at 181.75m | | | | | | | |
| Depth @ 2400hrs: | | 218m | | Progress: | 1 | | Operation: | | Circulate & Condition mud | | | | A'd TD: 1700m | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | |
| | 9.2 | 51 | 22 | 30 | 6/16 | 10.5 | 12.3 | 2 | 19.7k | 380 | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 14 | EZ Mud | 5 | BARITE on hand: | | | | | |
| | | | | | ADDED | CMC HV | 13 | Dextrid | 3 | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 2 | 8-1/2" | L117 | 63181 | 3 x 16 | | | | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | | |
| GD FZX 350 NAT KSH 280 | | 275 | 375 | 6 x 12 5.5x12 | 55 | JET | DP | DC | HHP | SPM | PSI | | | | |
| B.H.Assy | Bit - Bit sub - x/o - x/o - 2 x 6-1/2" DC's - Stab - 10 x 6-1/2" DC's - 6 HWDP | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| | | | | | | | | 38 k# | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0330 | 3.5 | Ream & Wash from 202 to 217m | | | | | | | | | | | | |
| 0330 | 0400 | 0.5 | Circulate clean with Hi-Vis mud | | | | | | | | | | | | |
| 0400 | 0530 | 1.5 | POH | | | | | | | | | | | | |
| 0530 | 0630 | 1 | RIH open-ended to 217m | | | | | | | | | | | | |
| 0630 | 0700 | 0.5 | Circulate & Condition mud | | | | | | | | | | | | |
| 0700 | 0730 | 0.5 | Mix & pump 75 sacks cement, Plug No 3 | | | | | | | | | | | | |
| 0730 | 0830 | 1 | Pull back to 170m & circulate clean | | | | | | | | | | | | |
| 0830 | 0930 | 1 | POH | | | | | | | | | | | | |
| 0930 | 1430 | 5 | WOC, Pressure tested Kelly cock, Inside BOP to 500 & 2000 psi | | | | | | | | | | | | |
| 1430 | 1600 | 1.5 | RIH & tagged cement at 197m, POH laying down pipe | | | | | | | | | | | | |
| 1600 | 1700 | 1 | RIH to 197m with bit | | | | | | | | | | | | |
| 1700 | 2000 | 3 | Drill out cement from 197 to 217m | | | | | | | | | | | | |
| 2000 | 2100 | 1 | Drilled to 218m | | | | | | | | | | | | |
| 2100 | 2400 | 3 | Hole packed off & pipe got stuck on connection. Work free & POH to shoe, circulate large volume of cuttings and cavings. | | | | | | | | | | | | |
| | | | Weighed up mud to 9.2ppg and added KCL to 4% | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CIRC | CMT | CUT | RIG | Handle | | | | |
| | 1 | 7 | | | | | 1 | | | | Tools | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | PIPE | FISHING | OTHER | | | | | |
| | | 3.5 | | | BOP | BOP | 3 | | | 3.5 | | 24 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 14 | | 1 | 2 | 2 | | | | | | | 21 | | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs. 218m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | Condition mud, wash & ream from 187 to 202m | | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | | | FORMATION: | | | | SUPERVISOR | | GEOLOGIST | |
| 18703 | | | | 317535 | | | | STRZELECKI | | | | PAT SHERIDAN | | GUY HOLDGATE | |

Capital Energy N.L Drilling Report

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|--|---------------|-----------------|--|--------------------------|---|-----------------------------------|-----------------|------------------|----------------|---------------------------------------|----------------------|---------------------|---------------|--------------|
| WELL: LOY YANG 1 | | | | | Date: 14 Oct 1994 | | | | | Report No. 8 | | | DFS: 7 | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | | | LAST CASING: 9-5/8" at 181.75m | | | | |
| Depth @ 2400hrs: | | 243m | | Progress: 25m | | Operation: Repair mud pump | | | | | A'd TD: 1700m | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.2 | 48 | 14 | 21 | 4/7 | 10 | 10.3 | 2 | 40k | 300 | Trace | 4.9% | | 95.3% |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 68 | EZ Mud | 12 | S.Bicart | 12 | KCL | BARITE | |
| | | | 6.6% | 34.9k | ADDED | CMC HV | 16 | Dextrid | 26 | Barite | 200 | 180 | on hand: 40 | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| RR 2 | 8-1/2" | L117 | 63181 | 3 x 12 | 217 | 218 | 1 | 1 | 1 | 10-15k | 100 | 4-4-I | | |
| 3 | 8-1/2" | L117 | 63180 | 3 x 12 | 218 | | 25 | 2.5 | 10 | 10-15 | 100 | In | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZX 350 | | 320 | 950 | 6 x 12 | 48 | JET | DP | DC | HHP | SPM | PSI | 50 k# | | |
| NAT KSH 280 | | | | 5.5x12 | 36 | | | | | | | | | |
| B.H.Assy | | | | | Bit - NB Rmr - Pony DC - Stab - 1 x 6-1/2" DC's | | | BHA WT | | Length BHA | | Survey | Depth | Angle |
| | | | | | - Stab - 9 x 6-1/2" DC's - Jars - 6 HWDP | | | 45 k# | | 185.14m | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0200 | 2 | Pulled into shoe, circulate & condition mud, MW up to 9.2ppg with KCL & Barite | | | | | | | | | | | |
| 0200 | 0330 | 1.5 | Wash & Ream to 200m, unable to pass 200m | | | | | | | | | | | |
| 0330 | 0500 | 1.5 | POH and remove Stab, RIH to 190m | | | | | | | | | | | |
| 0500 | 0800 | 3 | Ream from 190 to 202m | | | | | | | | | | | |
| 0800 | 0830 | 0.5 | POH | | | | | | | | | | | |
| 0830 | 1000 | 1.5 | Changed BHA & Bit, RIH to 197m | | | | | | | | | | | |
| 1000 | 1200 | 2 | Ream & clean hole to 218m | | | | | | | | | | | |
| 1200 | 1300 | 1 | Circulate & condition mud | | | | | | | | | | | |
| 1300 | 1530 | 2.5 | Drill from 218 to 243m, hole packed off | | | | | | | | | | | |
| 1530 | 1700 | 1.5 | Work to free pipe, pump out 5 singles, lost 87 Bbls of mud | | | | | | | | | | | |
| 1700 | 1800 | 1 | POH to check bit, balled up | | | | | | | | | | | |
| 1800 | 1900 | 1 | RIH to shoe | | | | | | | | | | | |
| 1900 | 2100 | 2 | Condition mud & build volume | | | | | | | | | | | |
| 2100 | 2400 | 3 | Repair mud pump & change liners to 5" | | | | | | | | | | | |
| Changed to PHPA/KCL mud system Derrick escape line has been modified Permission from Vic DEM to forgoe leak off test due to hole instability | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT | CUT | RIG | CORING | Handle Tools | | |
| | | 2.5 | 7 | | 3 | | 5 | 6.5 | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | |
| | | | | | | | | | | 3.5 | | | 24 | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 15 | | 1 | 2 | 2 | | | | | | | 22 | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | | Depth at 0600 Hrs, 252m | | | | | | | | | |
| Repair mud pump, Wash & Ream to 243m. Drill 8-1/2" hole | | | | | | | | | | | | | | |
| DAILY COST | | | | | | | | | | | | | | |
| 26552 | | | | | | | | | | | | | | |
| COST TO DATE | | | | | | | | | | | | | | |
| 344087 | | | | | | | | | | | | | | |
| FORMATION: | | | | | | | | | | | | | | |
| STRZELECKI | | | | | | | | | | | | | | |
| SUPERVISOR | | | | | | | | | | | | | | |
| PAT SHERIDAN | | | | | | | | | | | | | | |
| GEOLOGIST | | | | | | | | | | | | | | |
| GUY HOLDGATE | | | | | | | | | | | | | | |

Capital Energy N.L Drilling Report

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|---------------------------------|--|---------|--|----------------------------|-------------------|----------|------------|--------------------------------|-------------|-----------------|--------------|--------------|---------------|-------|--|
| WELL: LOY YANG 1 | | | | | Date: 15 Oct 1994 | | | Report No. 9 | | DFS: 8 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" at 181.75m | | | | | | | |
| Depth @ 2400hrs: | | 322.84m | | Progress: | 79.84m | | Operation: | | | Work stuck pipe | | | A'd TD: 1700m | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | |
| | 9.2 | 60 | 18 | 16 | 5/7 | 9.5 | 9.2 | 2 | 38k | 240 | Trace | 5.5% | | 94.5% | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 190 | EZ Mud | 10 | S.Bicart | 8 | KCL 146 | BARITE | | |
| | | | 6.6% | 34.9k | ADDED | CMC HV | 7 | Dextrid | 1 | Barite | 40 | Canst 1 | on hand: | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| 3 | 8-1/2" | L117 | 63180 | 3 x 12 | 218 | | 104.84 | 16.75 | 6.25 | 10 - 15k | 80-100 | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZX 350 | | 320 | 950 | 6 x 12 | 48 | JET | DP | DC | 155 | | | 50 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | 36 | | | | | | | | | | |
| B.H.Assy | Bit - NB Rmr - Pony DC - Stab - 1 x 6-1/2" DC's | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| | | | | | | | | | | | 249 | 1 | | | |
| | - Stab - 9 x 6-1/2" DC's - Jars - 2 x 6.5" DC - 6 HWDP | | | | | | | 45 k# | 185.14m | | 311 | 1 | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0100 | 1 | Changed filter on rig torque converter | | | | | | | | | | | | |
| 0100 | 0500 | 4 | Reamed from 185 to 243m | | | | | | | | | | | | |
| 0500 | 0630 | 1.5 | Drilled from 243 to 252m | | | | | | | | | | | | |
| 0630 | 0700 | 0.5 | Circulate | | | | | | | | | | | | |
| 0700 | 0730 | 0.5 | Survey at 249m, 1 deg | | | | | | | | | | | | |
| 0730 | 2015 | 12.75 | Drilled from 252 to 322.84m | | | | | | | | | | | | |
| 2015 | 2045 | 0.5 | R.O.P slowed, circulate prior to survey | | | | | | | | | | | | |
| 2045 | 2100 | 0.25 | Survey at 311m, 1 deg | | | | | | | | | | | | |
| 2100 | 2400 | 3 | Attempt to POH. Pipe stuck, no circ, jar on pipe. Mix & spot EZ Spot and soak, bit at 308m | | | | | | | | | | | | |
| | | | Bit at 308m | | | | | | | | | | | | |
| | | | NB Rmr at 306.6m | | | | | | | | | | | | |
| | | | Stab at 300.2m | | | | | | | | | | | | |
| | | | Stab at 289.5m | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | D/LINE | RIG SERVICE | CORING | Handle Tools | | | | |
| | 14.25 | | 0.75 | 1 | | 1 | 4 | | | | | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | | |
| | | | | | | | 3 | | 3.5 | | | 24 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 15 | | 1 | 2 | 1 | | | | | | 21 | | | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs, 322.84m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | Work and Jar stuck pipe | | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | GEOLOGIST | | | |
| 21316 | | | | 365403 | | | STRZELECKI | | | PAT SHERIDAN | | GUY HOLDGATE | | | |

Capital Energy N.L. Drilling Report

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|---------------------------------|--------|----------|-------|---|-------------------|-----------|------------|---------------------------|---------|--------------------------------|--------------|-----------|---------------|-------|
| WELL: LOY YANG 1 | | | | | Date: 17 Oct 1994 | | | | | Report No. 11 | | DFS: 10 | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | | | LAST CASING: 9-5/8" at 181.75m | | | | |
| Depth @ 2400hrs: | | 322.84m | | Progress: | | 0 | | Operation: Wait on Cement | | | | | A'd TD: 1700m | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.2 | 53 | 21 | 18 | 3/8 | 9.5 | 5.5 | 1 | 32.5k | 120 | Trace | 4.4% | | 95.6% |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel 10 | | | | | BARITE | | | |
| | | | 6.1% | 32.1k | ADDED | CMC HV 2 | | | | | on hand: 400 | | | |
| | | | | | | Barite 24 | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| | | | | | | | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK | | |
| | | | | | | JET | DP | DC | HHP | SPM | PSI | LOAD | | |
| GD FZX 350 | | | | 6 x 12 | | | | | | | | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0230 | 2.5 | | Established pipe back-off point | | | | | | | | | | |
| 0230 | 0300 | 0.5 | | Rig down Schlumberger | | | | | | | | | | |
| 0300 | 0400 | 1 | | POH with fish | | | | | | | | | | |
| 0400 | 0700 | 3 | | Make up BHA with jar and bumper sub, RIH | | | | | | | | | | |
| 0700 | 0730 | 0.5 | | Wash from 208 to 236m | | | | | | | | | | |
| 0730 | 1200 | 4.50 | | Screw into fish, work pipe with jars and bumper sub, no success | | | | | | | | | | |
| 1200 | 1330 | 1.5 | | Back out of fish, circulate | | | | | | | | | | |
| 1330 | 1530 | 2 | | POH & lay out tools | | | | | | | | | | |
| 1530 | 1600 | 0.5 | | RIH open-ended to 236m | | | | | | | | | | |
| 1600 | 1700 | 1 | | Mix & pump 100 sacks cement over fish | | | | | | | | | | |
| 1700 | 1730 | 0.5 | | Pull back to 174m and circulate | | | | | | | | | | |
| 1730 | 1800 | 0.5 | | POH | | | | | | | | | | |
| 1800 | 1900 | 1 | | Wash out BOP's and Choke Manifold | | | | | | | | | | |
| 1900 | 2400 | 5 | | Wait on Cement | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | A/P | REPAIRS | CIRC | CMT | CUT | RIG | CORING | Handle Tools | |
| | | | 7 | | | | | 2.5 | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | | | | OTHER | | |
| | | | 1 | 3 | 5 | BOP | BOP | PIPE | FISHING | | | | 1 | |
| | | 24 | | | | | | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 1 | 15 | | 1 | 2 | 2 | | | | | | | | 21 |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs. 322.84m | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | Wait on cement, RIH & tag cement at 198m. Circulate while waiting on Halliburton unit to be repaired. | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | |
| 33519 | | | | 418001 | | | STRZELECKI | | | PAT SHERIDAN | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---------------------------------|---------|-------------------|---------|--|--------|--------------------------------|-------|---------------|-------|-----------|--------|--------------|-----|-------|
| WELL: LOY YANG 1 | | Date: 18 Oct 1994 | | Report No. 12 | | DFS: 11 | | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | LAST CASING: 9-5/8" at 181.75m | | | | | | | | |
| Depth @ 2400hrs: | | PBD 164m | | Progress: 0 | | Operation: Wait on Cement | | A'd TD: 1700m | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.2 | 48 | 19 | 17 | 3/5 | 11 | 5.2 | 1 | 33k | 400 | Trace | 4.4% | | 95.6% |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Gel | 10 | EZ Mud | 2 | Dextrid | 2 | BARITE | | |
| | | | 6.1% | 32.1k | ADDED | CMC HV | 8 | KCL | 84 | | | on hand: 264 | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| | | | | | | | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK | | |
| GD FZX 350 | | | | 6 x 12 | | JET | DP | DC | HHP | SPM | PSI | LOAD | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | Length BHA | | Survey | | Depth | | Angle | | |
| | | | | | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0530 | 5.5 | | Wait on Cement | | | | | | | | | | |
| 0530 | 0600 | 0.5 | | RIH, tag cement at 197.6m | | | | | | | | | | |
| 0600 | 0830 | 2.5 | | Circulate, wait on Halliburton unit to be repaired | | | | | | | | | | |
| 0830 | 0900 | 0.5 | | Mix & pump 63 sacks cement with 1.5% CaCl2 | | | | | | | | | | |
| 0900 | 0930 | 0.5 | | Pull back 30m and circulate clean | | | | | | | | | | |
| 0930 | 1030 | 1 | | POH, Flush BOP's | | | | | | | | | | |
| 1030 | 1400 | 3.5 | | Wait on cement | | | | | | | | | | |
| 1400 | 1500 | 1 | | RIH, tag top of cement at 187m, POH | | | | | | | | | | |
| 1500 | 1530 | 0.5 | | RIH open-ended to 187m | | | | | | | | | | |
| 1530 | 1600 | 0.5 | | Mix & pump 63 sacks cement | | | | | | | | | | |
| 1600 | 1630 | 0.5 | | Pulled back to 160m | | | | | | | | | | |
| 1630 | 1700 | 0.5 | | Circulate clean | | | | | | | | | | |
| 1700 | 1730 | 0.5 | | POH, Flush BOP's | | | | | | | | | | |
| 1730 | 2400 | 6.5 | | Wait on Cement | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | | TRIPS | SURVEYS | REPAIRS | RIG | AP | CIRC | CMT | CUT | RIG | Handle | | | |
| | | 3.5 | | | | | 1 | | | | Tools | | | |
| CASING | | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | FISHING | OTHER | | | | | |
| | | 1 | | 15.5 | BOP | BOP | PIPE | 4.5 | 3 | | | | 24 | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 1 | 15 | | 1 | 2 | 2 | | | | | | 21 | | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs. | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | Wait on cement, RIH & tag cement at 164m. Drill out cement to 188m | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | FORMATION: | | SUPERVISOR | | GEOLOGIST | | | | |
| 33347 | | | | 451348 | | STRZELECKI | | PAT SHERIDAN | | | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|--|----------|---|---------------------------|---------|--------------------------------|--------|---------------|--------------|-----------|--------|--------------|-------|-----------------------------|
| WELL: LOY YANG 1 | | | Date: 19 Oct 1994 | | | Report No. 13 | | | DFS: 12 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" at 181.75m | | | | | | | | |
| Depth @ 2400hrs: | | PBD 182m | Progress: 0 | Operation: Wait on Cement | | | | A'd TD: 1700m | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 280 |
| | 9.5 | 48 | 23 | 23 | 3/5 | 10 | 5.7 | 1 | 32.6k | 100 | Trace | 6.9% | 93.1% | |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Gel | 2 | EZ Mud | 2 | Barite | 200 | | | |
| | | | 6.1% | 31.8k | ADDED | CMC HV | 10 | KCL | 10 | S.Bicart | 10 | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 4 | 8-1/2" | L115 | 56951 | 3x14 | 188 | 203 | 15 | 6 | 2.5 | 2k | Motor | 1-1-1 | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK | | |
| GD FZX 350 | | 240 - | 350 - | 5.5x12 | 50 | JET | DP | DC | HHP | SPM | PSI | LOAD | | |
| NAT KSH 280 | | 300 | 475 | 5 x12 | 25 | | | | 57 | | | 35k# | | |
| B.H.Assy | Bit - DynaDrill - Bent Sub - x/o - 7 x 6.5" DC's - | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | | | |
| | - Jars - 2 x 6.5" DC's - 6 HWDP - x/o | | | | 35k# | 154.53m | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0100 | 1 | Wait on Cement | | | | | | | | | | | |
| 0100 | 0200 | 1 | RIH with bit & tag cement at 164m | | | | | | | | | | | |
| 0200 | 0400 | 2 | Dress off cement to 188m | | | | | | | | | | | |
| 0400 | 0430 | 0.5 | Circulate & displace hole to mud | | | | | | | | | | | |
| 0430 | 0500 | 0.5 | POH | | | | | | | | | | | |
| 0500 | 0700 | 2 | Make up DynaDrill & BHA, RIH | | | | | | | | | | | |
| 0700 | 0730 | 0.5 | Tag cement at 188m & circulate | | | | | | | | | | | |
| 0730 | 1330 | 6 | Begin Side-Track, drill to 203m, unable to make connection. Back ream in tight hole | | | | | | | | | | | |
| 1330 | 1400 | 0.5 | Pull back to 191m & circulate | | | | | | | | | | | |
| 1400 | 1530 | 1.5 | POH and lay down DynaDrill | | | | | | | | | | | |
| 1530 | 1600 | 0.5 | RIH open-ended to 203m | | | | | | | | | | | |
| 1600 | 1700 | 1 | Mix & pump 63 sacks cement w/ 1.5% CaCl2 | | | | | | | | | | | |
| 1700 | 1800 | 1 | Pull back to 167m, Hesitation squeeze 8 Bbls away, Max Pressure 225 psi | | | | | | | | | | | |
| 1800 | 1930 | 1.5 | Shut well in | | | | | | | | | | | |
| 1930 | 2000 | 0.5 | POH | | | | | | | | | | | |
| 2000 | 2030 | 0.5 | Flushed BOP's | | | | | | | | | | | |
| 2030 | 2400 | 3.5 | Wait on Cement | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT | CUT | RIG | Handle | | | | |
| | 6 | 6.5 | | | | 1.5 | 2 | | | Tools | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | | | | | OTHER | | |
| | 2 | | | 4.5 | BOP | BOP | PIPE | FISHING | | | | 1.5 | 24 | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 15 | | 1 | 2 | 2 | | | | | 1 | 23 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | | | | | | | | | | | |
| Depth at 0600 Hrs, | | | | | | | | | | | | | | |
| Wait on cement, RIH & tag cement at 182m. POH laying down pipe. | | | | | | | | | | | | | | |
| RIH with bit, wait on cement | | | | | | | | | | | | | | |
| DAILY COST | | | | | | | | | | | | | | |
| 26289 | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| | | | 477637 | | | STRZELECKI | | | PAT SHERIDAN | | | GUY HOLDGATE | | |

Capital Energy N.L Drilling Report

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|--|---|--------------|--|---|------------|---------------------------|------------|--------------------------------|------------|---------------|--------------|--------------|-------|-----------------------------|--|
| WELL: LOY YANG 1 | | | | Date: 20 Oct 1994 | | | | Report No. 14 | | | | DFS: 13 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | | | LAST CASING: 9-5/8" at 181.75m | | | | | | | |
| Depth @ 2400hrs: | | 194m | | Progress: 0 | | Operation: Wait on Cement | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 168 | |
| | 9.4 | 50 | 20 | 24 | 3 / 5 | 10 | 6.3 | 1 | 25 k | 40 | Trace | 6.2 | 93.8 | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 1 | EZ Mud | 2 | Barite | 112 | Sod Sulphite | | | |
| | | | 4.6 | 24.2k | ADDED | CMC HV | 1 | PAC-R | 1 | S.Bicart | 1 | | 5 | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| 4 | 8-1/2" | L115 | 56951 | 3x14 | | | | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | | |
| GD FZX 350 | | 240 - | 350 - | 5.5x 12 | 50 | JET | DP | DC | HHP | SPM | PSI | 35k# | | | |
| NAT KSH 280 | | 300 | 475 | 5 x12 | 25 | | | | | | | | | | |
| B.H.Assy | Bit - DynaDrill - Bent Sub - x/o - 7 x 6.5" DC's - - Jars - 2 x 6.5" DC's - 6 HWDP - x/o | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | | |
| | | | | | 35k# | | 154.53m | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0100 | 1 | RIH open-ended & tag cement at 182m | | | | | | | | | | | | |
| 0100 | 0130 | 0.5 | Circulate | | | | | | | | | | | | |
| 0130 | 0200 | 0.5 | POH laying down DP | | | | | | | | | | | | |
| 0200 | 0300 | 1 | RIH with bit to 156m | | | | | | | | | | | | |
| 0300 | 0600 | 3 | Wait on cement | | | | | | | | | | | | |
| 0600 | 0630 | 1 | RIH & tag cement at 182m | | | | | | | | | | | | |
| 0630 | 0700 | 0.5 | Dressed cement off to 186m | | | | | | | | | | | | |
| 0700 | 1030 | 3.5 | Wait on cement | | | | | | | | | | | | |
| 1030 | 1100 | 0.5 | Dressed cement off to 187m & circulate | | | | | | | | | | | | |
| 1100 | 1200 | 1 | POH | | | | | | | | | | | | |
| 1200 | 1330 | 1.5 | Make up DynaDrill and RIH | | | | | | | | | | | | |
| 1330 | 1400 | 0.5 | Circulate & prepare to kick-off | | | | | | | | | | | | |
| 1400 | 1700 | 3 | Commence Side-Track, drilled to 194m | | | | | | | | | | | | |
| 1700 | 2030 | 3.5 | Decision made to abandon well, POH laying down tools | | | | | | | | | | | | |
| 2030 | 2100 | 0.5 | RIH open-ended to 194m | | | | | | | | | | | | |
| 2100 | 2130 | 0.5 | Circulate & displace hole to mud with Sod Sulphite | | | | | | | | | | | | |
| 2130 | 2200 | 0.5 | Mix & pump 63 sacks cement | | | | | | | | | | | | |
| 2200 | 2230 | 0.5 | POH to 121m & circulate | | | | | | | | | | | | |
| 2230 | 2300 | 0.5 | Continue to POH | | | | | | | | | | | | |
| 2300 | 2400 | 1 | Prepare to Nipple down BOP's | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | |
| | | 3 | 10 | | | | 2 | | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | |
| | | 0.5 | | | 6.5 | 1 | | | | 1 | | 24 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 15 | | 1 | 2 | 2 | | | | | 1 | | 23 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs. | | | | | | | | | | | |
| | | | | Nipple down BOPE. RIH and tag cement at 140m. POH laying down pipe. | | | | | | | | | | | |
| | | | | Break out Bradenhead & cross-over | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | |
| 21858 | | 499495 | | | STRZELECKI | | | PAT SHERIDAN | | | GUY HOLDGATE | | | | |

Capital Energy N.L Drilling Report

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|---|--------|---------|--|---------------|-------------------|------------|------------|--------------------------------|-----------------|--------------|--------------|---------------|-------|----------------------|
| WELL: LOY YANG 1 | | | | | Date: 21 Oct 1994 | | | Report No. 15 | | DFS: 14 | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" at 181.75m | | | | | | |
| Depth @ 2400hrs: | | | Progress: | | Operation: | | | | | Rig Released | | A'd TD: 1700m | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| MBC | NITRTE | SULP | KCL | K+ | MUD | | | | | | | | | |
| | | | | | ADDED | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZX 350 | | | | 5.5x 12 | | JET | DP | DC | | SPM | PSI | | | |
| NAT KSH 280 | | | | 5 x 12 | | | | | | | | | | |
| B.H.Assy | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0200 | 2 | Nipple down Choke lines and valves. Wait on cement | | | | | | | | | | | |
| 0200 | 0230 | 0.5 | Tag cement at 140m | | | | | | | | | | | |
| 0230 | 0330 | 1 | POH laying down pipe | | | | | | | | | | | |
| 0330 | 0800 | 4.5 | Nipple down BOPE & remove Bradenhead | | | | | | | | | | | |
| 0800 | 0900 | 1 | Set surface cement plug. 20m to surface | | | | | | | | | | | |
| Rig Released at 0900 hrs, 21 October 1994 | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | |
| | 1.5 | | | | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | | |
| | 1 | | 2 | 4.5 | | | | | | | 9 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 8 | | 1 | | | | | | | | 11 | | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs. | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | CONTINUE TO RIG DOWN FOR MOVE TO NEW LOCATION | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| 62549 | | | 562044 | | | STRZELECKI | | | ANDY BACZKOWSKI | | | GUY HOLDGATE | | |

Capital Energy N.L Drilling Report

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|--|--------|-----------|---|-------------------------|------------------------|-------------------|---------|---------|-------------------|--------------|--------|------------------|---------------|-------|
| WELL: LOY YANG 1a | | | | Date: 31 Oct 1994 | Report No. 1 | DFS: 0 | | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | LAST CASING: 20" @ 17m | | | | | | | | | |
| Depth @ 2400hrs: | 33m | Progress: | 16m | Operation: | W.O.C | | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 8.5 | 50 | Spud mud | | 1 | | | | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Kwikse | 0 | Sawdust | 6m | Caustic | 0 | Mica(f) | BARITE | |
| | | | | | ADDED | EZ Mud | 4 | Lime | 1 | Pac-r | 0 | 20 | on hand: 328m | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| IRR1 | 17.5" | SDSC | kto490 | 3x23 | 17 | | 16m | 2 | 8 | 2 k# | 120 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | HHP | SPM | PSI | 20000# | | |
| NAT KSH 280 | | | | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | | |
| Bit, x-over, 2x8"DC, x-over | | | | 20000# | | 21.13m | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0700 | | | Complete rig repairs & modifications | | | | | | | | | | | |
| | | | Prepare to spud. | | | | | | | | | | | |
| | 1600 | 9 | Pre-Spud meeting with all personnel | | | | | | | | | | | |
| 1600 | 1730 | 1.5 | Spud Loy Yang 1a. @ 1600hrs. Drill from 17 to 26m, lose circulation | | | | | | | | | | | |
| 1730 | 1800 | 0.5 | Drill blind 26 to 33m | | | | | | | | | | | |
| 1800 | 1830 | 0.5 | P.O.H with bit | | | | | | | | | | | |
| 1830 | 1900 | 0.5 | R.I.H with open ended D.P to 26m | | | | | | | | | | | |
| 1900 | 1930 | 0.5 | Mix & pump 100 sacks class "A" cement with 2% calcium chloride | | | | | | | | | | | |
| 1930 | 2400 | 4.5 | Wait on Cement | | | | | | | | | | | |
| SPUD LOY YANG No 1a AT 1600 hrs, 30 Oct 1994. | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | D/LINE | SERVICE | CORING | Handle Tools | | | | |
| 2 | 1 | | | | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | | |
| | 0.5 | | 4.5 | | | | | | | 24 | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 15 | | 1 | 2 | 1 | | | | | | | 21 | |
| SUMMARY OF OPERATIONS | | | Depth at 33m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | W.O.C R.I.H & tag cement at 30.6m | | | | | | | | | | | |
| | | | P.O.H, R.I.H with D.P & set cement plug #2 | | | | | | | | | | | |
| | | | Pump L.C.M pills prior to both cement jobs | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| \$ | | | \$ | | | | | | ANDY BACZKOWSKI | | | JACK MULREADY | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|---------------------------------|--------|-------------|---|-------------------------|------------|-------------------|----------|------------------------|-------------------|-----------|--------------|------------------|-------|--|--|
| WELL: LOY YANG 1a | | | | Date: 31 Oct 1994 | | | | Report No. 2 | | | | DFS: 1 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 20" @ 17m | | | | | | | |
| Depth @ 2400hrs: 33m | | Progress: 0 | | Operation: W.O.C | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 328m | |
| | 8.5 | 50 | Spud mud | | 1 | | | | | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Kwikset | 0 | Sawdust | 6m | Caustic | 0 | Mica(f) | 20 | | |
| | | | | | ADDED | EZ Mud | 4 | Lime | 1 | Pac-r | 0 | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| | RR 1 | 17.5" | SDSC | KTO490 | 3x23 | 17 | 33 | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | SPM | PSI | 20 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | | | | | |
| Bit, x-over, 2x8"DC, x-over | | | | 20 k# | 21.13m | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0430 | 4.5 | Wait on Cement | | | | | | | | | | | | |
| 0430 | 0500 | 0.5 | R.I.H tag cement at 30.63m | | | | | | | | | | | | |
| 0500 | 0600 | 1 | Mix & spot L.C.M pill, mica(f) | | | | | | | | | | | | |
| 0600 | 0630 | 0.5 | R.I.H open ended D.P to 30.6m | | | | | | | | | | | | |
| 0630 | 0700 | 0.5 | Plug #2 100 sacks class A with 2% calcium chloride | | | | | | | | | | | | |
| 0700 | 1100 | 4 | Wait on Cement | | | | | | | | | | | | |
| 1100 | 1130 | 0.5 | R.I.H with bit, tag cement @ 25.13m. Attempt to fill hole, no success | | | | | | | | | | | | |
| 1130 | 1200 | 0.5 | P.O.H with bit. R.I.H open ended D.P. Pump LCM pill, Mica & Sawdust | | | | | | | | | | | | |
| 1200 | 1230 | 0.5 | Plug #3 - 100 sacks class A cement with 2% calcium @ 15.6 #/calcium | | | | | | | | | | | | |
| 1230 | 1500 | 2.5 | Wait on cement | | | | | | | | | | | | |
| 1500 | 1530 | 0.5 | Fill hole with 34 Bbls, Fluid level holding | | | | | | | | | | | | |
| 1530 | 1600 | 0.5 | R.I.H tag cement @ 22.33m | | | | | | | | | | | | |
| 1600 | 1730 | 1.5 | Drill cement 22.33 to 28.23m. lost full returns | | | | | | | | | | | | |
| 1730 | 1800 | 0.5 | Continue drilling blind 28.23m to 32.58m | | | | | | | | | | | | |
| 1800 | 1830 | 0.5 | P.O.H with bit. R.I.H open ended | | | | | | | | | | | | |
| 1830 | 1900 | 0.5 | Plug #4 100 sacks class A cement with 2% calcium chloride | | | | | | | | | | | | |
| 1900 | 2100 | 2 | Wait on cement | | | | | | | | | | | | |
| 2100 | 2130 | 0.5 | Attempt to fill hole, no success. R.I.H open-ended DP | | | | | | | | | | | | |
| 2130 | 2200 | 0.5 | Plug # 5, 100 sacks Class A with 2% calcium chloride | | | | | | | | | | | | |
| 2200 | 2400 | 2 | Wait on cement | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | |
| | 3 | | | | | 2 | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | 4 | | 15 | | | | | | | | | 24 | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | | 1 | 16 | | 1 | 2 | 2 | | | | | | | 22 | |
| SUMMARY OF OPERATIONS | | | Depth at 28.23m | | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | W.O.C R.H.I tag cement @ 28.84 attempt fill through Fill-up line | | | | | | | | | | | | |
| | | | Mix & pump L.C.M pill | | | | | | | | | | | | |
| | | | Run Plug # 6 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| \$ 21831 | | | \$ 114654 | | | | | | ANDY BACZKOWSKI | | | JACK MULREADY | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|--|--------|--------------|--|---------------------------|------------|----------|-------|------------------------|---------|-----------|---------------|-----------|--------------|-----------------------|--|
| WELL: LOY YANG 1a | | | | Date: 1 Nov 1994 | | | | Report No. 3 | | | | DFS: 2 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, F Bourne 5000 | | | | LAST CASING: 20" @ 17m | | | | | | | |
| Depth @ 2400hrs: 33m | | Progress: 0 | | Operation: Wait on Cement | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 328 | |
| Spud Mud | | | | | | | | | | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Mica F | 5 | Sawdust | 2m | | | | | | |
| | | | | | ADDED | EZ Mud | 8 | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 1 | 17.5" | SDSC | KTO490 | 3x23 | 17 | | 16m | | | | | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | SPM | PSI | 20 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | Survey | Depth | Angle | | | |
| Bit, x-over, 2x8"DC, x-over | | | | 20 k# | | | | 21.13m | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0030 | 0.5 | Attempt to fill hole, unable after 42 Bbls | | | | | | | | | | | | |
| 0030 | 0130 | 1 | RIH with bit & tag cement at 28.84m | | | | | | | | | | | | |
| 0130 | 0200 | 0.5 | POH, RIH open-ended, pump LCM pill | | | | | | | | | | | | |
| 0200 | 0230 | 0.5 | Plug # 6, 300 sacks Class A with 2% calcium chloride | | | | | | | | | | | | |
| 0230 | 0630 | 4 | Wait on cement | | | | | | | | | | | | |
| 0630 | 0700 | 0.5 | RIH with DP, tag at 28.5m | | | | | | | | | | | | |
| 0700 | 0730 | 0.5 | POH & RIH with bit | | | | | | | | | | | | |
| 0730 | 1030 | 3 | Drill cement with no returns from 28.5 to 32.5m | | | | | | | | | | | | |
| 1030 | 1100 | 0.5 | POH with bit | | | | | | | | | | | | |
| 1100 | 1300 | 2 | Cut window in 20" conductor | | | | | | | | | | | | |
| 1300 | 1330 | 0.5 | Pour 4.6 cu/m of ready-mix concrete down hole | | | | | | | | | | | | |
| 1330 | 1430 | 1 | RIH, tag concrete at 10.7m, lay out 8" DC's | | | | | | | | | | | | |
| 1430 | 1730 | 3 | Drill concrete from 10.7 to 28.5m, lost full returns, continue to drill to 32.5m | | | | | | | | | | | | |
| 1730 | 1900 | 1.5 | POH with bit, RIH open-ended DP | | | | | | | | | | | | |
| 1900 | 2000 | 1 | Plug # 7, 200 sacks Class A with 3% calcium chloride | | | | | | | | | | | | |
| 2000 | 2400 | 4 | Wait on cement | | | | | | | | | | | | |
| RKB - GL 3.50m | | | | | | | | | | | | | | | |
| Fluid level after plug No 7, 17m | | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | REPAIRS | CIRC | CMT | CUT | RIG | Handle Tools | | |
| | | | 5.5 | | | | | | .5 | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | | | | | | | |
| | | | 8 | | 8 | BOP | BOP | PIPE | FISHING | OTHERS | | 2 | 24 | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | 22 | | |
| | 1 | 16 | | 1 | 2 | 2 | | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs: 33m | | | | | | | | | | | |
| Wait on cement, weld up hole in conductor. | | | | | | | | | | | | | | | |
| Clean out concrete from cellar. Make up BHA | | | | | | | | | | | | | | | |
| RIH, tag cement at 20.5m, lay out 1 x 8" DC, drilling out cement | | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | |
| \$ 21264 | | \$ 135918 | | | | | | ANDY BACZKOWSKI | | | JACK MULREADY | | | | |

Capital Energy N.L Drilling Report

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|--|---------|---------------|--|----------------------------------|----------|-----------------|------------|------------------------|---------------|--------------|--------|-----------|-----------|----------------|-----|
| WELL: LOY YANG 1a | | | | Date: 2 Nov 1994 | | | | Report No. 4 | | | | DFS: 3 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 20" @ 17m | | | | | | | |
| Depth @ 2400hrs: 60m | | Progress: 27m | | Operation: Drilling 17-1/2" hole | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| Water - No Returns - Hi-Vis Sweeps | | | | | | | | | | | | | | | |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Sawdust 1m | | | | | | | | | 328 |
| | | | | | ADDED | EZ Mud 8 | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 1 | 17.5" | SDSC | KTO490 | 3x23 | 17 | | 43m | 5 | 8.6 | 2 k# | 130 | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 568 | 250 | 7.25x12 | 52 | JET | DP | DC | | SPM | PSI | 30 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | 52 | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | Survey | Depth | Angle | | | |
| Bit, x-over, 2x8"DC, x-over, 3 x 6.5" DC's | | | | 30 k# | | | | 60.42m | | | 33m | 1 | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0230 | 2.5 | Wait on cement | | | | | | | | | | | | |
| 0230 | 0300 | 0.5 | Repair leak in riser, fill hole | | | | | | | | | | | | |
| 0300 | 0430 | 1.5 | Make up BHA, RIH & tag cement at 20.5m, lay out 8" DC | | | | | | | | | | | | |
| 0430 | 0800 | 3.5 | Drill out cement from 20.5 to 26.16m | | | | | | | | | | | | |
| 0800 | 0830 | 0.5 | Pump LCM pill & POH. RIH with open-ended DP | | | | | | | | | | | | |
| 0830 | 0900 | 0.5 | Plug No 8, 200 sacks cement with 3% calcium chloride | | | | | | | | | | | | |
| 0900 | 1200 | 3 | Wait on cement | | | | | | | | | | | | |
| 1200 | 1300 | 1 | RIH & tag cement at 15.15m. Break down BHA & RIH to 15.15m | | | | | | | | | | | | |
| 1300 | 2030 | 7.5 | Drill cement from 15.15 to 33.13m. Lost returns at 26m | | | | | | | | | | | | |
| 2030 | 2400 | 3.5 | Drill 17-1/2" hole from 33 to 60m without returns | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | | |
| 3.5 | 3 | | | | 1 | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | 11.5 | 5.5 | | | | | | 0.5 | | | 24 | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 96m | | | | | | | | | | | | |
| Drilling to 96m. | | | | | | | | | | | | | | | |
| DAILY COST | | | | | | | | | | | | | | | |
| \$ | 18046 | COST TO DATE | | | \$ | 153964 | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| | | | | | | ANDY BACZKOWSKI | | | JACK MULREADY | | | | | | |

Capital Energy N.L Drilling Report

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|---|--------|-------|---|-------------------------|-------------------------|----------|------------|------------------------|---------|---------------|--------|---------------|-------|----------------|-----|
| WELL: LOY YANG 1a | | | | | Date: 3 Nov 1994 | | | Report No. 5 | | | DFS: 4 | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | | LAST CASING: 20" @ 17m | | | | | | | |
| Depth @ 2400hrs: | | 136m | Progress: 75.5m | | Operation: Trip | | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| | 8.6 | 67 | 6 | 28 | 3/4 | 8.0 | | | 32.5 k | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | KCL | 1054 | Pac-R | 9 | | | | | | 328 |
| | | | 6.1% | 31.9 k | ADDED | EZ Mud | 51 | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| | RR 1 | 17.5" | SDSC | KTO490 | 3x23 | | | 119 | 18 | 6.6 | 2 k# | 130 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 507 | 250 | 7.25x12 | 50 | JET | DP | DC | 41 | SPM | PSI | 42 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | 40 | | | | | | | | | | |
| B.H.Assy | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | | |
| Bit, Bit Sub, 2x8" DC, 2 x x/o, 9 x 6.5" DC's, 3 x HWDP | | | | | 42 k# | | 109m | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 1200 | 12 | Drill 17-1/2" hole from 60 to 135m | | | | | | | | | | | | |
| 1200 | 1300 | 1 | Wiper trip | | | | | | | | | | | | |
| 1300 | 1400 | 1 | Wash & ream from 124 to 135m | | | | | | | | | | | | |
| 1400 | 1500 | 1 | Drill from 135 to 136m | | | | | | | | | | | | |
| 1500 | 1630 | 1.5 | Hole tight 135 to 136m. Pump out single, work tight hole. Pump out to 124m. | | | | | | | | | | | | |
| 1630 | 1700 | 0.5 | Trip to shoe | | | | | | | | | | | | |
| 1700 | 1800 | 1 | Build mud volume | | | | | | | | | | | | |
| 1800 | 2030 | 2.5 | RIH to 124m, ream tight hole to 131.5m. Unable to pass 131.5m | | | | | | | | | | | | |
| 2030 | 2100 | 0.5 | POH, low on mud | | | | | | | | | | | | |
| 2100 | 2300 | 2 | Wait on mud delivery | | | | | | | | | | | | |
| 2300 | 2400 | 1 | Mix mud | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CMT | CUT | RIG | Handle | | | | | |
| 13 | | 4.5 | | | | | 2.5 | | | Tools | | | | | |
| CASING | | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | FISHING | OTHERS | | | | | | |
| | | | | | BOP | BOP | PIPE | | | 4 | 24 | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | 23 | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs: 136m | | | | | | | | | | | |
| Mix mud, wiper trip & ream tight hole | | | | | | | | | | | | | | | |
| DAILY COST COST TO DATE FORMATION: SUPERVISOR GEOLOGIST | | | | | | | | | | | | | | | |
| \$ | 42438 | \$ | 196402 | | | | | ANDY BACZKOWSKI | | | | JACK MULREADY | | | |

Capital Energy N.L Drilling Report

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|--|----------|-------|---|--|------------|------------------------------|-----------|------------------------|------------|---------------|--------------|-----------------|-------|------------------------------|--|
| WELL: LOY YANG 1a | | | | Date: 4 Nov 1994 | | | | Report No. 6 | | | | DFS: 5 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 20" @ 17m | | | | | | | |
| Depth @ 2400hrs: | | 136m | | Progress: 0 | | Operation: Rig to run casing | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 232 | |
| | 8.7 | 73 | 5 | 37 | 2/3 | 8.0 | | | 34.6 k | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | KCL | 452 | Pac-R | 7 | Sod Ash 2 | | | | | |
| | | | 6.5% | 33.8k | ADDED | EZ Mud | 10 | Barite | 87 | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 1 | 17.5" | SDSC | KTO490 | 3x23 | 17 | 136 | 119 | 18 | Reaming | | | 4 - 2 - I | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | SPM | PSI | 42 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| Bit, Bit Sub, 2x8"DC, 2 x x/o, 9 x 6.5" DC's, 3 x HWDP | | | | | | | | 42 k# | 109m | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0030 | 0.5 | Continue to mix mud | | | | | | | | | | | | |
| 0030 | 0400 | 3.5 | RIH, ream bridges at 22, 60, 76, & 93m | | | | | | | | | | | | |
| 0400 | 0500 | 1 | Mix & pump 10ppg Hi-Vis pill on bottom | | | | | | | | | | | | |
| 0500 | 0530 | 0.5 | Wiper trip, over-pull at 96, 68, 60m | | | | | | | | | | | | |
| 0530 | 0600 | 0.5 | RIH, ream tight hole at 118m | | | | | | | | | | | | |
| 0600 | 0630 | 0.5 | Pump Hi-Vis 10ppg pill | | | | | | | | | | | | |
| 0630 | 0800 | 1.5 | Ream from 118 to 136m | | | | | | | | | | | | |
| 0800 | 0830 | 0.5 | Spot Hi-Vis 10ppg pill on bottom | | | | | | | | | | | | |
| 0830 | 0930 | 1 | POH | | | | | | | | | | | | |
| 0930 | 1200 | 2.5 | Rig up to run casing | | | | | | | | | | | | |
| 1200 | 1530 | 3.5 | Run 13-3/8" casing, unable to pass 21m | | | | | | | | | | | | |
| 1530 | 1630 | 1 | POH and lay out casing | | | | | | | | | | | | |
| 1630 | 1730 | 1 | Lay out casing tools | | | | | | | | | | | | |
| 1730 | 1800 | 0.5 | Make up BHA, RIH & ream from 21 to 34m | | | | | | | | | | | | |
| 1800 | 1930 | 1.5 | POH, pick up Stabiliser just above bit, RIH | | | | | | | | | | | | |
| 1930 | 2030 | 1 | Ream tight hole from 17 to 34m | | | | | | | | | | | | |
| 2030 | 2200 | 1.5 | POH, change Stabiliser to 9m above bit, RIH | | | | | | | | | | | | |
| 2200 | 2230 | 0.5 | Ream from 17 to 34m | | | | | | | | | | | | |
| 2230 | 2300 | 0.5 | POH | | | | | | | | | | | | |
| 2300 | 2400 | 1 | Pick up casing tools | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | D/LINE | SERVICE | CORING | Handle Tools | | | | |
| | | 6 | | | | 2 | 6.5 | | | | 4.5 | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | |
| | 4.5 | | | | | | | | 0.5 | | | 24 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | 23 | | | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs: 136m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | Unable to get casing past 36m. POH with casing, Make up BHA & ream tight spots | | | | | | | | | | | |
| DAILY COST | | | | COST TO DATE | | | | FORMATION: | | | | SUPERVISOR | | GEOLOGIST | |
| \$ | | | | \$ | | | | | | | | ANDY BACZKOWSKI | | JACK MULREADY | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|--|---------------------|-------------|--|------------------------------|-------------------------|-------------|-----------|----------|-------------------|-------------------------------|--------|--------------|------------------|----------------|--|
| WELL: LOY YANG 1a | | | | | Date: 5 Nov 1994 | | | | | Report No. 7 | | | DFS: 6 | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | |
| Depth @ 2400hrs: 136m | | Progress: 0 | | Operation: Top-up cement job | | | | | A'd TD: 1700m | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| | 8.6 | 64 | 7 | 28 | 2/2 | 8.0 | | | 31.7 k | | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | KCL | 348 | Pac-R | 10 | Gel | 44 | | | 136 | |
| | | | 6.0% | 31.6 k | ADDED | EZ Mud | 10 | Barite | 96 | S.Bicart 4 | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| | RR 1 | 17.5" | SDSC | KTO490 | 3x23 | 17 | 136 | 119 | 18 | Reaming | | | 4 - 2 - 1 | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | SPM | PSI | 42 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| Bit, Bit Sub, 2x8"DC, 2 x x/o, 9 x 6.5" DC's, 3 x HWDP | | | | | | | | 42 k# | 109m | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0200 | 2 | RIH with 13-3/8" casing, unable to pass 34.5m. | | | | | | | | | | | | |
| 0200 | 0430 | 2.5 | POH with casing, lay down same | | | | | | | | | | | | |
| 0430 | 0500 | 0.5 | Make up BHA & RIH, tight at 34m | | | | | | | | | | | | |
| 0500 | 1100 | 6 | Ream from 35 to 50m, 68 to 74m, 86 to 136m | | | | | | | | | | | | |
| 1100 | 1200 | 1 | Circulate & condition mud, Spot 40 Bbl Hi-Vis 10ppg pill. | | | | | | | | | | | | |
| 1200 | 1400 | 2 | POH laying down pipe due to bad weather | | | | | | | | | | | | |
| 1400 | 1530 | 1.5 | Pick up casing tools | | | | | | | | | | | | |
| 1530 | 1730 | 2 | Run 10 joints 13-3/8" casing to 116m. Hole tight, make circulating head | | | | | | | | | | | | |
| 1730 | 1930 | 2 | Circulate & attempt to wash casing down. Unable to pass 114.6m | | | | | | | | | | | | |
| 1930 | 2030 | 1 | Head up to cement | | | | | | | | | | | | |
| 2030 | 2200 | 1.5 | Mix & pump 173 sacks Lead cement, 210 sacks Tail cement and displace. Bump plug to 1000psi | | | | | | | | | | | | |
| 2200 | 2400 | 2 | Prepare stinger for top-up cement job | | | | | | | | | | | | |
| Wind at 40 - 50 knots from 0400 hrs and still high at 0600 hrs 6/11/94 Gusts up to 70 knots | | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | |
| | | 2.5 | | | | | 1 | 6 | | | | 1.5 | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | |
| | 8.5 | 2.5 | | | | | | | 2 | | | | 24 | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | 23 | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs: 136m | | | | | | | | | | | |
| Mix & pump 150 sacks to top-up annulus between 13-3/8"/20" casings. | | | | | | | | | | | | | | | |
| Wait on cement, mix & pump another 50 sacks to get cement to surface. | | | | | | | | | | | | | | | |
| DAILY COST | | | | | | | | | | | | | | | |
| \$ | COST TO DATE | | | | FORMATION: | | | | SUPERVISOR | | | | GEOLOGIST | | |
| | | | | | | | | | ANDY BACZKOWSKI | | | | JACK MULREADY | | |

Capital Energy N.L Drilling Report

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|---|--------|-------------|---|-------------------------------|--------------|-----------------------|---------|-------------------------------|-----------------|----------------------|--------|--------------------|-------|-----------------------------|--|
| WELL: LOY YANG 1a | | | | Date: 6 Nov 1994 | | | | Report No. 8 | | | | DFS: 7 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: 136m | | Progress: 0 | | Operation: Re-fit Bell Nipple | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 136 | |
| MBC | NITRTE | SULP | KCL | K+ | MUD ADDED | | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY JET DP DC | | | Bit HHP | HALF RATE SPM PSI | | HOOK LOAD k# | | | |
| GD FZK 350 | | | | 7.25x12 | | | | | | | | | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | Length BHA | | Survey | | Depth | | Angle | | | |
| | | | | k# | | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0130 | 1.5 | Rig up stinger. mix & pump 150 sacks cement to get cement to surface in 13-3/8"/20" annulus | | | | | | | | | | | | |
| 0130 | 0600 | 4.5 | Wait on cement | | | | | | | | | | | | |
| 0600 | 1930 | 13.5 | Repair main rig motor & hydraulic pump to rotary. Repair mud pump motor | | | | | | | | | | | | |
| 1930 | 2030 | 1 | Make up BHA | | | | | | | | | | | | |
| 2030 | 2130 | 1 | Fit Bell Nipple & Flow-line | | | | | | | | | | | | |
| 2130 | 2400 | 2.5 | Re-build Bell Nipple | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT | CUT | RIG | Handle | | | | | | |
| | 1.5 | | 13.5 | | | | | | Tools | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | 1.5 | | 4.5 | 3 | | | | | | 24 | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 136m | | | | | | | | | | | | |
| Re-build Bell Nipple. RIH & tag cement at 100.4m. | | | | | | | | | | | | | | | |
| Hydraulic drive for rotary broken down. | | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| \$ 13443 | | | \$ 282695 | | | | | | ANDY BACZKOWSKI | | | JACK MULREADY | | | |

Capital Energy N.L Drilling Report

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|---|---------|--------------|--|---|-------------------------|--------------------|-----------------|--------------|------------|-------------------------------|---------------|-----------------|-------|-----------------------------|--|
| WELL: LOY YANG 1a | | | | | | | | | | Date: 7 Nov 1994 | | Report No. 9 | | DFS: 8 | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | |
| Depth @ 2400hrs: | | 162m | | Progress: 26m | | Operation: Fishing | | | | | A'd TD: 1700m | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 136 | |
| | 8.9 | 66 | 6 | 31 | 3 / 5 | 8.5 | 14.5 | | 34 k | | | | | | |
| MBC | NITRITE | SULP | KCL | K+ | MUD | EZ Mud | 7 | Pac-R | 2 | | | | | | |
| | | | 6.3% | 33.1.k | ADDED | KCL | 80 | Gel | 20 | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 NAT KSH 280 | | 448 | 400 | 7.25x12 5.5x12 | 64 | 152 | 82 | 124 | 46 | | | 41 k# | | | |
| B.H.Assy | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| Bit - Bit Sub - 2 x 8" DC - Stab - x/o - 9 x 6.5" DC's - HWDP | | | | | | | | 35 k# | 102m | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0300 | 3 | Re-build Bell Nipple & Flow-line | | | | | | | | | | | | |
| 0300 | 0430 | 1.5 | RIH & tag cement at 100.4m | | | | | | | | | | | | |
| 0430 | 0500 | 0.5 | Attempt to drill out cement, Rotary drive down | | | | | | | | | | | | |
| 0500 | 0730 | 2.5 | Repair Hydraulic drive for rotary drive | | | | | | | | | | | | |
| 0730 | 0800 | 0.5 | Survey at 95m, 0 deg | | | | | | | | | | | | |
| 0800 | 1130 | 3.5 | Drill out cement, float collar & shoe at 114.6m | | | | | | | | | | | | |
| 1130 | 1200 | 0.5 | Displace hole to mud | | | | | | | | | | | | |
| 1200 | 1300 | 1 | Ream hole to 136m | | | | | | | | | | | | |
| 1300 | 1330 | 0.5 | Circulate, change out shaker screen | | | | | | | | | | | | |
| 1330 | 1630 | 3 | Drill 12-1/4" hole from 136 to 153m | | | | | | | | | | | | |
| 1630 | 1800 | 1.5 | Jets plugged, POH & clear jets, RIH | | | | | | | | | | | | |
| 1800 | 1830 | 0.5 | Wash from 140 to 153m | | | | | | | | | | | | |
| 1830 | 1930 | 1 | Drill 12-1/4" hole from 153 to 162.29m | | | | | | | | | | | | |
| 1930 | 2230 | 3 | Pipe stuck whilst making connection, work pipe | | | | | | | | | | | | |
| 2230 | 2400 | 1.5 | Make mechanical back-off, POH with 5 HWDP and 3 6.5" DC's. | | | | | | | | | | | | |
| | | | Make up Drilling jars, RIH and tag fish at 71.62m | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT | CUT | RIG | CORING | Handle Tools | | | |
| | | 4 | 3 | .5 | 3 | | 1 | 1.5 | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | 24 | | |
| | | | 3.5 | | | 3 | | 3 | 1.5 | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | 23 | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | | | | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs: 162m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | RIH with fishing Assy. Make up to fish and work jars on fish. | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | | |
| \$ | | \$ | | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | | | | |

Capital Energy N.L Drilling Report

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|---------------------------------|------------------|---------------|---------|
| WELL: LOY YANG 1a | Date: 9 Nov 1994 | Report No. 11 | DFS: 10 |
|---------------------------------|------------------|---------------|---------|

| | | |
|---------------------------------|-------------------------|-------------------------------|
| AREA or FIELD: Victoria PEP 124 | RIG: RWC, R Bourne 5000 | LAST CASING: 13-3/8" @ 114.6m |
|---------------------------------|-------------------------|-------------------------------|

| | | | |
|-----------------------|---------------|----------------------------|---------------|
| Depth @ 2400hrs: 162m | Progress: 26m | Operation: Jarring on fish | A'd TD: 1700m |
|-----------------------|---------------|----------------------------|---------------|

| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
|-----|--------|------|------|--------|-------|--------|-----|--------|------|---------|------|--------|-------|----------------|
| | 9.1 | 56 | 20 | 16 | 3 / 3 | 9.5 | 20 | | 39 k | 80 | | 4.6% | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | EZ Mud | | Pac-R | | Caustic | | | | |
| | | | 7.5% | 39.6 k | ADDED | KCL | 3 | Gel | 8 | | | | | 136 |

| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION |
|---------|---------|------|-------|--------|-----|-----|----|-----|-----|-------|-----|-----------|
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | |

| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE SPM | PSI | HOOK LOAD |
|-------------|--|-----|-----|---------------|-----|----------|----|----|---------|---------------|-----|-----------|
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | | | 41 k# |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | |

| B.H.Assy | BHA WT | Length BHA | Survey | Depth | Angle |
|---|--------|------------|--------|-------|-------|
| Fishing Assy: Jars - 3 x 6.5" DC's - HWDP | 35 k# | 102m | | | |

| OPERATIONS | | | |
|------------|------|------|--|
| START | TO | TIME | |
| 0001 | 0330 | 3.5 | Jarring on fish, no rotary drive available |
| 0330 | 0430 | 1 | Rotary table repaired, Jar down & apply torque, able to rotate, not able to circulate freely |
| 0430 | 1800 | 13.5 | Rotary drive down, jar on fish |
| 1800 | 2400 | 6 | Rotary drive available, apply torque & jar on fish |
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| TIME BREAKDOWN: | | | | | | | | | | | | | Handle Tools | | |
|-----------------|----------|-------|---------|---------|------------|----------|-----------|------------|-------------|--------|--|--|--------------|--|--|
| | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | | | | | |
| | | | | | 17 | | | | | | | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | 24 | | |
| | | | | | | 7 | | | | | | | | | |

| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | |
|-----------|-----|-----|------|-----|-------|------|-------|-------|-------|------|--------|----|
| | 2 | 17 | | 1 | 2 | 1 | | | | | | 23 |

SUMMARY OF OPERATIONS SINCE 2400 TO 0600
 Depth at 0600 Hrs: 162m
 Jar on stuck pipe. Arrange wash pipe, attempt mechanical back-off.

| DAILY COST | COST TO DATE | FORMATION: | SUPERVISOR | GEOLOGIST |
|------------|--------------|------------|-----------------|--------------|
| \$ 8316 | \$ 319422 | Strzelecki | ANDY BACZKOWSKI | JOHN GAUSDEN |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|---------------|----------------------|--------------|----------------------------------|--------------------------------|---------------------------------|----------------------|--------------------------------------|---------------|------------------|--------------|------------------|--------------|-----------------------|
| WELL: LOY YANG 1a | | | | | Date: 10 Nov 1994 | | Report No. 12 | | | DFS: 11 | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | |
| Depth @ 2400hrs: 162m | | Progress: 26m | | Operation: Wash-over fish | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| | 10.0 | 56 | 12 | 50 | 5 / 12 | 9.5 | 8.2 | | 56.6 k | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | EZ Mud Pac-R 7 Caustic 1 | | | | | | | | |
| | | | 10.8% | 56.8 k | ADDED | KCL | 139 | Gel | 32 | Barite | 192 | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | HHP | SPM | PSI | 41 k# | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| Fishing Assy: Jars - 3 x 6.5" DC's - HWDP | | | | | | | 35 k# | 102m | | | | | | |

| OPERATIONS | | | |
|------------|------|------|---|
| START | TO | TIME | |
| 0001 | 0500 | 5 | Jarring on fish |
| 0500 | 0900 | 4 | Mechanical back-off, backed off at rotary table twice, then POH with 3 HWDP & 1 x 6.5" DC |
| 0900 | 1000 | 1 | Slip & cut drilling line |
| 1000 | 1030 | 0.5 | RIH, screw into fish & torque up. |
| 1030 | 1400 | 3.5 | Mechanical back-off, POH with 3 HWDP - 3 x 6.5" DC - 1 D/Jar - 4 x 6.5" DC's |
| 1400 | 1430 | 0.5 | Pick up wash-over pipe |
| 1430 | 1600 | 1.5 | RIH with W/over pipe to 85m |
| 1600 | 1630 | 0.5 | Fill hole & establish circulation, stabilise mud weight at 10ppg |
| 1630 | 2400 | 7.5 | Wash-over from 85 to 117m |
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|------------------------|-----------------|--------------|----------------|----------------|--------------------|-----------------|------------------|-------------------|--------------------|---------------|---------------------|----|
| TIME BREAKDOWN: | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | |
| | | 2 | | | | 5 | | 1 | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | |
| | | | | | | 5 | | | | 15.5 | 24 | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | |
| | 2 | 17 | | 1 | 2 | 1 | | | | | | 23 |

| | | | | | | | | | | | |
|------------------------------|---------------------|--|--|--|--|-------------------|--|--|------------------|--|--|
| SUMMARY OF OPERATIONS | | Depth at 0600 Hrs: 162m | | | | | | | | | |
| SINCE 2400 TO 0600 | | Wash-over to 124.11m. Tag Stabiliser. POH with W/over string | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| DAILY COST | COST TO DATE | FORMATION: | | | | SUPERVISOR | | | GEOLOGIST | | |
| \$ | \$ | Strzelecki | | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | |

Capital Energy N.L Drilling Report

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|---|---------|---------|--|-------------------------|----------|---------------------------|-----------------|-------------------------------|---------|---------------|--------|-----------|-------|----------------|--|
| WELL: LOY YANG 1a | | | | Date: 11 Nov 1994 | | | | Report No. 13 | | | | DFS: 12 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: | | 162m | | Progress: 26m | | Operation: Wash-over fish | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| | 10.0 | 79 | 10 | 68 | 4/7 | 8.7 | 6.2 | | 57.6 k | 140 | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | EZ Mud | Pac-R | Caustic 2 | | | | | | | |
| | | | 10.8% | 56.8 k | ADDED | KCL | Gel | Barite 104 | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | | | 7.25x12 | | JET | DP | DC | | SPM | PSI | 41 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | Survey | Depth | Angle | | | |
| | | | | k# | | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0330 | 3.5 | Continue to wash over fish to 124.11m. tag Stabiliser. Circulate | | | | | | | | | | | | |
| 0330 | 0400 | 0.5 | POH to 105m | | | | | | | | | | | | |
| 0400 | 0500 | 1 | Allow well to stabilise | | | | | | | | | | | | |
| 0500 | 0530 | 0.5 | RIH to 124.11m. No fill | | | | | | | | | | | | |
| 0530 | 0600 | 0.5 | Circulate | | | | | | | | | | | | |
| 0600 | 0730 | 1.5 | POH & lay down Wash Pipe | | | | | | | | | | | | |
| 0730 | 0800 | 0.5 | Lay out tools | | | | | | | | | | | | |
| 0800 | 1100 | 3 | RIH servicing all tool joints | | | | | | | | | | | | |
| 1100 | 1200 | 1 | Make up to fish and torque up | | | | | | | | | | | | |
| 1200 | 2100 | 9 | Work jars & apply torque, moved fish up 2.4m | | | | | | | | | | | | |
| 2100 | 2400 | 3 | Rotating free, work pipe and attempt to regain circulation | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | CUT | RIG | | Handle Tools | | | | | |
| | 5.5 | | | | .5 | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | | | | | | | 18 | | | 24 | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 1 | 16 | | 1 | 2 | 1 | | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 162m | | | | | | | | | | | | |
| Continue to work pipe & attempt to get circulation. Rotary stalled out. Stuck | | | | | | | | | | | | | | | |
| Rig to run Schlumberger back-off | | | | | | | | | | | | | | | |
| DAILY COST COST TO DATE FORMATION: SUPERVISOR GEOLOGIST | | | | | | | | | | | | | | | |
| \$ | 18367 | \$ | 350019 | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|---|--------|---------------|---|-------------------------|----------|-------------------|------------|-------------------------------|-------------------|--------------|--------|------------------|-------|----------------|--|
| WELL: LOY YANG 1a | | | | Date: 12 Nov 1994 | | | | Report No. 14 | | DFS: 13 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: 162m | | Progress: 26m | | Operation: RIH | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| | 10.0 | 63 | 13 | 48 | 5 / 10 | 9.0 | 5.7 | | 48.6 k | 80 | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | EZ Mud | | Pac-R | 19 | Caustic | 2 | | | | |
| | | | 9.2% | 48.1 k | ADDED | KCL | 95 | Gel | 48 | Barite | 320 | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| | RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 560 | 225 | 7.25x12 | 80 | JET | DP | DC | | SPM | PSI | 41 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| W/Over Assy: W/O shoe - 3 x 9-1/4" x 8-1/4" ID wash pipe - Drive Sub - HWDP | | | | | | | | k# | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0100 | 1 | Continue to rotate, idle pump to attempt to regain circulation. Rotary stalled out | | | | | | | | | | | | |
| 0100 | 0130 | 0.5 | Jar pipe, unable to move | | | | | | | | | | | | |
| 0130 | 0230 | 1 | Rig up Schlumberger | | | | | | | | | | | | |
| 0230 | 0830 | 6 | Attempt to torque up for back-off, backed off twice. Torque up to the right, back-off at 122.65m | | | | | | | | | | | | |
| 0830 | 0930 | 1 | POH, retrieve Stabiliser | | | | | | | | | | | | |
| 0930 | 1000 | 0.5 | Rig down Schlumberger | | | | | | | | | | | | |
| 1000 | 1100 | 1 | Pick up W/Over tools | | | | | | | | | | | | |
| 1100 | 1230 | 1.5 | RIH | | | | | | | | | | | | |
| 1230 | 2100 | 8.5 | Wash from 112 to 123m. Wash over fish from 123 to 132m | | | | | | | | | | | | |
| 2100 | 2200 | 1 | Unable to wash over past 132m | | | | | | | | | | | | |
| 2200 | 2300 | 1 | POH, allow well to stand | | | | | | | | | | | | |
| 2300 | 2400 | 1 | RIH | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | | |
| | 4.5 | | | | | | | | | 1 | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | | 7.5 | | | | | 11 | | | 24 | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 1 | 16 | | 1 | 2 | 1 | | 2 | | | | | 23 | | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs: 162m | | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | RIH with W/Over pipe, wash to 132m. POH, RIH with Over-Shot, work over fish, no success. Change grapple | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| \$ 28040 | | | \$ 378049 | | | Strzelecki | | | ANDY BACZKOWSKI | | | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|---|---------|---------------|---|-------------------------|-------------|------------|---------|-------------------------------|-------------|-----------|--------------|-----------|-------|----------------|----------------|
| WELL: LOY YANG 1a | | | | Date: 13 Nov 1994 | | | | Report No. 15 | | | | DFS: 14 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: 162m | | Progress: 26m | | Operation: Fishing | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| | 10.0 | 55 | 10 | 55 | 5 / 10 | 9.3 | 5.8 | | 45.4 k | 40 | | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Barite | 500kg | | | | | | | | Barite on hand |
| | | | 8.6% | 45k | ADDED | KCL | 14 | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 560 | 225 | 7.25x12 | 80 | JET | DP | DC | | SPM | PSI | 41 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | | | BHA WT | | Length BHA | | Survey | | Depth | | Angle | | | |
| Over-Shot with spiral grapple | | | | k# | | | | | | | | | | | |
| Drive Sub - HWDP | | | | | | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0030 | 0.5 | Wash from 119 to 120m & continue in hole | | | | | | | | | | | | |
| 0030 | 0130 | 1 | POH with Wash-Over pipe | | | | | | | | | | | | |
| 0130 | 0300 | 1.5 | Make up Over-Shot | | | | | | | | | | | | |
| 0300 | 0430 | 1.5 | Tag top of fish at 122.65m and attempt to latch on | | | | | | | | | | | | |
| 0430 | 0630 | 2 | POH and change grapple, RIH | | | | | | | | | | | | |
| 0630 | 0830 | 2 | Attempt to latch onto fish | | | | | | | | | | | | |
| 0830 | 1130 | 3 | POH with O/Shot, Pick up bit & RIH | | | | | | | | | | | | |
| 1130 | 1200 | 0.5 | Tag fish at 124m, circulate | | | | | | | | | | | | |
| 1200 | 1330 | 1.5 | POH and lay out bit | | | | | | | | | | | | |
| 1330 | 1500 | 1.5 | Pick up O/Shot & RIH | | | | | | | | | | | | |
| 1500 | 1530 | 0.5 | Make up to fish | | | | | | | | | | | | |
| 1530 | 1600 | 0.5 | Circulate on fish | | | | | | | | | | | | |
| 1600 | 1830 | 2.5 | Attempt to POH with fish, lose fish. POH, part of grapple missing | | | | | | | | | | | | |
| 1830 | 2200 | 3.5 | RIH with O/Shot & latch on | | | | | | | | | | | | |
| 2200 | 2400 | 2 | Attempt to disengage from fish, pipe free going down | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | | |
| | | | | | | | 24 | | | | | 24 | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 1 | 17 | | 1 | 2 | 1 | | | | | | 23 | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 162m | | | | | | | | | | | | |
| Work pipe and establish circulation, rotate OK. | | | | | | | | | | | | | | | |
| Work pipe out of hole 9m by 0600 hrs. | | | | | | | | | | | | | | | |
| DAILY COST COST TO DATE FORMATION: SUPERVISOR GEOLOGIST | | | | | | | | | | | | | | | |
| \$ | | \$ | | Strzelecki | | | | ANDY BACZKOWSKI | | | | | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|--|---------|-----------|--|-------------------|-------------------------|-------------------------------|---------------|------------|-----------------|-----------|--------------|-----------|-------|----------------|
| WELL: LOY YANG 1a | | | | | Date: 14 Nov 1994 | Report No. 16 | DFS: 15 | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | LAST CASING: 13-3/8" @ 114.6m | | | | | | | | |
| Depth @ 2400hrs: 162m | | Progress: | Operation: Wait on cement | | | | A'd TD: 1700m | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| | 10.0 | 61 | 10 | 55 | 5/10 | 9.3 | 5.8 | | 45.4 k | 40 | | | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | | | | | | | | | |
| | | | 8.6% | 45k | ADDED | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| RR 2 | 12-1/4" | L114 | 87665 | 3 x 20 | 136 | | 26 | 4 | 6.5 | 15 k# | 110 | 3 - 2 - I | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 NAT KSH 280 | | 560 | 225 | 7.25x12 5.5x12 | 80 | JET | DP | DC | HHP | SPM | PSI | 41 k# | | |
| B.H.Assy | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | | | |
| | | | | | k# | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 1200 | 12 | Unable to work Weight down to disengage from fish. Kelly free going down. Establish rotating and circulating 8 - 10 SPM with 200-400 psi. Work pipe & back ream. Gain 9m by 0600 hrs. Continue as above. pipe free. POH with fish. | | | | | | | | | | | |
| 1200 | 2100 | 9 | Repair rig. Repairs to: Rotary drive, Mud pump motors, Rig Motor, Mix pump motors, Swivel wash-pipe, Hook Block, Weight Indicator, Tong Jaws, Trip Tank Indicator, Choke Manifold, install escape line. | | | | | | | | | | | |
| 2100 | 2200 | 1 | RIH open-ended to 130m | | | | | | | | | | | |
| 2200 | 2300 | 1 | Mix & pump 75 sacks cement with 2% calcium chloride | | | | | | | | | | | |
| 2300 | 2400 | 1 | Wait on cement | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | |
| | 1 | | 9 | | | | | | | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | 24 | | |
| | 1 | | 1 | | | | 12 | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 1 | 16 | | 1 | 2 | 2 | | | | | | 22 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 162m | | | | | | | | | | | |
| WOC. Make up BHA, RIH & tag cement at 125m. Fill hole, holding OK. | | | | | | | | | | | | | | |
| POH laying down DP. | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| \$ 18168 | | | \$ 413836 | | | Strzelecki | | | ANDY BACZKOWSKI | | | | | |

Capital Energy N.L. Drilling Report

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|---|---------|------|--|---------------|----------------------------------|-------------------|-------------------------------|----------|-------------------|-----------|--------|------------------|--------|-----------------------|
| WELL: LOY YANG 1a | | | | | Date: 15 Nov 1994 | | Report No. 17 | | DFS: 16 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: | | 168m | Progress: | 6m | Operation: Drilling 12-1/4" hole | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| | 10.0 | 47 | 14 | 53 | 6/7 | 10.5 | 6.4 | 1 | 46.5k | 40 | Trace | 9.5% | 90.5% | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 15 | Mica F | 3 | Pac_R | 1 | | | |
| | | | 8.4% | 44,1k | ADDED | Barite | 5t | CmcHv | 2 | BiCarb | 13 | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| RR 2 | 12-1/4" | L114 | 87665 | Open | 136 | | 32 | 5 | 6.4 | 8-10 k# | 120+ | In | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | 490 | 425 | 7.25x12 | 70 | JET | DP | DC | 7.2 | SPM | PSI | 37 k# | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | | | | | BHA WT | Length BHA | | Survey | Depth | Angle | | | | |
| Bit - Bit Sub - 2 x 8" DC's - 1 x/o - 6 x 6.5" DC's - Jars - 3 x 6.5" DC's - HWDP | | | | | 31.5 k# | 105.47m | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0300 | 3 | Wait on Cement, make up BHA | | | | | | | | | | | |
| 0300 | 0330 | 0.5 | RIH open ended DP, tag cement at 125m | | | | | | | | | | | |
| 0330 | 0430 | 1 | POH laying down DP | | | | | | | | | | | |
| 0430 | 0800 | 3.5 | RIH, servicing BHA, re-position jars | | | | | | | | | | | |
| 0800 | 1200 | 4 | Repair Weight Indicator | | | | | | | | | | | |
| 1200 | 0330 | 3.5 | Drill out cement from 125 to 142m | | | | | | | | | | | |
| 1330 | 1530 | 2 | Ream & wash rat hole to 154m | | | | | | | | | | | |
| 1530 | 1630 | 1 | Pull to shoe, 30k# over at 144m. Pick up Kelly and work tight hole | | | | | | | | | | | |
| 1630 | 1700 | 2.5 | Pull to shoe | | | | | | | | | | | |
| 1700 | 1900 | 2 | Repair Weight Indicator, raise mud weight from 9.7 to 10.0ppg | | | | | | | | | | | |
| 1900 | 2300 | 4 | RIH to 154m. OK. Pull back to 162.29m | | | | | | | | | | | |
| 2300 | 2400 | 1 | Drilling 12-1/4" hole from 162 to 168m | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P | CIRC | REAM | CUT | RIG SERVICE | CORING | Handle Tools |
| | | | 1 | 10.5 | | 6 | | | | 2 | | | | |
| | | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | |
| | | | | 1.5 | | 3 | | | | | | | 24 | |
| PERSONNEL | | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | |
| | | | 2 | 16 | | 1 | 2 | 1 | | | | | | 22 |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: | | 184m | | | | | | | | | |
| | | | Drilling 12-1/4" hole to 184m | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| \$ 15315 | | | \$ 429151 | | | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | |

Capital Energy N.L Drilling Report

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|--|---------|--------------|---|-------------------------|------------|-----------------------------|----------|-------------------------------|------------|---------------|--------------|-----------|-------|-----------------------------|--|
| WELL: LOY YANG 1a | | | | Date: 16 Nov 1994 | | | | Report No. 18 | | | | DFS: 17 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, R Bourne 5000 | | | | LAST CASING: 13-3/8" @ 114.6m | | | | | | | |
| Depth @ 2400hrs: | | 237m | | Progress: 69m | | Operation: Raise mud weight | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 560 | |
| | 11.0 | 46 | 15 | 62 | 6/11 | 8.8 | 11.7 | 1 | 38 k | 40 | Trace | 17.2% | 82.9% | | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 75 | KCL | 27 | Pac_R | 10 | K/Seal | 3 | | |
| | | | 4.7% | 24.8k | ADDED | Barite | 80 + 12t | CmcHv | 1 | BiCarb | 13 | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| RR 2 | 12-1/4" | L114 | 87665 | Open | 136 | | | 101 | 20 | 5.1 | 10 k# | 120+ | In | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 526 | 650 | 7.25x12 | 63 | JET | DP | DC | | SPM | PSI | 43 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | 60 | | | | | | | | | | |
| B.H.Assy | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | | |
| Bit - Bit Sub - 2 x 8" DC's - 1 x/o - 6 x 6.5" DC's - Jars - | | | | | | | | 42.5 k# | 226.07m | | | | | | |
| - 3 x 6.5" DC's - 12 x HWDP | | | | | | | | | | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 1500 | 15 | Drill 12-1/4" hole from 168 to 237m | | | | | | | | | | | | |
| 1500 | 1530 | 0.5 | Circulate, condition mud fro wiper trip | | | | | | | | | | | | |
| 1530 | 1830 | 3 | Wiper trip, tight at 219m. Work pipe, pick up kelly. Lose circ., stuck at 205m, work up to 197m | | | | | | | | | | | | |
| 1830 | 2000 | 1.5 | Continue to work pipe and pull into shoe, establish circulation | | | | | | | | | | | | |
| 2000 | 2100 | 1 | Mix & pump LCM pill at 130m. Losses 10 - 15 Bbls/hr. Pumped 40 Bbls of LCM | | | | | | | | | | | | |
| 2100 | 2400 | 3 | Pull into shoe, circulate & raise mud weight to 11.0 ppg | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CIRC | REAM | CUT | RIG | Handle | | | | | |
| 15 | | | | | | 4.5 | | | | Tools | | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | PIPE | FISHING | OTHERS | | | | | | |
| | | | | BOP | BOP | 4.5 | | | | | 24 | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 1 | | | | | | | 22 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | Depth at 0600 Hrs: 238m | | | | | | | | | | | |
| Raise mud weight, change pump liners. | | | | | | | | | | | | | | | |
| Repair relief valve & mixing pump | | | | | | | | | | | | | | | |
| RIH to 217m, ream & wash to 237m, drill ahead | | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | |
| \$ 23763 | | \$ 452914 | | | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | | | |

Capital Energy N.L. Drilling Report

WELL: LOY YANG 1a Date: 17 Nov 1994 Report No. 19 DFS: 18

AREA or FIELD: Victoria PEP 124 RIG: RWC, R Bourne 5000 LAST CASING: 13-3/8" @ 114.6m

Depth @ 2400hrs: 311m Progress: 74m Operation: Drilling 12-1/4" hole A'd TD: 1700m

| | | | | | | | | | | | | | | |
|-----|--------|------|-----|--------|-------|--------|-----|--------|------|--------|-------|---------|-------|----------------------|
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| | 11.3 | 43 | 14 | 42 | 4 / 8 | 9.5 | 8.8 | 1 | 41 k | 280 | Trace | 19.2% | 80.8% | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 20 | KCL | 40 | Pac_R | 1 | Caustic | 1 | |
| | | | 6% | 31.5 k | ADDED | Barite | 560 | CmcHv | 2 | BiCarb | 4 | | | 560 |

| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION |
|---------|---------|------|-------|------|-----|-----|---|-----|-----|-----|-----------|-----------|
| RR 2 | 12-1/4" | L114 | 87665 | Open | 136 | | | 175 | 36 | 4.8 | 10 - 15k# | In |

| PUMP TYPE | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK |
|-------------|-----|-----|------------------|-----|----------|----|-----|-----|-----------|-----|-------|
| | | | | | JET | DP | DC | HHP | SPM | PSI | LOAD |
| GD FZK 350 | 497 | 650 | 6 x 12 | 55 | 68 | 94 | 141 | 13 | | | 59 k# |
| NAT KSH 280 | | | 5.5 x 12 | 60 | | | | | | | |

| B.H.Assy | | BHA WT | Length BHA | Survey | Depth | Angle |
|---|--|---------|------------|--------|-------|-------|
| Bit - Bit Sub - 2 x 8" DC's - 1 x/o - 6 x 6.5" DC's - Jars - - 3 x 6.5" DC's - 12 x HWDP | | 41.5 k# | 226.07m | | | |

| OPERATIONS | | START | TO | TIME | DESCRIPTION |
|------------|------|-------|----|------|--|
| 0001 | 0330 | 3.5 | | | Continue raising mud weight to 11.0 ppg while changing pump liners |
| 0330 | 0400 | 0.5 | | | Repair relief valves |
| 0400 | 0500 | 1 | | | Repair mud mixing motor |
| 0500 | 0600 | 1 | | | RIH to 217m. Wash & ream to 237m |
| 0600 | 1800 | 12 | | | Drilling 12-1/4" hole from 237 to 295m |
| 1800 | 1830 | 0.5 | | | Circulate & condition mud |
| 1830 | 1900 | 0.5 | | | Pull 4 stands wiper trip & RIH. 14m of fill |
| 1900 | 2000 | 1 | | | Wash & ream from 281 to 295m |
| 2000 | 2400 | 4 | | | Drilling 12-1/4" hole from 295 to 311m |

| TIME BREAKDOWN: | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | A/P | CIRC | REAM | CUT | RIG | Handle | |
|--------------------|----------|-------|---------|---------|-------------|------|------|---------|-----|-----|--------|----|
| | 16 | 1.5 | | 1.5 | | | 4 | 1 | | | Tools | |
| | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | OTHERS | | | | |
| | | | | | BOP | BOP | PIPE | FISHING | | | | 24 |

| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS |
|-----------|-----|-----|------|-----|-------|------|-------|-------|-------|------|--------|
| | | 2 | 16 | | 1 | 2 | 1 | | | | |

| | |
|---|-------------------------|
| SUMMARY OF OPERATIONS | Depth at 0600 Hrs: 314m |
| SINCE 2400 TO 0600 | |
| Drill to 312m, trip for new bit and drill ahead | |
| | |

| DAILY COST | COST TO DATE | FORMATION: | SUPERVISOR | GEOLOGIST |
|------------|--------------|------------|-----------------|--------------|
| \$ | \$ | Strzelecki | ANDY BACZKOWSKI | JOHN GAUSDEN |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|--------|---------|--|---------------|----------|-------------------------|------------------------------|-------------|-------------------------------|--------------|---------------|--------------|-----------|----------------|
| WELL: LOY YANG 1a | | | | | | Date: 18 Nov 1994 | | | Report No. 20 | | DFS: 19 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | | RIG: RWC, R Bourne 5000 | | | LAST CASING: 13-3/8" @ 114.6m | | | | | |
| Depth @ 2400hrs: | | 362.6m | | Progress: | 51.6m | | Operation: Run 9-5/8" casing | | | | A'd TD: 1700m | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand |
| | 11.3 | 55 | 18 | 106 | 7/11 | 9.5 | 8.6 | 1 | 33.5 k | 120 | Trace | 19.2% | 80.8% | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Gel | 62 | Pac_R | 5 | Caustic | 3 | | | |
| | | | 6.3% | 33.2 k | ADDED | Barite | 9 t | CmcHv | 14 | BiCarb | 4 | | | 960 |
| BIT NO. | | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | |
| RR 2 | | 12-1/4" | L114 | 87665 | Open | 136 | 312 | 176m | 37.5 | 4.7 | 15 k# | 130 | 3 - 6 - I | |
| 3 | | 12-1/4" | L115 | 29122 | Open | 312 | 363 | 51 | 10 | 5.1 | 15 k# | 130 | 2 - 2 - I | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK | | |
| GD FZK 350 | | 449 | 650 | 6 x 12 | 50 | JET | DP | DC | HHP | SPM | PSI | LOAD | | |
| NAT KSH 280 | | | | 5.5 x 12 | 54 | | | | 10 | | | 61 k# | | |
| B.H.Assy | | | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | |
| Bit - Bit Sub - 2 x 8" DC's - 1 x/o - 6 x 6.5" DC's - Jars - - 3 x 6.5" DC's - 12 x HWDP | | | | | | | | | 41.5 k# | 226.07m | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0130 | 1.5 | Drilling 12-1/4" hole from 311 to 312m | | | | | | | | | | | |
| 0130 | 0300 | 1.5 | Trip for new bit | | | | | | | | | | | |
| 0300 | 0430 | 1.5 | RIH | | | | | | | | | | | |
| 0430 | 0500 | 0.5 | Wash & ream from 300 to 312m | | | | | | | | | | | |
| 0500 | 1500 | 10 | Drill from 312 to 362m | | | | | | | | | | | |
| 1500 | 1600 | 1 | Circulate & condition mud & hole, spot Hi-Vis pill | | | | | | | | | | | |
| 1600 | 1700 | 1 | Trip to shoe, tight from 350 to 302m | | | | | | | | | | | |
| 1700 | 1800 | 1 | RIH to 362m | | | | | | | | | | | |
| 1800 | 1900 | 1 | Pull 4 stand wiper trip, RIH, no fill | | | | | | | | | | | |
| 1900 | 2100 | 2 | POH laying down 8" DC's | | | | | | | | | | | |
| 2100 | 2230 | 1.5 | Pick up casing tools | | | | | | | | | | | |
| 2230 | 2400 | 1.5 | Run 9-5/8" casing | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | | | |
| 11.5 | 8 | | | | 1 | .5 | | | | 1.5 | | | | |
| CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | | | | |
| 1.5 | | | | | | | | | | 24 | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 16 | | 1 | 2 | 2 | | | | | | 23 | | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs: 362m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | Run 9-5/8" casing and cement with shoe at 354.4m | | | | | | | | | | | |
| DAILY COST | | | | | | | | | | | | | | |
| COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | | | |
| \$ 19037 | | | \$ 494797 | | | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | | |
|--|--------|-------------------------|---|---------------|-----------|-------------|-------------|------------|-----------------|------------|-------------|--------------|--------------|----------------|-----|
| WELL: LOY YANG 1a | | Date: 20 Nov 1994 | Report No. 22 | DFS: 21 | | | | | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | RIG: RWC, R Bourne 5000 | LAST CASING: 9-5/8" @ 354.46m | | | | | | | | | | | | |
| Depth @ 2400hrs: | 362.6m | Progress: 0 | Operation: Rig Repairs | A'd TD: 1700m | | | | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| MBC | NITRTE | SULP | KCL | K+ | MUD ADDED | KCL | 35 | BiCarb | 4 | | | | | | 960 |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| PUMP TYPE | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | | | |
| GD FZK 350 NAT KSH 280 | | | 6 x 12 5.5 x 12 | | JET | DP | DC | HHP | SPM | PSI | | | | | |
| B.H.Assy | | | | BHA WT | | | | Length BHA | | Survey | Depth | Angle | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 0700 | 7 | Nipple up BOP's | | | | | | | | | | | | |
| 0700 | 0900 | 2 | Function test BOP's | | | | | | | | | | | | |
| 0900 | 1000 | 1 | Mix & pump 30 sacks cement to get cement to surface in 9-5/8" x 13-3/8" annulus | | | | | | | | | | | | |
| 1000 | 1200 | 2 | Pressure test Blind rams, HCR valve, choke manifold to 500 & 2000 psi | | | | | | | | | | | | |
| | | | Use cup tester to pressure test Pipe Rams & Annular | | | | | | | | | | | | |
| 1200 | 2400 | 12 | Rig Repairs. Waiting on Hydramatic brake, and repair drawworks brake | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| | | | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | |
| | | | 12 | | | | | | | | | | | | |
| | | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | 24 | |
| | | | 1 | | | | | 9 | | | | | 2 | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 16 | | 1 | 2 | 1 | | | | | | | 22 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs: 362m | | | | | | | | | | | | |
| | | | Rig Repairs | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| \$ 10292 | | | \$ 558183 | | | Strzelecki | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | | |

Capital Energy N.L Drilling Report

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|---------------------------------|--------|--------|-----------|------|------------------------|--------------------|-------------------------------|--------|-------|---------------|-----------|-----------|-----------|-----------------------------|--|
| WELL: LOY YANG 1a | | | | | Date: | 22 Nov 1994 | Report No. | 24 | DFS: | 23 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: | RWC, R Bourne 5000 | LAST CASING: 9-5/8" @ 354.46m | | | | | | | | |
| Depth @ 2400hrs: | | 362.6m | Progress: | 0 | Operation: Rig Repairs | | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand 960 | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | ADDED BiCarb 4 | | | | | | | | | |
| BIT NO. | SIZE | TYPE | Set # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| PUMP TYPE | | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | | | | 6 x 12 | | JET | DP | DC | HHP | SPM | PSI | | | |
| NAT KSH 280 | | | | | 5.5 x 12 | | | | | | | | | | |
| B.H.Assy | | | | | BHA WT | | Length BHA | Survey | Depth | Angle | | | | | |

| OPERATIONS | | | | |
|------------|------|------|--|--|
| START | TO | TIME | | |
| 0001 | 1900 | 19 | Rig Repairs. Waiting on Hydrumatic brake, and repair drawworks brake | |
| 1900 | 2300 | 2 | Make up BHA & RIH | |
| 2300 | 2400 | 1 | Install Hydrumatic Brake | |
| | | | | |
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|--|--|--------------|-------|------------|-------------------------|-------------|----------|-----------------|------------|-------------|--------|--------------|----|
| TIME BREAKDOWN: | | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | |
| | | | 4 | | 20 | | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHERS | | | 24 |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | 21 |
| | | 2 | 16 | 1 | 1 | 2 | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | | | Depth at 0600 Hrs: 362m | | | | | | | | |
| Install Hydrumatic Brake & check same | | | | | | | | | | | | | |
| Drill out plugs from 342m, float collar & cement. Pressure test casing to 2000 psi | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | FORMATION: | | | | SUPERVISOR | | | | GEOLOGIST | |
| \$ 8294 | | \$ 572409 | | Strzelecki | | | | ANDY BACZKOWSKI | | | | JOHN GAUSDEN | |

Capital Energy N.L. Drilling Report

| | | | | | | | | | | | | | | | |
|---------------------------------|--------|---|-------|-----------|--|-------------------|----------|-------------------------------|---------------|-------------------|-----------|-----------|------------------|----------------------|-----|
| WELL: LOY YANG 1a | | | | | Date: 23 Nov 1994 | | | Report No. 25 | | | DFS: 24 | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, R Bourne 5000 | | | LAST CASING: 9-5/8" @ 354.46m | | | | | | | |
| Depth @ 2400hrs: | | 362.6m | | Progress: | Operation: Rig Repairs | | | | A'd TD: 1700m | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | Water | Barite on hand | |
| MBC | NITRTE | SULP | KCL | K+ | MUD | ADDED BiCarb 4 | | | | | | | | | 960 |
| BIT NO. | SIZE | TYPE | Scr # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| PUMP TYPE | | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 NAT KSH 280 | | | | | 6 x 12 5.5 x 12 | | JET | DP | DC | | SPM | PSI | | | |
| B.H.Assy | | | | | BHA WT | | | Length BHA | Survey | Depth | Angle | | | | |
| OPERATIONS | | START | TO | TIME | | | | | | | | | | | |
| | | 0001 | 0200 | 2 | Rig Repairs, replace Hydramatic brake. | | | | | | | | | | |
| | | 0200 | 0730 | 5.5 | Drill plugs, float collar & cement to 349m | | | | | | | | | | |
| | | 0730 | 0800 | 0.5 | Circulate | | | | | | | | | | |
| | | 0800 | 2400 | 16 | Pressure test casing to 2000 psi. BOP piston seals failed, repair same | | | | | | | | | | |
| TIME BREAKDOWN: | | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | CUT | RIG | | Handle | | | |
| | | | | | 18 | | .5 | | | | | Tools | | | |
| | | CASING | CMT | LOGg | WOC | NIPPLE | TEST | WORK | | | | | | 24 | |
| | | | 5.5 | | | BOP | BOP | PIPE | FISHING | OTHERS | | | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | | 2 | 16 | | 1 | 2 | 1 | | | | | | | | |
| SUMMARY OF OPERATIONS | | Depth at 0600 Hrs: | | | | 362m | | | | | | | | | |
| SINCE 2400 TO 0600 | | Continue repairs to brake system | | | | | | | | | | | | | |
| | | Drill out cement & shoe. Drill 3m new hole, circulate for F.I.T | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | | FORMATION: | | | | SUPERVISOR | | | GEOLOGIST | | |
| \$ 7271 | | \$ 579680 | | | | Strzelecki | | | | ANDY BACZKOWSKI | | | JOHN GAUSDEN | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---------------------------------|---|----------------|------------------------------------|---------------------------------|-------------------|--------------------|---------|---------|---------------|-------------------------------|--------------|------------|---------|-------|
| WELL: LOY YANG 1a | | | | | Date: 25 Nov 1994 | | | | | Report No. 27 | | | DFS: 26 | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | | | LAST CASING: 9-5/8" @ 354.46m | | | | |
| Depth @ 2400hrs: 564m | | Progress: 106m | | Operation: Drilling 8-1/2" hole | | | | | A'd TD: 1700m | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 10.2 | 49 | 24 | 27 | 4/5 | 9.2 | 7.3 | 1 | 35 k | 40 | TRACE | 11.9% | - % | 88.1% |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Barite 1 t Pac-R 3 | | | | | BARITE | | | |
| | | | 5.5 | 28.9 k | ADDED | EZ Mud 5 KCL 10 | | | | | on hand: 930 | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 4 | 8-1/2 | S 11 J | YE7945 | 20,20,15 | 362 | 466 | 104 | 16 | 6.5 | 15-20 | 120 | 4-3-I | | |
| 5 | 8-1/2 | ETD417 | 88733 | 20,20,15 | 466 | | 98 | 16.5 | 5.9 | 30-35 | 90-110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | 330 | 650 | 6 x 12 | 70 | JET | DP | DC | 30 | SPM | PSI | 85 k# | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | |
| | 4 X 6-1/2" DC's - 12 HWD | | | | | | | 51,800# | 263M | | 458m | 0.5 | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0130 | 1.5 | DRILL 8-1/2" HOLE FROM 458 TO 466m | | | | | | | | | | | |
| 0130 | 0200 | 0.5 | CIRCULATE, DROP SURVEY | | | | | | | | | | | |
| 0200 | 0730 | 5.5 | TRIP FOR BIT | | | | | | | | | | | |
| 0730 | 2400 | 16.5 | DRILL 8-1/2" HOLE FROM 466 TO 564m | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CIRC | CMT | CUT | RIG | Handle | | | | |
| 18 | 5.5 | | | | | 0.5 | | | | Tools | | | | |
| CASING | CMT | LOGg | WOC | NIPPLE | TEST | WORK | FISHING | OTHER | | | | | | |
| | | | | BOP | BOP | PIPE | | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 17 | | 1 | 2 | | | | | | | 22 | | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs. 602m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | DRILL 8-1/2" HOLE | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| 17,982 | | | 611,260 | | | STRZELECKI | | | A. BACZKOWSKI | | | J. GAUSDEN | | |

Capital Energy N.L Drilling Report

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|---------------------------------|---------|---|--|---------------------------------|-------------------|---------------|-------------------------------|---------------|------------|-------------|------------|--------------|-------|-------|
| WELL: LOY YANG 1a | | | | | Date: 27 Nov 1994 | | Report No. 29 | | DFS: 28 | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | LAST CASING: 9-5/8" @ 354.46m | | | | | | | |
| Depth @ 2400hrs: 799m | | Progress: 121m | | Operation: Drilling 8-1/2" hole | | A'd TD: 1700m | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 10.0 | 46 | 21 | 19 | 3/9 | 9.0 | 7.2 | 1 | 25.5 k | 180 | TRACE | 10.6 | - % | 89.4 |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Barite 2 t | | Pac-R 7 | | Gel 39 | | BARITE | | |
| | | | 4.5% | 23.6 k | ADDED | EZ Mud 4 | | KCL 5 | | Caustic 3 | | on hand: 930 | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 5 | 8-1/2 | ETD417 | 88733 | 20,20,14 | 466 | | 333 | 59 | 5.6 | 30 - 35 | 90-110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | 312 | 650 | 6 x 12 | 67 | JET | DP | DC | 25 | SPM | PSI | 88 k# | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | BHA WT | | Length BHA | | Survey | | Depth | Angle |
| | | 4 X 6-1/2" DC's - 12 HWDP | | | | | 51,800# | | 263M | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 1200 | 12 | DRILL 8-1/2" HOLE FROM 678 TO 740m | | | | | | | | | | | |
| 1200 | 1230 | 0.5 | CIRCULATE | | | | | | | | | | | |
| 1230 | 1430 | 2 | WIPER TRIP, PULL 12 STDS, TIGHT FROM 547 TO 520m | | | | | | | | | | | |
| 1430 | 2400 | 9.5 | DRILL 8-1/2" HOLE FROM 740 TO 799m | | | | | | | | | | | |
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| TIME BREAKDOWN: | | DRILLING | TRIPS | SURVEYS | REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | |
| | | 21.5 | 2 | | | | 0.5 | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | |
| | | | | | | | | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | |
| | 2 | 17 | | 1 | 2 | | | | | | | | 22 | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs, | | | 832m | | | | | | | | |
| SINCE 2400 TO 0600 | | | | | | | | | | | | | | |
| DRILL 8-1/2" HOLE | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| 16,266 | | 642,372 | | | STRZELECKI | | | A. BACZKOWSKI | | | J. GAUSDEN | | | |

Capital Energy N.L. Drilling Report

| | | | | | | | | | | | | | | | |
|---------------------------------|---------|---|---------------------------------------|---------------|------------|-------------------------------|---------|----------------------|--------------|-----------|---------------|-------------|--------------|-------|--|
| WELL: LOY YANG 1a | | | Date: 29 Nov 1994 | | | Report No. 31 | | | DFS: 30 | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" @ 354.46m | | | | | | | | | |
| Depth @ 2400hrs: | | 1040m | Progress: | 113m | Operation: | | | Drilling 8-1/2" hole | | | A'd TD: 1700m | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water | |
| | 10.0 | 50 | 24 | 22 | 3 / 8 | 9.5 | 6.8 | 1 | 27 k | 160 | TRACE | 10.5 | - % | 89.5 | |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Caustic 2 | | Pac-R | 3 | Gel | | 10 | BARITE | | |
| | | | 4.7 | 24.8 k | ADDED | EZ Mud 3 | | KCL | 5 | | | | on hand: 880 | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | | |
| 5 | 8-1/2 | ETD417 | 88733 | 20,20,14 | 466 | | | 574 | 103.5 | 5.5 | 30 - 35 | 90-110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK LOAD | | | |
| GD FZK 350 | | 274 | 650 | 6 x 12 | 58 | JET | DP | DC | HHP | SPM | PSI | 95 k# | | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | | |
| B.H.Assy | | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | |
| | | 4 X 6-1/2" DC's - 12 HWDP | | | | | 51,800# | | 263M | | | | | | |
| OPERATIONS | | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | | |
| 0001 | 2100 | 21 | Drill 8-1/2" hole from 927 to 1034m | | | | | | | | | | | | |
| 2100 | 2130 | 0.5 | Circulate | | | | | | | | | | | | |
| 2130 | 2300 | 1.5 | 10 Stand Wiper Trip, no drag, no fill | | | | | | | | | | | | |
| 2300 | 2400 | 1 | Drill 8-1/2" hole from 1034 to 1040m | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | | |
| DRILLING | | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CIRC | CMT | CUT | RIG | Handle | | | | |
| 22 | | 1.5 | | | | | 0.5 | | | | Tools | | | | |
| CASING | | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | FISHING | | OTHER | | | | | |
| | | | | | BOP | BOP | PIPE | | | | | | | | |
| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | | | |
| | 2 | 17 | | 1 | 2 | | | | | | | 22 | | | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs. 1062m | | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | Drilling 8-1/2" hole | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| 14,497 | | | 673,701 | | | STRZELECKI | | | A.Baczkowski | | | G. Holdgate | | | |

Capital Energy N.L Drilling Report

| | | | |
|---------------------------------|-------------------|---------------------------------|---------------|
| WELL: LOY YANG 1a | Date: 30 Nov 1994 | Report No. 32 | DFS: 31 |
| AREA or FIELD: Victoria PEP 124 | RIG: RWC, RIG 4 | LAST CASING: 9-5/8" @ 354.46m | |
| Depth @ 2400hrs: 1098 | Progress: 58 | Operation: Drilling 8-1/2" hole | A'd TD: 1700m |

| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
|-----|------|-----|----|----|------|-----|-----|--------|------|------|-------|--------|-----|-------|
| | 10.2 | 52 | 30 | 24 | 4/9 | 9.5 | 6.8 | 1 | 28 k | 160 | TRACE | 11.9 % | - % | 88.1 |

| MBC | NITRTE | SULP | KCL | K+ | MUD | Barite | Pac-R | Caustic | BARITE |
|-----|--------|------|-------|--------|-------|--------|-------|---------|--------------|
| | | | 5.2 % | 27.2 k | ADDED | 45 | 4 | 2 | on hand: 835 |

| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION |
|---------|--------|--------|-------|----------|------|------|-----|-------|-----|---------|---------|------------|
| 5 | 8-1/2 | ETD417 | 88733 | 20,20,15 | 466 | 1071 | 605 | 111.5 | 5.4 | 30 - 35 | 90-110 | 3 - 5 - IN |
| 6 | 8-1/2" | ETD417 | 9494 | 20,20,16 | 1071 | | 27 | 7.5 | 3.6 | 30 - 35 | 100-110 | |

| PUMP TYPE | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK |
|---------------------------|-----|-----|------------------|-----|----------|-----|-----|-----|-----------|-----|-------|
| | | | | | JET | DP | DC | HHP | SPM | PSI | LOAD |
| GD FZK 350 NAT KSH 280 | 274 | 650 | 6 x 12 5.5x12 | 58 | 109 | 129 | 224 | 17 | 30 | 330 | 96 k# |

| B.H.Assy | BIT - BIT SUB | BHA WT | Length BHA | Survey | Depth | Angle |
|---------------------------|---------------------------------|---------|------------|--------|-------|-------|
| 4 X 6-1/2" DC's - 12 HWDP | 12 X 6-1/2" DC's - x/o - JARS - | 51,800# | 263M | | 1062m | 5 deg |

| OPERATIONS | | | |
|------------|------|------|--|
| START | TO | TIME | |
| 0001 | 0800 | 8 | Drill 8-1/2" hole from 1040 to 1071m |
| 0800 | 0830 | 0.5 | Circulate |
| 0830 | 0930 | 1 | Run W/Line Survey, 5 deg |
| 0930 | | 7 | Trip for new bit, drop survey. |
| | | 1630 | RIH no fill. Tight spot in & out at 602 - 607m |
| 1630 | 2400 | 7.5 | Drill 8-1/2" hole from 1071 to 1098m |
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| TIME BREAKDOWN: | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools |
|-----------------|----------|-------|---------|-------------|-------------|----------|-----------|------------|-------------|--------|--------------|
| | 15.5 | 7 | 1 | | | 0.5 | | | | | |
| | CASING | CMT | LOGg | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | |
| | | | | | | | | | | | |

| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS |
|-----------|-----|-----|------|-----|-------|------|-------|-------|-------|------|--------|
| | 2 | 17 | | 1 | 2 | | | | | | 22 |

| | |
|--|--|
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | Depth at 0600 Hrs. 1127m Drilling 8-1/2" hole |
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| DAILY COST | COST TO DATE | FORMATION: | SUPERVISOR | GEOLOGIST |
|------------|--------------|------------|---------------|-------------|
| 17,716 | 692,303 | STRZELECKI | A. BACZKOWSKI | G. HOLDGATE |

Capital Energy N.L. Drilling Report

| | | | | | | | | | | | | | | |
|---------------------------------|---|---------|-------|---------------|-------|---------------------------------|-----|---------|-------------------------------|--------------|---------------|-----------|-----|-------|
| WELL: LOY YANG 1a | | | | | | Date: 6 Dec 1994 | | | Report No. 38 | | | DFS: 37 | | |
| AREA or FIELD: Victoria PEP 124 | | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" @ 354.46m | | | | | |
| Depth @ 2400hrs: | | 1573m | | Progress: 80 | | Operation: Drilling 8-1/2" hole | | | | | A'd TD: 1700m | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.9 | 54 | 26 | 21 | 4/11 | 9.0 | 6.7 | 1 | 27 k | 80 | TRACE | 9.9% | - % | 90.6% |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Caustic 2 | | Pac-R 4 | | BARITE | | | | |
| | | | 4.5% | 23.5 k | ADDED | EZ Mud 2 | | KCL 20 | | on hand: 835 | | | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 7 | 8-1/2 | HP 51 A | 2827 | 20,20,15 | 1493 | | 80 | 20 | 4 | 28 - 30 | 110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | HALF RATE | | HOOK | | |
| GD FZK 350 | | 255 | 650 | 6 x 12 | 55 | JET | DP | DC | HHP | SPM | PSI | LOAD | | |
| NAT KSH 280 | | | | 5.5x12 | | 104 | 120 | 208 | 14 | 30 | 360 | 108 k# | | |
| B.H.Assy | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | |
| | 4 X 6-1/2" DC's - 12 HWDP | | | | | | | 51,800# | 263M | | | | | |

| OPERATIONS | | | |
|------------|------|------|------------------------------------|
| START | TO | TIME | |
| 0001 | 0100 | 1 | Slip & cut 77' of drilling line |
| 0100 | 0400 | 3 | Continue RIH |
| 0400 | 2400 | 20 | Drilling 8-1/2" hole 1493 to 1573m |
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| TIME BREAKDOWN: | DRILLING | TRIPS | SURVEYS | RIG REPAIRS | A/P REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools |
|-----------------|----------|-------|---------|-------------|-------------|----------|-----------|------------|-------------|--------|--------------|
| | 20 | 3 | | | | | | 1 | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | |

| PERSONNEL | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS |
|-----------|-----|-----|------|-----|-------|------|-------|-------|-------|------|--------|
| | 2 | 17 | | 1 | 2 | | | | | | 22 |

| SUMMARY OF OPERATIONS | Depth at 0600 Hrs, 1591m |
|--|--------------------------|
| SINCE 2400 TO 0600 | |
| Drilling 8-1/2" hole (some down-hole mud losses) | |
| | |
| | |

| DAILY COST | COST TO DATE | FORMATION: | SUPERVISOR | GEOLOGIST |
|------------|--------------|------------|---------------|------------|
| 21,032 | 783,391 | STRZELECKI | A. BACZKOWSKI | J. GAUSDEN |

Capital Energy N.L Drilling Report

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|---------------------------------|---|--------------|--|--------------------------|---------|----------|---------------------------------|-------------------------------|------------|-----------|---------------|-----------|--------|--------------|
| WELL: LOY YANG 1a | | | | Date: 7 Dec 1994 | | | | Report No. 39 | | DFS: 38 | | | | |
| AREA or FIELD: Victoria PEP 124 | | | | RIG: RWC, RIG 4 | | | | LAST CASING: 9-5/8" @ 354.46m | | | | | | |
| Depth @ 2400hrs: | | 1643m | | Progress: | 70 | | Operation: Drilling 8-1/2" hole | | | | A'd TD: 1700m | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.9 | 54 | 26 | 23 | 3/13 | 9.3 | 6.6 | 1 | 28 k | 100 | TRACE | 9.7 % | - % | 90.3% |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Caustic | 3 | Pac-R | 6 | | | | | BARITE |
| | | | 4.1 % | 24.6 k | ADDED | EZ Mud | 5 | KCL | 14 | | | | | on hand: 835 |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| 7 | 8-1/2 | HP 51 A | 2827 | 20,20,15 | 1493 | | 150 | 44 | 3.4 | 30 | 110 | | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 | | 255 | 650 | 6 x 12 | 55 | JET | DP | DC | 18 | SPM | PSI | 110 k# | | |
| NAT KSH 280 | | | | 5.5x12 | | | | | | | | | | |
| B.H.Assy | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - 4 X 6-1/2" DC's - 12 HWDP | | | | | | | BHA WT | Length BHA | Survey | Depth | Angle | | |
| | | | | | | | | 51,800# | 263M | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 2400 | 24 | Drill 8-1/2" hole from 1573 to 1643m | | | | | | | | | | | |
| | | | Lost a total of 80 Bbls of mud to the formation at 1575m. no further losses. | | | | | | | | | | | |
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| TIME BREAKDOWN: | | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | REPAIRS | CIRC | CMT | CUT | RIG | Handle | |
| | | 24 | | | | | | | | | | | Tools | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE | TEST | WORK | | | | | | |
| | | | | | | BOP | BOP | PIPE | FISHING | | OTHER | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | |
| | | 2 | 17 | | 1 | 2 | | | | | | | 22 | |
| SUMMARY OF OPERATIONS | | | | Depth at 0600 Hrs. 1661m | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | | | | | | | | | | | | |
| | | | | Drilling 8-1/2" hole | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | FORMATION: | | | | SUPERVISOR | | | GEOLOGIST | | | |
| 15,444 | | 798,835 | | STRZELECKI | | | | A. BACZKOWSKI | | | J. GAUSDEN | | | |

Capital Energy N.L Drilling Report

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|---------------------------------|---------|---|---|--------------|---------------|------------------------------|----------|---------------|-------------------------------|---------------|------------|--------------|-----------|-----------|
| WELL: LOY YANG 1a | | | | | | Date: 10 Dec 1994 | | | Report No. 42 | | DFS: 41 | | | |
| AREA or FIELD: Victoria PEP 124 | | | | | | RIG: RWC, RIG 4 | | | LAST CASING: 9-5/8" @ 354.46m | | | | | |
| Depth @ 2400hrs: | | 1734m | | Progress: 34 | | Operation: Drill 8-1/2" hole | | | | A'd TD: 1700m | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.9 | 52 | 26 | 21 | 3/8 | 9.2 | 6.2 | 1 | 28.2 k | 60 | TRACE | 9.7 % | - % | 90.3 % |
| MBC | NITRITE | SULP | KCL | K+ | MUD | Caustic 2 | | | Pac-R 2 | | | BARITE | | |
| | | | 4.9 % | 25.6 k | ADDED | EZ Mud 2 | | | KCL 9 | | | on hand: 800 | | |
| BIT NO. | | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | |
| 8 | | 8-1/2 | Reed | TC6656 | 20,20,15 | 1700 | | | 34 | 11.5 | 3.0 | 30 - 35 | 110 | |
| | | | 5-1-7 | | | | | | | | | | | |
| PUMP TYPE | | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit | | HALF RATE | | HOOK LOAD |
| GD FZK 350 | | | 255 | 650 | 6 x 12 | 55 | JET | DP | DC | HHP | SPM | PSI | 112 k# | |
| NAT KSH 280 | | | | | 5.5x12 | | | | | 14 | 30 | 370 | | |
| B.H.Assy | | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle |
| | | 4 X 6-1/2" DC's - 12 HWDP | | | | | | 51,800# | | 263M | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0030 | 0.5 | Rig down Schlumberger | | | | | | | | | | | |
| 0030 | 0530 | 5 | Run in hole with new bit | | | | | | | | | | | |
| 0530 | 0830 | 3 | Drill 8-1/2" hole from 1700 to 1704m | | | | | | | | | | | |
| 0830 | 1530 | 7 | Repair Drawworks brakes | | | | | | | | | | | |
| 1530 | 2400 | 8.5 | Drill from 1704 to 1734m | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | REPAIRS | CIRC | REAM | CUT | RIG | CORING | Handle Tools | | |
| | | 11.5 | 5 | | 7 | | | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | |
| | | | | 0.5 | | | | | | | | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | CORE | DRLG | OTHERS | | |
| | | 2 | 17 | | 1 | 2 | | | 3 | 1 | | | 26 | |
| SUMMARY OF OPERATIONS | | | Depth at 0600 Hrs. 1734m | | | | | | | | | | | |
| SINCE 2400 TO 0600 | | | Drill to 1734m, rotary table seized. | | | | | | | | | | | |
| | | | POH for rig repairs | | | | | | | | | | | |
| | | | Rotary table reduction gearbox totally damaged beyond repair. | | | | | | | | | | | |
| DAILY COST | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | | |
| 42,614 | | 867,823 | | | STRZELECKI | | | A. BACZKOWSKI | | | J. GAUSDEN | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|--|----------|---|--|---------|-------------------|----------------------|-----------|----------|--------------------------------|-------------------------------|--------------|--------------|---------------|--------|
| WELL: LOY YANG 1a | | | | | Date: 11 Dec 1994 | | | | | Report No. 43 | | DFS: 42 | | |
| AREA or FIELD: Victoria PEP 124 | | | | | RIG: RWC, RIG 4 | | | | | LAST CASING: 9-5/8" @ 354.46m | | | | |
| Depth @ 2400hrs: | | | 1736m | | Progress: | | 2 | | Operation: Lay down excess BHA | | | | A'd TD: 1700m | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| | 9.8 | 50 | 28 | 25 | 4/7 | 9.3 | 5.7 | 1 | 60 | 40 | Tr | 9.4% | - | %90.6% |
| MBC | NITRTE | SULP | KCL | K+ | MUD | Barite 1 ton Pac-R 1 | | | | | BARITE | | | |
| | | | 4.57 | 24.9 k | ADDED | EZ Mud 1 | | | | | on hand: 800 | | | |
| BIT NO. | | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | |
| | | 8 | 8-1/2 | EHP 51A | JC6656 | 20,20,15 | 1700 | 1736 | 36 | 12 | 3.0 | 30 - 35 | 110 | 1-1-IN |
| PUMP TYPE | | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | |
| GD FZK 350 | | | 255 | 650 | 6 x 12 | 55 | 104 | 120 | 208 | 14 | 30 | 370 | 112 k# | |
| NAT KSH 280 | | | | | 5.5x12 | | | | | | | | | |
| B.H.Assy | | BIT - BIT SUB - 12 X 6-1/2" DC's - x/o - JARS - | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | |
| | | 4 X 6-1/2" DC's - 12 HWDP | | | | | 51,800# | | 263M | | | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0030 | 0.5 | Drill 8-1/2" hole from 1734 to 1736m | | | | | | | | | | | |
| 0030 | 0130 | 1 | Rotary table drive siezed, circulate | | | | | | | | | | | |
| 0130 | 0730 | 6 | POH | | | | | | | | | | | |
| 0730 | 0930 | 2 | Work on Rotary drive | | | | | | | | | | | |
| 0930 | 1030 | 1 | Rig up Schlumberger | | | | | | | | | | | |
| 1030 | 2400 | 13.5 | Run Schlumberger logs. LDT-CNL-GR. SHDT-GR | | | | | | | | | | | |
| TIME BREAKDOWN: | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG | A/P | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | |
| | 0.5 | | | 9 | | | | | | | | | | |
| | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | | |
| | | | 14.5 | | | | | | | | | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | CORE | DRLG | OTHERS | | |
| | | 2 | 17 | | 1 | 2 | | | 3 | 1 | | 26 | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs, 1736m | | | | | | | | | | | |
| Rig down Schlumberger | | | | | | | | | | | | | | |
| Lay down excess BHA | | | | | | | | | | | | | | |
| Pick up DP for P & A | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | GEOLOGIST | | | |
| 377,619 | | | 905,442 | | | STRZELECKI | | | A. BACZKOWSKI | | J. GAUSDEN | | | |

Capital Energy N.L Drilling Report

| | | | | | | | | | | | | | | |
|---|---------|-----------|---|------------------|-------------------------------|--------------|------------|-----------|---------------|-------------|--------|-----------------|-----|-------|
| WELL: LOY YANG 1a | | | Date: 13 Dec 1994 | | Report No. 45 | DFS: 44 | | | | | | | | |
| AREA or FIELD: Victoria PEP 124 | | | RIG: RWC, RIG 4 | | LAST CASING: 9-5/8" @ 354.46m | | | | | | | | | |
| Depth @ 2400hrs: | 1736m | Progress: | 0 | | Operation: | Rig released | | | | | | | | |
| MUD | WT | VIS | PV | YP | GELS | PH | W/L | F/CAKE | CHL | HARD | SAND | SOLIDS | OIL | Water |
| MBC | NITRITE | SULP | KCL | K+ | MUD ADDED | | | | | | | BARITE on hand: | | |
| BIT NO. | SIZE | TYPE | Ser # | JETS | IN | OUT | M | HRS | ROP | WOB | RPM | CONDITION | | |
| PUMP TYPE | | GPM | PSI | Bore & Stroke | SPM | VELOCITY | | | Bit HHP | HALF RATE | | HOOK LOAD | | |
| GD FZK 350 NAT KSH 280 | | | | 6 x 12 5.5x12 | | JET | DP | DC | | SPM | PSI | | | |
| B.H.Assy | | | | | BHA WT | | Length BHA | | Survey | Depth | Angle | | | |
| OPERATIONS | | | | | | | | | | | | | | |
| START | TO | TIME | | | | | | | | | | | | |
| 0001 | 0200 | 2 | POH laying down DP to 377m | | | | | | | | | | | |
| 0200 | 0230 | 0.5 | Rig up, mix & pump 85 sacks cement with 2% calcium chloride, plug #3 at 377m | | | | | | | | | | | |
| 0230 | 0330 | 1 | Pull 3 stands, circulate & condition mud with Caustic and Sod. Sulphite | | | | | | | | | | | |
| 0330 | 0500 | 1.5 | POH laying down pipe | | | | | | | | | | | |
| 0500 | 0600 | 1 | RIH and tag cement at 321m. | | | | | | | | | | | |
| 0600 | 0900 | 3 | POH laying down pipe | | | | | | | | | | | |
| 0900 | 1900 | 10 | Dump & clean mud tanks, Nipple down BOP's, lay out kelly, remove bradenhead mix and pump 20 sacks cement to surface and install wellhead sign. | | | | | | | | | | | |
| Rig Released at 1900 hours, 13 December 1994 | | | | | | | | | | | | | | |
| TIME BREAKDOWN: | | | | | | | | | | | | | | |
| | | DRILLING | TRIPS | SURVEYS | REPAIRS | RIG REPAIRS | CIRC | CMT REAM | CUT D/LINE | RIG SERVICE | CORING | Handle Tools | | |
| | | | 7.5 | | | | 1 | | | | | | | |
| | | CASING | CMT | LOG'g | WOC | NIPPLE BOP | TEST BOP | WORK PIPE | FISHING | OTHER | | | | |
| | | | 0.5 | | | 10 | | | | | | | | |
| PERSONNEL | | Co. | RIG | CAMP | MUD | M/LOG | CEM. | EVAL. | E/LOG | WATER | DRLG | OTHERS | | 23 |
| | | 1 | 17 | | 1 | 2 | | | | | | | | |
| SUMMARY OF OPERATIONS SINCE 2400 TO 0600 | | | Depth at 0600 Hrs, | | Total Depth 1736m. | | | | | | | | | |
| Rig Released | | | | | | | | | | | | | | |
| DAILY COST | | | COST TO DATE | | | FORMATION: | | | SUPERVISOR | | | GEOLOGIST | | |
| 29,660 | | | 951,377 | | | STRZELECKI | | | A. BACZKOWSKI | | | J. GAUSDEN | | |

APPENDIX 2

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: **1A** API WELL NUMBER: _____ WATER DEPTH: _____ DATE: **13-12-94**

OPERATOR: **LOU YANG**

CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: _____ SIGNATURE OF CONTRACTOR'S TOOL PUSHER: _____

| SIZE | WPT | GRADE | COOL JT DD | TYPE THRD | STANG NO | PUMP NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|-----|-------|------------|-----------|----------|---------|-------------------|---------|---------------|
| 4 1/2 | 16 | E | 6 3/4 | 4 1/2 | 1 | 1 | GARDNER DENVER | F2-29 | 12" |
| 4 3/4 | 10 | E | 6 3/4 | 4 1/2 | 2 | 2 | NATIONAL | KSH-250 | 12" |

FIELD OF DIST: **LOU YANG** COUNTY: **GLAISBORO** STATE: **VICTORIA**

WIRE LINE RECORD: _____

| SIZE | MAKE | WT & GR | NO JOINTS | FEET | NO TO CSO | SET AT | NO LINES | PT SLIPPER |
|--------|---------|---------|-----------|------|-----------|--------|----------|------------|
| 10 3/4 | SUM 156 | | 9 | | | 114-6 | | |
| 9 5/8 | BUTT | 31 | | | | 354-26 | | |

TON. OR TRIPS SINCE LAST CUT: **352**
 CUMULATIVE TON. OR TRIPS: **864**

DRILLING CREW PAYROLL DATA

DATE: **13 Dec 1994**

WELL NAME & NO: **LOU YANG 1A**

COMPANY: **CAPITAL ENERGY (GSV)**

TOOL PUSHER: **G. ELORIO/N. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|------------------------------|----|-------------------|----------------------|-----------------------|
| 1. RIG UP AND TIE DOWN | | | | |
| 2. DRILL ACTUAL | | STB RMR OD | FT MFC | PRESSURE GRADIENT |
| 3. REAMING | | DC ID OD | FT TYPE | VISC SEC |
| 4. CORING | | STB RMR OD | FT JETS 1-2 | PWVF |
| 5. CONDITION MUD & CIRCULATE | | DL ID OD | FT SEP NO | GELS |
| 6. TRIPS | | STB RMR OD | FT DEPTH OUT | W. CC |
| 7. REPAIR RIG | | | DEPTH IN | UP |
| 8. CUT OFF DRILLING LINE | | | TOTAL FTG | SOIDS |
| 9. DEVIATION SURVEY | | | TOTAL HAS MUD | |
| 10. WIRE LINE LOGS | | STANDS DP | FT CONG. HB: TB-GAGE | MUD & CHEMICALS ADDED |
| 11. RUN CASING & CEMENT | | SINGLES DP | FT GPM/PSI | TYPE AMT TYPE AMT |
| 12. NIPPLE UP BOP | | KELLY DOWN | FT | |
| 13. TEST B & C | | TOTAL | FT | |
| 14. DRILL STEM TEST | | WT OF STRING | LBS | |
| 15. P.U.C. BACK | | REMARKS | | |
| 16. SQUEEZE CEMENT | | | | |
| 17. FISHING | | | | |
| 18. DIP WORK | | | | |

| FOOTAGE | DE I RMR CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | HOLEY RMR | WT ON BIT 1000 | PUMP PRESS | PUMP NC LINDER SIZE | PUMP NC S.P.W | PUMP NC LINDER SIZE | PUMP NC S.P.W | METHOD |
|-------------|-----------------|---------|---|-----------|----------------|------------|---------------------|---------------|---------------------|---------------|--------|
| 00:00-02:00 | | 2 | POOH SIDE WAYS TO 377 MS, KEEP 22 STD IN DISCH. & RIG UP CMT HEAD | | | | | | | | |
| 02:00-02:30 | | 1/2 | PUMP 2 BLS WATER 18 BY 85" A" & 2% CAC/2 | | | | | | | | |
| 02:30-03:30 | | 1/2 | POOH 3 STD DOWPIPE, CIRC ADD 5 BK SO2 SULPHITE TO SYSTEM. | | | | | | | | |
| 03:30-05:00 | | 1 1/2 | POOH SIDE WAYS. | | | | | | | | |
| 05:00-06:00 | | 1 | R/H OPEN END DOWPIPE TAG CMT TOP @ 170 MT. | | | | | | | | |
| 06:00-09:00 | | 3 | POOH SIDE WAYS & LAY OUT EXCESS PIPE IN DISCH. | | | | | | | | |
| 09:00-12:00 | | | N/Down B.O.P. + Flushing Remove Some From Substrace. | | | | | | | | |

NIGHT TOUR: **08:00 P.M. 12:00**

| CREW | SOC SEC NO | NAME |
|---------|------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | JAY MURPHY |
| MTRMAN | | GARRY WIEG |
| FIREMAN | | GRAHAM BARTLES |
| FLANMAN | | CHRIS THOMAS |
| FLANMAN | | CHRIS HOBBS |

CHANE SUP: _____ MECHANIC: _____ WELDER: _____ RSTABOUT: _____ TRAMER: _____

T/Partner: **Graham Elorio**

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|----------------------|-----------------------|
| | STB RMR OD | FT MFC | PRESSURE GRADIENT |
| | DC ID OD | FT TYPE | VISC SEC |
| | STB RMR OD | FT JETS 1-2 | PWVF |
| | DL ID OD | FT SEP NO | GELS |
| | STB RMR OD | FT DEPTH OUT | W. CC |
| | | DEPTH IN | UP |
| | | TOTAL FTG | SOIDS |
| | | TOTAL HAS MUD | |
| | STANDS DP | FT CONG. HB: TB-GAGE | MUD & CHEMICALS ADDED |
| | SINGLES DP | FT GPM/PSI | TYPE AMT TYPE AMT |
| | KELLY DOWN | FT | |
| | TOTAL | FT | |
| | WT OF STRING | LBS | |
| | REMARKS | | |

| FOOTAGE | DE I RMR CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | HOLEY RMR | WT ON BIT 1000 | PUMP PRESS | PUMP NC LINDER SIZE | PUMP NC S.P.W | PUMP NC LINDER SIZE | PUMP NC S.P.W | METHOD |
|-------------|-----------------|---------|---|-----------|----------------|------------|---------------------|---------------|---------------------|---------------|--------|
| 12:00-19:00 | | 7 | Remove Beadhead Flange, carry out surface Cmt Job. Clean Mud Tanks, R/Down Rig. | | | | | | | | |

Rig Release @ 19:00 hrs

[Signature]

DAY TOUR: **12:00 A.M. 24:00**

| CREW | SOC SEC NO | NAME |
|---------|------------|----------------|
| DRILLER | | Dennis White |
| DRAWMAN | | Ricky White |
| MTRMAN | | Andrew Dickson |
| FIREMAN | | Tony Reynolds |
| FLANMAN | | Graham Mackie |
| FLANMAN | | Lance Scott |

CHANE SUP: _____ MECHANIC: **Glen Kingwell** WELDER: _____ RSTABOUT: _____ TRAMER: _____

T/P: **Norris Beaman, Bernie Anderson**

DAILY DRILLING REPORT REPORT NO.

LEASE LOY YANG WELL NO 1A API WELL NUMBER WATER DEPTH DATE 12-12-94

OPERATOR CAPITAL ENERGY (GSV) CONTRACTOR RURAL WATER CORPORATION RIG NO 4 SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

Table with columns: TIME DISTRIBUTION - HOURS, NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like RIG UP AND TEAR DOWN, REMAINING, COILING, etc.

Table with columns: NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like PERFORATION, TBC TRIPS, etc.



DRILLING SERVICES P.O. Box 70, Port Melbourne Victoria 3207 196 Turner Street, Port Melbourne Victoria 3207 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

Table with columns: FIELD OF DIST, COUNTY, STATE, WIRE LINE RECORD, etc. Includes handwritten entries like LOY YANG, CLARLAND, VICTORIA.

Table with columns: FOOTAGE, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS. Includes handwritten entries like RIG DOWN SCHLUMBER, PICK UP 10 JOBS DRILL PIPE AND STAND IN DEPTH.

Table with columns: FOOTAGE, DEVIATION RECORD, TIME LOG, DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS. Includes handwritten entries like CONT CIRC @ 1560 MB, REMOVE KELLY, etc.

Table with columns: DRILLING CREW PAYROLL DATA, DATE, WELL NAME & NO, COMPANY, TOOL PUSHER. Includes handwritten entries like 12 DEC 1994, LOY YANG 1A, CAPITAL ENERGY (GSV).

Table with columns: NIGHT TOUR, P.M., NAME. Includes handwritten entries like SCOTT TURNER, IAN MCSWAIN, GARRY WIGGS, GRAHAM BARTUETT, CHRIS THOMAS, CHRIS HOBBS.

Table with columns: DAY TOUR, A.M., NAME. Includes handwritten entries like DENNIS WHITE, RICKY WHITE, ANDREW DICKSON, GRAHAM MACKIE, LANCE SCOTT, KAY REYNOLDS.

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: 1A, DATE: 11/12/94, OPERATOR: LOY YANG, CONTRACTOR: RURAL WATER CORPORATION. Includes signature of operator's representative and contractor's tool pusher.

FIELD OR LIST: LOY YANG, COUNTY: CHIPPISLAND, STATE: VIC. TO EIA. Includes wire line record details and pump specifications.

DRILLING CREW PATROLLI DATA: No. 117th Dec 1994. Well name: LOY YANG 1A. Company: CAPITAL ENERGY (GSV). Tool pusher: G. FLOREO / N. BEAMAN.

TIME DISTRIBUTION - HOURS table with columns for operation, night, and day. Includes rows for rig up, drilling, and various well operations.

FOOTAGE and DEVIATION RECORD tables. Includes columns for hole number, depth, and formation type. Includes a log of operations with time and remarks.

NIGHT TOUR table listing crew members and their roles for the night shift from 00:00 to 12:00. Includes names like Scott Tjahjela and Ian McSwain.

Summary table for well operations including sections for cement, casing, and other wellbore treatments. Includes columns for assembly, bit record, and mud record.

Summary table for well operations including sections for cement, casing, and other wellbore treatments. Includes columns for assembly, bit record, and mud record.

DAY TOUR table listing crew members and their roles for the day shift from 12:00 to 24:00. Includes names like Dennis White and Andrew Dickson.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

DAILY DRILLING REPORT REPORT NO.

WELL NO: **LOY YANG 1A** API WELL NUMBER: **1A** WATER-D: **10-12-94** DATE: **10-12-94**

OPERATOR: **CAPITAL ENERGY (GSV)** CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT. # | GRADE | TOOL JOG | TYPE | STRIKING NO. | W/P NO. | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|-------|-------|----------|------|--------------|---------|-------------------|---------|---------------|
| 4 1/2 | 16.6 | E | 6 1/4 | KIF | 1 | 1 | GARDNER DENVER | P2-29 | 12 |
| 4 1/2 | 10.7 | E | 6 1/4 | KIF | 2 | 2 | NATIONAL | KSH-280 | 12 |

FIELD OR DIST: **LOY YANG** COUNTY: **GIPZLAND** STATE: **VICTORIA** WIRE LINE RECORD: **1** NO LINES: **8** FT SLIPPED: **77**

| LAST CASING OR LINE | SIZE | MAKE | WT & GR | NO JOINTS | FEET | NO TO CSO | SET AT | SIZE | NO LINES | FT SLIPPED |
|---------------------|--------|------|---------|-----------|------|-----------|--------|-------|----------|------------|
| | 12 1/2 | SUMI | 54.5 | 9 | | 114 | | 1 1/2 | 8 | 77 |
| | 9 1/2 | BUTT | 36 | 31 | | 354 | | 1 1/2 | 8 | 77 |

PRESENT LENGTH: **161** TON IN OR TRIPS SINCE LAST CUT: **262** CALIBRATIVE TON IN OR TRIPS: **754**

DRILLING CREW PAYROLL DATA

DATE: **10 DEC 1994**

WELL NAME & NO: **LOY YANG 1A**

COMPANY: **CAPITAL ENERGY (GSV)**

TOOL PUSHER: **G. ELORIO / H. BEAMAN**

NO. **4**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|--------------|-------------------|------------------------------|-----------------------------------|
| 1 | BIT | 8 1/2" - 25 FT | BIT NO: 8 1/2" | TIME: 12:00 18:00 24:00 |
| 1 | B/SUB | 52 | SIZE: 8 1/2" | WEIGHT: 9.8 9.8 9.8 |
| 12 | DC 6 1/2" OD | 104-23 | TYPE: ENP-51A | VISC SEC: 50 50 50 |
| 1 | D JARS | 9-33 | SER NO: TC 6655 | GELS: 50 50 |
| 4 | STR | 36-60 | DEPTH IN: 1700 | W. CC: 3 |
| 12 | HWDP | 111-48 | DEPTH IN: 1700 | DN: 3 |
| | | | TOTAL HRS: 2 | SOLIDS: 3 |
| | | | TOTAL HRS: 3 | SOLIDS: 3 |
| | | | COND NO: 1 | MUD & CHEMICALS ADDED |
| | | | COND NO: 1 | TYPE: AMT TYPE: AMT |
| | | | STANDS DP: 1 | TYPE: AMT TYPE: AMT |
| | | | SINGLES DP: 1 | TYPE: AMT TYPE: AMT |
| | | | KELLY DOWN: 1 | TYPE: AMT TYPE: AMT |
| | | | TOTAL: 1 | TYPE: AMT TYPE: AMT |
| | | | WT OF STRING: 102.000 | LBS |

REMARKS: **S.R. 20 = 180 P.S.I. 25 = 240 P.S.I. 30 = 370 P.S.I.**

| FOOTAGE | FROM | TO | DP: R/W E CORE C | LORE NO | FORMATION (SHOW CORE RECOVERY) | RECORD NO | WT ON BIT 1000 | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|------|----|------------------|---------|--------------------------------|-----------|----------------|------------|-----------|------------|--------|
| 1700 | 1702 | D | | | | | 100 | 75 | 650 | 6 55 5 1/2 | S |

| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION |
|------------------|-------|-----|-----------|-------|-----|-----------|-------|-----|-----------|
| | | | | | | | | | |

| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------|-------|-------|--------------|---------|---|
| | 00:00 | 00:30 | 1/2 | 11 | CON'T RIG DOWN SCHLUMBERGER |
| | 00:30 | 05:30 | 5 | 6 | MAKE UP NEW 8 1/2" BIT & R.H. |
| | 05:30 | 08:30 | 3 | 2 | DRILL 8 1/2" HOLE FROM 1700 MTS TO 1702 MTS |
| | 08:30 | 12:00 | 3 1/2 | 8 | DRILLER UNABLE TO HOLD HOOD - WORK WITH BAND BRAKES. CALL MECHANIC. WORK ON BAND BRAKE ADJUSTMENT |

NIGHT TOUR 00:00 P.M. 12:00

| DRILLER | NAME |
|----------------|----------------|
| SCOTT TURNER | SCOTT TURNER |
| DRAMAN | NAME |
| IAN M'SWAIN | IAN M'SWAIN |
| ATTNMAN | NAME |
| DAVID SHIRKA | DAVID SHIRKA |
| FRSMAN | NAME |
| JARRY WIGG | JARRY WIGG |
| FLSMAN | NAME |
| GRAHAM BARTLET | GRAHAM BARTLET |
| FLSMAN | NAME |
| CHRIS THOMAS | CHRIS THOMAS |
| CRANE SUPV | NAME |
| | |
| MECHANIC | NAME |
| | |
| WELDER | NAME |
| | |
| ASTABOVI | NAME |
| | |
| ASTABOVI | NAME |
| | |
| TRAINEE | NAME |
| G/P | GRAHAM ELORIO |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|---------------------|------------------------------|-----------------------------------|
| 1 | BIT 8 1/2" - 25 FT | BIT NO: 8 1/2" | TIME: 12:00 18:00 24:00 |
| 1 | B/SUB 52 | SIZE: 8 1/2" | WEIGHT: 9.8 9.8 9.8 |
| 12 | DC 6 1/2" OD 104-23 | TYPE: ENP-51A | VISC SEC: 50 50 49 |
| 1 | D JARS 9-33 | SER NO: TC 6655 | GELS: 50 50 |
| 4 | STR 36-60 | DEPTH IN: 1734 | W. CC: 3 |
| 12 | HWDP 111-48 | DEPTH IN: 1700 | DN: 3 |
| | | TOTAL HRS: 1 1/2 | SOLIDS: 3 |
| | | TOTAL HRS: 1 1/2 | SOLIDS: 3 |
| | | COND NO: 1 | MUD & CHEMICALS ADDED |
| | | COND NO: 1 | TYPE: AMT TYPE: AMT |
| | | STANDS DP: 1 | TYPE: AMT TYPE: AMT |
| | | SINGLES DP: 1 | TYPE: AMT TYPE: AMT |
| | | KELLY DOWN: 3 AT | TYPE: AMT TYPE: AMT |
| | | TOTAL: 1734 | TYPE: AMT TYPE: AMT |
| | | WT OF STRING: 102.000 | LBS |

REMARKS: **S.R. 20 = 180 P.S.I. 25 = 240 P.S.I. 30 = 370 P.S.I.**

| FOOTAGE | FROM | TO | DP: R/W E CORE C | LORE NO | FORMATION (SHOW CORE RECOVERY) | RECORD NO | WT ON BIT 1000 | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|------|----|------------------|---------|--------------------------------|-----------|----------------|------------|-----------|------------|--------|
| 1702 | 1734 | D | | | SAND/SILT STRONG | | 100 | 75 | 650 | 6 55 5 1/2 | S |

| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION |
|------------------|-------|-----|-----------|-------|-----|-----------|-------|-----|-----------|
| | | | | | | | | | |

| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|----------|-------|-------|--------------|---------|---|
| | 12:00 | 15:30 | 3 1/2 | 8 | CONT WORK ON BAND BRAKES |
| | 15:30 | 24:00 | 8 1/2 | 2 | DRILL 8 1/2" HOLE FROM 1702 MTS TO 1734 MTS |

DAY TOUR 12:00 A.M. 24:00

| DRILLER | NAME |
|----------------|----------------------------------|
| DEANIE WHITE | DEANIE WHITE |
| DRAMAN | NAME |
| ANDREW DICKSON | ANDREW DICKSON |
| ATTNMAN | NAME |
| KICKY WHITE | KICKY WHITE |
| FRSMAN | NAME |
| GRAHAM MACHIE | GRAHAM MACHIE |
| FLSMAN | NAME |
| CHRIS TESSLER | CHRIS TESSLER |
| FLSMAN | NAME |
| TERRY KYNOLDS | TERRY KYNOLDS |
| CRANE SUPV | NAME |
| | |
| MECHANIC | NAME |
| | |
| WELDER | NAME |
| GLENN KINGWELL | GLENN KINGWELL |
| ASTABOVI | NAME |
| | |
| ASTABOVI | NAME |
| | |
| TRAINEE | NAME |
| T/P | NORMAN BEAMAN BERNIE ANDERSON |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

DAILY DRILLING REPORT REPORT NO.

WELL NO. 1A API WELL NUMBER DATE 9/12/94
OPERATOR LOY YANG CONTRACTOR RURAL WATER CORPORATION
CAPITAL ENERGY SIGNATURE OF OPERATOR'S REPRESENTATIVE
SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD OR DIST LOY YANG COUNTY GIPPSLAND STATE VICTORIA
WIRE LINE RECORD WELL NO. 1
NO LINES 8 FT SLEEVE 77
LAST CASING TUBING OF LINEA 13 3/4 Sumitomo 9 114.6
9 5/8 Bore 31 354.4

DRILLING CREW PAYROLL DATA
DATE 9TH DEC 1994
WELL NAME & NO LOY YANG 1A
COMPANY CAPITAL ENERGY
TOOL PUSHER G. ELDRED/M. BEAMAN

TIME DISTRIBUTION - HOURS
NO DRILLING ASSEMBLY BIT RECORD MUD RECORD
1 BIT 8 1/2 25 SIZE 7 7/8 TIME 04.08.00-12.00
1 Bore 52 WEIGHT 9.8 9.8
1 10 OD 39 MFG REED
12 104.23 TYPE HP 51A VISC SEC 51 50
1 10 OD 40 JETS 20/20/15
1 10 OD 9.33 SER NO XSD 2827
4 104.23 36.60 DEPTH OUT 1700 W. CC 1
12 104.23 111.48 DEPTH IN 1493
77 STANDS OF 1429.28 CONG. NO. 24111
111.48 DEPTH IN 1493
TOTAL 1700 FT
WT OF STRING 100,000 LBS

FOOTAGE DEPTH OF CORE CORE NO. FORMATION (SHOW CORE RECOVERY)
1700 CIRC & CONC MUD
DEVIATION RECORD
TIME LOG FROM TO LAPSE TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
00.00/01.00 1 6 CONT WIPER TRIP. R/H TO 1700 MDS 1/6 FULL
01.00/02.00 1 8 CIRC & CONC MUD
02.00/12.00 10 8 DRAWWORKS DRIVE CHAIN BROKEN. REPAIR SAME. ROTATE & CIRC MUD WHILE WAIT ON NEW CHAIN. FIT NEW CHAIN


NIGHT TOUR 00.00 P.M. 12.00
CREW SOLE SEC NO. NAME
DRILLER SCOTT TWOMEY
DIPMAN IAN McSWAIN
MTRAMAN DAVID SHURUP
FIREMAN GARY WIGG
FLAMAN GRAHAM BARLETT
FLAMAN CHRIS THOMAS
NO OF DAYS 1 SINCE LAST LOST TIME ACCIDENT

ESTIMATE TIME
NO DRILLING ASSEMBLY BIT RECORD MUD RECORD
1 BIT 8 1/2 25 SIZE 7 7/8 TIME 12.00-18.00
1 Bore 52 WEIGHT 9.8 9.8
1 10 OD 39 MFG REED
12 104.23 TYPE HP 51A VISC SEC 50 50
1 10 OD 40 JETS 20/20/15
1 10 OD 9.33 SER NO XSD 2827
4 104.23 36.60 DEPTH OUT 1700 W. CC 1
12 104.23 111.48 DEPTH IN 1493
77 STANDS OF 1429.28 CONG. NO. 24111
111.48 DEPTH IN 1493
TOTAL 1700 FT
WT OF STRING 100,000 LBS

FOOTAGE DEPTH OF CORE CORE NO. FORMATION (SHOW CORE RECOVERY)
1700 CIRC & CONC MUD
DEVIATION RECORD
TIME LOG FROM TO LAPSE TIME CODE NO. DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
12.00 13.00 1 8 CONT FIT NEW CHAIN TO DRAWWORKS.
13.00 18.00 5 6 P.O.O.H. w/ 8 1/2 BIT
18.00 23.30 5 1/2 11 R/W Schumbroegel Run #1
DIL - MSFL - BHC - SMC - CALPER - GR - SP.
23.30 24.00 1/2 11 RIG DOWN SCHUMBROEGER.

DAY TOUR 12.00 A.M. 24.00
CREW SOLE SEC NO. NAME
DRILLER DENIS WHITE
DIPMAN ANDREW DICKSON
MTRAMAN RICKY WHITE
FIREMAN GRAHAM MACKIE
FLAMAN CARL TESSELMAN
FLAMAN WAYNE BARLETT
FLAMAN TONY REYNOLDS
CRANE SLP
MECHANIC GLEN KINGWELL
WELDER
ROSTABOUT
ROSTABOUT
THAME
NO OF DAYS 1 SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

LEASE **LOY YANG** WELL NO **1A** API WELL NUMBER **WAT 107** DATE **8 12 94**

OPERATOR **CAPITAL ENERGY** CONTRACTOR **RURAL WATER CORPORATION** RIG NO **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT | OD | THREAD | STRING NO | PUMP NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|------|----|--------|-----------|---------|-------------------|---------|---------------|
| 7 1/2 | 16.6 | 16 | 6 1/4 | 1 | 1 | JACOBY DENVER | PZ-92 | 12" |
| 5 1/2 | 10.7 | 10 | 6 1/4 | 2 | 2 | NATIONAL | 157-28C | 12" |

FIELD OR DIST **LOY YANG** COUNTY **GIPPSLAND** STATE **VICTORIA** WIRE LINE RECORD REEL NO

| SIZE | MADE | WT & GA | NO JOINTS | FEET | END TO CSDG HD | SET AT | SIZE | NO LINES | PRESENT LENGTH |
|--------|------|---------|-----------|-------|----------------|--------|--------|----------|----------------|
| 13 3/4 | SUN | 36 | 9 | 114.6 | | | 1" | 8" | 77 |
| 9 5/8 | BUT | 36 | 31 | 354.4 | | | 1 1/2" | 15 1/2" | 650 |

DRILLING CREW PAYROLL DATA

DATE **8th DEC - 1994**

WELL NAME & NO **LOY YANG 1A**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **G.FLOREO/N BEAMAN** RIG NO

NIGHT TOUR **00 00** P.M. **12 00**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|--------------------------|-------------------------|-----------------------|
| OPERATION | 1 | BIT 8 1/2" .25 FT | BIT NO 7" | TIME 04:00-06:00 |
| UP AND TEAR DOWN | 1 | BT SUB .52 | SIZE 8 1/2" | WEIGHT 9.8/9.8 |
| DRILL ACTUAL | 12 | 1 1/2" X 10" OD .39 FT | MFG REED | PRESSURE GRADIENT |
| HEAVING | | 12 1/2" X 10" OD .39 FT | TYPE HP 51A | VISC SEC 4.9 4.9 4.8 |
| CORING | | 1 1/2" X 10" OD .46 FT | JETS 132 20/20/15 | |
| CONDITION MUD & CIRCULATE | 1 | 1 1/2" JARS 9.33 | SER NO 1500-20 | GELS |
| TRIPS | 2 | 4 1/2" X 10" OD .60 FT | DEPTH OUT 3.1 H | WL CC 1 |
| LUBRICATE RIG | | 12 1/2" X 10" OD .48 FT | DEPTH IN 14.93 | DP |
| REPAIR RIG | | | TOTAL 184 | SOLIDS |
| CUT OFF DRILLING LINE | | | TOTAL HRS RUN 56 | |
| DEVIATION SURVEY | | | | |
| WIRE LINE LOGS | | | | |
| RUN CASING & CEMENT | 75 | STANDS UP 1401.75 | CONC 118-1 TUBAGE 1 N/C | MUD & CHEMICALS ADDED |
| WAIT ON CEMENT | | SINGLES DP 12:00 | | |
| SUPPLE UP BOP | | WELL DOWN 11:48 | | |
| TEST BOP | | TOTAL 11:77-00 | | |
| DRILL STEM TEST | | WT OF STRING 100,000 LBS | | |
| LOG BACK | | | | |
| SQUEEZE CEMENT | | | | |
| FISHING | | | | |
| DAY WORK | | | | |

REMARKS: #1 @ 1670 N/A 8 P.P.C. S.P.L. 20 = 120 P.S.I. 25 = 230 P.S.I. 30 = 200 P.S.I.

| FOOTAGE | DR & RUN & CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | ROTARY RMP | WT ON BIT 1000 | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------------------|---------|--------------------------------|------------|---|------------|-----------|-----------|-----------|
| 1643 1677 | D | | Sand/CLAY SOIL | 110 | 3/5 | 600 | 6" | 55 | 53 - 5 |
| DEVIATION RECORD | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION |
| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | |
| | 00:00 | 12:00 | 12 | 2 | DRILL 8 1/2" HOLE FROM 1643 TO 1677 MTS | | | | |

| CREW | SOX SEC NO | NAME |
|------------|------------|---------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | JAM MESSIAH |
| ATTENDANT | | DAVID SHIRAZ |
| TRIPMAN | | GARRY WIGG |
| FLAMAN | | GRAHAM BAKER |
| FLAMAN | | TIM FRESHER |
| CHANE SUPV | | |
| MECHANIC | | |
| WELDER | | |
| RESTABOUT | | |
| RESTABOUT | | |
| TRAINER | | |
| T/P | | GRAHAM FLOREO |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|--------------------------|-------------------------|------------------------|
| 1 | BIT 8 1/2" .25 FT | BIT NO 7" | TIME 16:00 20:00 24:00 |
| 1 | BT SUB .52 | SIZE 8 1/2" | WEIGHT 9.8 9.8 |
| 1 | 1 1/2" X 10" OD .39 FT | MFG REED | PRESSURE GRADIENT |
| 12 | 1 1/2" X 10" OD .39 FT | TYPE HP 51A | VISC SEC 4.9 5.0 |
| 1 | 1 1/2" X 10" OD .46 FT | JETS 132 20/20/15 | |
| 1 | 1 1/2" JARS 9.33 | SER NO 1500-21 | GELS |
| 4 | 4 1/2" X 10" OD .60 FT | DEPTH OUT 1700 | WL CC 1 |
| 12 | 12 1/2" X 10" OD .48 FT | DEPTH IN 14.93 | DP |
| | | TOTAL 207 | SOLIDS |
| 77 | STANDS UP 1429.28 | CONC 118-1 TUBAGE 1 N/C | MUD & CHEMICALS ADDED |
| | SINGLES DP 7.5 MTS | | |
| | WELL DOWN 17:00 | | |
| | TOTAL 17:00 | | |
| | WT OF STRING 100,000 LBS | | |


REMARKS

| FOOTAGE | DR & RUN & CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | ROTARY RMP | WT ON BIT 1000 | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------------------|---------|--------------------------------|------------|---|------------|-----------|-----------|-----------|
| 1677 1700 | D | | Sand/CLAYSTONE | 110 | 3/5 | 600 | 6" | 55 | 53 - 5 |
| DEVIATION RECORD | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION |
| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | |
| | 12:00 | 21:00 | 9 | 2 | DRILL 8 1/2" HOLE FR/1677 MTS TO 1700 MTS. | | | | |
| | 21:00 | 22:00 | 1 | 5 | CIRC RIMS UP | | | | |
| | 22:00 | 24:00 | 2 | 6 | WIPER TRIP 20 STD DRILL PIPE TO 1324 MTS. | | | | |

| CREW | SOX SEC NO | NAME |
|------------|------------|----------------------------------|
| DRILLER | | Dennis White |
| DRAWMAN | | ANDREW DICKSON |
| ATTENDANT | | Ricky White |
| TRIPMAN | | GRAHAM MICKEN |
| FLAMAN | | C. TESSELAAR |
| FLAMAN | | Wayne Bartholomew |
| FLAMAN | | Tony Karpelos |
| CHANE SUPV | | |
| MECHANIC | | |
| WELDER | | Glenn Kingwell |
| RESTABOUT | | |
| RESTABOUT | | |
| TRAINER | | |
| T/P | | Norris Beaman Bernie Anderson |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **LOY YANG** API WELL NUMBER **1A** DATE **7-12-92**

OPERATOR **CAPITAL ENERGY** CONTRACTOR **RURAL WATER CORPORATION** RIG NO. **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT | GRADE | TOOL JO OD | TYPE/THREAD | STRING NO | JOINT NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|------|-------|------------|-------------|-----------|----------|-------------------|---------|---------------|
| 4 1/2 | 16.6 | B | 6 3/4 | 4 IP | 1 | 1 | CARDINAL DENVER | FZ-92 | 12" |
| 4 1/2 | 16.7 | B | 6 3/4 | 4 IP | 2 | 2 | NATIONAL | KST-280 | 12" |

FIELD OR DIST **LOY YANG** COUNTY **GIPPSLAND** STATE **VICTORIA** WIRE LINE RECORD REEL NO.

| SIZE | MAKE | WT & GR | NO JOINTS | FEET | HOLES TO CSG NO | SET AT | SIZE | NO LINES | FT SLEEVED |
|-------|------|---------|-----------|-------|-----------------|--------|-------|----------|------------|
| 1 1/2 | Sumi | 5x8 | 9 | 116.6 | | | 1 1/2 | 8 | 77 |
| 9 3/8 | BLT | 52x53 | SI | 55x46 | | | | | |

LAST LADING TUBING OR LINES: **1334** CUT OFF: **161** PRESENT LENGTH: **77**

TON MI OR TRIPS SINCE LAST CUT: **116** TON MI ON TRIPS: **600**

DRILLING CREW PAYROLL DATA

DATE **7th Dec 1994**

WELL NAME & NO **LOY YANG 1A**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **G. ELWOOD/H. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------------------|------------------------|------------------|------------------------|
| 1 | BIT 8 1/2" | 25 FT | BIT NO 7# | TIME 04:00 06:00 12:00 |
| 1 | B SUB | 52 | SIZE 8 1/2 | WEIGHT 0.0 10.0 9.8 |
| 1 | X 10 OD | 39 FT | MFC REED | PRESSURE GRADIENT |
| 12 | DC 6 1/2 OD | 104' 23" | TYPE HP 51A | VISC SEC 50 51 50 |
| 1 | X 10 OD | 46 FT | JETS 1/2 | PUMP |
| 1 | WARS OD | 9' 33" | SER NO JK50-2827 | GELS |
| 4 | 3 1/2" DIA | 36.60 | DEPTH IN 5.14 | WT CCS |
| 12 | HWDP | 111.48 | DEPTH IN 149.3 | DP |
| 72 | STANDS OF 1337.57 | COND TUB TUBGAGE 9 N L | TOTAL HRS RUN 32 | SOLIDS |
| 12 | HWDP | 111.48 | TOTAL HRS RUN 32 | SOLIDS |

REMARKS: **Change to No 2 mud pump @ 16.00 @ 68 spm @ 600 psi.**

| FOOTAGE | FORMATION | ROTARY RPM | WT ON BIT TONN | PUMP PRESS | PUMP NO/ LNER SIZE | PUMP NO 2 LNER SIZE | METHOD |
|---------|-----------|-----------------|----------------|------------|--------------------|---------------------|--------|
| 1573 | 1612 D | SAND/CLAY STONE | 120 | 35/55 | 6" 55 52 | - S | DRILL |

DEVIATION RECORD

| DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION |
|-------|-----|-----------|-------|-----|-----------|
|-------|-----|-----------|-------|-----|-----------|

TIME LOG

| FROM | TO | LAPSE TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------|-------|------------|---------|---|
| 0000 | 12:00 | 12 | 2 | Drill 8 1/2" Hole From 1573 TO 1612 mts. |

NIGHT TOUR **00:00** P.M. **12:00**

| CREW | SOB SEC NO | NAME |
|-----------|------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | IAN MCGWATH |
| MTRAMAN | | DAVID SHIRRA |
| WELDER | | GARY WIGG |
| FLAMAN | | GRAHAM BARTLET |
| FLAMAN | | JIM THUESNER |
| FRAME SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| | | T/P |
| | | GRAHAM ELWOOD |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------------------|------------------|
| 1 | BIT 8 1/2" | 25 FT | BIT NO 7# |
| 1 | B SUB | 52 | SIZE 8 1/2 |
| 1 | X 10 OD | 39 FT | MFC REED |
| 12 | DC 6 1/2 OD | 104' 23" | TYPE HP 51A |
| 1 | X 10 OD | 46 FT | JETS 1/2 |
| 1 | WARS OD | 9' 33" | SER NO JK50-2827 |
| 4 | 3 1/2" DIA | 36.60 | DEPTH IN 164.3 |
| 12 | HWDP | 111.48 | DEPTH IN 149.3 |
| 74 | STANDS OF 1374.20 | COND TUB TUBGAGE 1 M C | TOTAL HRS RUN 44 |
| 12 | HWDP | 111.48 | TOTAL HRS RUN 44 |

REMARKS: **Change to No 2 mud pump @ 16.00 @ 68 spm @ 600 psi.**

| FOOTAGE | FORMATION | ROTARY RPM | WT ON BIT TONN | PUMP PRESS | PUMP NO/ LNER SIZE | PUMP NO 2 LNER SIZE | METHOD |
|---------|-----------|-----------------|----------------|------------|--------------------|---------------------|--------|
| 1612 | 1643 D | SAND/CLAY STONE | 100 | 25/60 | 6" 55 52 | - S | DRILL |

DEVIATION RECORD

| DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION |
|-------|-----|-----------|-------|-----|-----------|
|-------|-----|-----------|-------|-----|-----------|

TIME LOG

| FROM | TO | LAPSE TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|------------|---------|---|
| 12:00 | 24:00 | 12 | 2 | Drill 8 1/2" hole From 1612 mts to 1643 mts. |

DAY TOUR **12:00** A.M. **24:00**

| CREW | SOB SEC NO | NAME |
|-----------|------------|-------------------|
| DRILLER | | Dennis White |
| DRAWMAN | | Andrew Dickson |
| MTRAMAN | | Ricky White |
| WELDER | | Graham Mackie |
| FLAMAN | | Henry Kwiatkowski |
| FLAMAN | | Wayne Backett |
| FLAMAN | | Tony Reynolds |
| FRAME SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| | | Glen Ringwell |
| | | T/P |
| | | Norris Beaman |
| | | Bernie Anderson |



DRILLING SERVICES
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 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | |
|--|--|---|-----------------------------|
| LEASE LOY YANG | WELL NO IA | API WELL NUMBER | DATE 6/12/94 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | |
| LF SIZE 16.6 | WT AT 6 | TOOL JOG 6.25 | TYPE THREAD 1 |
| LF SIZE 10.0 | WT AT 6 | TOOL JOG 6.25 | TYPE THREAD 2 |
| PUMP NO 1 | PUMP MANUFACTURER PEARSONAL PUMP VER | TYPE F2-29 | STROKE LENGTH 12" |
| PUMP NO 2 | PUMP MANUFACTURER NATIONAL | TYPE NSV-380 | STROKE LENGTH 12" |

| | | | | |
|---|------------------------------|-------------------------------|---|-------------------------------|
| FIELD OR DIST LOY YANG | COUNTY CAPITLAND | STATE VICTORIA | WIRE LINE RECORD NO. LINES 8 | FEET 77 |
| LAST DRILLING TUBING ON LINE 13 3/4 | SIZE 5.0 | MAKE SEA | WT & GRA 56 | NO JOINTS 9 |
| 9 5/8 | SIZE 3.5 | MAKE SEA | WT & GRA 36 | NO JOINTS 31 |
| FT CUT OFF 114.6 | PRESENT LENGTH 161 | TON IN OR TRIPS 101 | CONDUIT 593 | TON IN OR TRIPS 593 |

DRILLING CREW PAYROLL DATA

DATE **6th Dec 1994**

WELL NAME & NO **LOY YANG IA**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **G. ELDRED/H. B. JAMES**

NIGHT TOUR **00:00 P.M. 12:00**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------------------|-------------------|---------------|-------------------|
| 1 | BIT 8 1/2 | .25 FT | BIT NO 9 | TIME 06:00 12:00 |
| 1 | 0/600 | .52 | SIZE 8 1/2 | WEIGHT 10.0 10.0 |
| 1 | 1/10 OD | .39 FT | MFC REED | PRESSURE GRADIENT |
| 12 | 1/10 OD | 104.23 | TYPE H/S/A | VISC SEC 57. 52 |
| 1 | 1/10 OD | .46 | JETS 132 | PHVP |
| 1 | 1/10 OD | 9.33 | SEP NO 857287 | GELS |
| 4 | 1/10 OD | 36.60 | DEPTH IN 1493 | W. CC 1 |
| 12 | HWDP 111.48 | | DEPTH IN 1493 | SP |
| 67 | STANDS DP 1245.76 | | TOTAL HRS 8 | SOLIDS |
| 12 | HWDP 111.48 | | TOTAL HRS 8 | SOLIDS |
| WT OF STRING 96,000 | | | | |
| REMARKS | | | | |
| 1 | 1/10 OD | 104.23 | TYPE H/S/A | VISC SEC 51 52 50 |
| 1 | 1/10 OD | .46 | JETS 132 | PHVP |
| 1 | 1/10 OD | 9.33 | SEP NO 857287 | GELS |
| 4 | 1/10 OD | 36.60 | DEPTH IN 1573 | W. CC 1 |
| 12 | HWDP 111.48 | | DEPTH IN 1493 | SP |
| 70 | STANDS DP 1308.80 | | TOTAL HRS 20 | SOLIDS |
| 12 | HWDP 111.48 | | TOTAL HRS 20 | SOLIDS |
| WT OF STRING 97,000 | | | | |
| REMARKS | | | | |

| FOOTAGE | FORMATION | ROTARY | ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|-----------|-------------------|--------|--------|------------|-------------|-----------|--------|
| 1493 1500 | D SAND/CLAY STONE | 120 | 36 | 45.7 | 6" 56 5 1/2 | - S | S |
| 1500 1521 | D " " " | 120 | 36 | 45.7 | 6" 56 5 1/2 | - S | S |

| TIME LOG | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------------|---------|---|
| 00:00 01:00 | 1 9 | Sup & cut 77' Drill Line |
| 01:00 04:00 | 3 6 | Cont RH w/ NEW 8 1/2" B.V. |
| 04:00 12:00 | 8 2 | Drill 8 1/2" Hole F/ 1493 TO 1521 mts |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SEC | NAME |
|-----------|-----|-------------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | IAN M'SWAIN |
| ATTENDANT | | DAVID SHIRA |
| FIREMAN | | GARRY WEGG |
| FIREMAN | | GRAHAM BARTLETT |
| FIREMAN | | SIM THREBHER |
| CRANE SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOU | | |
| ASTABOU | | |
| TRAINER | | |
| | | TIP GRAHAM ELDRED |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------|-------------------|------------|---------------|
| 1 | BIT 8 1/2 | .25 FT | BIT NO 9 |
| 1 | 1/10 OD | .39 FT | MFC REED |
| 12 | 1/10 OD | 104.23 | TYPE H/S/A |
| 1 | 1/10 OD | .46 | JETS 132 |
| 1 | 1/10 OD | 9.33 | SEP NO 857287 |
| 4 | 1/10 OD | 36.60 | DEPTH IN 1573 |
| 12 | HWDP 111.48 | | DEPTH IN 1493 |
| 70 | STANDS DP 1308.80 | | TOTAL HRS 20 |
| 12 | HWDP 111.48 | | TOTAL HRS 20 |
| WT OF STRING 97,000 | | | |
| REMARKS | | | |

| FOOTAGE | FORMATION | ROTARY | ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|-----------|-------------------|--------|--------|------------|-------------|-----------|--------|
| 1521 1573 | D SAND/CLAY STONE | 100 | 36 | 45.7 | 6" 56 5 1/2 | - S | S |

| TIME LOG | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------------|---------|---|
| 12:00 24:00 | 12 2 | Drill 8 1/2" hole F/ 1521 mts to 1573 mts |

DAY TOUR 12:00 A.M. 24:00

| CREW | SEC | NAME |
|-----------|-----|--------------------|
| DRILLER | | Denis White |
| DRAWMAN | | Andrew Dickson |
| ATTENDANT | | Ricky White |
| FIREMAN | | C. TESSELAAR |
| FIREMAN | | Henry Kudeczky |
| FIREMAN | | Wayne Bartlett |
| FIREMAN | | Tony Reynolds |
| CRANE SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOU | | |
| ASTABOU | | |
| TRAINER | | |
| | | TIP Glenn Kingwell |
| | | TIP Noelie Bennett |
| | | Bernie Anderson |



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

LEASE: **LOY YANG** WELL NO: **1A** API WELL NUMBER: _____ WATERDEPTH: _____ DATE: **5-12-94**

OPERATOR: **CAPITAL ENERGY** CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: _____ SIGNATURE OF CONTRACTOR'S TOOL PUSHER: _____

| SIZE | WT. (M) | GRIND | DOC. F.O.D. | TYPE/THREAD | STRING NO. | PUMP NO. | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|---------|-------|-------------|-------------|------------|----------|-------------------|---------|---------------|
| 4 1/2 | 16.6 | E | 6 1/4 | 1 1/2 IP | 1 | 1 | GARDNER DENVER | FZ-29 | 12" |
| 4 1/2 | 10.7 | AWA E | 6 1/4 | 1 1/2 IP | 2 | 2 | NATIONAL | W5H-29D | 12" |

FIELD OR DIST: **LOY YANG** COUNTY: **GIPPSLAND** STATE: **VICTORIA** WIRE LINE RECORD: _____

| SIZE | MAKE | WT. & GR. | NO. JOINTS | FEET | HOLE TC | SET AT | SIZE | NO. LINES | FT. SUPPLY |
|--------|-------|-----------|------------|-------|---------|--------|-------|-----------|------------|
| 13 3/4 | SUMI | 5 1/2 | 9 | 114.6 | 114.6 | 114.6 | 1 1/4 | 8 | 90 |
| 9 1/2 | ROVIT | 36 1/2 | 51 | 334.6 | 334.6 | 334.6 | 1 1/4 | 8 | 90 |

LAST CASING TUBING OR LINER: _____ PRESENT LENGTH: _____

TON. W. OR TRIPS SINCE LAST CUT: _____ TON. W. OR TRIPS SINCE LAST CUT: _____

DRILLING CREW PAYROLL DATA

DATE: **5th DEC 1994**

WELL NAME & NO: **LOY YANG 1A**

COMPANY: **CAPITAL ENERGY**

TOOL PUSHER: **G ELOARD / N BEAMAN**

NIGHT TOUR: **00:00** P.M. **12:00**

| CREW | SEC | SEC NO. | NAME |
|---------|-----|---------|-----------------|
| DRILLER | | | SCOTT TURNER |
| DRAWMAN | | | DAVID SHIRRA |
| MTRAMAN | | | GARRY WIGG |
| WELDER | | | GRAHAM BARKLETT |
| FLUMAN | | | Jim THRESHAR |
| FLUMAN | | | CHRIS THOMAS |

| TIME DISTRIBUTION - HOURS | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|-----------------|------------------------|
| DRILL UP AND TAP DOWN | 1 | BIT 8 1/2" .25 FT | BIT NO 6" | TIME 00:00 04:00 05:00 |
| DRILL ACTUAL | 1 | 1 1/2" OD .39 FT | SIZE 8 1/2" | WEIGHT 10.1 10.0 10.0 |
| HEAVING | 12 | 1 1/2" OD .39 FT | MFC VAAEL | PRESSURE GRADIENT |
| CONDITION MUD & CIRCULATE | 1 | 1 1/2" OD .39 FT | TYPE ETD 417 | VISC SEC 64 62 60 |
| TRIPS | 1 | 1 1/2" OD .39 FT | JETS 132 | PUMP 20 20 16 |
| LUBRICATE MUD | 4 | 1 1/2" OD .39 FT | SER NO 9494 | GELL |
| REPAIR RIG | 12 | 1 1/2" OD .39 FT | DEPTH OUT 1071 | W. CC |
| CUT OFF DRILLING LINE | 12 | 1 1/2" OD .39 FT | DEPTH IN 1071 | DP |
| DEVIATION SURVEY | | | TOTAL 404 | SOLIDS |
| WIRE LINE LOGS | | | TOTAL WEL 109 | |
| RUN CASING & CEMENT | | | STANDS DP 1 INC | MUD & CHEMICALS ADDED |
| WAIT ON CEMENT | | | SINGLES DP | TYPE AMT TYPE AMT |
| SQUEEZE CEMENT | | | WELL DOWN | |
| FINISHING | | | TOTAL | |
| DRILL STEM TEST | | | WT OF STRING | |
| PLUG BACK | | | REMARKS | |
| SOQUEZE CEMENT | | | | |
| FINISHING | | | | |
| DR. WORK | | | | |
| DR. WORK | | | | |
| DR. WORK | | | | |

REMARKS: SPR 20 = 140 P.S.I. 25 = 270 P.S.I. 30 = 380 P.S.I.

DOE WELL

CROWN-O-MATIC

| FOOTAGE | | DEP. IN | CORE NO. | FORMATION | ROTARY RPM | WT. ON BIT 1000 | PUMP PRESS | PUMP NO. 1 | PUMP NO. 2 | METHOD |
|------------------|------|--------------|----------|---|------------|---|------------|------------|------------|-----------|
| FROM | TC | E-APPLY TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | |
| 1435 | 1475 | 0 | | SAND/CLAY STONE | 120 | 3 1/2 | 650 | 6" | 56 53 | - S |
| DEVIATION RECORD | | DEPTH | DI. | DIRECTION | DEPTH | DI. | DIRECTION | DEPTH | DI. | DIRECTION |
| TIME LOG | | FROM | TC | E-APPLY TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | |
| | | 00:00 | 12:00 | 12. | 2 | Drill 8 1/2" Hole from 1435 mts. to 1475 mts. | | | | |

DAY TOUR: **12:00** A.M. **24:00**

| CREW | SEC | SEC NO. | NAME |
|---------|-----|---------|----------------|
| DRILLER | | | JENNIE WHITE |
| DRAWMAN | | | ANDREW DICKSON |
| MTRAMAN | | | RICKY WHITE |
| WELDER | | | C. TESSELAAR |
| FLUMAN | | | HENRY KUCZEK |
| FLUMAN | | | WAYNE BARTHELT |
| FLUMAN | | | TONY FAYNOLDS |

REMARKS: T/P

NAME: **GRAHAM ELOARD**

| NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|----------------------------|------------------------|
| 1 | BIT 8 1/2" .25 FT | BIT NO 6" | TIME 12:00 16:00 20:00 |
| 1 | 1 1/2" OD .39 FT | SIZE 8 1/2" | WEIGHT 10.0 10.0 |
| 12 | 1 1/2" OD .39 FT | MFC VAAEL | PRESSURE GRADIENT |
| 1 | 1 1/2" OD .39 FT | TYPE ETD 417 | VISC SEC 54 52 |
| 1 | 1 1/2" OD .39 FT | JETS 132 | PUMP 20 20 15 |
| 1 | 1 1/2" OD .39 FT | SER NO 9494 | GELL |
| 4 | 1 1/2" OD .39 FT | DEPTH OUT 1493 | W. CC |
| 12 | 1 1/2" OD .39 FT | DEPTH IN 1071 | DP |
| | | TOTAL 422 | SOLIDS |
| | | TOTAL WEL 114 | |
| | | STANDS DP 2 8 1/2 IN 1 INC | MUD & CHEMICALS ADDED |
| | | SINGLES DP 12 18 28 | TYPE AMT TYPE AMT |
| | | WELL DOWN 12:00 | |
| | | TOTAL 1493:00 | |
| | | WT OF STRING | |
| | | REMARKS | |
| | | TRIP DRILL 25 | |

REMARKS: TRIP DRILL 25

CROWN-O-MATIC

| FOOTAGE | | DEP. IN | CORE NO. | FORMATION | ROTARY RPM | WT. ON BIT 1000 | PUMP PRESS | PUMP NO. 1 | PUMP NO. 2 | METHOD |
|------------------|------|--------------|----------|---|------------|--|------------|------------|------------|-----------|
| FROM | TC | E-APPLY TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | |
| 1475 | 1493 | 0 | | SAND/CLAY STONE | 110 | 3 1/2 | 650 | 6" | 56 53 | - S |
| DEVIATION RECORD | | DEPTH | DI. | DIRECTION | DEPTH | DI. | DIRECTION | DEPTH | DI. | DIRECTION |
| TIME LOG | | FROM | TC | E-APPLY TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | |
| | | 12:00 | 14:30 | 2 1/2 | 2 | Drill 8 1/2" hole FM 1475 mts to 1493 mts | | | | |
| | | 14:30 | 15:00 | 2 | 5 | Circ for sample @ 1484 mts. | | | | |
| | | 15:00 | 17:30 | 2 1/2 | 2 | Drill 8 1/2" hole FM 1484 mts to 1493 | | | | |
| | | 17:30 | 18:30 | 1 | 5 | Circ string up @ 1493 mts for survey / survey | | | | |
| | | 18:30 | 24:00 | 5 1/2 | 6 | P.O.D.H w/ 8 1/2" bit, MAKE UP NEW 1 1/2" B.S. & RIM ON BHA. | | | | |

DAY TOUR: **12:00** A.M. **24:00**

| CREW | SEC | SEC NO. | NAME |
|---------|-----|---------|----------------|
| DRILLER | | | JENNIE WHITE |
| DRAWMAN | | | ANDREW DICKSON |
| MTRAMAN | | | RICKY WHITE |
| WELDER | | | C. TESSELAAR |
| FLUMAN | | | HENRY KUCZEK |
| FLUMAN | | | WAYNE BARTHELT |
| FLUMAN | | | TONY FAYNOLDS |

REMARKS: T/P

NAME: **GLAN KINGWELL**

NAME: **T/P NARRIS BEAMAN**

NAME: **BARBIE ANDERSON**

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Padstow, Melbourne Victoria 3207
196 Turner Street, Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

CLASS **LOY YANG** WELL NO **1 A** AP. WELL NUMBER DATE **4:12:94**

OPERATOR **CAPITAL ENERGY** CONTRACTOR **RURAL WATER CORPORATION** RIG NO **4**
SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

FIELD OF DIST **LOY YANG** CO. **CIPISLAND** STATE **VICTORIA** WIRE LINE RECORD WELL NO
LAST CASING TUBING OF LINEAR SIZE **13 3/4** MAKE **SUMI** WT & GRA **54.5** NO JOINTS **9** FEET **114.6** SIZE **1"** NO LINES **8'** FT SLIPPED
9 5/8 BUT 36 KISS 3. 114.6

DRILLING CREW PAYROLL DATA
DATE **1st Dec 1994**
WELL NAME & NO **LOY YANG 1A**
COMPANY **CAPITAL ENERGY**
TOOL PUSHER **G. EDWARDS / N. BEAMAN**

| TIME DISTRIBUTION - HOURS | | NO | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------------------|-----------|-------|-----|-------------------|-------------------|------------|--------|------------|--------|
| CODE | OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT NO | SIZE | TIME | WEIGHT |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 00:00 | 10.0 |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 04:00 | 10.0 |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 08:00 | 10.0 |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 12:00 | 10.0 |

| FOOTAGE | | DR I | | CORE | | FORMATION | | ROTARY | | PUMP | | PUMP | | METHOD | |
|---------|------|-------|-------|------|----|---------------------|---------|--------|------|------|------|------|------|--------|------|
| FROM | TO | TIME | LOG | TYPE | NO | RECOVERED | REMARKS | NO | TYPE | NO | TYPE | NO | TYPE | NO | TYPE |
| 1359 | 1392 | 12:00 | 12:00 | D | 2 | SANDSTONE/CLAYSTONE | 120% | 660 | 6" | 60 | 60 | 5 | S | | |

NIGHT TOUR **00:00** P.M. **12:00**

| CREW | DOC | SEC | NC | NAME |
|-----------|-----|-----|----|-----------------|
| DRILLER | | | | SCOTT TURNER |
| DRAWMAN | | | | DAVID SHIRRA |
| ATTENDANT | | | | PARRY WILCOX |
| FOREMAN | | | | GRAHAM BARTRETT |
| FLYMAN | | | | JIM THRESDALE |
| FLYMAN | | | | CHRIS THOMAS |

| COMPLETION | | NO | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|------------|-----------|-------|-----|-------------------|-------------------|------------|--------|------------|--------|
| CODE | OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT NO | SIZE | TIME | WEIGHT |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 12:00 | 10.0 |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 16:00 | 10.0 |
| 1 | DRILL | 12 | 12 | 1 | 8 1/2" OD | 6" | 8 1/2" | 20:00 | 10.0 |

| FOOTAGE | | DR I | | CORE | | FORMATION | | ROTARY | | PUMP | | PUMP | | METHOD | |
|---------|------|-------|-------|------|----|----------------|---------|--------|------|------|------|------|------|--------|------|
| FROM | TO | TIME | LOG | TYPE | NO | RECOVERED | REMARKS | NO | TYPE | NO | TYPE | NO | TYPE | NO | TYPE |
| 1392 | 1435 | 12:00 | 12:00 | D | 2 | SAND/CLAYSTONE | 100% | 660 | 6" | 60 | 60 | 5 | S | | |

DAY TOUR **12:00** A.M. **24:00**

| CREW | DOC | SEC | NC | NAME |
|-----------|-----|-----|----|-------------------|
| DRILLER | | | | Dennis White |
| DRAWMAN | | | | Andrew Jackson |
| ATTENDANT | | | | Garry White |
| FOREMAN | | | | C. F. L. L. L. |
| FLYMAN | | | | HENRY KURDEZKI |
| FLYMAN | | | | WALTER BARTHELETT |
| FLYMAN | | | | TONY KEYNOLDS |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: LOY YANG 1A DATE: 13/12/94
API WELL NUMBER: DATE: 13/12/94

OPERATOR: CAPITAL ENERGY CONTRACTOR: RURAL WATER CORPORATION 4
SIGNATURE OF OPERATOR'S REPRESENTATIVE: SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

Table with columns for size, make, wt & gr, no joints, feet, and other technical specifications for drilling equipment.

Table with columns for field of dist, county, state, wire line record, and other well data.

DRILLING CREW PAYROLL DATA
DATE: 3RD DEC 1994
WELL NAME & NO: LOY YANG 1A
COMPANY: CAPITAL ENERGY
TOOL PUSHER: G. ELORED / H. BEAMAN

TIME DISTRIBUTION - HOURS table with columns for operation, night, day, and hours spent on various tasks like running rig, repairing rig, etc.

NO DRILLING ASSEMBLY BIT RECORD MUD RECORD table with columns for bit size, depth, mud weight, and other drilling parameters.

FOOTAGE DE & RHP CORE CORE NO FORMATION table with columns for footage, core number, and formation type.

NIGHT TOUR 00:00 - 12:00 table with columns for crew member names and roles.

COMPLETION table with columns for perforation, tripping, treating, and other completion activities.

NO DRILLING ASSEMBLY BIT RECORD MUD RECORD table for completion phase with columns for bit size, depth, and mud weight.

FOOTAGE DE & RHP CORE CORE NO FORMATION table for completion phase with columns for footage, core number, and formation type.

DAY TOUR 12:00 - 24:00 table with columns for crew member names and roles.

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | |
|--|--|---|-----------------------------|
| OPERATOR LOY YANG | WELL NO 1A | API WELL NUMBER | DATE 2-12-94 |
| CONTRACTOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | |
| SIZE 4 1/2 10.6 | WT 6.4 | TYPE 4 1/2 | STROKE LENGTH 12" |
| SIZE 4 1/2 10.7 | WT 6.4 | TYPE 4 1/2 | STROKE LENGTH 12" |

| | | | |
|---|----------------------------|--------------------------|------------------------|
| FIELD OFFICE LOY YANG | COUNTY GRAPSLAND | STATE VICTORIA | WIRE LINE RECORD |
| SIZE 13 3/4 | MAKE SUMI | WT & GR 54 S | NO JOINTS 9 |
| LAST CASING TUBING OR LIFER 7 1/2 | MAKE BUT | WT & GR 36 RS | NO JOINTS 31 |
| FEET 114.6 | FEET 384.4 | FEET 114.6 | FEET 384.4 |

DRILLING CREW PAYROLL DATA
DATE **2ND DEC 1994**
WELL NAME & NO **LOY YANG 1A**
COMPANY **CAPITAL ENERGY**
TOOL PUSHER **G. FLORES / N. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|---------|-----------------------------|-------------------------|------------------------|
| 1 | BIT | 8 1/2" .25 FT | BIT NO 6" | TIME 00:00 06:16 12:00 |
| 1 | BS | 8 1/2" .52 | SIZE 8 1/2" | WEIGHT 10.0 10.0 10.0 |
| 1 | BS | 10" .39 FT | MFG NARL | PRESSURE GRADIENT |
| 12 | DC | 104.23 | TYPE RTD47 | VISC SEC 52 51 50 |
| 1 | BS | 10" .46 FT | JETS 132 | W. CC 1 |
| 1 | BS | 9.33 FT | SER NO 9494 | DE-3 |
| 4 | BS | 36.60 | DEPTH 12.83 | W. CC 1 |
| 12 | HW | 111.48 | DEPTH IN 1071 | SP |
| | | | TOTAL FTG 162 | SOLIDS |
| | | | TOTAL HRS RUN 39 | |
| 51 | STANDS | 961.37 | COND HB 1 TUBGAGE 1 M C | MUD & CHEMICALS ADDED |
| 1 | SINGLES | 10.00 FT | GRMP/PS | |
| | | 1233 FT | | |
| | | 96,000 LBS | | |
| | | REMARKS Q1209 w/10.0 P.S.I. | | |
| | | S.P.L. 25.220 P.S.I. | | |
| | | 30.300 P.S.I. | | |

| FOOTAGE | FORMATION | ACT ADV | WT ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|---------------------|---------|--------------|------------|---|-----------|--------|
| 1181 1233 | SANDSTONE/SANDSTONE | 100 | 35 | 650 | 6" | 60 5 1/2 | S |
| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH |
| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | |
| | 00:00 | 12:00 | 12 | 2 | DRILL 8 1/2" HOLE F/1181 TO 1233 MTS | | |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SOC SEC NO | NAME |
|------------|------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DANIO SHIRRA |
| MTRMAN | | IAN M'SWAIN |
| FLAMAN | | GARY WIGG |
| FLAMAN | | GRAHAM BARRETT |
| FLAMAN | | IAN THRESEFER |
| CRANE BUMP | | |
| MECHANIC | | |
| WELDER | | |
| INSTABOY | | |
| INSTABOY | | |
| TRAINER | | |
| | | T/P |
| | | GRAHAM FLORES |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|----------------|-------------------------|
| 1 | BS | 8 1/2" .25 FT | BIT NO 6" |
| 1 | BS | 15.2 | SIZE 8 1/2" |
| 1 | BS | 10" .39 FT | MFG NARL |
| 12 | DC | 104.23 | TYPE RTD47 |
| 1 | BS | 10" .46 FT | JETS 132 |
| 1 | BS | 9.33 FT | SER NO 9494 |
| 4 | BS | 36.60 | DEPTH 12.83 |
| 12 | HW | 111.48 | DEPTH IN 1071 |
| | | | TOTAL FTG 211 |
| | | | TOTAL HRS RUN 51 |
| 54 | STANDS | 1007.29 | COND HB 1 TUBGAGE 1 M C |
| 1 | SINGLES | 12 FT | GRMP/PS |
| | | 1282 FT | |
| | | 96,000 LBS | |
| | | REMARKS 96,000 | |

| FOOTAGE | FORMATION | ACT ADV | WT ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-----------------|---------|--------------|------------|---|-----------|--------|
| 1233 1282 | SANDSTONE/SHALE | 100 | 30 | 650 | 6" | 58 6 1/2 | S |
| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH |
| TIME LOG | FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | |
| | 12:00 | 24:00 | 12 | 2 | DRILL 8 1/2" HOLE F/1233 MTS TO 1282 MTS | | |

DAY TOUR 12:00 A.M. 24:00

| CREW | SOC SEC NO | NAME |
|------------|------------|-----------------|
| DRILLER | | Dennis White |
| DRAWMAN | | Andrew Dickson |
| MTRMAN | | Ricky White |
| FLAMAN | | TESSE LAAR |
| FLAMAN | | Henry Kuznetsov |
| FLAMAN | | Wayne Barlett |
| FLAMAN | | Tony Reynolds |
| CRANE BUMP | | |
| MECHANIC | | |
| WELDER | | |
| INSTABOY | | |
| INSTABOY | | |
| TRAINER | | |
| | | T/P |
| | | NORRIS BEAMAN |
| | | BERNIE ANDERSON |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|--|---|
| WELL NO 1-A | API WELL NUMBER | DATE 1-12-94 |
| OPERATOR LOY YANG | CONTRACTOR RURAL WATER CORPORATION | RIG NO 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> |
| SIZE 4 1/2 | WT 16.6 | GRAND R |
| TOOL J OD 6 1/2 | TYPE THREAD 4 IF | STANG NO 1 |
| PUMP NO 2 | PUMP MANUFACTURER NATIONAL | TYPE FS-29 |
| STROKE LENGTH 12" | | |

| | | |
|--|----------------------------|---|
| FIELD OR DIST LOY YANG | COUNTY GIPPSLAND | STATE VICTORIA |
| WIRE LINE RECORD SIZE 1" | NO LINES 8 | PT SLIPPED |
| LAST CASING TUBING OR LINER SIZE 13 3/4 | MAKE SUMI | WT & GR 94.5 |
| | NO JOINTS 9 | FEET 14.6 |
| | | ROD TC 354.26 |
| | | PRESENT LENGTH 32.8 |
| | | CUMULATIVE TON-M ON TRIPS 359 |

DRILLING CREW PAYROLL DATA

DATE: **15 DEC 94**

WELL NAME & NO: **LOY YANG 1A**

COMPANY: **CAPITAL ENERGY**

TOOL PUSHER: **G. ELDRED / N. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|--|-------------------|-----------------|------------------------|
| 1 | BIT | 8 1/2" 125 FT | 6" | TIME 00:00 06:00 12:00 |
| 1 | BSUB | 52 | 8 1/2" | WEIGHT 9.9 9.9 9.9 |
| 1 | NO OD | 39 FT | VAREL | PRESSURE GRADIENT |
| 12 | NO OD | 104.28 | TYPE ETD 47 | VISC SEC 50 50 50 |
| 1 | NO OD | 46 FT | JETS 132 | 202016 |
| 1 | NO OD | 9.33 FT | SER NO | 88733 |
| 4 | NO OD | 36.60 FT | DEPTH OUT | 5.1 H |
| 12 | NO OD | 111.48 | DEPTH IN | 1071 |
| 47 | STANDS OF | 878.72 | CONC VIB TUBING | 1 N/C |
| WT OF STRING | 92,000 LBS | | | |
| REMARKS | 2 @ 1150mts w/ 9.9 pps. S.P.R. 20 @ 130 P.S.I. 25 @ 200 P.S.I. 30 @ 380 P.S.I. | | | |

| FOOTAGE | DE P | CORE | FORMATION | ROTARY | WT ON | PUMP | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------------|---------|---|--------|-------|-----------|-----------|-----------|-----------|
| 1098 | 1150 | D | SILTSTONE / COAL SEAMS | RC | 35 | 650 | 6" 58 | 5 1/2 | - S |
| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION |
| TIME LOC | ELAPSE TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | |
| 00:00 11:30 | 1 1/2 | 2 | Drill 8 1/2" Hole F/1098m to 1150mts | | | | | | |
| 11:30 12:00 | 1/2 | 8 | Broken Rotary Hydraulic line, work pipe | | | | | | |

NO. OF DAYS: **00.00** P.M. **12.00**

| CREW | SOC SEC NO | NAME |
|-----------|------------|---------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DAVID SHIRKA |
| MTRMAN | | IAN MESSIAN |
| FREEMAN | | GARRY WIGG |
| FREEMAN | | GRAHAM BACLET |
| FREEMAN | | CHRIS THOMAS |
| CHANE SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| T/P | | GRAHAM ELDRED |

| NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|--------------|------------------------|-----------------|------------------------|
| 1 | BIT 8 1/2" 125 FT | 6" | TIME 12:00 18:00 24:00 |
| 1 | BSUB 52 | 8 1/2" | WEIGHT 9.9 10.0 10.0 |
| 1 | NO OD 39 FT | VAREL | PRESSURE GRADIENT |
| 12 | NO OD 104.23 FT | TYPE ETD 47 | VISC SEC 50 50 52 |
| 1 | NO OD 46 FT | JETS 132 | 202016 |
| 1 | NO OD 9.33 FT | SER NO | 88733 |
| 4 | NO OD 36.60 FT | DEPTH OUT | 11.81 |
| 12 | NO OD 111.48 FT | DEPTH IN | 1071 |
| 48 | STANDS OF | CONC VIB TUBING | 1 N/C |
| 1 | SINGLE DOWN | 906.28 | |
| 11 | FLY DOWN | 11.46 | |
| TOTAL | 1181 FT | | |
| WT OF STRING | 93,000 LBS | | |
| REMARKS | B.O.P. Drill = 70 Sec. | | |

| FOOTAGE | DE P | CORE | FORMATION | ROTARY | WT ON | PUMP | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------------|---------|---|--------|-------|-----------|-----------|-----------|-----------|
| 1150 | 1160 | D | SILTSTONE / COAL SEAMS | 100 | 35 | 650 | 6" 61 | 5 1/2 | - S |
| 1160 | 1181 | D | SILTSTONE / SANDSTONE | 110 | 35 | 650 | 6" 60 | 5 1/2 | - S |
| DEVIATION RECORD | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION | DEPTH | DEL | DIRECTION |
| 1160 | | 5" | | | | | | | |
| TIME LOC | ELAPSE TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | |
| 12:00 14:00 | 2 | 6 | P.O.P.H. 10 stb wiper trip F/1150mts to 958mts while waiting on repair to rotary hose line. R.I.H. to tag @ 1150mts. (NO DRAG/NO ELL) | | | | | | |
| 14:00 16:30 | 2 1/2 | 2 | DRILL 8 1/2" hole F/1150mts to 1160mts | | | | | | |
| 16:30 17:30 | 1 | 8 | Broken Rotary Hydraulic line, work pipe. | | | | | | |
| 17:30 18:00 | 1/2 | 6 | P.O.P.H. 12 stb wiper trip F/1160mts to 920mts B.I.H. To Tag @ 1160mts while waiting on repair to rotary line | | | | | | |
| 18:00 18:30 | 1/2 | 10 | P back to 1150mts Survey 50 | | | | | | |
| 18:30 24:00 | 5 1/2 | 2 | Drill 8 1/2" hole F/1160mts to 1181 mts. | | | | | | |

NO. OF DAYS: **12.00** A.M. **24.00**

| CREW | SOC SEC NO | NAME |
|-----------|------------|----------------------------------|
| DRILLER | | Demis White |
| DRAWMAN | | Andrew Dickson |
| MTRMAN | | Ricky White |
| FREEMAN | | Stephen Mickie |
| FREEMAN | | Henry Kurdezyk |
| FREEMAN | | Wynne Bartlett |
| FREEMAN | | Tony Reynolds |
| CHANE SUP | | |
| MECHANIC | | Glen Kingwell |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| T/P | | NORMAN BEAMAN BERNIE ANDERSON |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: LOY YANG 1-A
API WELL NUMBER: 1-A
DATE: 30-11-94
OPERATOR: CAPITAL ENERGY
CONTRACTOR: RURAL WATER CORPORATION
RIG NO: 4
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

FIELD OR DIST: LOY YANG
COUNTRY: GIPPSLAND
STATE: VICTORIA
WIRE LINE RECORD: REEL NO: 1
NO LINES: 8
PRESENT LENGTH: 337
LAST CASING TUBING OR LINES: 13 1/2 SMI 54.3 9
9 3/8 BUTT 36.4 31
TONS OF TRIPS SINCE LAST CUT: 306
CUMULATIVE TONS ON TRIPS: 337

DRILLING CREW PAYROLL DATA
DATE: 30 Nov 1994
WELL NAME & NO: LOY YANG 1A
COMPANY: CAPITAL ENERGY
TOOL PUSHER: G. FLORED / M. BEAMAN

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|-----------------|------------|
| DRILL UP AND TEAR DOWN | 1 | BIT 8 1/2 | 5 | 0000 0600 |
| DRILL ACTUAL | 1 | 8 1/2 SUB | 8 1/2 | 9.9 9.9 |
| FLAMING | 1 | 10 OD | VARCL | 50 |
| FORMING | 12 | 6 1/2 OD | TACO | 4.9 50 |
| DRILLING MUD CIRCULATE | 1 | 10 OD | JETS 1.32 | 20.2 16 |
| TRIPS | 1 | 10 OD | SEA NO | M2722 |
| REPAIR RIG | 4 | 6 1/2 OD | DEPTH CUT | 1071 |
| OFF DRILLING LINE | 12 | HWDP | DEPTH H | 466 |
| DEVIATION SURVEY | 1 | | TOTAL | 605 |
| WIRE LINE LOGS | | | TOTAL | 111.5 |
| WELL CASING (CEMENT) | | | COILS OF TUBING | 24.0 |
| WAIT ON CEMENT | | | SINGLES DP | |
| WIPPLE UP BOP | | | RELLY DOWN | |
| TEST BOP | | | TOTAL | |
| DRILL STEM TEST | | | WT OF STRING | |
| LOG BACK | | | | |
| LOOSEZ CEMENT | | | | |
| FINISHING | | | | |
| DR WORK | | | | |

REMARKS:
SPR. 20 = 130 P.S.I.
25 = 240 P.S.I.
30 = 340 P.S.I.

| FOOTAGE | DEPTH | DIR | FORMATION | ROTARY R/W | WT ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------|--------------|-----------|---|-----------|------------|-----------|-----------|--------|
| 1060 | 1071 | D | SANDSTONE | 100 | 35 | 650 | 6" | 58 | S |
| 1071 | | | | | | | | | |
| DEVIATION RECORD | | | | | | | | | |
| DEPTH | DIR | DIRECTION | DEPTH | DIR | DIRECTION | DEPTH | DIR | DIRECTION | |
| 1071 | 5° | | | | | | | | |
| TIME LOG | | | | | | | | | |
| FROM | TO | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | |
| 00:00 | 08:00 | 8 | 2 | DRILL 8 1/2" HOLE F/1040 TO 1071 mtk | | | | | |
| 08:00 | 08:30 | 1/2 | 5 | Circ @ 1071 mtk for survey. | | | | | |
| 08:30 | 09:30 | 1 | 10 | Survey @ 1071 mtk. 5° | | | | | |
| 09:30 | 12:00 | 2 1/2 | 6 | P.O.H. w/ 8 1/2" bit. (bit change) | | | | | |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SOC SEC NO | NAME |
|------------|------------|-------------------|
| DRILLER | | STON TURNER |
| DRAWMAN | | DAVID SHIRA |
| MTRMAN | | IAN McSWAIN |
| FIREMAN | | GARY WIGG |
| FLAMAN | | GRAHAM BARTLET |
| FLAMAN | | JIM THRESENEL |
| FLAMAN | | |
| FLAMAN | | |
| CHANE SUPP | | |
| MECHANIC | | |
| WELDER | | |
| RESTART | | |
| RESTART | | |
| TRAINER | | |
| | | T/P GRAHAM FLORED |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|-----------------|-------------------|
| 1 | BIT 8 1/2 | 6 | 12:00 18:00 24:00 |
| 1 | 8 1/2 SUB | 8 1/2 | 9.9 9.9 9.9 |
| 1 | 10 OD | VARCL | |
| 12 | 6 1/2 OD | EDAN7 | 50 50 50 |
| 1 | 10 OD | JETS 1.32 | 20.2 16 |
| 1 | 10 OD | SEA NO | 9494 |
| 4 | 6 1/2 OD | DEPTH CUT | 1098 |
| 12 | HWDP | DEPTH H | 1071 |
| | | TOTAL | 27 |
| | | TOTAL | 7 1/2 |
| 44 | STANDS DP | COILS OF TUBING | 1.11C |
| | SINGLES DP | RELLY DOWN | 11 MRS |
| | TOTAL | | 1098 |
| | WT OF STRING | | 90,000 LBS |

| FOOTAGE | DEPTH | DIR | FORMATION | ROTARY R/W | WT ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|------------------|-------|-----------|-----------|---|-----------|------------|-----------|-----------|--------|
| 1071 | 1098 | D | SANDSTONE | 100 | 35 | 650 | 6" | 58 | S |
| DEVIATION RECORD | | | | | | | | | |
| DEPTH | DIR | DIRECTION | DEPTH | DIR | DIRECTION | DEPTH | DIR | DIRECTION | |
| 12:00 | 16:30 | 4 1/2 | 6 | Cont P.O.H. w/ 8 1/2" bit. M/up New 8 1/2" bit R.I.H. to tag @ 1071 | | | | | |
| 16:30 | 24:00 | 7 1/2 | 2 | DRILL 8 1/2" hole F/1071 mtk to 1098 mtk | | | | | |

DAY TOUR 12:00 A.M. 24:00

| CREW | SOC SEC NO | NAME |
|------------|------------|-------------------|
| DRILLER | | Denis White |
| DRAWMAN | | Andrew Dickson |
| MTRMAN | | Ricky White |
| FIREMAN | | GRAHAM MURKIE |
| FLAMAN | | Henry Kucieczky |
| FLAMAN | | Walter Bartlett |
| FLAMAN | | Tony Reynolds |
| CHANE SUPP | | |
| MECHANIC | | |
| WELDER | | Glen Kingwell |
| RESTART | | |
| RESTART | | |
| TRAINER | | T/P NARRIS BEAMAN |
| | | ROBERT ANDERSON |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT


DAILY DRILLING REPORT REPORT NO.

WELL NO: **1A** API WELL NUMBER: **1A** DATE: **29/11/94**

OPERATOR: **LOY YANG** CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | MADE | TOOL JOI | THREAD | STANDING | PUMPING | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|------|------|----------|--------|----------|---------|-------------------|---------|---------------|
| 10.6 | EV | 4.11 | 1 | 1 | 1 | GARDNER DENVER | FZ-29 | 27" |
| 10.7 | E | 4.11 | 2 | 2 | 2 | NATIONAL | KSH 290 | 12" |



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

FIELD DIST: **LOY YANG** COUNTY: **GIPPSLAND** STATE: **VICTORIA**

WIRE LINE RECORD: **NEEL NC**

| SIZE | MAKE | WT & GR | NO JOINTS | FEET | MAX TC | SET AT | SIZE | NO LINES | PRESENT LENGTH |
|-------|------|---------|-----------|------|--------|--------|--------|----------|----------------|
| 13/16 | SL | 9/16 | 9 | | | | 1 1/2" | 8 | |
| 4 | BOIT | 3/8 | 31 | | | | 3/8" | 252 | |
| | | | | | | | | | 283 |

DRILLING CREW PAYROLL DATA

DATE: **29 NOV - 1994**

WELL NAME & NO: **LOY YANG 1A**

COMPANY: **CAPITAL ENERGY**

TOOL PUSHER: **C. EDWARDS / H. KRAMER**

NIGHT TOUR: **DO NOT** P.M. **12:00**

| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------|-----|----|-------------------|--------------------------|-----------------------|
| RIG UP AND BOP DOWN | | | 1 | 8 1/2" 125' | BIT NO 5 | TIME 2400 1800 1200 |
| DRILL ACTUAL | 12 | 10 | 1 | 8 1/2" 152' | SIZE 8 1/2" | WEIGHT 9.8 9.8 9.8 |
| FLAMING | | | 1 | 8 1/2" OD 139' | MFG VACAL | PRESSURE GRADIENT |
| DRILLING | | | 12 | 6 1/2" OD 104 23' | TYPE TCG | VISC SEC 47 47 48 |
| CONDITION MUD & CIRCULATE | 1/2 | 1/2 | 1 | 8 1/2" OD 146' | JETS 1/32 20/20/16 | |
| TRIPS | | | 1 | 8 1/2" OD 9.33' | SER NO M272 | GELS |
| LUBRICATE RIG | | | 4 | 8 1/2" OD 36.60' | DEPTH OUT 5.1 H | W. CC 1 |
| REPAIR RIG | | | 12 | 8 1/2" OD 111.48' | DEPTH IN 4.66 | DP |
| CUT OFF DRILLING LINE | | | | | TOTAL MTS 530 | SOLIDS |
| DEVIATION SURVEY | | | | | TOTAL HAS RUN 932' | |
| WIRE LINE LOGS | | | 38 | STANDS OF 720 74' | CONG. JOI TIE GAGE 1 N/C | MUD & CHEMICALS ADDED |
| RUN CASING & CEMENT | | | | | | |
| WAIT ON CEMENT | | | | | | |
| RIPPLE UP BOP | | | | | | |
| TEST BOP | | | | | | |
| DRILL STEM TEST | | | | | | |
| FLUID BACK | | | | | | |
| SQUEEZE CEMENT | | | | | | |
| FISHING | | | | | | |
| DIP WORK | | | | | | |
| TOTALS | 12 | 12 | | | | |

| FOOTAGE | DEVIATION RECORD | FORMATION | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----------|------------------|-----------|--|
| 927 996 | | SANDSTONE | Drill 8 1/2" Hole from 927 MT to 996 mts |
| 996 1040 | | SANDSTONE | Drill 8 1/2" Hole from 996 mts to 1040 mts |
| 1040 1034 | | SANDSTONE | CIRC BOTTOMS UP |
| 1034 940 | | SANDSTONE | WIPE TRIP 10 STANDS DRILL PIPE 1034 TO 940 mts |
| 940 1040 | | SANDSTONE | DRILL 8 1/2" Hole from 1034 to 1040 mts |

DRILLING CREW PAYROLL DATA

| CREW | SOC SEC NO | NAME |
|---------|------------|------------------|
| DRILLER | | SCOTT TURNER |
| DRIFTER | | DAN O SHUCA |
| MTRMAN | | JAN M'S SAHN |
| FIREMAN | | CHRISTY WIEG |
| FIREMAN | | CHRISTIAN BARTON |
| FIREMAN | | SIM THRESEN |

DAY TOUR: 12:00 A.M. 2:00

| CREW | SOC SEC NO | NAME |
|---------|------------|-----------------|
| DRILLER | | Dennis White |
| DRIFTER | | Archie Dickson |
| MTRMAN | | Ricky White |
| FIREMAN | | Gregory Mackie |
| FIREMAN | | Herby Kuznetsov |
| FIREMAN | | Wynne Barkhall |
| FIREMAN | | Tony Reynolds |

WELDER: *[Signature]* GLEN KIRKWOOD

| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------|-----|----|-------------------|--------------------------|------------------------|
| RIPPLE UP BOP | | | 1 | 8 1/2" 125' | BIT NO 5 | TIME 12:00 18:00 24:00 |
| DRILL ACTUAL | | | 1 | 8 1/2" 152' | SIZE 8 1/2" | WEIGHT 9.8 9.8 9.9 |
| FLAMING | | | 1 | 8 1/2" OD 139' | MFG VACAL | PRESSURE GRADIENT |
| DRILLING | | | 12 | 6 1/2" OD 104 23' | TYPE TCG | VISC SEC 48' 48' 49 |
| CONDITION MUD & CIRCULATE | | | 1 | 8 1/2" OD 146' | JETS 1/32 20/20/16 | |
| TRIPS | | | 1 | 8 1/2" OD 9.33' | SER NO M272 | GELS |
| LUBRICATE RIG | | | 4 | 8 1/2" OD 36.60' | DEPTH IN 1040 | W. CC 1 |
| REPAIR RIG | | | 12 | 8 1/2" OD 111.48' | DEPTH IN 246 | DP |
| CUT OFF DRILLING LINE | | | | | TOTAL MTS 574 | SOLIDS |
| DEVIATION SURVEY | | | | | TOTAL HAS RUN 1032' | |
| WIRE LINE LOGS | | | 41 | STANDS OF 768.58' | CONG. JOI TIE GAGE 1 N/C | MUD & CHEMICALS ADDED |
| RUN CASING & CEMENT | | | | | | |
| WAIT ON CEMENT | | | | | | |
| RIPPLE UP BOP | | | | | | |
| TEST BOP | | | | | | |
| DRILL STEM TEST | | | | | | |
| FLUID BACK | | | | | | |
| SQUEEZE CEMENT | | | | | | |
| FISHING | | | | | | |
| DIP WORK | | | | | | |
| TOTALS | 12 | 12 | | | | |

| FOOTAGE | DEVIATION RECORD | FORMATION | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----------|------------------|-----------|--|
| 996 1040 | | SANDSTONE | Drill 8 1/2" Hole from 996 mts to 1034 mts |
| 1040 1034 | | SANDSTONE | CIRC BOTTOMS UP |
| 1034 940 | | SANDSTONE | WIPE TRIP 10 STANDS DRILL PIPE 1034 TO 940 mts |
| 940 1040 | | SANDSTONE | DRILL 8 1/2" Hole from 1034 to 1040 mts |

DRILLING CREW PAYROLL DATA

| CREW | SOC SEC NO | NAME |
|---------|------------|-----------------|
| DRILLER | | Dennis White |
| DRIFTER | | Archie Dickson |
| MTRMAN | | Ricky White |
| FIREMAN | | Gregory Mackie |
| FIREMAN | | Herby Kuznetsov |
| FIREMAN | | Wynne Barkhall |
| FIREMAN | | Tony Reynolds |

DAY TOUR: 12:00 A.M. 2:00

| CREW | SOC SEC NO | NAME |
|---------|------------|-----------------|
| DRILLER | | Dennis White |
| DRIFTER | | Archie Dickson |
| MTRMAN | | Ricky White |
| FIREMAN | | Gregory Mackie |
| FIREMAN | | Herby Kuznetsov |
| FIREMAN | | Wynne Barkhall |
| FIREMAN | | Tony Reynolds |

WELDER: *[Signature]* GLEN KIRKWOOD

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: **LOY YANG 1A** API WELL NUMBER: DATE: **28.11.94**

OPERATOR: **CAPITAL ENERGY** CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| | | | |
|--|---------------------------|--|---------------------------|
| FIELD OR DIST: LOY YANG | COUNTRY: GIPPSLAND | STATE: VICTORIA | WIRE LINE RECORD REG. NO. |
| SIZE: 13 3/8 | NAME: Sumi 543 | NO JOINTS: 9 | FEET: 114.6 |
| LAST CASING USING ON LINE: 9 5/8 | SIZE: 3 1/2 | NO JOINTS: 31 | FEET: 854.4 |
| TONS OF TRIPS SINCE LAST CUT: 218 | | CUMULATIVE TON IN ON TRIPS: 249 | |

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----------------------------|----|-------------------|--------------------------|------------------------|
| OPERATION | 1 | 8 1/2" 1.25' FT | BIT NO: 5 | TIME: 24:00 P.M. 12:03 |
| UP AND DOWN | 1 | 8 1/2" 1.52' | SIZE: 8 1/2" | WEIGHT: 10.0 10.0 9.9 |
| ACTUAL | 1 | 8 1/2" 1.39' | MFG: VAREL | PRESSURE GRADIENT |
| HEAVING | 1 | 8 1/2" 1.04' | TYPE: Torex | VISC SEC: 48 48 47 |
| CRUISING | 1 | 8 1/2" 1.46' | JETS 1/32: 20/20/16 | W/VP |
| CONDITION MUD & CIRCUITATE | 1 | 8 1/2" 1.46' | DEPTH IN: 9.33' | SEM NO: M2722 |
| TRIP | 1 | 8 1/2" 1.46' | DEPTH OUT: 36.60' | W. CC: 51H |
| LOCATE RIG | 1 | 8 1/2" 1.46' | DEPTH IN: 111.48' | SP: 466 |
| REPAIR RIG | 1 | 8 1/2" 1.46' | TOTAL: 404 | SOIDS |
| OFF CHILLING LINE | 1 | 8 1/2" 1.46' | TOTAL MH: 71 | |
| DEVIATION SURVEY | 1 | 8 1/2" 1.46' | CONC 10% TIBAGAGE: 1 N/C | MUD & CHEMICALS ADDED |
| WIRE LINE LOGS | 1 | 8 1/2" 1.46' | | |
| FLY CASING CEMENT | 1 | 8 1/2" 1.46' | | |
| WAIT ON CEMENT | 1 | 8 1/2" 1.46' | | |
| WIPER UP BOP | 1 | 8 1/2" 1.46' | | |
| TEST BOP | 1 | 8 1/2" 1.46' | | |
| CHILL STEM TEST | 1 | 8 1/2" 1.46' | | |
| LOG BACK | 1 | 8 1/2" 1.46' | | |
| SQUEEZE CEMENT | 1 | 8 1/2" 1.46' | | |
| SHING | 1 | 8 1/2" 1.46' | | |
| DR WORK | 1 | 8 1/2" 1.46' | | |

| FOOTAGE | DR E RM F CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | NOTARY SIGN | W/ ON BIT TOUGH | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD | |
|------------------|------------------|------------------|--------------------------------|--|-----------------|------------|-----------|-----------|--------|---|
| FROM: 799 | TC: 870 | NO: D | LIM STONE/SANDSTONE | 100% | 25 | 650 | 6" | 60 | 52 | S |
| DEVIATION RECORD | | | | | | | | | | |
| TIME LOG | | | | | | | | | | |
| FROM: 00:00 | TC: 12:00 | ELAPSED TIME: 12 | CODE NO: 2 | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS: DRILL 8 1/2" HOLE FROM 799 MTS TO 870 MTS | | | | | | |

| | |
|--|--------------------------|
| DRILLING CREW PAYROLL DATA | |
| DATE: 28 NOV 1994 | NO. |
| WELL NAME & NO: LOY YANG 1A | |
| COMPANY: CAPITAL ENERGY | |
| TOOL PUSHER: G. ELORRO / H. BEAMAN | |
| NIGHT TOUR 00:00 P.M. 12:00 | |
| CREW | DOC SEC NO NAME |
| DRILLER | DAVID SHIRA |
| DRAWMAN | IAN McBEAN |
| MTRAMAN | GARRY WIGGS |
| FLAMAN | GRAHAM BARTWELL |
| FLAMAN | JIM THRESEER |
| FLAMAN | CHRIS THOMAS |
| CHANE SUPT | |
| MECHANIC | |
| WELDER | |
| ASTABOUT | |
| ASTABOUT | |
| THAMES | |
| | T/P GRAHAM ELORRO |
| NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT | |

| COMPLETE TRIP | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------|----|-------------------|--------------------------|------------------------|
| A PERFORATION | 1 | 8 1/2" 1.25' FT | BIT NO: 5 | TIME: 12:00 P.M. 12:03 |
| B TRIP TRIP | 1 | 8 1/2" 1.52' | SIZE: 8 1/2" | WEIGHT: 9.9 9.8 |
| C TREATING | 1 | 8 1/2" 1.39' | MFG: VAREL | PRESSURE GRADIENT |
| D SWABBING | 1 | 8 1/2" 1.04' | TYPE: T99 | VISC SEC: 47 47 |
| E TESTING | 1 | 8 1/2" 1.46' | JETS 1/32: 20/20/16 | W/VP |
| F ADDITIONAL | 1 | 8 1/2" 1.46' | DEPTH IN: 9.33' | SEM NO: M2722 |
| G | 1 | 8 1/2" 1.46' | DEPTH OUT: 36.60' | W. CC: 927 |
| H | 1 | 8 1/2" 1.46' | DEPTH IN: 111.48' | SP: 466 |
| I | 1 | 8 1/2" 1.46' | TOTAL: 461 | SOIDS |
| J | 1 | 8 1/2" 1.46' | TOTAL MH: 81 1/2 | |
| K | 1 | 8 1/2" 1.46' | CONC 10% TIBAGAGE: 1 N/C | MUD & CHEMICALS ADDED |
| L | 1 | 8 1/2" 1.46' | | |
| M | 1 | 8 1/2" 1.46' | | |
| N | 1 | 8 1/2" 1.46' | | |
| O | 1 | 8 1/2" 1.46' | | |
| P | 1 | 8 1/2" 1.46' | | |
| Q | 1 | 8 1/2" 1.46' | | |
| R | 1 | 8 1/2" 1.46' | | |
| S | 1 | 8 1/2" 1.46' | | |
| T | 1 | 8 1/2" 1.46' | | |
| U | 1 | 8 1/2" 1.46' | | |
| V | 1 | 8 1/2" 1.46' | | |
| W | 1 | 8 1/2" 1.46' | | |
| X | 1 | 8 1/2" 1.46' | | |
| Y | 1 | 8 1/2" 1.46' | | |
| Z | 1 | 8 1/2" 1.46' | | |

| FOOTAGE | DR E RM F CORE C | CORE NO | FORMATION (SHOW CORE RECOVERY) | NOTARY SIGN | W/ ON BIT TOUGH | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD | |
|------------------|------------------|---------------------|--------------------------------|--|-----------------|------------|-----------|-----------|--------|---|
| FROM: 870 | TC: 887 | NO: D | Limestone/stone | 100% | 25 | 650 | 6" | 63 | 52 | S |
| FROM: 887 | TC: 927 | NO: D | Sandstone | 100% | 25 | 650 | 6" | 63 | 52 | S |
| DEVIATION RECORD | | | | | | | | | | |
| TIME LOG | | | | | | | | | | |
| FROM: 12:00 | TC: 15:00 | ELAPSED TIME: 3 | CODE NO: 2 | DRILL 8 1/2" HOLE FM 870 MTS TO 887 MTS | | | | | | |
| FROM: 15:00 | TC: 15:30 | ELAPSED TIME: 30 | CODE NO: 5 | CIRC @ 887 MTS FOR 10 STD WIPER TRIP | | | | | | |
| FROM: 15:30 | TC: 16:30 | ELAPSED TIME: 60 | CODE NO: 6 | P.O.C.H. FM 887 MTS TO 692 MTS (NO DRAG) | | | | | | |
| FROM: 16:30 | TC: 12:00 | ELAPSED TIME: 7 1/2 | CODE NO: 2 | R.I.H. FM 692 MTS TO 887 MTS (NO FILL) | | | | | | |
| FROM: 16:30 | TC: 12:00 | ELAPSED TIME: 7 1/2 | CODE NO: 2 | DRILL 8 1/2" HOLE FM 887 MTS TO 927 MTS | | | | | | |

| | |
|--|--|
| DAY TOUR 12:00 A.M. 24:00 | |
| CREW | DOC SEC NO NAME |
| DRILLER | Dennis White |
| DRAWMAN | Andrew Dickson |
| MTRAMAN | Ricky White |
| FLAMAN | GRAHAM MACHIE |
| FLAMAN | HENRY KROEDER |
| FLAMAN | WILLIAM BARTWELL |
| FLAMAN | TONY REYNOLDS |
| CHANE SUPT | |
| MECHANIC | |
| WELDER | GLAN KINGWILL |
| ASTABOUT | |
| ASTABOUT | |
| THAMES | |
| | T/P NORRIS BEAMAN GARRY ANDERSON |
| NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT | |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1.A** DATE **27-11-94**
API WELL NUMBER WATER

OPERATOR **CAPITAL ENERGY** CONTRACTOR **RURAL WATER CORPORATION** RIG NO. **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER

| SIZE | WT | HT | TOOL JOG | TYPE | STANG NC | CONV NC | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|------|----|----------|-------|----------|---------|-------------------|---------|---------------|
| 4 1/2 | 16.6 | 15 | 6 1/2 | 4 1/2 | 1 | 1 | GARDNER DENVER | #2-29 | 12" |
| 4 1/2 | 10.7 | 12 | 6 1/2 | 4 1/2 | 2 | 2 | NATIONAL | KSH-290 | 12" |

| SIZE | MAKE | WT & GR | NC JOINTS | FEET | MAE TO CSG HD | SET AT | SIZE | NO LINES | FT CUT OFF | PRESENT LENGTH |
|---------------------------|------|---------|-----------|------|---------------|--------|-------|----------|------------|----------------|
| 1 3/8 | SMI | 565 | 9 | | | | 1 1/4 | 8 | | |
| 9/8 | BUT | 3635 | 31 | | | | 3/4 | 188 | | |
| CUMULATIVE TOWAN ON TRIPS | | | | | | | | | | 219 |

DRILLING CREW PAYROLL DATA
DATE **27 NOV-1994**
WELL NAME & NO. **LEYVANG 1.A**
COMPANY **CAPITAL ENERGY**
TOOL PUSHER **G. ELDREO / N. BRAMAN** RIG NO. **4**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------|---------------|
| 1 | 1 | 8 1/2" .25" | 5 | 06'00" 12'00" |
| 1 | 1 | 8 1/2" .52" | 8 1/2" | 10'2" 10'2" |
| 12 | 12 | 6 1/2" OD 104.23' | TQC | 47' 47" |
| 4 | 4 | 6 1/2" OD 36.60' | S.I.H | |
| 12 | 12 | 111.48' | 466 | |
| 24 | 24 | 464.79' | 1 n.c. | |

| FOOTAGE | DE I | DE E | DE C | FORMATION | WELL | ON | PUMP | PUMP | PUMP | METHOD |
|---------|------|------|------|---------------------|--------|------|------|------|------|--------|
| 678 | 740 | D | | CLAYSTONE/SANDSTONE | 7 1/2" | 1000 | 60 | 6 | 67 | 5L - S |

NIGHT TOUR 00:00 P.M. 12:00
CREW SOC SEC NC NAME
DRILLER **DAVID SHIRRA**
DHWANAN **IAN MCGWAIN**
MTMANAN **GARRY WIGG**
FRMANAN **GRAHAM BARTLET**
FLMANAN **JIM THRESHER**
FLMANAN **CHRIS THOMAS**
CRANE SUMP
MECHANIC
WELDER
HSTABOUT
HSTABOUT
THANNE
G/P **GRAHAM ELDREO**
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------|-------------------|
| 1 | 8 1/2" .25" | 5 | 12:00 18:46 24:00 |
| 1 | 8 1/2" .52" | 8 1/2" | 10.2 10.1 10.0 |
| 12 | 6 1/2" OD 104.23' | TQC | 47. 47 48 |
| 4 | 6 1/2" OD 36.60' | 799 | |
| 12 | 111.48' | 466 | |
| 29 | 529.85' | 1 n.c. | |

| FOOTAGE | DE I | DE E | DE C | FORMATION | WELL | ON | PUMP | PUMP | PUMP | METHOD |
|---------|------|------|------|---------------------|------|------|------|------|------|--------|
| 740 | 799 | D | | CLAYSTONE SANDSTONE | 100 | 1000 | 60 | 6 | 67 | 5L - S |

DAY TOUR 12:00 A.M. 24:00
CREW SOC SEC NC NAME
DRILLER **Dennis White**
DHWANAN **Andrew Dixon**
MTMANAN **Ricky White**
FRMANAN **GRAHAM MACKIE**
FLMANAN **Henry Kurbczyk**
FLMANAN **Wayne Bartlett**
CRANE SUMP **Tony Reynolds**
MECHANIC
WELDER **Glen Kingwell**
HSTABOUT
HSTABOUT
THANNE
G/P **NORRIS BEAMAN**
BENNE ANDERSON
NO. OF DAYS SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | |
|--|--|--------------------|-------------------------|
| OPERATOR LOY YANG | WELL NO 1.A | API WELL NUMBER | DATE 26-11-94 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | CONTRACTOR RURAL WATER CORPORATION | | |
| SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | | RIG NO 4 | |

| | | | |
|--|----------------------------|--------------------------|--------------------------|
| REGION/DIST LOY YANG | COUNTY GLAISLAND | STATE VICTORIA | WIRE LINE RECORD ALL NO. |
| SIZE 13 3/8 | MAKE Semi | WT & GR 5 1/2 | NC JOINTS 9 |
| LAST CASING TUBING OR LINE 9 3/8 BUTT 36KCS 31 | FEET 114.6 | SET AT 354-46 | NC LINES 8 |

| | |
|---|-----|
| DRILLING CREW PAYROLL DATA | NO. |
| DATE 26 NOV - 94 | |
| WELL NAME & NO LOY YANG A-1 | |
| COMPANY CAPITAL ENERGY | |
| TOOL PUSHER G. FLORES / H. BEAMAN | |

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|--------------|-------------------|------------|------------|
| OPERATION NIGHT DAY | | | | |
| ACT UP AND DOWN | | | | |
| ACTUAL | 9 | | | |
| DRILLING | | | | |
| CONDITION MUD & CIRCULATE | 1/2 | | | |
| TRIPS | 2 1/2 | | | |
| LUBRICATE RIG | | | | |
| PAIR RIG | | | | |
| DRILLING LINE | | | | |
| DEVIATION SURVEY | | | | |
| WIRE LINE LOGS | | | | |
| RUN CASING ELEMENT | | | | |
| UNIT ON CEMENT | | | | |
| SHOPE UP BOP | | | | |
| STBC | | | | |
| SHUT-IN TEST | | | | |
| WELL BACK | | | | |
| SQUEEZE CEMENT | | | | |
| FORMING | | | | |
| IF WORK | | | | |

| FOOTAGE | FORMATION | DEVIATION RECORD |
|--------------------|---|---|
| FROM TC | FORMATION (SHOW CORE RECOVERY) | DEPTH DE. DIRECTION DEPTH DE. DIRECTION |
| 564 619 | SILTSTONE/SANDSTONE | |
| TIME - LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| 00:00 07:00 | 7 2 Drill 8 1/2" Hole from 564 mts to 609 mts | |
| 07:00 07:30 | 1/2 5 Circ For 10 sts wiper trip @ 609 mts | |
| 07:30 10:00 | 2 1/2 6 P.C.P.H. 10 sts wiper trip to 416 mts R.I.H. to tag @ 609 mts. | |
| 10:00 12:00 | 2 2 Drill 8 1/2" hole Fr/609 To 619 mts | |

| NIGHT TOUR | CREW | SEC SEC NO | NAME |
|-------------------------|------|------------|-----------------------|
| 00:00 P.M. 12:00 | | | |
| DRILLER | | | DAVE SHIRRA |
| DRAWMAN | | | IAN McSWAIN |
| MTRMAN | | | GARRY WIGG |
| FLRMAN | | | LANCE SCOTT |
| FLRMAN | | | CHRIS THOMAS |
| FLRMAN | | | BRIAN ANDERSON |
| CHANGE SUP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| THANEE | | | |
| T/P | | | GRAHAM FLORES |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----------|---------------------------|---------------|--------------------------|
| 1 | 8 1/2" .25" | 5 | 12:00 16:00 24:00 |
| 1 | 6 1/8" .52" | 8 1/2" | 10:3 10:3 10:3 |
| 1 | 4 1/2" .39" | VAREL | |
| 12 | 6 1/2" OD 104.23' | 199 | 47 47 47 |
| 1 | 3 SABS 9.33' | M2722 | |
| 4 | 6 1/2" OD 30.6' | 678 | |
| 12 | HWDP 111.48' | 466 | |
| 20 | STANDS DP 401.31' | 117C | |
| 1 | SINGLES DP 9.14' | | |
| 1 | REEL DOWN 4.27 mts | | |
| 1 | TOTAL 678' | | |

| FOOTAGE | FORMATION | DEVIATION RECORD |
|--------------------|--|---|
| FROM TC | FORMATION (SHOW CORE RECOVERY) | DEPTH DE. DIRECTION DEPTH DE. DIRECTION |
| 619 678 | Siltstone sandstone | |
| TIME - LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | |
| 12:00 24:00 | 12 2 DRILL 8 1/2" hole Fr/619 mts To 678 mts. | |

| DAY TOUR | CREW | SEC SEC NO | NAME |
|-------------------------|------|------------|-------------------------|
| 12:00 A.M. 24:00 | | | |
| DRILLER | | | Dennis White |
| DRAWMAN | | | Andrew Dickson |
| MTRMAN | | | Ricky White |
| FLRMAN | | | DEAN DSSERT |
| FLRMAN | | | CAROL'S TESSERAR |
| FLRMAN | | | WYNNE BARRETT |
| FLRMAN | | | Tony Reynolds |
| CHANGE SUP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| THANEE | | | |
| T/P | | | GLEN KINGWELL |
| | | | WARRIS BEAMAN |
| | | | BERNIE ANDERSON |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | | | |
|--|--------------------------|--|---|--------------------------------|--------------------------------|
| WELL NO 1A | | AP. WELL NUMBER | | DATE 25-11-94 | |
| DRILLER LOU YANG | | CONTRACTOR RURAL WATER CORPORATION | | RIG NO 4 | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | | |
| 1. SIZE 8 1/2 | 2. WEIGHT 16.6 | 3. ID 6 1/2 | 4. LINES 1 | 5. STROKE LENGTH 12" | 6. STROKE LENGTH 12" |
| PUMP MANUFACTURER NATIONAL | | | TYPE KSH-280 | | |

| | | | | |
|---|----------------------------|--------------------------|-----------------------|----------------------|
| WELL-LOG DIST LOU YANG | COUNTY GIPPSLAND | STATE VICTORIA | WIRE LINE RECORD | WELL NO |
| SIZE 15 3/4 | MAKE Sumi | WT & GR 52 5 | NC JOINTS 9 | FEET 114.6 |
| LAST CASING TUBING OR LINE | 9 5/8 BIT | 56 KPS | 31 | 354.44 |
| FORMATION CLAYSTONE/SANDSTONE | | | METHODE 1 | |
| FORMATION Siltstone/Sandstone | | | METHODE 1 | |

DRILLING CREW PATROLL DATA

DATE **25 NOV 94**

WELL NAME & NO **LOU YANG A-1**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **G. ELOREO / N BEAMAN**

NIGHT TOUR **00.00 P.M. 12.00**

| TIME DISTRIBUTION - HOURS | | DRILLING ASSEMBLY | | | BIT RECORD | | | MUD RECORD | | |
|---------------------------|------|--------------------|-----------|--------|------------|----------|-------------------|------------|------|------|
| DRILLING | 6:12 | 100% OF THE THROAT | 39 FT | 8 1/2" | 4 | 5 | WEIGHT | 10.6 | 10.1 | 10.1 |
| TRIP | 5:12 | STANDING | 146 FT | 8 1/2" | 20/20/15 | 20/20/16 | PRESSURE GRADIENT | 50 | 50 | 50 |
| REPAIR RIG | | DRILLING | 9:33 FT | 8 1/2" | 11 | 11 | VISC SEC | 50 | | 50 |
| REPAIR RIG | | TRIP | 36:16 FT | 8 1/2" | 466 | 492 | WEIGHT | | | |
| TRIP | | DRILLING | 11:48 FT | 8 1/2" | 842 | 466 | PRESSURE GRADIENT | | | |
| TRIP | | TRIP | | 8 1/2" | 124 | 26 | VISC SEC | | | |
| TRIP | | DRILLING | 210:17 FT | 8 1/2" | 4 | 2 | WEIGHT | | | |
| TRIP | | TRIP | 9:45 FT | 8 1/2" | 21 | 4 1/2 | WEIGHT | | | |
| TRIP | | DRILLING | 10:00 FT | 8 1/2" | 11 | 11 | PRESSURE GRADIENT | | | |
| TRIP | | TRIP | 492:00 FT | 8 1/2" | | | VISC SEC | | | |

| FOOTAGE | | FORMATION | | FORMATION | | FORMATION | | FORMATION | |
|---------|-----|-----------|------|-----------|------|-----------|-------|-----------|------|
| FROM | TO | DEPTH | DEL. | DEPTH | DEL. | DEPTH | DEL. | DEPTH | DEL. |
| 458 | 466 | 120 | 15 | 600 | 6 | 70 | 5 1/2 | | |
| 466 | 492 | 120 | 24 | 650 | 6 | 70 | 5 1/2 | | |

| CREW | SOC SEC NO. | NAME |
|----------|-------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DAVE SHIRRA |
| MTRAMAN | | BEVAN ANDERSON |
| WELDER | | IAN McSWAIN |
| MECHANIC | | LANCE SCOTT |
| TRAINER | | GERARD HAND |

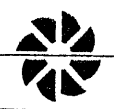
| DRILLING ASSEMBLY | | BIT RECORD | | | MUD RECORD | | |
|-------------------|--------|------------|---------|-------------------|------------|-------|-------|
| 1 | 8 1/2" | 25 FT | 5 | WEIGHT | 12.00 | 18.00 | 24.00 |
| 1 | 8 1/2" | 52 FT | 5 1/2" | PRESSURE GRADIENT | 10.1 | 10.1 | 10.1 |
| 1 | 8 1/2" | 104:23 FT | VAREL | VISC SEC | 50 | 47 | 48 |
| 1 | 8 1/2" | 146 FT | M2722 | WEIGHT | | | |
| 4 | 8 1/2" | 36:16 FT | S.H. | PRESSURE GRADIENT | | | |
| 12 | 8 1/2" | 111:48 FT | 466 | VISC SEC | | | |
| 15 | 8 1/2" | 174:48 FT | 11 1/2" | WEIGHT | | | |
| 1 | 8 1/2" | 295:16 FT | 330 | PRESSURE GRADIENT | | | |
| | | 5 MET | | VISC SEC | | | |
| | | 564 MET | | WEIGHT | | | |

| FOOTAGE | | FORMATION | | FORMATION | | FORMATION | | FORMATION | |
|---------|-----|-----------|------|-----------|------|-----------|-------|-----------|------|
| FROM | TO | DEPTH | DEL. | DEPTH | DEL. | DEPTH | DEL. | DEPTH | DEL. |
| 492 | 564 | 90 | 24 | 650 | 6 | 71 | 5 1/2 | | |

DAY TOUR **12.00 A.M. 24.00**

| CREW | SOC SEC NO. | NAME |
|----------|-------------|----------------------|
| DRILLER | | DEAN WHITE |
| DRAWMAN | | ANDREW DIXSON |
| MTRAMAN | | RICKY WHITE |
| WELDER | | DEAN DIXSON |
| MECHANIC | | CORNELIUS TESSERLAGE |
| TRAINER | | WAYNE BARKETT |
| | | TONY REYNOLDS |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: **LOI YANG 1A** DATE: **24-11-94**
 OPERATOR: **CAPITAL ENERGY** CONTRACTOR: **RURAL WATER CORPORATION**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| | | | |
|-------------------------------------|---------------------------|-------------------------|--|
| FIELD OF DIST: LOI YANG | COUNTY: GRIPPSLAND | STATE: VICTORIA | WIRE LINE RECORD: HEEL NO |
| SIZE: 13 1/2" Sumi | MAKE: Sumi | WT & GR: 9 | NO. JOINTS: 9 |
| FEET: 114.6 | NO. LINES: 8 | FT SLEEVE: 114.6 | PRESENT LENGTH: 94 |
| LAST LUBING OIL: 9 1/2" Burt | WT & GR: 31 | FEET: 85.7 | TON M. OF TUBE SINCE LAST CUT: 12.5 |

DRILLING CREW PATROLL DATA
 DATE: **24 NOV-94**
 WELL NAME & NO: **LOI YANG 1A**
 COMPANY: **CAPITAL ENERGY**
 TOOL PUSHER: **G. FLOREO / N. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----------|------------------------------------|-----------------|----------------------------|
| OPERATION NIGHT DAY | | B' 8 1/2" .25 FT | BIT NO 4 | TIME 03:00 06:00 |
| UP AND LAF DOWN | | B' 8 1/2" .52 | SIZE 8 1/2" | WEIGHT 10.2 10.1 |
| CHL. ACTUAL | 7 1/2 12 | X/OOL .39 FT | MFC RECO | PRESSURE GRADIENT 47 50 50 |
| HEAVING | | 12 6 1/2" OL 104.23 FT | TYPE S115 | VISC SEC 49 50 |
| COILING | | X/OOL .46 FT | JETS 132 202015 | PUMP |
| CONDITION MUD & CIRCULATE | | X/OOL .9 33 FT | SEP NO YET945 | GELS |
| TRIPS | | 4 6 1/2" DC 36.6 FT | DEPTH OUT 511H | W. CC |
| LUBRICATE RIG | | 12 HWDP 111.48 | DEPTH IN 342 | DP |
| REPAIR RIG | 3 | | | SOLIDS |
| CUT OFF DRILLING LINE | | | TOTAL HRS 41 | |
| DEVIATION SURVEY | 1/2 | | TOTAL HRS 7 1/2 | |
| WIRE LINE LOGS | | 7 STANDS DP 133.0 FT | CONC HRS 511H | |
| RUN CASING & CEMENT | | SING. L. DP | | MUD & CHEMICALS ADDED |
| WAIT ON CEMENT | | REL. DOWN 6.70 FT | | TYPE AMT TYPE AMT |
| ASPLE UP BOP | | TOTAL 383 MBS | | |
| TEST BOP | | WT OF STRING 65000 LBS | | |
| DRILL STEM TEST | | REMARKS #1 @ 362 mbs w/ 10.1 p.p.c | | |
| PLUG BACK | | S.P.R. 80 S.P.M = 50 P.S.I. | | |
| SQUEEZE CEMENT | | 25 " = 100 " | | |
| FISHING | | 30 " = 200 " | | |
| DIP WORK | | | | |
| L.O.T. | | | | |

| FOOTAGE | DR. IN. CORE C | CONC. CORE C | FORMATION | HOT AIR | W. ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---|----------------|--------------|------------|---------|---|------------|-----------|-----------|--------|
| 349 354 | D | | CMT & SNOE | 2/60 | 5 | 60 | 6" 70 | 5 1/2 | S |
| 354 365 | PH | | Rathole | 60 | 4 1/2 | 60 | 6" 70 | 5 1/2 | S |
| 365 383 | D | | CLAYSTONE | 130 | 1/10 | 60 | 6" 70 | 5 1/2 | S |
| DEVIATION RECORD | | | | | | | | | |
| 385 10 | | | | | | | | | |
| DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | |
| TIME LOG | FROM | TO | LAPSE TIME | CODE NO | | | | | |
| | 00:00 | 03:00 | 3 | 8 | REPAIR DRAWWORKS BRAKE & LINKAGES | | | | |
| | 03:00 | 08:00 | 5 | 2 | DRILL CMT & SNOE // 349 mbs TO 354 mbs Drill/clean Rathole to 362 mbs Drill 3 mbs 8 1/2" hole FM/362 -> 365 mbs | | | | |
| | 08:00 | 08:30 | 1/2 | 5 | CIRC FOR SURVEY @ 365 mbs. | | | | |
| | 08:30 | 09:00 | 1/2 | 10 | Survey @ 365 mbs 1° | | | | |
| | 09:00 | 09:30 | 1/2 | 21 | L.O.T @ 365 mbs | | | | |
| | 09:30 | 12:00 | 2 1/2 | 2 | DRILL 8 1/2" hole FM/365 mbs TO 383 mbs | | | | |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SOC SEC NO | NAME |
|-----------|------------|---------------------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DAVE SHIRRA |
| ATTENDANT | | BRAUN ANDERSON |
| FIREMAN | | JAM MC SWAIN |
| FLUEMAN | | LANCE SCOTT |
| FLUEMAN | | GERARD HANO |
| CRANE SUP | | |
| MECHANIC | | * NATHAN PARRISH |
| WELDER | | (over time 11:00 - 11:30) |
| RESTAUR | | |
| RESTAUR | | |
| TRAMER | | |
| | | T/P |
| | | GERARD FLOREO |

NO. OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|---------------------|---------------------------------|----------------------------|
| 1 | 8 1/2" .25 FT | BIT NO 4 | TIME 12:00 18:00 24:00 |
| 1 | B' 8 1/2" .52 | SIZE 8 1/2" | WEIGHT 10.1 10.1 10.8 |
| 1 | X/OOL .39 FT | MFC RECO | PRESSURE GRADIENT 47 50 50 |
| 12 | 6 1/2" OL 104.23 FT | TYPE S115 | VISC SEC |
| 1 | X/OOL .46 FT | JETS 132 202015 | PUMP |
| 1 | X/OOL .9 33 FT | SEP NO YET945 | GELS |
| 4 | 6 1/2" DC 36.6 FT | DEPTH OUT 458 | W. CC |
| 12 | HWDP 111.48 | DEPTH IN 342 | DP |
| | | TOTAL, %C 116 | SOLIDS |
| | | TOTAL HRS 19 1/2 | |
| | | CONC HRS 511H | |
| | | SING. L. DP | MUD & CHEMICALS ADDED |
| | | REL. DOWN | TYPE AMT TYPE AMT |
| | | TOTAL | |
| | | WT OF STRING | |
| | | REMARKS @ 409 mbs w/ 10.1 p.p.c | |
| | | S.P.R. 20 S.P.M = 50 P.S.I. | |
| | | 25 " = 100 " | |
| | | 30 S.P.M = 200 P.S.I. | |

| FOOTAGE | DR. IN. CORE C | CONC. CORE C | FORMATION | HOT AIR | W. ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---|----------------|--------------|-----------------------|---------|--|------------|-----------|-----------|--------|
| 385 458 | D | | CLAYSTONE / SANDSTONE | 120 | 1/20 | 600 | 6" 68 | 5 1/2 | S |
| DEVIATION RECORD | | | | | | | | | |
| 120 24:00 12 2 | | | | | | | | | |
| DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | | | | | |
| TIME LOG | FROM | TO | LAPSE TIME | CODE NO | | | | | |
| | 12:00 | 24:00 | 12 | 2 | DRILL 8 1/2" hole FM/383 mbs/ 458 mbs. | | | | |

DAY TOUR 12:00 A.M. 00:00

| CREW | SOC SEC NO | NAME |
|-----------|------------|------------------|
| DRILLER | | Dennis White |
| DRAWMAN | | Andrew Jackson |
| ATTENDANT | | Ricky White |
| FIREMAN | | Caroline Mackie |
| FLUEMAN | | CRANDIS TESSLAAR |
| FLUEMAN | | Wayne Barrett |
| FLUEMAN | | Tony Reynolds |
| CRANE SUP | | |
| MECHANIC | | |
| WELDER | | Glen Kingwell |
| RESTAUR | | |
| RESTAUR | | |
| TRAMER | | |
| | | T/P |
| | | Norris Beaman |
| | | Bevill Anderson |

NO. OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

DAILY DRILLING REPORT REPORT NO. _____

WELL NO. 114 DATE 23/11/94

API WELL NUMBER _____ WATER _____

OPERATOR LOY YANG CONTRACTOR RURAL WATER CORPORATION RIG NO. K

SIGNATURE OF OPERATOR'S REPRESENTATIVE _____ SIGNATURE OF CONTRACTOR'S TOOL PUSHER _____

| SIZE | GRADE | TOOL JOG | TYPE | THREAD | STRING NO. | PUMP NO. | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|-------|----------|------|--------|------------|----------|-------------------|---------|---------------|
| 2 1/2 | 11.6 | E | 1/2 | 1/2 | 1 | 1 | CENTUMEL DENVER | F2-29 | 12" |
| 2 | 10.7 | E | 1/2 | 1/2 | 2 | 2 | NATIONAL | WSH-200 | 12" |

FIELD NO. LOY YANG COUNTY GEORGIANA STATE VICTORIA

WIRE LINE RECORD: HOLE NO. _____ NO. LINES 8 FT SLIPPED _____

LAST CASING TUBING OF LINE: SIZE 13 3/8 MAKE S.M. WT. & GR. 34.5 NO. JOINTS 9 FEET 114 HOLE TO CSG NO. _____ SET AT _____

TONS OR TRIPS SINCE LAST CUT 88 CUMULATIVE TONNAGE OF TRIPS 119

DRILLING CREW PAYROLL DATA

DATE 23 NOV - 94

WELL NAME & NO. LOY YANG 114

COMPANY CAPITAL ENERGY

TOOL PUSHER GLENZON / H. BEAMAN RIG NO. 114

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|------------------------------|-------|--|------------------|-----------------------|
| 1. UP AND TRIP DOWN | | BIT 9 1/2" 25 FT | BIT NO. | TIME |
| 2. DRILL - ACTUAL | 5 1/2 | BIT SUB 52 | SIZE 8 1/2 | WEIGHT |
| 3. REAMING | | WIRE X/O OD 39 FT | MFC REED | PRESSURE GRADIENT |
| 4. CORING | | 12" DC 6 1/2" OD 104.25 FT | TYPE S. 115 | VISC SEC |
| 5. CONDITION MUD & CIRCULATE | 1/2 | WIRE X/O OD 46 FT | JETS 1:3 | PUMP |
| 6. TRIPS | | DRILLING MTR 9 33 FT | SER NO 761945 | GELS |
| 7. LUBRICATE RIG | | 4" WIRE X/O OD 36.6 FT | DEPTH OD | W. CC |
| 8. REPAIR RIG | 3 1/2 | 12" HWDP 111.48 | DEPTH IN 342 | DM |
| 9. SHUT OFF DRILLING LINE | | | TOTAL FTG | SOLIDS |
| 10. DEVIATION SURVEY | | | TOTAL HRL RUN | |
| 11. WIRE LINE LOGS | | | | |
| 12. RUN CASING & CEMENT | 4 | STANDS DP 76.89 FT | CONE TB: TB/GAGE | MUD & CHEMICALS ADDED |
| 13. WAIT ON CEMENT | | SINGLES DP FT | GM/PPH/PS | TYPE AMT TYPE AMT |
| 14. TRIP UP B.C.P. | | RELLY DOWN 9 MTR | | |
| 15. TEST B.C.P. | 1/2 | TOTAL 349 FT | | |
| 16. DRILL STEM TEST | | WT OF STRING LBS | | |
| 17. P.U.G. BACK | | REMANAL IDHA LENGTH 263.28 WT = 3500 LBS | | |
| 18. SOUZZE CEMENT | | REPLACE | | |
| 19. FISHING | | REPAIR H2O LINE TO HYDROMATIC REPAIR | | |
| 20. LE WORK | | MUD MIX MTR, CNT REPAIRS TO DRAWWORKS | | |
| 21. | | DRILLER <u>SCOTT TURNER</u> | | |

| FOOTAGE | | DR. I. RIG & CORE C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | REGULAR RIG | "O" ON BIT 1000 | PUMP PRESS | PUMP NO / LINES SIZE | PUMP NO / LINES SIZE | METHOD RUN |
|---------|-------|---------------------|----------|---|-------------|-----------------|------------|----------------------|----------------------|------------|
| FROM | TO | | | | | | | | | |
| 00:00 | 02:00 | 2 | 8 | CONT. INSTALL NEW HYDROMATIC BEARING & PUMPING | | | | | | |
| 02:00 | 07:30 | 5 1/2 | 2 | DRAW RUBBER PILES FLOAT LOWER & CNT 1/342 TO 349 FT | | | | | | |
| 07:30 | 08:00 | 1/2 | 5 | Circ for CS9 test. | | | | | | |
| 08:00 | 08:30 | 1/2 | 8 | Pressure test CS9 to 2000 P.S.I. (REPAIR RATE) | | | | | | |
| 08:30 | 11:00 | 2 1/2 | 8 | B.O.P. leaking from piston O-Rings | | | | | | |
| 11:00 | 12:00 | 1 | 8 | P.O.O.H. w/ 8 1/2" bit to install float. | | | | | | |
| | | | | open B.O.P. piston Flange to Repair O-Rings | | | | | | |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SOC SEC NO. | NAME |
|------------|-------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DAVE SHERRA |
| INTERMAN | | BRIAN ANDERSON |
| FIELDMAN | | IAN MCGWATH |
| FIELDMAN | | JIM THREKLER |
| FIELDMAN | | GERARD HAMB |
| CRANE BUFT | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOFT | | |
| TRAINEE | | T/P |
| | | KEITHAN FLORES |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT _____

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------|-------------------|
| 1A | PERF. IN | BIT | TIME |
| 1B | TRIP TRIPS | SIZE | WEIGHT |
| 2 | TREATING | STE RMR DD | PRESSURE GRADIENT |
| 3 | SWABBING | DC ID DD | VISC SEC |
| 4 | TESTING | STE RMR DC | PUMP |
| 5 | ADDITIONAL | DC ID DD | GELS |
| 6 | | STE RMR DC | DEPTH OD |
| 7 | | | DEPTH IN |
| 8 | | | TOTAL FTG |
| 9 | | | TOTAL HRL RUN |
| 10 | | | CONC TB: TB/GAGE |
| 11 | | | GM/PPH/PS |
| 12 | | | TYPE AMT TYPE AMT |
| 13 | | | DEPTH OD |
| 14 | | | DEPTH IN |
| 15 | | | TOTAL FTG |
| 16 | | | TOTAL HRL RUN |
| 17 | | | CONC TB: TB/GAGE |
| 18 | | | GM/PPH/PS |
| 19 | | | TYPE AMT TYPE AMT |
| 20 | | | DEPTH OD |
| 21 | | | DEPTH IN |
| 22 | | | TOTAL FTG |
| 23 | | | TOTAL HRL RUN |
| 24 | | | CONC TB: TB/GAGE |
| 25 | | | GM/PPH/PS |
| 26 | | | TYPE AMT TYPE AMT |
| 27 | | | DEPTH OD |
| 28 | | | DEPTH IN |
| 29 | | | TOTAL FTG |
| 30 | | | TOTAL HRL RUN |
| 31 | | | CONC TB: TB/GAGE |
| 32 | | | GM/PPH/PS |
| 33 | | | TYPE AMT TYPE AMT |
| 34 | | | DEPTH OD |
| 35 | | | DEPTH IN |
| 36 | | | TOTAL FTG |
| 37 | | | TOTAL HRL RUN |
| 38 | | | CONC TB: TB/GAGE |
| 39 | | | GM/PPH/PS |
| 40 | | | TYPE AMT TYPE AMT |

REMARKS: DRAWWORKS BRAKE SUSPECT AND NOT 100% AFFECTION

DRILLER _____

| FOOTAGE | | DR. I. RIG & CORE C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | REGULAR RIG | "O" ON BIT 1000 | PUMP PRESS | PUMP NO / LINES SIZE | PUMP NO / LINES SIZE | METHOD RUN |
|---------|-------|---------------------|----------|---|-------------|-----------------|------------|----------------------|----------------------|------------|
| FROM | TO | | | | | | | | | |
| 12:00 | 17:00 | 5 | 8 | Survey O-Rings for B.O.P. & Fit Same. | | | | | | |
| 17:00 | 19:00 | 2 | 8 | Rup water pump 3/4" x 3" line to hydromatic | | | | | | |
| 19:00 | 24:00 | 5 | 8 | REPAIR DRAWWORK BRAKE & LINKAGES | | | | | | |

DAY TOUR 12:00 A.M. 00:00

| CREW | SOC SEC NO. | NAME |
|------------|-------------|-------------------|
| DRILLER | | Dennis White |
| DRAWMAN | | Andrew Dickson |
| INTERMAN | | Ricky White |
| FIELDMAN | | Graham Mackie |
| FIELDMAN | | Cornelis Tesselar |
| FIELDMAN | | Wayne Bartlett |
| FIELDMAN | | Tony Reynolds |
| CRANE BUFT | | |
| MECHANIC | | |
| WELDER | | Gen Kingwell |
| ASTABOFT | | |
| ASTABOFT | | |
| TRAINEE | | T/P |
| | | Norris Beaman |
| | | Bernie Anderson |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT _____

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT NO.

OPERATOR **LOY YANG** WELL NO. **1A** DATE **22-11-94**
 CONTRACTOR **RURAL WATER CORPORATION** RIG NO. **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]*
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT | GRADE | TOOL JOG | TYPE | LEAD | STRING NO. | MUM NO. | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|------|------|-------|----------|------|------|------------|---------|-------------------|---------|---------------|
| 2" | 11.6 | E | 6 1/4 | KIF | 1 | 1 | 1 | GALMICK JENVER | FZ-29 | 12" |
| 2" | 10.7 | E | 6 1/4 | KIF | 2 | 2 | 2 | NATIONAL | KSH 24C | 12" |

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------|-------------------|--------------|-----------------------|
| OPERATION | NIGHT | DAY | BIT | TIME |
| DRILL UP AND LAR DOWN | | | SIZE | WEIGHT |
| REAMING | | | SIZE | PRESSURE GRADIENT |
| LOGGING | | | TYPE | VISC SEC |
| CONDITION MUD & CIRCULATE | | | JETS | PURSE |
| TRIPS | 4 | | SEF HC | GELL |
| LUBRICATE RIG | | | DEPTH-OUT | ML CC |
| DRILLING LINE | 12 | 8 | DEPTH-IN | SP |
| DEVIATION SURVEY | | | TOTAL FIC | SOLIDS |
| WIRE LINE LOGS | | | TOTAL MIN | |
| RUN CASING & CEMENT | | | STANDS OF | MUD & CHEMICALS ADDED |
| WAIT ON CEMENT | | | SINGLES | TYPE AMT TYPE AMT |
| MAKE UP BOP | | | RELLY DOWN | |
| "LS" B/C | | | TOTAL | |
| CANISTER TEST | | | WT OF STRING | LBS |
| W/ BACK | | | REMARKS | |

REMARKS: **UNDER REPAIR, MUD MIXING MTR, HYDRAMATIC, DRAINWORKS BROKE,**
DRILLER: Scott Turner

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------|-------------------|--------------|-----------------------|
| OPERATION | NIGHT | DAY | BIT | TIME |
| DRILL UP AND LAR DOWN | | | SIZE | WEIGHT |
| REAMING | | | SIZE | PRESSURE GRADIENT |
| LOGGING | | | TYPE | VISC SEC |
| CONDITION MUD & CIRCULATE | | | JETS | PURSE |
| TRIPS | | | SEF HC | GELL |
| LUBRICATE RIG | | | DEPTH-OUT | ML CC |
| DRILLING LINE | 12 | 12 | DEPTH-IN | SP |
| DEVIATION SURVEY | | | TOTAL FIC | SOLIDS |
| WIRE LINE LOGS | | | TOTAL MIN | |
| RUN CASING & CEMENT | | | STANDS OF | MUD & CHEMICALS ADDED |
| WAIT ON CEMENT | | | SINGLES | TYPE AMT TYPE AMT |
| MAKE UP BOP | | | RELLY DOWN | |
| "LS" B/C | | | TOTAL | |
| CANISTER TEST | | | WT OF STRING | LBS |
| W/ BACK | | | REMARKS | |

REMARKS:



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | | |
|----------------------------|-----------|------------------------------|------------------|-----------|
| FIELD OR DIST | COUNTY | STATE | WIRE LINE RECORD | HEEL NO |
| LOY YANG | GIPPSLAND | VICTORIA | SIZE | NO LINES |
| LAST CASING TUBING OR LINE | SIZE | MAKE | WT & GR | NO JOINTS |
| 13 3/4 | 5 1/2 | 54 | 9 | |
| 9 5/8 | BUTT | 26 1/2 | 31 | |
| FEET | | NO TO CSO MET | SP 1" | |
| 354.6 | | | | |
| PRESET LENGTH | | TENS OF TRIPS SINCE LAST CUT | | |
| | | 67 | | |
| | | CUMULATIVE TENS OF TRIPS | | |
| | | 98 | | |

| FOOTAGE | UP & DOWN | CORE NO | FORMATION | REMARKS |
|---------|-----------|---------|----------------------|---|
| FROM | TO | | (SHOW CORE RECOVERY) | |
| 00:00 | 12:00 | 12 | 8 | Cont work on Rig brake Await Hydraulic Brake from G+S Workshop Cont General Rig Maintenance |

| FOOTAGE | UP & DOWN | CORE NO | FORMATION | REMARKS |
|---------|-----------|---------|-----------|---|
| FROM | TO | | | |
| 12:00 | 19:00 | 7 | 8 | await Hydraulic Brake from G+S workshop |
| 19:00 | 23:00 | 4 | 6 | MAKE UP 8" BHA & R.H. TO 342 MTS. |
| 23:00 | 00:00 | 1 | 8 | INSTALL NEW HYDRAMATIC & PLUMB IN SAME |

| | |
|----------------------------|-----------------------|
| DRILLING CREW PAYROLL DATA | |
| DATE | 22-11-94 |
| WELL NAME & NO | LOY YANG 1A |
| COMPANY | CAPITAL ENERGY |
| TOOL PUSHER | G. ELDRED / N. BEAMAN |

| | |
|-----------------------------|------------------|
| NIGHT TOUR 00:00 P.M. 12:00 | |
| CREW | SOC SEC NO NAME |
| DRILLER | Scott Turner |
| DIRMAN | Jane Shiera |
| MTRMAN | Brian Anderson |
| FRIGMAN | Jim McSwain |
| FLRMAN | Jim Anderson |
| FLRMAN | Gerard Hart |
| CRANE SUP | |
| MECHANIC | |
| WELDER | |
| ASTABOUT | |
| ASTABOU | |
| TRAINER | TP Graham Eldred |

| | |
|---------------------------|-------------------------------------|
| DAY TOUR 12:00 A.M. 00:00 | |
| CREW | SOC SEC NO NAME |
| DRILLER | Dennis White |
| DIRMAN | Andrew Dickson |
| MTRMAN | Ricky White |
| FRIGMAN | Graham Mackie |
| FLRMAN | Honey Karaczky |
| FLRMAN | Wayne Bartlett |
| FLRMAN | Tom Reynolds |
| CRANE SUP | |
| MECHANIC | Alan Kingwell |
| WELDER | |
| ASTABOUT | |
| ASTABOU | |
| TRAINER | TP Norris Beaman Bernie Anderson |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: **LOY YANO** API WELL NUMBER: **1-A** WATER USE: DATE: **21/11/94**

OPERATOR: **CAPITAL ENERGY** CONTRACTOR: **RURAL WATER Commission** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT #1 | TOOL JOE | THREAD | STANG NO | STAMP NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|-------|-------|----------|--------|----------|----------|-------------------|---------|---------------|
| 1 1/2 | 10.7 | E | 60° | 1/2" | 1 | CAGARRA DENVAR | F2-29 | 12" |
| 2 | 10.7 | E | 60° | 1/2" | 2 | NATIONAL | WSH-28D | 12" |

FIELD OR DIST: **LOY YANO** COUNTY: **GIPPSLAND** STATE: **VICTORIA** WIRE LINE RECORD: WELL NO:

| SIZE | MAKE | WT & GR | NO JOINTS | FELT | RUE TO CSC NO | SET AT | SIZE | " | NO LINES | " | SLIPPER |
|-------|------|---------|-----------|------|---------------|--------|-------|---|----------|---|---------|
| 1 1/2 | Soma | 30 S | 9 | | | | 1 1/2 | 6 | 8 | | 30" |
| 2 | Bost | 35 S | 31 | | | | 2 | 6 | | | |

TONNAGE OF TRIPS SINCE LAST CUT: **67** PRESENT LENGTH: **30'**

TONNAGE OF TRIPS CUMULATIVE TO TOP OF TRIPS: **98**

DRILLING CREW PAYROLL DATA No. **21-11-94**

DATE: **21-11-94**

WELL NAME & NO: **LOY YANO 1A**

COMPANY: **CAPITAL ENERGY**

TOOL PUSHER: **G EDWARDS / M. BEAMAN**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|-------------------|-----------------------|
| OPERATION NIGHT DAY | | | | |
| SET UP AND TAKE DOWN | | | SIZE | WEIGHT |
| DRILLING ACTUAL | | STE RMA OD FT | MFC | PRESSURE GRADIENT |
| REAMING | | DC IL OD FT | TYPE | VISC SEC |
| DRILLING | | STE RMA OD FT | JETS 1-3 | PUMP |
| CONDITION MUD & CIRCULATE | | DC IL OD FT | SEP NO | GELS |
| TRIPS | | STE RMA OD FT | DEPTH OD | WL CC |
| LUBRICATE RIG | | | DEPTH IN | CF |
| REPAIR RIG | | | TOTAL FTG | SOLIDS |
| STOP DRILLING TIME | | | TOTAL MIN RUN | |
| DEVIATION SURVEY | | | | |
| TIME LINE LOGS | | | | |
| STANDS UP | | STANDS DP FT | CONG HT 1 TB GAGE | MUD & CHEMICALS ADDED |
| SHOOTS ON CEMENT | | SINGLES DP FT | GMW RPS | TYPE AMT TYPE AMT |
| MAKE UP BOP | | PULL DOWN FT | | |
| TEST BOP | | TOTAL FT | | |
| DRILL STEM TEST | | WT OF STRING LBS | | |
| MUD BACK | | | | |
| SQUEEZE CEMENT | | | | |
| DRILL WORM | | | | |
| REMARKS | | | | |

| FOOTAGE | FORMATION | DEVIATION RECORD |
|-------------|--|---|
| FROM TO | IS ON CORE RECOVERY | DEPTH DE. DIRECTION DEPTH DE. DIRECTION DEPTH DE. DIRECTION |
| 00:00 12:00 | REPLACE BEAMS IN CELLAR & REPOSITION BOTTLE JACKS TO STABILIZE RIG. MAKE UP FLARE LINE, CON'T SHEAR MUD & MIX CHEMICALS, SERVICE RIG. HYDRAULIC ON SITE (G.M.C.H.S). SHAFT SIZE IN COMPARTMENT SENT TO G & S SALE FOR MACHINING & TO RE FIT TO HOISTFRAME, RE BOLD DOWNS MANUAL BEARER PARTS | |
| TIME LOG | ELAPSED TIME | CODE NO. |
| 00:00 12:00 | | |

NIGHT TOUR **00:00** P.M. **12:00**

| CREW | SOC SEC NO | NAME |
|------------|------------|-----------------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | DAVE SHIRKA |
| MTRMAN | | BRYAN ANDERSON |
| FLRMAN | | LAURIE SEDGWICK |
| FLRMAN | | JIM THOMPSON |
| FLRMAN | | GEORGE HARRIS |
| FLRMAN | | |
| FLRMAN | | |
| CRANE SUPT | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| | | T/P. (Graham Edwards) |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

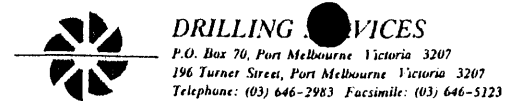
| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|-------------------|-----------------------|
| OPERATION NIGHT DAY | | | | |
| SET UP AND TAKE DOWN | | | SIZE | WEIGHT |
| DRILLING ACTUAL | | STE RMA OD FT | MFC | PRESSURE GRADIENT |
| REAMING | | DC IL OD FT | TYPE | VISC SEC |
| DRILLING | | STE RMA OD FT | JETS 1-3 | PUMP |
| CONDITION MUD & CIRCULATE | | DC IL OD FT | SEP NO | GELS |
| TRIPS | | STE RMA OD FT | DEPTH OD | WL CC |
| LUBRICATE RIG | | | DEPTH IN | CF |
| REPAIR RIG | | | TOTAL FTG | SOLIDS |
| STOP DRILLING TIME | | | TOTAL MIN RUN | |
| DEVIATION SURVEY | | | | |
| TIME LINE LOGS | | | | |
| STANDS UP | | STANDS DP FT | CONG HT 1 TB GAGE | MUD & CHEMICALS ADDED |
| SHOOTS ON CEMENT | | SINGLES DP FT | GMW RPS | TYPE AMT TYPE AMT |
| MAKE UP BOP | | PULL DOWN FT | | |
| TEST BOP | | TOTAL FT | | |
| DRILL STEM TEST | | WT OF STRING LBS | | |
| MUD BACK | | | | |
| SQUEEZE CEMENT | | | | |
| DRILL WORM | | | | |
| REMARKS | | | | |

| FOOTAGE | FORMATION | DEVIATION RECORD |
|-------------|---|---|
| FROM TO | IS ON CORE RECOVERY | DEPTH DE. DIRECTION DEPTH DE. DIRECTION DEPTH DE. DIRECTION |
| 12:00 24:00 | SHOOTS HYDRAULIC TO RETURN FROM G+S MACHINE SHOP, MACHINE NEW PINS FOR DUFFERS BRAKE FIT SAME. CONT SHEAR MUD AS REQUIRED GENERAL RIG MAINTENANCE | |
| TIME LOG | ELAPSED TIME | CODE NO. |
| 12:00 24:00 | | |

DAY TOUR **12:00** A.M. **24:00**

| CREW | SOC SEC NO | NAME |
|------------|------------|-----------------|
| DRILLER | | NENNIS WHITE |
| DRAWMAN | | ANDREW DICKSON |
| MTRMAN | | RICKY WHITE |
| FLRMAN | | GRAHAM MACKIE |
| FLRMAN | | HELEN KUDRICKY |
| FLRMAN | | WAYNE BARKLEY |
| FLRMAN | | TONY REYNOLDS |
| FLRMAN | | |
| FLRMAN | | |
| CRANE SUPT | | |
| MECHANIC | | GLENN KINGWELL |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAMER | | |
| | | Norris Beaman |
| | | Bernie Anderson |

NO OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT



LEASE: LOYANG WEL. NO: 1A API WELL NUMBER: DATE: 20/11/94
 OPERATOR: CAPITAL ENERGY CONTRACTOR: RURAL WATER CORPORATION
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: SIGNATURE OF CONTRACTOR'S TOOL PUSHER:

FIELD OR DIST: LLOYANG COUNTY: GIFFLAND STATE: VICTORIA
 WIRE LINE RECORD: NO. LINES: 8
 LAST LANDING: 13 7/8 SIZE MAKE: S&W WT & GR: 51 JOINTS: 9 FEET: 114.6
 9 3/8 SIZE MAKE: B&T WT & GR: 31 JOINTS: 31 FEET: 354.46

DRILLING CREW PAYROLL DATA
 DATE: 20/11/94
 WELL NAME & NO: LOYANG 1A
 COMPANY: CAPITAL ENERGY
 TOOL PUSHER: G. ELDRED / N. BEAMAN

| TIME DISTRIBUTION - HOURS | | | NO. DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|------------------------------|-------|-----|-----------------------|------|------------|--------|-------------------|--|
| OPERATION | HOURS | DAY | BIT NO. | SIZE | TIME | WEIGHT | PHOSPHOR GRADIENT | |
| 1. RIG UP AND TEAR DOWN | | | | | | | | |
| 2. DRILL ACTUAL | | | STB RMP OD | ST | MFC | | | |
| 3. CLEANING | | | DC ID OD | ST | TYPE | | | |
| 4. CORING | | | STB RMP OD | ST | JETS 1/32 | | | |
| 5. CONDITION MUD & CIRCULATE | | | DC ID OD | ST | SEP. NO. | | | |
| 6. TRIPS | | | STB RMP OD | ST | DEPTH OUT | | | |
| 7. LUBRICATE RIG | | | | | | | | |
| 8. REPAIR RIG | 12 | | | | | | | |
| 9. CUT OFF DRILLING LINE | | | | | | | | |
| 10. DEVIATION SURVEY | | | | | | | | |
| 11. WIRE LINE LOGS | | | | | | | | |
| 12. RUN CASING & CEMENT | 1 | | | | | | | |
| 13. WAIT ON CEMENT | | | | | | | | |
| 14. NIPPLE UP BOP | 7 | | | | | | | |
| 15. TEST BOP | 4 | | | | | | | |
| 16. DRILL STEM TEST | | | | | | | | |
| 17. FLUG BACK | | | | | | | | |
| 18. SQUEEZE CEMENT | | | | | | | | |
| 19. FISHING | | | | | | | | |
| 20. DIP WORK | | | | | | | | |

| FOOTAGE | | DR. L. & P. CORE | | CORE NO. | | FORMATION (SHOW CORE RECOVERY) | | ACTUARY RPM | | PUMP PRESS. | | PUMP NO. | | PUMP NO. | | METHOD | | |
|---------|------|------------------|----------|--|-------|--------------------------------|-----------|-------------|------|-------------|-------|----------|-----------|----------|------|-----------|-------|------|
| FROM | TO | ELAPSED TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. |
| 0000 | 0700 | 7 | 14 | CONT. INSTALL RODMARY LINES, BALL NIPPLE, FILL UP LINE, KILL LINE. INSTALL CHOKER MANIFOLD, LINES TO DEGRASSER | | | | | | | | | | | | | | |
| 0700 | 0900 | 2 | 15 | FUNCTION TEST B.O.P.S. | | | | | | | | | | | | | | |
| 0900 | 1000 | 1 | 12 | RUN STINGER IN 7 7/8" x 13 1/4" CSG. 30 FT DWN TOP JOBS @ 15.6 PPG CLASS A CMT TO SURFACE. | | | | | | | | | | | | | | |
| 1000 | 1200 | 2 | 15 | TEST BLIND RAMS 2000 PSI CHOKER MANIFOLD, MCR VALVE, M/UP CUP TESTER, TEST PIPE RAMS & HYDRANT. | | | | | | | | | | | | | | |

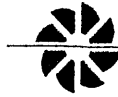
DRILLER: SCOTT TURNER
 DRAMAN: JIM THIESHER
 INTERMAN: DEAN DESSERT
 FIREMAN: GERRARD HAND
 FIREMAN: LAURIE SEDMAN
 FIREMAN: TREVOR JEFFREY
 CRANE SUP: GERRARD ELDRED
 MECHANIC: GERRARD ELDRED
 WELDER: GERRARD ELDRED
 RSTABOUL: GERRARD ELDRED
 RSTABOUL: GERRARD ELDRED
 TRAINEE: GERRARD ELDRED

| COMPLETION | | | NO. DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------|-------|-----|-----------------------|------|------------|--------|-------------------|--|
| OPERATION | HOURS | DAY | BIT NO. | SIZE | TIME | WEIGHT | PHOSPHOR GRADIENT | |
| A. REPAIR RIG | | | | | | | | |
| B. TBG TRIPS | | | STB RMP OD | ST | MFC | | | |
| C. TREATING | | | DC ID OD | ST | TYPE | | | |
| D. SWABBING | | | STB RMP OD | ST | JETS 1/32 | | | |
| E. TESTING | | | DC ID OD | ST | SEP. NO. | | | |
| F. ADDITIVES | | | STB RMP OD | ST | DEPTH OUT | | | |
| G. | | | | | | | | |
| H. DAY WORK | 12 | 12 | | | | | | |

| FOOTAGE | | DR. L. & P. CORE | | CORE NO. | | FORMATION (SHOW CORE RECOVERY) | | ACTUARY RPM | | PUMP PRESS. | | PUMP NO. | | PUMP NO. | | METHOD | | |
|---------|------|------------------|----------|---|-------|--------------------------------|-----------|-------------|------|-------------|-------|----------|-----------|----------|------|-----------|-------|------|
| FROM | TO | ELAPSED TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. | DIRECTION | DEPTH | DEV. |
| 12 | 2100 | 12 | 8 | REPAIRS TO BRACKES ON DRAWWORKS, W.O. HYDRAMATIC GENERAL MAINTENANCE & REPAIRS. | | | | | | | | | | | | | | |

DRILLER: DENNIS WHITE
 DRAMAN: ANDREW DICKSON
 INTERMAN: RICKY WHITE
 FIREMAN: GRAHAM MACKIE
 FIREMAN: HENRY KUCIOZKY
 FIREMAN: WYATT BARRETT
 TRAINEE: TRAY REYNOLDS
 CRANE SUP: GLEN KINGWELL
 MECHANIC: GLEN KINGWELL
 WELDER: GLEN KINGWELL
 RSTABOUL: GLEN KINGWELL
 RSTABOUL: GLEN KINGWELL
 TRAINEE: GLEN KINGWELL
 WELDER: GLEN KINGWELL
 RSTABOUL: GLEN KINGWELL
 TRAINEE: GLEN KINGWELL

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|----------------------------|---|
| WELL NO 1-A | API WELL NUMBER | DATE 14/11/96 |
| OPERATOR ROY JACO | CONTRACTOR MIDAL ENERGY | RIG NO 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> |
| TOOL JOINT | TIME THREAD | STRING NO |
| 16 E | 6 1/2 11.5 | 2 |
| 10-7 E | 6 1/2 11.5 | 2 |
| PUMP NO | PUMP MANUFACTURER | TYPE |
| 2 | NATIONAL | CS250 |

| | | | |
|-----------------------------|--------------------|-----------------|------------------|
| FIELD OR DIST VIC | COUNTY CO. MELB | STATE VIC | WIRE LINE RECORD |
| SIZE 12 1/4 | MAKE S.M. | WT & GR 54.5 | NO JOINTS 9 |
| LAST CASING TUBING OR LINER | FEET 116.6 | NO TO CCG NO | SET AT |
| | | | |

DRILLING CREW PAYROLL DATA

DATE: 14/11/96

WELL NAME & NO: 1-A

COMPANY: MIDAL ENERGY

TOOL PUSHER: P. JACO

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------|----------------|
| 1.00 | 1 | BH | 3 1/4 | 4 |
| 1.00 | 2 | PPS E | 12 1/4 | 12 1/4 |
| 1.00 | 3 | 1 X 0 OD | 70 | TYPE L114 L115 |
| 1.00 | 4 | 1 X 0 OD | 46 | SER NO 29122 |
| 1.00 | 5 | 1 X 0 OD | 9.33 | DEPTH OUT 312 |
| 1.00 | 6 | 1 X 0 OD | 111.48 | TOTAL 250 |
| 1.00 | 7 | 1 X 0 OD | 9.30 | DEPTH IN 162 |
| 1.00 | 8 | 1 X 0 OD | 12.00 | DEPTH IN 312 |
| 1.00 | 9 | 1 X 0 OD | 342.00 | TOTAL 33 9 1/2 |

| FOOTAGE | DEPT | DEV | DIRECTION | DEPT | DEV | DIRECTION | DEPT | DEV | DIRECTION |
|---------|------|-----|---------------------|------|-----|-----------|------|-----|-----------|
| 342 | 342 | D | SANDSTONE/CLAYSTONE | 130 | 15 | 65 | 6 | 55 | 55 |
| 342 | 362 | D | SANDSTONE/CLAYSTONE | 130 | 15 | 65 | 6 | 55 | 55 |

NIGHT TOUR 12:00 P.M. 12:00

| CRAN | SOC SEC NO | NAME | HRS |
|------------|------------|-----------------|-----|
| DRILLER | | SCOT TUNNEY | 12 |
| DRAWMAN | | VAN M. SUTHER | 12 |
| MTRAMAN | | CAEY I. WIGG | 12 |
| FLANMAN | | RONALD ANDERSON | 12 |
| FLANMAN | | TIM THOMAS | 12 |
| FLANMAN | | GERARD HANCOCK | 12 |
| CRANE SUIP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRAMER | | PAUL RICHANAN | 12 |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------|---------------|
| 1 | BH | 4 | 12:00 16:00 |
| 1 | B SUB | 12 1/4 | 11:00 11:30 |
| 2 | 8 D/L | 18 1/2 | 53 55 |
| 1 | 1 X 0 OD | 70 | TYPE L115 |
| 6 | 1 X 0 OD | 55.9 | JETS USE OPEN |
| 1 | 1 X 0 OD | 46 | SER NO 29122 |
| 1 | 1 X 0 OD | 9.33 | DEPTH OUT 362 |
| 3 | 6 1/2 D/L | 28.36 | DEPTH IN 312 |
| 12 | HUB | 111.48 | TOTAL 50 |
| 6 | STRANDS OF | 114.00 | CONC. WT 5 |
| | SINGLE | 12.00 | GRIPER PSI |
| | TOTAL | 362.63 | |

| FOOTAGE | DEPT | DEV | DIRECTION | DEPT | DEV | DIRECTION | DEPT | DEV | DIRECTION |
|---------|------|-----|---------------------|------|-----|-----------|------|-----|-----------|
| 342 | 362 | D | SANDSTONE/CLAYSTONE | 130 | 15 | 65 | 6 | 55 | 55 |
| 362 | 362 | D | SANDSTONE/CLAYSTONE | 130 | 15 | 65 | 6 | 55 | 55 |

DAY TOUR 12:00 A.M. 08:00

| CRAN | SOC SEC NO | NAME | HRS |
|------------|------------|-----------------|-----|
| DRILLER | | DENNIS WHITE | 12 |
| DRAWMAN | | ANDREW DICKSON | 12 |
| MTRAMAN | | RICKY WHITE | 12 |
| FLANMAN | | GRHAM MACKIE | 12 |
| FLANMAN | | HENRY HURDLEY | 12 |
| FLANMAN | | WAYNE BASTLET | 12 |
| FLANMAN | | TOM REYNOLDS | 12 |
| CRANE SUIP | | | |
| MECHANIC | | CELAN KINGWELL | 12 |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRAMER | | | |
| | | NORRIS REAMAN | 12 |
| | | BERNIE ANDERSON | 12 |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|---|-------------------------|
| WELL NO 1A | API WELL NUMBER 1A | DATE 17 11 94 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR D. RICHARDS N. REIDMAN | RIG NO 1 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | |
| WIRE LINE RECORD | | |
| SIZE | MAKE | WT & GA |
| NO. JOINTS | FEET | NO. TO CSO |
| SET AT | | |
| PI CUT OFF | | |
| PRESENT LENGTH | | |
| TON. OF TRIPS SINCE LAST CUT | | |
| CUMULATIVE TON. OF TRIPS | | |

| | | | | |
|------------------------------|----------------------------|--------------------------|------------------|-----------|
| FIELD OR DIST 1A | COUNTY GEORGIANA | STATE VICTORIA | WIRE LINE RECORD | HOLE NO |
| SIZE | MAKE | WT & GA | NO. LINES | PI SUPPLY |
| NO. JOINTS | FEET | NO. TO CSO | | |
| SET AT | | | | |
| PI CUT OFF | | | | |
| PRESENT LENGTH | | | | |
| TON. OF TRIPS SINCE LAST CUT | | | | |
| CUMULATIVE TON. OF TRIPS | | | | |

DRILLING CREW PAYROLL DATA

DATE **17 11 94**

WELL NAME & NO **1A**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **D. RICHARDS N. REIDMAN** RIG NO **1**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------------|-------------------|
| | 1 | RS 11 | 3/4" 80 FT | TIME 01:00 12:00 |
| | 1 | BT 50B | SIZE 1 1/2" | WEIGHT 11 TPG |
| | 2 | 1 1/2" OD | MFG VANCE | PRESSURE GRADIENT |
| | 1 | 2" OD | TYPE L114 | VISC SEC 59 |
| | 6 | 2 1/2" OD | JETS 132 | PUMP 62 |
| | 1 | 2 1/2" OD | SER NO 79M17 | GELS |
| | 1 | 2 1/2" OD | DEPTH IN 9 3/8 | WT. CC 8.8 |
| | 2 | 2 1/2" OD | DEPTH IN 162 | SOLIDS |
| | 12 | HWDP | TOTAL 111.48 | |
| | | | BLA = 226.07 | |
| | 1 | STANDS OF | CONE JET TUBES | |
| | 1 | SINGLES | DP 9.150 | |
| | | | PE... DOWN 11.42 | |
| | | | TOTAL 266.00 | |

| FOOTAGE | DR. L. RUN P. CORE C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ACT. BIT | WT. ON BIT | PUMP PRESS | PUMP NO | PUMP NO | METHOD |
|-----------|----------------------|---------------|--------------------------------|--|------------|------------|---------|-----------|--------|
| FROM 137 | | | 266 | | | | | | |
| | | | | | | | | | |
| DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | |
| TIME LOG | LC | 1.43 SET TIME | COU NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | |
| FROM 0000 | TO 0340 | TIME 1 1/2 | 5 | CANT WI MUD LOG. APPEAR CIRC. CHANGE #1 PUMP TO 6" | | | | | |
| FROM 0340 | TO 0400 | TIME 20 | 8 | REPAIR FOR CRYSTALS ON MUD PUMPS | | | | | |
| FROM 0400 | TO 0500 | TIME 1 | 8 | REPAIR 2 TOP BEARINGS REPAIR SOME | | | | | |
| FROM 0500 | TO 0600 | TIME 1 | 6 | R.I.H. 5 STD. P/USOLE. REMAIN WITH 237" | | | | | |
| FROM 0600 | TO 12:00 | TIME 6 | 2 | DRILL AHEAD FROM 237" TO 266' MTS | | | | | |

NIGHT TOUR **0000** P.M. **1200**

| | | | |
|-----------|------------|----------------|-----|
| CREW | SOX SEC NO | NAME | HRS |
| DRILLER | | SCOTT JOHNSON | 12 |
| DRAMAN | | ALAN MC... .. | 12 |
| MTRMAN | | CONRAD L... .. | 12 |
| PUMMAN | | BRIAN ANDERSON | 12 |
| FLRMAN | | TIM... .. | 12 |
| FLRMAN | | GERARD HANE | 12 |
| CHANE SUP | | | |
| MCHANC | | | |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRANCEE | | | |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|-------------------------|-----------------------|
| 1 | BT 2 1/4" | 3 RR 30 FT | TIME 12:00 18:00 2:00 |
| 1 | RS 18B | SIZE 1 1/2" | WEIGHT 11.0 11.0 11.3 |
| 2 | 1 1/2" OD | MFG VANCE | PRESSURE GRADIENT |
| 1 | 2" OD | TYPE L114 | VISC SEC 57 57. 43 |
| 6 | 2 1/2" OD | JETS 132 | PUMP 57 |
| 1 | 2 1/2" OD | SER NO 79M17 | GELS |
| 1 | 2 1/2" OD | DEPTH IN 9.33 | WT. CC |
| 3 | 2 1/2" OD | DEPTH IN 98.36 | SOLIDS |
| 12 | HWDP | TOTAL 111.48 | |
| | | BLA = 226.07 | |
| 4 | STANDS OF | CONE JET TUBES | |
| | | DP 7.6 49 | |
| | | PE... DOWN 8 | |
| | | TOTAL 310.89 | |
| | | WT OF STRING 60,000 LBS | |

| FOOTAGE | DR. L. RUN P. CORE C | CORE NO. | FORMATION (SHOW CORE RECOVERY) | ACT. BIT | WT. ON BIT | PUMP PRESS | PUMP NO | PUMP NO | METHOD |
|------------|----------------------|---------------|--------------------------------|---|------------|------------|---------|-----------|--------|
| FROM 266 | | | 295 | | | | | | |
| | | | | | | | | | |
| DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | DEPTH | DEV | DIRECTION | |
| TIME LOG | LC | 1.43 SET TIME | COU NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | | |
| FROM 12:00 | TO 18:00 | TIME 6 | 2 | DRILL 1 1/4" hole Fr 266 mts to 295.82 mts | | | | | |
| FROM 18:00 | TO 18:30 | TIME 1/2 | 5 | CIRC WORK PIPE @ 295 mts | | | | | |
| FROM 18:30 | TO 19:00 | TIME 1/2 | 6 | R.I.H. 4 STD. WIRES TRIP TO 219 mts. | | | | | |
| | | | | R.I.H. 4 STD TO 295.82 mts. (14 mts fill) | | | | | |
| FROM 19:00 | TO 20:00 | TIME 1 | 3 | CHANGE GPPAS 2960 7.5 K... .. | | | | | |
| FROM 20:00 | TO 00:00 | TIME 4 | 2 | DRILL AHEAD TO 310.89 | | | | | |

DAY TOUR **1200** A.M. **0000**

| | | | |
|-----------|------------|----------------|-----|
| CREW | SOX SEC NO | NAME | HRS |
| DRILLER | | DENNIS WHITE | 12 |
| DRAMAN | | ANDREW DICKSON | 12 |
| MTRMAN | | WAYNE BARBLET | 12 |
| PUMMAN | | RICKY WHITE | 12 |
| FLRMAN | | GLENN MACKIE | 12 |
| FLRMAN | | HENRY K... .. | 12 |
| CHANE SUP | | | |
| MCHANC | | GLEN KINSEWELL | 12 |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRANCEE | | | |



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: 1-A, DATE: 16-11-94, OPERATOR: CAPITAL ENERGY, CONTRACTOR: RURAL WATER CORPORATION, SIGNATURES: [Signature], [Signature]

FIELD OF DIST: LUTYANG, COUNTY: GIFFGARD, STATE: VIC, WIRE LINE RECORD: 1" NO LINES 9, FT SUPPLY 30'

DRILLING CREW PATROLL DATA table with columns: DATE, WELL NAME & NO, COMPANY, TOOL PUSHER, NIGHT TOUR, P.M., NAME, NO.

TIME DISTRIBUTION - HOURS table with columns: OPERATION, NIGHT, DAY, BIT RECORD, MUD RECORD, DRILLING ASSEMBLY.

FOOTAGE table with columns: FORMATION, NOTARY RPM, W. ON BI TOON, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD RUN, DEVIATION RECORD.

DAY TOUR table with columns: DRILLER, DRIBMAN, MTRMAN, FIREMAN, FLAMAN, CHANE SUPP, MECHANIC, WELDER, RSTABOUT, RSTABOUT, TRAINEE, NAME, NO.

Table with columns: NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD, DRILLER.

Table with columns: FOOTAGE, FORMATION, NOTARY RPM, W. ON BI TOON, PUMP PRESS, PUMP NO. 1, PUMP NO. 2, METHOD RUN, DEVIATION RECORD, TIME LOG.

Table with columns: DAY TOUR, DRILLER, DRIBMAN, MTRMAN, FIREMAN, FLAMAN, CHANE SUPP, MECHANIC, WELDER, RSTABOUT, RSTABOUT, TRAINEE, NAME, NO.

DAILY DRILLING REPORT REPORT NO.

WELL NO. 4 API WELL NUMBER DATE 15-11-94
 OPERATOR LOY YANG CONTRACTOR RURAL WATER CORPORATION RIG NO. 4
 SIGNATURE OF OPERATOR'S REPRESENTATIVE SIGNATURE OF CONTRACTOR'S TOOL PUSHER
 1 1/2" SIZE 166 E 6 3/4" A" IF 1 2 GARDNER DENVER F229 12"
 2 1 1/2" SIZE 107 E 6 1/2" A" IF 2 2 NATIONAL KSH 850 12"

DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

FIELD OF LIST LOY YANG COUNTY GIPPSLAND STATE VICTORIA
 WIRE LINE RECORD WEL. NO. SIZE 1" NO LINES 8 1" SUPPL. 30'
 LAST CASING TUBING OR LINES 1 3/8" SUNI 545 9 114-6
 TOU. NO. OF TRIPS SINCE LAST CUT
 CUMULATIVE TON. OF TRIP

DRILLING CREW PAYROLL DATA
 DATE 15-11-94
 WELLS NAME & NO LOY YANG 1A
 COMPANY CAPITAL ENERGY
 TOOL PUSHER P. BRIMMAN/R. QUIGLEY - HOURS 88 RIG NO. 4

| TIME DISTRIBUTION - HOURS | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----------------------------|-------|-------------------|-----------------|-----------------------|
| 1 RIG UP AND TEAR DOWN | 1 | BIT 12" 80 | BIT NO 3 RR | TIME |
| 2 DRILL ACTUAL | 1 | BIT 12" 80 | SIZE 12" | WEIGHT |
| 3 HEAVING | 6 | 1 1/2" OD 18-67 | MFC VAREL | PRESSURE GRADIENT |
| 4 CORING | 1 | 1 1/2" OD 18-67 | TYPE L114 | VISC SEC |
| 5 CONDITION MUD & CIRCULATE | 2 | 6 3/4" ID 55-91 | JETS 1/32 OPEN | PUMP |
| 6 TRIPS | 5 1/2 | 1 1/2" OD 9-33 | SEP. NO. 1GHT11 | GELS |
| 7 LUBRICATE RIG | 3 | 1 1/2" ID 28-36 | DEPTH OUT | W. CC'S |
| 8 REPAIR RIG | | | DEPTH IN | F |
| 9 CUT OFF DRILLING LINE | | | TOTAL FTL | SOLIDS |
| 10 DEVIATION SURVEY | | | TOTAL HRS RUN | MUD & CHEMICALS ADDED |
| 11 WIRE LINE LOGS | | | STANDS DP | TYPE AMT TYPE AMT |
| 12 RUN CASING & CEMENT | | | SINGLES DP | |
| 13 WAIT ON CEMENT | 3 | | KELLY DOWN | |
| 14 NIPPLE UP B.O.P. | | | TOTAL | |
| 15 TEST B.C.F. | | | WT OF STRING | LBS |
| 16 DRILL STEM TEST | | | REMARKS | |
| 17 P.U.G. BACK | | | | |
| 18 SQUEEZE CEMENT | | | | |
| 19 FISHING | | | | |
| 20 DIE WORK | | | | |
| 21 WEIGHT INDICATOR 3 1/2 H | | | | |
| 22 DRILL CUT | | | | |

| FOOTAGE | FORMATION | DEVIATION RECORD | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|------------------|---|------------------|------------------|---|
| 00 0300 3 | 13 WOC P/L 2x8' DC. B.F. B BIT M/V SAME: | | 00 0300 3 | 13 WOC P/L 2x8' DC. B.F. B BIT M/V SAME: |
| 0300 0330 1/2 | 6 R.H. W/O OPEN END DP TO TAG CM. TAG @ 128' | | 0300 0330 1/2 | 6 R.H. W/O OPEN END DP TO TAG CM. TAG @ 128' |
| 0330 0430 1 | 6 POOH DP | | 0330 0430 1 | 6 POOH DP |
| 0430 08'00 3 1/2 | 6 R.H. TO DRILL ON. MOVE POSITION OFF TAG | | 0430 08'00 3 1/2 | 6 R.H. TO DRILL ON. MOVE POSITION OFF TAG |
| 08'00 11'00 3 | 21 WORK ON WEIGHT INDICATOR. GAUGE FAULTY. REPAIR RATE | | 08'00 11'00 3 | 21 WORK ON WEIGHT INDICATOR. GAUGE FAULTY. REPAIR RATE |
| 11'00 12'30 1/2 | 6 P/BACK FM 12' INTS TO 113' INTS (INSIDE CSC SHOE) REPAIR RATE | | 11'00 12'30 1/2 | 6 P/BACK FM 12' INTS TO 113' INTS (INSIDE CSC SHOE) REPAIR RATE |
| 12'30 12'00 1/2 | 21 ATTEMPT TO FIX WEIGHT INDICATOR (NEW GAUGE FROM TASMEN OIL TOOK) REPAIR RATE | | 12'30 12'00 1/2 | 21 ATTEMPT TO FIX WEIGHT INDICATOR (NEW GAUGE FROM TASMEN OIL TOOK) REPAIR RATE |

| NIGHT TOUR | CREW | SOC SEC NO | NAME | HRS |
|--------------|------------|------------|----------------|-----|
| 00 P.M. 1200 | DRILLER | | SCOTT TURNER | 12 |
| | DIRMAN | | IAN M SWAIN | 12 |
| | ATTNMAN | | GARRY WISS | 12 |
| | FOREMAN | | BRIAN ANDERSON | 12 |
| | FLWMAN | | JIM THRESEMER | 12 |
| | FLWMAN | | GERARD HOND | 12 |
| | CRANE SUPV | | | |
| | MECHANIC | | | |
| | WELDER | | | |
| | ASTABOUT | | | |
| | ASTABOUT | | | |
| | TRAMER | | PAUL BRIMMAN | 8 |

| COMPLETION | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---|----|-------------------|-----------------|-----------------------|
| A PERM P/TN | 1 | BIT 12" 80 | BIT NO 3 RR | TIME |
| B TBC TRIPS | 1 | BIT 12" 80 | SIZE 12" | WEIGHT |
| C TREATING | 2 | 1 1/2" OD 18-67 | MFC VAREL | PRESSURE GRADIENT |
| E SWABBING | 1 | 1 1/2" OD 18-67 | TYPE L114 | VISC SEC |
| F TESTING | 6 | 6 3/4" ID 55-91 | JETS 1/32 OPEN | PUMP |
| G ADDITN L | 1 | 1 1/2" OD 18-67 | SEP. NO. 1GHT11 | GELS |
| H C.F.C. | 3 | 1 1/2" ID 28-36 | DEPTH IN | W. CC'S |
| I DAY WORK TIME SUMMARY OFFICE USE ONLY | | | DEPTH OUT | F |
| J W/CONTR DP | | | TOTAL FTL | SOLIDS |
| K W/EXP DP | | | TOTAL HRS RUN | MUD & CHEMICALS ADDED |
| L W/NDP | | | STANDS DP | TYPE AMT TYPE AMT |
| M STANDBY | | | SINGLES DP | |
| N DAY WORK | | | KELLY DOWN | |
| O TOTAL | | | TOTAL | |
| P WT OF STRING | | | WT OF STRING | LBS |
| Q REMARKS | | | REMARKS | |
| R BIT LENGTH = | | | | |
| S BIT WGT = 10,000 LBS | | | | |

| FOOTAGE | FORMATION | DEVIATION RECORD | TIME LOG | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-----------------|---|------------------|-------------------|---|
| 127 142 1/2 | 6 CUT (FIRM) | | 12'00 13'30 1 1/2 | 6 R.H. DRILL CUT TO 142' INTS FIRM. |
| 142 154 2 | 3 R.H. HOLE | | 13'30 15'30 2 | 3 Wash & Ream Rathole FM 142 to 154' INTS. |
| 163 168 1 | 6 WIPER TRIP TO CSC SHOE @ 115' INTS, 30,000 OVERPULL @ 114' INTS ±, plus Kelly work pipe, circ | | 15'30 16'30 1 | 6 WIPER TRIP TO CSC SHOE @ 115' INTS, 30,000 OVERPULL @ 114' INTS ±, plus Kelly work pipe, circ |
| 16'30 17'00 1/2 | 6 BACK KELLY P.O.A.H. TO 19 1/8" CSC SHOE. | | 16'30 17'00 1/2 | 6 BACK KELLY P.O.A.H. TO 19 1/8" CSC SHOE. |
| 17'00 19'00 2 | 5 CIRC WEIGHT UP MUD FM 9-8 TO 10-0 OPSS. - REPAIR RATE. | | 17'00 19'00 2 | 5 CIRC WEIGHT UP MUD FM 9-8 TO 10-0 OPSS. - REPAIR RATE. |
| 19'00 23'00 4 | 4 R.H. TO TAG @ 154' INTS, CIRC, WIPER TRIP TO SHOE | | 19'00 23'00 4 | 4 R.H. TO TAG @ 154' INTS, CIRC, WIPER TRIP TO SHOE |
| 23'00 26'00 1 | 1 DRILL AHEAD FROM 163' TO 168' | | 23'00 26'00 1 | 1 DRILL AHEAD FROM 163' TO 168' |

| DAY TOUR | CREW | SOC SEC NO | NAME | HRS |
|--------------|------------|------------|------------------|-----|
| 1200 A.M. 00 | DRILLER | | DENNIS WHITE | 12 |
| | DIRMAN | | ANDREW DICKSON | 12 |
| | ATTNMAN | | ANTHONY REYNOLDS | 12 |
| | FOREMAN | | RICKY WHITE | 12 |
| | FLWMAN | | WAYNE BARTLETT | 12 |
| | FLWMAN | | GRAHAM MACKIE | 12 |
| | FLWMAN | | HENRY KARADZKY | 12 |
| | CRANE SUPV | | | |
| | MECHANIC | | GLEN KINGWELL | 10 |
| | WELDER | | | |
| | ASTABOUT | | | |
| | ASTABOUT | | | |
| | TRAMER | | NORRIS BERMAN | 8 |
| | | | BERNIE ANDERSON | 10 |
| | | | PADDY QUIGLEY | 10 |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1A** DATE **14-11-94**
 OPERATOR **LOY YANG** CONTRACTOR **RURAL WATER CORPORATION 4**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]*
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

FIELD OR DIST **LOY YANG** COUNTY **GIPPSLAND** STATE **VICTORIA**
 WIRE LINE RECORD: SIZE **1"** INCHES LINE **8** FEET SLEPPED
 LAST CASING TUBING OR LINE: SIZE **13 3/8** MAKE **SH 5** JOINTS **9** SET AT **1146**
 TON M OF TRIP SINCE LAST CUT: **1146**
 CUMULATIVE TON M OF TRIPS: **1146**

DRILLING CREW PAYROLL DATE **14-11-94**
 WELL NAME & NO. **LOY YANG 1A**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **P. BUCHANAN / P. QUIGLEY** RIG NO. **4**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|--------------|-------------------|------------|------------|
| OPERATION NIGHT DAY | | | | |
| RIG UP AND LEAR DOWN | | | | |
| DRILL ACTUAL | | | | |
| HEATING | | | | |
| LOADING | | | | |
| CONDITIONAL MUD CIRCULATE | | | | |
| TRIPS | 2 | | | |
| LUBRICATE RIG | | | | |
| REPAIR RIG | 3 1/2 | | | |
| DRILL OFF DRILLING LINE | | | | |
| DEVIATION SURVEY | | | | |
| WIRE LINE LOGS | | | | |
| RUN CASING CEMENT | | | | |
| WAIT ON CEMENT | | | | |
| RIPPLE UP & DP | | | | |
| TEST B.C.P. | | | | |
| DAILY STEW TEST | | | | |
| PULL BACK | | | | |
| SQUEEZE CEMENT | | | | |
| FISHING | 7 1/2 | | | |
| DP WORK | | | | |
| OTHER | 4 1/2 | | | |
| CHT P.A.C. | 1 | | | |

| FOOTAGE | DRILLING CORE | FORMATION | DEVIATION RECORD |
|--|---------------|-----------|------------------|
| FROM TO | DEPTH | DEPTH | DEPTH |
| 00 0730 | 7 1/2 | 19 | |
| O/S HOT WONT RELEASE: WORK JARS + FIND FREE POINT ROTATE VERY LOW RETURNS BACK REAM 10M WORK JARS + ROTARY PIPE FREE | | | |
| 0730 1200 | 4 1/2 | 6 | |
| PUMP OUT 2 JIS H WDP LAY OUT SAME STAND BACK KELLY P.O.O.H. W/FISH LAY OUT DL W/ OVERSHOT BRAKE BLSUB + BIT CLEAN OUT SAME PICK UP WASH OVER JOINTS BRAKE OUT ROTATING SUB/SHOE SUB + LAY OUT SAME | | | |

| NIGHT TOUR | CREW | SOB SEC NO | NAME |
|----------------------|------------|------------|-----------------------|
| 00 P.M. 12.00 | DRILLER | | SCOTT TURNER |
| | DRAMAN | | IAN McSWAIN |
| | ATTENDANT | | GARRY WIGGS |
| | FIREMAN | | BRIAN ANDERSON |
| | FIREMAN | | JIM THRESHOLD |
| | FIREMAN | | GERARD HAND |
| | CRANE SUPT | | |
| | MECHANIC | | |
| | WELDER | | |
| | RESTABOUT | | |
| | RESTABOUT | | |
| | THAMES | | |
| | | | P. BUCHANAN |

| FUNCTIONS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------------------|----|-------------------|------------|------------|
| A PERFORATION | | | | |
| B TBG TRIPLE | | | | |
| C TREATING | | | | |
| D SWABBING | | | | |
| E TESTING | | | | |
| F ADDITION | | | | |
| G | | | | |
| DAY WORK TIME SUMMARY OFFICE USE ONLY | | | | |
| W/ OF CONCRE DP | | | | |
| W/ OF WIRE DP | | | | |
| W/ OF WDP | | | | |
| W/ OF STANDBY | | | | |
| DAY WORK | | | | |
| NO OF DAYS | | | | |
| CUMULATIVE | | | | |
| MUD LOG | | | | |

| FOOTAGE | DRILLING CORE | FORMATION | DEVIATION RECORD |
|--|---------------|-----------|------------------|
| FROM TO | DEPTH | DEPTH | DEPTH |
| 1200 1230 | 1 1/2 | | |
| CLEAR ALL EXCESS SUBJ & W/OVER RUNNING TOOLS FROM RIG FLOOR | | | |
| 1230 2100 | 8 1/2 | | |
| UNION HYDROVIC PERSONNEL CHANGING OUT HYDROVIC PUMP FOR ROTARY KOMATSU MECHANIC CHECKING OUT MUD PUMP MOTORS ALSO MAIN RIG MOTOR REPAIR BLOCKS & M/U NEW WASH PIPE TO SWIVEL R/H OPEN END DP TO 130M M/U PUMP LINES: PUMP 2 BBL WATER MIX @ PUMP 75SX CHT WITH 9 BBL WATER TO 15 BBL SHURRY @ 15.6 PPG: 5 BBL WATER CHASE POOL | | | |
| 2100 2200 | 1 | | |
| 2200 2300 | 1 | | |
| 2300 00 | 1 | | |

| DAY TOUR | CREW | SOB SEC NO | NAME |
|----------------------|------------|------------|-------------------------|
| 12.00 AM 2.00 | DRILLER | | DENNIS WHITE |
| | DRAMAN | | ANDREW DICKSON |
| | ATTENDANT | | ANTHONY REYNOLDS |
| | FIREMAN | | RICKY WHITE |
| | FIREMAN | | WAYNE BARTLETT |
| | FIREMAN | | GRAHAM MACKIE |
| | FIREMAN | | HENRY KURADZKY |
| | CRANE SUPT | | |
| | MECHANIC | | GLEN KINGWELL |
| | WELDER | | |
| | RESTABOUT | | |
| | RESTABOUT | | |
| | THAMES | | |
| | | | PADDY QUIGLEY |
| | | | BERNIE ANDERSON |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

WELL NO. 1A
API WELL NUMBER
DATE 13-11-94
CONTRACTOR RURAL WATER CORPORATION
RIG NO. 4



DRILLING SERVICES
P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. 1A
API WELL NUMBER
DATE 13-11-94
CONTRACTOR RURAL WATER CORPORATION
RIG NO. 4

OPERATOR: LOYYANG IA
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
CONTRACTOR: RURAL WATER CORPORATION
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

FILE NO. OR DIST. LOYYANG
COUNTY: GIPPSLAND
STATE: VICTORIA
WIRE LINE RECORD: 11" NC LINES 3
SIZE: 11" NC LINES 3
PRESENT LENGTH: 114.6
LAST CASING TUBING OR LINE: 13 1/2" SCH 40 X 11.75" ID X 1.1875" THICK

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|--------|------------------------------|------------|-----------------------|
| 1 BIT | 1 | 1 BIT 130M | | |
| 2 BIT | 2 | 2 BIT 18-6" | | |
| DRILLING | | DC OD FT TYPE | TIME | WEIGHT |
| CONDITION MUD CIRCULATE | | STE RMR OD FT JETS 1/2 | | PRESSURE GRADIENT |
| WASH | | DL FT OD FT SEA NC | | GELL |
| LUBRICATE RIG | | STE RMR OD FT DEPTH-OUT | | VAL CC |
| REPAIR RIG | | DEPTH-IN | | SP |
| DRILLING LINE | | TOTAL-FTG | | SOLIDS |
| DEVIATION SURVEY | | TOTAL-FTG | | |
| WIRE LINE LOGS | | STANDS DP FT CONC IN TB GAGE | | MUD & CHEMICALS ADDED |
| RUN CASING CEMENT | | SINGLE DP FT GPM/PSI | | TYPE AMT TYPE AMT |
| SET ON CEMENT | | WELL DOWN FT | | |
| WIRE UP & OFF | | TOTAL FT | | |
| TEST BCP | | WT OF STRING LBS | | |
| DRILL STEM TEST | | | | |
| PULL BACK | | | | |
| SQUEEZE CEMENT | | | | |
| FISHING | 11 1/2 | | | |
| WIP WORK | | | | |

| FOOTAGE | | DC L RMR F CORE C | CORE NC | FORMATION (SHOW CORE RECOVERY) | ROTARY MIN | ON BIT TOUGH | PUMP PRESS | PUMP NC LINEE SIZE | PUMP NC LINEE SIZE | PUMP NC LINEE SIZE | METHOD |
|---------|------|-------------------|---------|---|------------|--------------|------------|--------------------|--------------------|--------------------|--------|
| 0000 | 0030 | 1/2 | | WASH & HILL BRIDGE FROM 119' TO 120.5M: R.H. 132" | | | | 7 1/2 | 5 1/2 | | |
| 0030 | 0130 | 1 | | POOH & LAY OUT WASH PIPE ASSY | | | | | | | |
| 0130 | 0200 | 1/2 | | M/V FISHING ASSY & R.H. | | | | | | | |
| 0200 | 0430 | 1 1/2 | | AT TOP OF FISH @ 122.65 SIT 10K SQUAT | | | | | | | |
| | | | | DIU 3000 OVER STRING WT SIT 10K SQUAT (CONFIRM) | | | | | | | |
| | | | | POOH SLOWLY - STRING IN & OUT OF SLIPS: | | | | | | | |
| 0430 | 0550 | 1 1/2 | | BREAK & INSPECT FISHING ASSY (OK) CLEAN & SATIS | | | | | | | |
| 0550 | 0630 | 1/2 | | M/V FISHING ASSY & R.H. | | | | | | | |
| 0630 | 0830 | 2 | | ATTEMPT OVERSHOOT FISH TAG FISH 124" R.H. SQUEEZE | | | | | | | |
| 0830 | 1130 | 3 | | POOH LAY OUT OVERSHOT R.H. W/ 2 1/2" BIT TAG FISH 124" | | | | | | | |
| 1130 | 1200 | 5 | | CIRC | | | | | | | |
| | | | | ON FIRST ATTEMPT BELIEVE TO HAVE GONE BESIDE FISH INTO WALL | | | | | | | |

DRILLING CREW PATROLL DATA
DATE: 13-11-94
WELL NAME & NO: LOYYANG 1A
COMPANY: CAPITAL ENERGY
TOOL PUSHER: P. BUCHANAN / P. QUIGLEY

NIGHT TOUR 0000 P.M. 1200

| CREW | SOC SEC NO. | NAME |
|------------|-------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAMAN | | JAN MCELROY |
| WTRMAN | | CARY WIGG |
| FIREMAN | | BRYAN ANDERSON |
| FLRMAN | | JIM THRESEER |
| FLRMAN | | GERARD WARD |
| FLRMAN | | |
| FLRMAN | | |
| FLRMAN | | |
| CRANE SUPV | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | PAUL BUCHANAN |

NO. OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|------------------------------|-------------------|-----------------------|
| | BIT | BIT NC | TIME |
| | STE RMR OD FT TYPE | SIZE | WEIGHT |
| | STE RMR OD FT JETS 1/2 | PRESSURE GRADIENT | |
| | DC OD FT TYPE | VAL CC | |
| | STE RMR OD FT DEPTH-OUT | DEPTH-IN | SP |
| | DEPTH-IN | TOTAL-FTG | SOLIDS |
| | TOTAL-FTG | | |
| | STANDS DP FT CONC IN TB GAGE | | MUD & CHEMICALS ADDED |
| | SINGLE DP FT GPM/PSI | | TYPE AMT TYPE AMT |
| | WELL DOWN FT | | |
| | TOTAL FT | | |
| | WT OF STRING LBS | | |

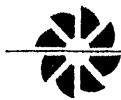
| FOOTAGE | | DC L RMR F CORE C | CORE NC | FORMATION (SHOW CORE RECOVERY) | ROTARY MIN | ON BIT TOUGH | PUMP PRESS | PUMP NC LINEE SIZE | PUMP NC LINEE SIZE | PUMP NC LINEE SIZE | METHOD |
|---------|------|-------------------|---------|--|------------|--------------|------------|--------------------|--------------------|--------------------|--------|
| 1200 | 1230 | 1/2 | 6 | BRAKE OUT GRAPPLE | | | | | | | |
| 1230 | 1300 | 1/2 | 6 | POOH W/ 12 1/2" BIT | | | | | | | |
| 1300 | 1330 | 1/2 | | | | | | | | | |
| 1330 | 1400 | 1/2 | | ASSEMBLE OVERSHOT WITH 8" GRAPPLE + 1200 GUIDE | | | | | | | |
| 1400 | 1500 | 1 | 6 | R.H. W/ OVERSHOT TO 124.32" | | | | | | | |
| 1500 | 1600 | 1/2 | 19 | LATCHED ON TO FISH | | | | | | | |
| 1630 | 1800 | 1/2 | 5 | CIRC LOST FISH | | | | | | | |
| 1800 | 1830 | 1/2 | 6 | POOH LAY OUT OVERSHOT 8" GRAPPLE "GONE" | | | | | | | |
| | | | | DRESS OVER SHOT W/ 7 1/2" GRAPPLE R.I.H. | | | | | | | |
| 1830 | 2200 | 3 1/2 | | OVERSHOOT FISH & START TARRING | | | | | | | |
| 2200 | 0000 | 12 | | ATTEMPT RELEASE O/S HOT (WEC) | | | | | | | |

DAY TOUR _____ A.M.

| CREW | SOC SEC NO. | NAME |
|------------|-------------|------------------|
| DRILLER | | DENNIS WHITE |
| DRAMAN | | ANDREW DICKSON |
| WTRMAN | | ANTHONY REYNOLDS |
| FIREMAN | | RICKY WHITE |
| FLRMAN | | WAYNE BARTLITT |
| FLRMAN | | GRAHAM MACKIE |
| FLRMAN | | HENRY KURACZYK |
| FLRMAN | | |
| FLRMAN | | |
| CRANE SUPV | | |
| MECHANIC | | |
| WELDER | | CLYD KINCHELL |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | |
| | | PADY QUIGLEY |
| | | BERNIE ANDERSON |

NO. OF DAYS: _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1A** API WELL NUMBER **12-11-94** WATER DEPT. DATE
 OPERATOR **LOY YANG** CONTRACTOR **RURAL WATER CORPORATION** FIG NO. **4**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *[Signature]*

FIELD ON DIST. **LOY YANG** COUNTY **GIPPSLAND** STATE **VIC** WIRE LINE RECORD MEE. NO.
 SIZE **1 3/4** MAKE **SUMI** W. L. U. H. **154** NO. JOINTS **9** FEET **114.6** NO. LINES **8** M. SHIPPED
 LAST CASING TUBING OR LINER **1 3/4 SUMI 154 9 114.6** PRESENT LENGTH **60'**
 TOE IN. OF TRIP SINCE LAST CUT **60'** TOE IN. OF TRIP SINCE LAST CUT

DRILLING CREW PAYROLL DATA
 DATE **12-11-94**
 WELL NAME & NO. **LOY YANG**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **P. RUCHANAN/P. QUIGLEY** FIG. NO. **4**

| TIME DISTRIBUTION - HOURS | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|--------------------|-----------------------|
| 1 BIT | 1 | 3" 2" 2" | BIT NO. 2 RR | TIME |
| 1 BIT SUB | 1 | 8' 6" | SIZE 12 1/2 | WEIGHT |
| 2 3/4" DC | 1 | 18' 6" | MFG VAREL | PRESSURE GRADIENT |
| 1 1/2" DC | 1 | 1' 38" | TYPE L14 | VISC SEC |
| 4 1/2" DC | 1 | 36' 9" | JETS 102 | PUMP |
| 1 JARS | 1 | 0' 33" | SER NO. 16M171 | GEL |
| 5 1/2" DC | 1 | 46' 18" | DEPTH OUT | ML CC |
| 3 HWDP | 1 | 27' 8" | DEPTH IN 153' 35" | SP |
| | | | TOTAL FTL | SOLIDS |
| | | | TOTAL MHK | |
| | | | CONC. TB: TB/GAGE | MUD & CHEMICALS ADDED |
| | | | STANDS IN FT | TYPE AMT TYPE AMT |
| | | | SINGLES IN FT | |
| | | | W. L. U. H. IN FT | |
| | | | W. L. U. H. IN LBS | |
| | | | REMARKS | |

| FOOTAGE | DEPT | DEVIATION | DEPT | DEVIATION | DEPT | DEVIATION |
|---------|-------|-----------|------|---|------|-----------|
| 00:00 | 01:00 | 1 | 19 | CONT ROTARY ATTEMPT GO DOWN (12" RAT HOLE) WORK PUMPS INTERMITTENTLY (NO RETURNS) CANNOT GO UP OR DOWN ROTARY STALLED: | | |
| 01:00 | 01:30 | 1/2 | 19 | JAR DOWN & UP NEGATIVE RESULT: | | |
| 01:30 | 02:30 | 1 | | BREAK KELLY @ KELLY COCK: P/U 9M/U SINGLE DR | | |
| 02:30 | 08:30 | 6 | 21 | R/U SCHLUMBERGER R.I.H W/ | | |
| 08:30 | 09:30 | 1 | 6 | P.O.O.H STAND BACK 3x HWDP 5x6" DC 1x JARS 4x 6 1/2" DC PLUS 1x 12 1/2" STB | | |
| 09:30 | 10:00 | 1/2 | 21 | Rig DOWN SCHLUMBERGER EQUIPMENT F/RIS FLOOR | | |
| 10:00 | 11:00 | 1 | 6 | R.I.H W/ EXCESS DP IN DERRICK LAY OUT SAME | | |
| 11:00 | 12:00 | 1 | 6 | Rig UP + RUN WASH-OVER PIPE | | |

NIGHT TOUR 00:00 P.M. 12:00

| CREW | SOC SEC NO | NAME |
|---------|------------|----------------|
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | IAN MCSWAIN |
| MTRMAN | | GARY WISE |
| FIREMAN | | BRIAN ANDERSON |
| FIREMAN | | JOHN THRESHER |
| FIREMAN | | GERARD HAWD |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

| NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|--------------------|-----------------------|
| 1 | 1" | BIT NO | TIME |
| | | SIZE | WEIGHT |
| | | MFG | PRESSURE GRADIENT |
| | | TYPE | VISC SEC |
| | | JETS 102 | PUMP |
| | | SER NO | GEL |
| | | DEPTH OUT | ML CC |
| | | DEPTH IN | SP |
| | | TOTAL FTL | SOLIDS |
| | | TOTAL MHK | |
| | | CONC. TB: TB/GAGE | MUD & CHEMICALS ADDED |
| | | STANDS IN FT | TYPE AMT TYPE AMT |
| | | SINGLES IN FT | |
| | | W. L. U. H. IN FT | |
| | | W. L. U. H. IN LBS | |
| | | REMARKS | |

REMARKS: WASH OVER ASSY SHOE - 3x 9" WASH OVER P.PE
 ROT DRIVE SUB X.D + HWDP

| FOOTAGE | DEPT | DEVIATION | DEPT | DEVIATION | DEPT | DEVIATION |
|---------|-------|-----------|------|---|------|-----------|
| 12:00 | 12:30 | 1/2 | 6 | RUN WASH-OVER PIPE TO 112.15" | | |
| 12:30 | 2:100 | 8 1/2 | | WASH FROM 112" TO 132 | | |
| 2:100 | 2:200 | 1 | | TAG UP SOLID - WILL NOT WASH OR MILL: SK SQUIRT | | |
| 2:200 | 2:300 | 1 | | PULL BACK TO SHOE ALLOW WELL TO SIT STATIC | | |
| 2:300 | 2:400 | 1 | | R.I.H TO CONFIRM HOLE CLEAN (NO PUMP) BRIDGED OIF @ 119" | | |

DAY TOUR 12:00 A.M. 0:00

| CREW | SOC SEC NO | NAME |
|---------|------------|------------------|
| DRILLER | | DENNIS WHITE |
| DRAWMAN | | ANDREW DICKSON |
| MTRMAN | | ANTHONY REYNOLDS |
| FIREMAN | | RICKY WHITE |
| FIREMAN | | WAYNE BARTLET |
| FIREMAN | | GRAHAME MACKIE |
| FIREMAN | | HENRY KURADZYK |

NO OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

DAILY DRILLING REPORT REPORT NO

WELL NO: 1A
 DATE: 11-11-94
 OPERATOR: LOY YANG
 CONTRACTOR: RUKAL WATER CORPORATION 4



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]
 PUMP NO: 1
 PUMP MANUFACTURER: GARDNER DENVER
 TYPE: KZ 20
 STROKE LENGTH: 12"

FIELD OF DIST: LOY YANG
 COUNTY: CO. WYAND
 STATE: VICTORIA
 WIRE LINE RECORD: 114.6
 SIZE: 133/8
 MAKE: S45
 WT & GR: 9
 JOINTS: 114.6
 PRESENT LENGTH: 60'

DRILLING CREW PATROLL DATA
 DATE: 11-11-94
 WELL NAME & NO: LOY YANG 1A
 COMPANY: CAPITAL ENERGY
 TOOL PUSHER: P. BUCHANAN, P. QUINLEY

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUC RECORD | |
|---------------------------|-------|-----|-------------------|-------------------|------------|--------|------------|-------------------|
| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT NO | RR | TIME | |
| 1 | | | 1 | BIT | 20 M | RR | | |
| 2 | | | 1 | BIT SUB | 86 | SIZE | 12 1/4 | WEIGHT |
| 3 | | | 2 | 2x8" DC | 13-67 | MFC | VARCEL | PRESSURE GRADIENT |
| 4 | | | 1 | 12 1/2" SDR | 1-38 | TYPE | L114 | VISC SEC |
| 5 | | | 4 | 5 1/2" DC | | JETS | 3 X 20 | PUMP |
| 6 | | | 5 | JARS | | SER NO | 16M171 | GELS |
| 7 | | | 3 | HWD | 27-87 | DEPTH | 153-35 | W. CELL |

| FOOTAGE | | DEP | CODE | FORMATION | ROTARY RPM | ON BIT TOUGH | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|------|-------|------|--|------------|--------------|------------|-----------|-----------|--------|
| 0000 | 0330 | 3 1/2 | 19 | CONTINUE WASH OVER FISH FROM 117" TO 124-11" | | | | | | |
| 0330 | 0400 | 1/2 | 5 | TAG STABILIZER @ 124-11" PULLBACK 1ST RINING NO PUMP | | | | | | |
| 0400 | 0500 | 1 | 19 | ALLOW WELL TO SIT STATIC | | | | | | |
| 0500 | 0530 | 1/2 | 6 | R/H NO PUMP OR ROTARY TO CONFIRM TAG: 124-50" | | | | | | |
| 0530 | 0600 | 1/2 | 5 | CIRC PUMPS 1x 12.5 BPM @ 250 PSI @ 75 BPM | | | | | | |
| 0600 | 0630 | 1/2 | 6 | PACK KELLY & POOH. HWT DP. | | | | | | |
| 0630 | 0730 | 1 | 6 | RIG TO PULL WASHOVER PIPE & PULL SAME: | | | | | | |
| 0730 | 0800 | 1/2 | 6 | RIG DOWN WASHOVER GEAR RIG UP TO RUN B.H.A. | | | | | | |
| 0800 | 900 | 1 | 6 | RUN B.H.A SERVICE + CHECK TORQUE ALL CONNECTIONS, | | | | | | |
| 0900 | 1200 | 3 | 19 | MAKE UP D COLLARS DOWN HOLE TORQUE UP SAME | | | | | | |

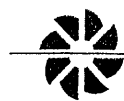
| NIGHT TOUR 00:00 F.M. 12:00 | | |
|-----------------------------|------------|----------------|
| CREW | SOC SEC NO | NAME |
| DRILLER | | SCOTT TURNER |
| DRAMAN | | JAN M'SWAIN |
| WITMAN | | GARY WILCOX |
| WEMAN | | BRIAN ANDERSON |
| FLAMAN | | GERARD HAND |
| FLAMAN | | JIM THRESHER |

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUC RECORD | |
|---------------------------|-------|-----|-------------------|-------------------|------------|----|------------|--|
| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT NO | RR | TIME | |
| 1 | | | 1 | BIT | | | | |
| 2 | | | 1 | BIT SUB | | | | |
| 3 | | | 2 | 2x8" DC | | | | |
| 4 | | | 1 | 12 1/2" SDR | | | | |
| 5 | | | 4 | 5 1/2" DC | | | | |
| 6 | | | 5 | JARS | | | | |
| 7 | | | 3 | HWD | | | | |

| FOOTAGE | | DEP | CODE | FORMATION | ROTARY RPM | ON BIT TOUGH | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|------|-----|------|--|------------|--------------|------------|-----------|-----------|--------|
| 1200 | 2100 | 9 | 19 | JAR UP & DOWN AT WORK PIPE AT ROTATE | | | | | | |
| 2100 | 0000 | 3 | 19 | NO SUCCESS | | | | | | |
| | | | | ESTABLISH SMALL FREE POINT. START ROTATING | | | | | | |
| | | | | 130 RPM ATTEMPT GO DOWN (12" RAT HOLE) | | | | | | |
| | | | | WORK PUMPS: NO RETURNS: | | | | | | |

| DAY TOUR 12:00 A.M. 00:00 | | |
|---------------------------|------------|------------------|
| CREW | SOC SEC NO | NAME |
| DRILLER | | DENNIS WHITE |
| DRAMAN | | ANDREW DICKSON |
| WITMAN | | ANTHONY REYNOLDS |
| WEMAN | | RICKY WHITE |
| FLAMAN | | WAYNE BORDLET |
| FLAMAN | | GARRETT HICKIE |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|---|--|
| WELL NO 1A | API WELL NUMBER | DATE 10-11-94 |
| OPERATOR ROY YANG | CONTRACTOR RURAL WATER CORPORATION | RIG NO 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | |
| SIZE 5 1/2" 16.6 MIAGD 6 3/8" IF | PUMP NO 2 | PUMP MANUFACTURER GARDNER DENVER FZ 29 KSH 280 |

| | | |
|---------------------------------|---------------------------|---------------------------------------|
| FIELD OF USE CLIPPERS | COUNTY VICTORIA | STATE VICTORIA |
| SIZE 12 3/4" | MAKE 54TS | WT & UP 9 |
| LAST CASING TUBING OR LINE | NO JOINTS 9 | FEET 1146 |
| | | WIRE LINE RECORD HELD NO 60 |

DRILLING CREW PAYROLL DATA

DATE **10-11-94**

WELL NAME & NO **ROY YANG 1A**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **P. BUCHANAN/P. GUILLEY** RIG NO **F0**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------------|-----------------------|
| OPERATION NIGHT DAY | 1 | BIT .30M | BIT NO 2 RR | TIME |
| OPERATION NIGHT DAY | 1 | 1 1/2" DC .66M | SIZE 12 3/4 | WEIGHT |
| OPERATION NIGHT DAY | 2 | 2 1/2" DC 1.67M | MFG VAREL | PRESSURE GRADIENT |
| OPERATION NIGHT DAY | 1 | 1 1/2" DC 1.38M | TYPE L114 | WISC SEC |
| OPERATION NIGHT DAY | | STE RMP OD FT | JETS 1/2 3 X 20 | PURIF |
| OPERATION NIGHT DAY | | D-IL OD FT | SEA NO KH171 | GELS |
| OPERATION NIGHT DAY | | STE RMP OD FT | DEPTH OUT | WLC C |
| OPERATION NIGHT DAY | | | DEPTH IN | DP |
| OPERATION NIGHT DAY | | | TOTAL FTG | SOLIDS |
| OPERATION NIGHT DAY | | | TOTAL HRG RUN | |
| OPERATION NIGHT DAY | | STANDS DP FT | COND JOBS TBGAGE | MUD & CHEMICALS ADDED |
| OPERATION NIGHT DAY | | SINGLE DP FT | GRMPD PS | TYPE AMT TYPE AMT |
| OPERATION NIGHT DAY | | KELLY DOWN FT | | |
| OPERATION NIGHT DAY | | TOTAL FT | | |
| OPERATION NIGHT DAY | | WT OF STRING LBS | | |

| FOOTAGE | DEPT | DEL | DIRECTION | DEPT | DEL | DIRECTION | DEPT | DEL | DIRECTION |
|---------|------|-------|-----------|---|-----|-----------|------|-----|-----------|
| 0 0 | 0800 | S | 19 | CONTINUE TO WORK JARS & ROTARY | | | | | |
| 0 0 | 0900 | S | 19 | UNLOAD WASH PIPE & BAKER TOOLS: PREPARE WASH PIPE FOR OPERATIONS: | | | | | |
| 0 900 | 1000 | 1 | 9 | 3 HWDP + 1 x 1/2" DC STAND BACK SAME | | | | | |
| 1 000 | 1030 | 1/2 | 6 | SKIP + CUT 60' DRILL LINE | | | | | |
| 1 030 | 1100 | 1 1/2 | 19 | R.I.H SCREW BACK INTO FISH | | | | | |
| 1 11 | | | | TORQUE UP + MECHANICALLY BACK OFF + P.O.D.H. WITH 3 X ITS HWDP 7 X 6 1/2" DC + JARS | | | | | |

NIGHT TOUR 0:0 P.M. 12:0

| CHIEF | SOC SEC NO | NAME | NO |
|-----------|------------|------------------|----|
| DRILLER | | SCOTT TURNER | 12 |
| DRAWER | | TAN MELVIN | 12 |
| ATTENDANT | | GARRY WIGG | 12 |
| FIREMAN | | BARRY EAST | 12 |
| FIREMAN | | BRIGAND ANDERSON | 12 |
| FIREMAN | | GERARD HAND | 12 |
| FIREMAN | | JIM THRESHER | 16 |

MECHANIC: PAUL BUCHANAN

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------------|-----------------------|
| | BIT | BIT NO | TIME |
| | STE RMP OD FT | SIZE | WEIGHT |
| | D-IL OD FT | MFG | PRESSURE GRADIENT |
| | STE RMP OD FT | TYPE | WISC SEC |
| | STE RMP OD FT | JETS 1/2 | PURIF |
| | D-IL OD FT | SEA NO | GELS |
| | STE RMP OD FT | DEPTH IN | WLC C |
| | | DEPTH IN | DP |
| | | TOTAL +IC | SOLIDS |
| | | TOTAL HRG RUN | |
| | STANDS DP FT | COND JOBS TBGAGE | MUD & CHEMICALS ADDED |
| | SINGLE DP FT | GRMPD PS | TYPE AMT TYPE AMT |
| | KELLY DOWN FT | | |
| | TOTAL FT | | |
| | WT OF STRING LBS | | |

| FOOTAGE | DEPT | DEL | DIRECTION | DEPT | DEL | DIRECTION | DEPT | DEL | DIRECTION |
|---------|------|-------|-----------|--|-----|-----------|------|-----|-----------|
| 1 200 | 1400 | 2 | 6 | P.O.D.H STAND BACK: HWDP + DC LAY OUT JARS | | | | | |
| 1 400 | 1430 | 1/2 | 6 | R.I.G UP TO RUN WASHOVER STRING | | | | | |
| 1 430 | 1600 | 1 1/2 | 6 | R.I.H W/WASH OVER STRING TO 85" | | | | | |
| 1 600 | 1630 | 1/2 | 5 | CIRC | | | | | |
| 1 630 | 0300 | 7 1/2 | | WASH FROM 85" TO 117" | | | | | |

DAY TOUR 12:00 A.M. 0:0

| CHIEF | SOC SEC NO | NAME | NO |
|-----------|------------|------------------|----|
| DRILLER | | DEANNE WHITE | 12 |
| DRAWER | | ANDREW DICKSON | 12 |
| ATTENDANT | | GRAHAM BARTLETT | 12 |
| FIREMAN | | ANTHONY REYNOLDS | 12 |
| FIREMAN | | RICKEY WHITE | 12 |
| FIREMAN | | LWAYNE BARTLETT | 12 |

MECHANIC: GLEN KINGWELL

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | | |
|--|------------------------|---|---------------------------------|
| OPERATOR LOY YANG | WELL NO. 1A | AP. WELL NUMBER | DATE 9.11.94 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | |
| COMPANY CAPITAL ENERGY | | CONTRACTOR RURAL WATER CORPORATION | |
| WIRE LINE RECORD | FIELD NO. (DIST) | COUNTY CIPPSLAND | STATE VICTORIA |
| SIZE 1 1/2" | NO. LINES 8 | WIRE LINE RECORD | NO. LINES 8 |
| LAST CASING TUBING OR LINE | SIZE 13 3/8" | MAKE S&S | NO. JOINTS 11A-C |
| STROKE LENGTH 12 1/2" | PUMP NO. 2 | PUMP MANUFACTURER GARDNER DENVER | TYPE F22G |
| | | | STROKE LENGTH 12 1/2" |

| | | | | |
|----------------------------|------------------|------------------|------------------|-----------|
| FIELD NO. (DIST) | COUNTY | STATE | WIRE LINE RECORD | NO. LINES |
| LOY YANG | CIPPSLAND | VICTORIA | | 8 |
| SIZE | NO. LINES | WIRE LINE RECORD | NO. LINES | |
| 13 3/8" | 8 | | | |
| LAST CASING TUBING OR LINE | SIZE | MAKE | NO. JOINTS | |
| | 13 3/8" | S&S | 11A-C | |

DRILLING CREW PAYROLL DATA
 DATE **9.11.94**
 WELL NAME & NO **LOY YANG 1A**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **P. BUCHANAN/P. QUINLEY**

No. 12

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------|------------|
| OPERATION | 1 | BIT | 2 96 | |
| SET UP AND TEAR DOWN | 1 | BIT SUB | 12 1/2" | |
| DRILLING ACTUAL | 2 | D LOG | 18.67' | |
| PLANNING | 1 | 2 1/2" SUB | 1.38' | |
| CONDITION MUD & CIRCULATE | | STE RMP | | |
| WIRE LINE LOGS | | STE RMP | | |
| RUN CASING & CEMENT | | STANDS DP | | |
| WATER WORK | 1 | SINGLES DP | | |
| | | WELL DOWN | | |
| | | TOTAL | | |

| FOOTAGE | DEVIATION RECORD | FORMATION |
|-----------|------------------|---|
| FROM | DEPTH | FORMATION |
| 0000-0330 | 3 1/2' | CONTINUE WORKING JARS: ROTARY OUT OF ORDER: |
| 0330-0430 | 1' | ROTARY RUNNING OK: WORK ROTARY & JARS |
| | | MANAGE TO FREE PIPE & STABILIZER: STARTING TO |
| 0430-1200 | 7 1/2' | ROTARY OK 130 RPM MINIMUM TORQUE & K ONLY |
| | | ROTARY OUT OF ORDER (HYD MTR) |
| | | CONTINUE WORKING JARS |

NIGHT TOUR 0000 P.M. 1200

| CREW | SOC SEC NO | NAME | HRS |
|-----------|------------|----------------|-----|
| DRILLER | | SCOTT TURNER | 12 |
| DHANDMAN | | TAN M SWAN | 12 |
| MTRMAN | | BRIAN ANDERSON | 12 |
| FIREMAN | | GARY WISE | 12 |
| FLRMAN | | BARRY EAST | 12 |
| FLRMAN | | GAROLD HAND | 12 |
| CRANE SUP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOU | | | |
| ASTABOU | | | |
| TRAINER | | | |
| | | PAUL BUCHANAN | 12 |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------|------------|
| | BIT | SIZE | WEIGHT |
| | STE RMP | OD | TYPE |
| | DC ID | OD | TYPE |
| | STE RMP | OD | JETS |
| | DC ID | OD | SEE NO |
| | STE RMP | OD | DEPTH |
| | | TOTAL | |
| | STANDS DP | | |
| | SINGLES DP | | |
| | WELL DOWN | | |
| | TOTAL | | |
| | WT OF STRING | | |
| | REMARKS | | |

| FOOTAGE | DEVIATION RECORD | FORMATION |
|------------|------------------|--------------------------|
| FROM | DEPTH | FORMATION |
| 1200-1600 | 4' | CONTINUE TO WORK JARS |
| 1600-1800 | 2' | INSTALL NEW ROTARY MOTOR |
| 1800-00:00 | 6' | WORK JARS + ROTATE |

DAY TOUR 1200 A.M. 0000

| CREW | SOC SEC NO | NAME | HRS |
|-----------|------------|-------------------|-----|
| DRILLER | | DENNIS WHITE | 12 |
| DHANDMAN | | ANDREW JACKSON | 12 |
| MTRMAN | | GRAHAM BARTLET | 12 |
| FIREMAN | | RICKY WHITE | 12 |
| FLRMAN | | ANTHONY REYNOLDS | 12 |
| FLRMAN | | WAYNE BARTLET | 12 |
| FLRMAN | | ANDREW CARRINGTON | 12 |
| CRANE SUP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOU | | | |
| ASTABOU | | | |
| TRAINER | | | |
| | | PADDY QUINLEY | 12 |
| | | BERNIE ANDERSON | 12 |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

Header section containing well name (LOY YANG), well number (1A), date (8-11-94), operator (CAPITAL ENERGY), and contractor (RURAL WATER CORPORATION).

Field data section containing location (GIPPSLAND), state (VICTORIA), well line record, and tool joint details.

Table with columns: TIME DISTRIBUTION - HOURS, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes entries for bit runs, mud logs, and pump records.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD, TIME LOG. Includes a detailed log of operations with time, depth, and formation descriptions.

Table with columns: DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Continuation of drilling assembly and mud log data.

Table with columns: FOOTAGE, FORMATION, DEVIATION RECORD, TIME LOG. Continuation of operation log data.

DRILLING CREW PAYROLL DATA table listing crew members and their roles.

NIGHT TOUR 0000 P.M. 1200 table listing crew members for the night shift.

DAY TOUR 12:00 A.M. 00:00 table listing crew members for the day shift.

DAILY DRILLING REPORT REPORT NO.
 WELLSITE: LOY YANG WELLS NO. 1A API WELLS NUMBER: DATE: 7.11.94
 OPERATOR: CAPITAL ENERGY CONTRACTOR: RURAL WATER CORPORATION RIG NO. 4
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: SIGNATURE OF CONTRACTOR'S TOOL PUSHER:
 SIZE: 1 1/2" WT: 16.6 THRO: 6 3/4" I/F: 1 PUMP NO: 1 MANUFACTURER: GARDNER DENVER FZ 29 TYPE: STRIKE LENGTH: 12"
 2 NATIONAL KSM280 12"

DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

FIELD OF DIST: COUNTY: STATE: WIRE LINE RECORD FILE NO.
 SIZE: 1 1/2" NO LINES: 8
 LAST CASING TUBING OR LINER: 13 3/4" S&S 114.6
 TON MI. OF TRIP: SINCE LAST CUT: PRESENT LENGTH:
 TON MI. OF TRIP: TON MI. ON TRIP:

DRILLING CREW PATROLL DATA
 DATE: 7.11.94
 WELL NAME & NO: LOY YANG 1A
 COMPANY: CAPITAL ENERGY
 TOOL PUSHER: P. BUCHANAN: P. QUIGLEY RIG NO: FOUR

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-----|--------------------|-----------------|-----------------------|
| OPERATION NIGHT DAY | 1 | BIT .30" | BIT NO 2 RR | TIME WATER |
| WGT UP AND TEAR DOWN | 1 | BIT SUB .36 | SIZE 12 3/4 | WEIGHT |
| DRILL ACTUAL | 4 | 1 1/2" DC @ 18.67" | MFC VAREL | PRESSURE GRADIENT |
| PLEADING | 1 | 1 1/2" S&S 1.38" | TYPE VAREL | VISC SEC |
| COILING | 1/2 | 8 3/4" S&S | JETS 1.32 3x20 | PV/P |
| CONDITION MUD & CIRCULATE | 1/2 | OD | SEP NO TGM17 | GELS |
| MHS | 1/2 | STE ROPS OD | DEPTH - OUF | W. CC 1 |
| LUBRICATE WIG | | STE ROPS OD | DEPTH - H | SP |
| REPAIR RIG | | | TOTAL - FC | SOLIDS |
| CUT OFF DRILLING LINE | | | TOTAL - HRS RUN | |
| DEVIATION SURVEY | | | STANDS DP | MUD & CHEMICALS ADDED |
| WIRE LINE LOGS | | | SINGLES DP | TYPE AMT TYPE AMT |
| RUN CASING & CEMENT | | | PEL. DOWN | |
| WAIT ON CEMENT | | | TOTAL | |
| NIPPLE UP & BOP | | | WGT OF STRING | |
| TEST BOP | | | | |
| DRILL STEM TEST | | | | |
| LOG BACK | | | | |
| SQUEEZE CEMENT | | | | |
| FISHING | | | | |
| IF WORK | | | | |

| FOOTAGE | DEPT | DIR | FORM | REMARKS |
|-----------|-------|-----|------|--|
| 0800-0300 | 3 | 1 | | CONTINUE FABRICATE NEW BELL NIPPLE |
| 0300-0430 | 1 1/2 | 6 | | P/U DC & R/H! SLOW GOING DUE TO BAD WEATHER |
| 0430-0500 | 1/2 | | | 100 TOR @ 100 RPM: P/U KELLY & COMMENCE DR |
| 0500-0730 | 2 1/2 | | | NO TORQUE @ ROTARY P/U OFF BOTTOM & WAIT ON HYDRAUNICS MECHANIC/PUMP ON HOLE |
| 0730-0800 | 1/2 | 10 | | RUN SURVEY AT 95° |
| 0800-1130 | 3 1/2 | | | DRILL CUT FLOAT SHOE TRACK SHOE F/115" |
| 1130-1200 | 1/2 | 5 | | DISPLACE WATER WITH MUD |

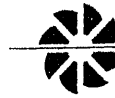
NIGHT TOUR 00 P.M. 12:00
 CREW: SCOT TURNER 12, TONY M'SWAIN 12, BARRY EAST 12, GARY WIGG 12, KEVIN HICKS 12, HENRY BYRON 12, BRYAN ANDERSON 12
 NAME: PAUL BUCHANAN 12

OTHER: 3 1/2 S&S STRING WT 40K
 P/U WT 40K 30 WT 40K DRILLER
 REPAIRS: 2 1/2
 DAY WORK TIME SUMMARY OFFICE USE ONLY
 REMARKS: ACCIDENT REPORT FOLLOWING IN REGARD TO HENRY BYRON INJURED SHOULDER @ 2800 HRS. FRESH ADVISORY WEATHER CONDITIONS FOR PAST 24 HRS AS WELL AS PREVIOUS 48 HRS HIGH WIND VELOCITY RAIN SWEET HAIL

| FOOTAGE | DEPT | DIR | FORM | REMARKS |
|-----------|-------|-----|------|--|
| 136" | | | | 130 3/4 400 T2 05 52 - 5 |
| 1200-1300 | 1 | 3 | | WASH + REAM F/115 TO 136" |
| 1300-1330 | 1/2 | 5 | | CIRCU + WORK PIPE WHILE CLEANING SHAKERS |
| 1330-1630 | 3 | 2 | | DRILL 12 1/4" FROM 136" TO 153.35" |
| 1630-1800 | 1 1/2 | 6 | | P.O.O.H CLEAR JETS R.H. PICK UP RUN FISH |
| 1800-1830 | 1/2 | | | WASH F/140 TO 153" |
| 1830-1930 | 1 | 2 | | DRILL 12 1/4" HOLE F/153" TO 162.29 |
| 1930-2230 | 3 | 21 | | MAKE CONNECTION: CANNOT GO DOWN: PICK UP: CANNOT GO DOWN: OR UP: BACK OUT SGLS HOOKUP ATTEMPT REAM DOWN (WOOD) STABILIZER SUCK AT 133.52": BIT @ 153.85 COM ATTEMPT WORK FREE DISCUSS OPTIONS: |
| 2230-0000 | 1 1/2 | 19 | | DO BLIND BACK OFF POOH: TOP OF FISH @ 71.67 |

DAY TOUR 12:00 A.M. 0:0
 CREW: DENNIS WHITE 12, ANDREW DICKSON 12, GRAHAM BARTLETT 12, ANTHONY REYNOLDS 12, RICKY WHITE 12, WAYNE BARRETT 12
 NAME: GLEN KINWELL 12, PADDY QUIGLEY 12, BERNIE ANDERSON 12

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

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No. 8

WELL NO: 1A
 API WELL NUMBER: [blank]
 DATE: 6-11-94
 OPERATOR: LOY YANG
 CONTRACTOR: RURAL WATER CORPORATION
 SIGNATURE OF OPERATOR REPRESENTATIVE: [Signature]
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]
 PUMP NO: 2
 MANUFACTURER: NATIONAL
 TYPE: FZ 29
 STROKE LENGTH: 12"

FIELD OF DIST: LOY YANG
 COUNTY: GIPPSLAND
 STATE: VICTORIA
 WIRE LINE RECORD: 1" NO LINES 8
 PRESENT LENGTH: 114.6
 LAST CASING TUBING OR LINES: 1 3/8" 1736
 W.P. & L.P.: EAFS
 NO JOINTS: [blank]
 FEET: [blank]
 MADE TO CSC NO: [blank]
 SET: 114.6
 TONNAGE OF TRIPS SINCE LAST CUT: [blank]
 CUMULATIVE TONNAGE ON TRIPS: [blank]

DRILLING CREW PAYROLL DATA
 DATE: 6-11-94
 WELL NAME & NO: LOY YANG 1A
 COMPANY: CAPITAL ENERGY
 TOOL NUMBER: ROUGLEY: P. RICHMOND INC A

| TIME DISTRIBUTION - HOURS | | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------------------|---------------------------|-------|---------|-------------------|-----|------------|-----------------|------------|-----------------------|
| CODE NO | OPERATION | NIGHT | DAY | BIT | FT | BIT NO | SIZE | TIME | WEIGHT |
| 1 | RIG UP AND TEAR DOWN | | 3 | | | | | | |
| 2 | DRILL - ACTUAL | | | STE RMP | OD | FT | MFC | | PRESSURE GRADIENT |
| 3 | HEAVING | | | D/C ID | OD | FT | TYPE | | WISC SEC |
| 4 | CONING | | | STE RMP | OD | FT | JETS 1/32 | | PUMP |
| 5 | CONDITION MUD & CIRCULATE | | | D/C ID | OD | FT | SER NO | | GELS |
| 6 | SHIPS | | 1 1/2 | STE RMP | OD | FT | DEPTH OUT | | W. CC |
| 7 | LUBRICATE RIG | | | | | | DEPTH IN | | SP |
| 8 | REPAIR RIG | | 6 7 1/2 | | | | TOTAL, FTC | | SG. ID |
| 9 | CUT OFF DRILLING LINE | | | | | | TOTAL HAS RUN | | MUD & CHEMICALS ADDED |
| 10 | DEVIATION SURVEY | | | STANDS DP | FT | | CODE TO TAGGAGE | | TYPE |
| 11 | WIRE LINE LOGS | | | SINGLES DP | FT | | GRAPHERS | | |
| 12 | RUN CASING & CEMENT | | | KELLY DOWN | FT | | | | |
| 13 | WAIT ON CEMENT | | 5 | TOTAL | FT | | | | |
| 14 | AMPLE UP BOP | | | WT OF STRING | lbs | | | | |
| 15 | TEST BOP | | | REMARKS | | | | | |
| 16 | DRILL STEM TEST | | | | | | | | |
| 17 | PULL BACK | | | | | | | | |
| 18 | SQUEEZE CEMENT | | | | | | | | |
| 19 | FINISHING | | | | | | | | |
| 20 | DR WORK | | | | | | | | |

| FOOTAGE | | DR I | DR II | DR III | DR IV | DR V | DR VI | DR VII | DR VIII | DR IX | DR X | DR XI | DR XII | DR XIII | DR XIV | DR XV | DR XVI | DR XVII | DR XVIII | DR XIX | DR XX |
|---------|------|-------|-------|--------|-------|------|-------|--------|---------|-------|------|-------|--------|---------|--------|-------|--------|---------|----------|--------|-------|
| FROM | TO | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN |
| 0.0 | 0030 | 1/2 | 13 | | | | | | | | | | | | | | | | | | |
| 0030 | 0130 | 1 | 12 | | | | | | | | | | | | | | | | | | |
| 0130 | 0600 | 4 1/2 | 13 | | | | | | | | | | | | | | | | | | |
| 0600 | 1200 | 6 | 8 | | | | | | | | | | | | | | | | | | |

DEVIATION RECORD

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

0.0 0030 1/2 13 WDS.
 0030 0130 1 12 H/BURTON MIX + PUMP TOP PLUG 1 3/8" TO CONDUCTOR
 0130 0600 4 1/2 13 WOC CHECK + RE SHIM RIG JACKS WHERE NEEDED
 0600 1200 6 8 RIG ON DOWN TIME DUE "REPAIRS"
 CHANGE OUT HYDRAULIC PUMP FOR ROTARY
 WORK ON DRAW WORKS MOTOR WORK ON
 NATIONAL MUD PUMP

NIGHT TOUR 0000 P.M. 1200

| CREW | SEC | SEC NO | NAME | HRS |
|---------|-----|--------|--------------|-----|
| DRILLER | | | SCOTT TURNER | 12 |
| DRAMAN | | | TAN M'EWAN | 12 |
| MTRAMAN | | | BARRY EAST | 12 |
| FIREMAN | | | CARY WISE | 12 |
| FLMAN | | | HENRY BYRON | 12 |
| FLMAN | | | KEVIN HICKS | 12 |

CRANE SUPT: [blank]
 MECHANIC: [blank]
 WELDER: [blank]
 RSTABOU: [blank]
 RSTABOU: [blank]
 TRAINER: [blank]

NO OF DAYS: [blank] SINCE LAST LOST TIME ACCIDENT

COMPLETIVE

| A. REPAIR RIG | | B. TBC TRIPS | | C. TREATING | | D. SWABBING | | E. TESTING | | F. ADDITIONAL | | G. | |
|---------------|------|--------------|------|-------------|------|-------------|------|------------|------|---------------|------|----|------|
| NO | DATE | NO | DATE | NO | DATE | NO | DATE | NO | DATE | NO | DATE | NO | DATE |
| | | | | | | | | | | | | | |

DAY WORK TIME SUMMARY OFFICE USE ONLY

| NO | DATE | NO | DATE | NO | DATE | NO | DATE | NO | DATE |
|----|------|----|------|----|------|----|------|----|------|
| | | | | | | | | | |

REMARKS: TOP PLUG = 14 BBL (150 SACKS) W/2% C/CHARGE

| FOOTAGE | | DR I | DR II | DR III | DR IV | DR V | DR VI | DR VII | DR VIII | DR IX | DR X | DR XI | DR XII | DR XIII | DR XIV | DR XV | DR XVI | DR XVII | DR XVIII | DR XIX | DR XX |
|---------|------|-------|-------|--------|-------|------|-------|--------|---------|-------|------|-------|--------|---------|--------|-------|--------|---------|----------|--------|-------|
| FROM | TO | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | IN | |
| 1200 | 1930 | 7 1/2 | 8 | | | | | | | | | | | | | | | | | | |
| 1930 | 2030 | 1 | 6 | | | | | | | | | | | | | | | | | | |
| 2030 | 2130 | 1 | 1 | | | | | | | | | | | | | | | | | | |
| 2130 | 2200 | 1/2 | 6 | | | | | | | | | | | | | | | | | | |
| 2200 | 0.0 | 2 | 1 | | | | | | | | | | | | | | | | | | |

DEVIATION RECORD

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

1200 1930 7 1/2 8 CONTINUE WITH HYDRAULIC REPAIRS.
 1930 2030 1 6 M/U BIT SUR: 2 X 8" DC: 12 1/2" STABILIZER
 2030 2130 1 1 REFIT FLOWLINE SLEEVE: RE-LEVEL PIPE RACKS
 2130 2200 1/2 6 PICK UP W/DC/M/U + ATTEMPT R/H: STABILIZER
 WILL NOT PASS THROUGH BELL NIPPLE: PULL BACK
 TO BIT & SET BACK ON FLOOR: B/NIPP ID TOO SMALL
 CUT OFF EXISTING B/NIPPLE FLOWLINE + FILL UP LINE
 FABRICATE NEW B/NIPPLE FROM 1 3/8" CSG CUT OFF.

DAY TOUR 1200 A.M. 0800

| CREW | SEC | SEC NO | NAME | HRS |
|---------|-----|--------|------------------|-----|
| DRILLER | | | DENNIS WHITE | 12 |
| DRAMAN | | | ANDREW DICKSON | 12 |
| MTRAMAN | | | CAROL BORTRETT | 12 |
| FIREMAN | | | ANTHONY REYNOLDS | 12 |
| FLMAN | | | PICKY WHITE | 12 |
| FLMAN | | | WAYNE BORTRETT | 12 |

CRANE SUPT: [blank]
 MECHANIC: GLEN KINGWELL 12
 WELDER: [blank]
 RSTABOU: [blank]
 RSTABOU: [blank]
 TRAINER: [blank]

NO OF DAYS: [blank] SINCE LAST LOST TIME ACCIDENT

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

OPERATOR: **LOY-YANG** DATE: **5-11-94**
 WEL. NO. API WELL NUMBER WATER DEPT. DATE

CONTRACTOR: **CAPITAL ENERGY** SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]*
 CONTRACTOR: **RURAL WATER CORPORATION** SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

| SIZE | WT | CHAS | 100' OF | TYPE | THICK | STARTING | NO | PUMP | NO | MANUFACTURER | TYPE | STROKE | LENGTH |
|-------|------|------|---------|------|-------|----------|----|------|----|----------------|--------|--------|--------|
| 4 1/2 | 16.6 | | 6 3/8 | 1F | | | 1 | | | CARDNER DENVER | F229 | 12" | |
| 4 1/2 | | | | | | | 2 | | | NATIONAL | K51250 | 12" | |

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|---------|-----------------------|------------------|-------------------|
| OPERATION | | | | |
| RIG UP AND LEAD DOWN | | 1 9 3/4" .43" | 1211 | |
| START | | 1 BITSUB .26 | SIZE 17 1/2 | WEIGHT |
| PEAKING | 6 1/2 | 1 1 1/2" BITSUB 1.54" | MFC SMITH | PRESSURE GRADIENT |
| WORKING | | 2 2 1/8" DOG 17.67" | TYPE 11-85DM | WISC SEC |
| CONDITION MADE CIRCULATE | 1 | 1 STL RHM OD .30" | JETS 133: 232333 | PULSE |
| TESTS | 2 | 1 D RHM OD .47" | SEA NO: K5140 | GELS |
| LUBRICATE RIG | | 1 STL RHM OD .30" | DEPTH: 67" | W. CC: |
| REPAIR RIG | | 1 STL RHM OD .30" | DEPTH: 11" | SG: 150 |
| DRILLING LINE | | 1 STL RHM OD .30" | DEPTH: 11" | SG: 150 |
| DEVIATION SURVEY | | | | |
| WIRE LINE LOGS | 2 3 1/2 | 9 1/2" CEMENT | | |
| WIRE CASING | | 3 1/2" TEST DP | | |
| WIRE UN-CEMENT | | | | |
| WIRE SAMPLE OF BOP | | | | |
| WIRE TEST BOP | | | | |
| WIRE SHUT-STEM TEST | | | | |
| WIRE SHUT-BACK | | | | |
| WIRE CO. ELZE CEMENT | | | | |
| WIRE SHUTTING | | | | |
| WIRE SHUT WORK | | | | |

| TIME | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-------|----|-------------------|------------|------------|
| 12:00 | | 1 STL RHM OD .30" | DEPTH: 67" | |
| 13:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 14:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 15:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 16:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 17:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 18:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 19:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 20:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 21:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 22:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |
| 23:00 | | 1 STL RHM OD .30" | DEPTH: 11" | |

| FIELD OR DIST | COUNTY | STATE | WIRE LINE RECORD | WEL. NO. |
|---------------|------------|-------|------------------|----------|
| LOY-YANG | CUTLERLAND | VIC | | |

| TIME | FROM | TO | 1. HOURS | CODE | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|-------|----------|------|---|
| 02:00 | 02:00 | 02:00 | 2 | 6 | RH W/12 3/8" CSG: NO GO PAST 34.50" |
| 02:00 | 04:30 | 04:30 | 2 1/2 | 6 | POOH. CSG & RIG TO RUN DRILL PIPE/CLEAR FLOOR |
| 04:30 | 11:00 | 11:00 | 6 1/2 | 3 | H/L BHA & RH REAM TO BOTTOM: BRIDGED OFF FROM 35.34 TO 50.54/6800 TO 74.60" |
| 11:00 | 12:00 | 12:00 | 1 | 5 | @ 136" WORK PIPE MIX HIGH VISC PULL A PUMP SOME |

| TIME | FROM | TO | 1. HOURS | CODE | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|-------|-------|----------|------|---|
| 12:00 | 14:00 | 14:00 | 2 | 6 | POOH SIDWAYS DUE TO HIGH WINDS |
| 14:00 | 15:30 | 15:30 | 1 1/2 | 12 | RIG TO RUN 12 3/8" CSG: CLEAR RIG FLOOR EXCESS EQUIP |
| 15:30 | 17:30 | 17:30 | 2 | 12 | RUN CSG TO 114.6M |
| 17:30 | 19:30 | 19:30 | 2 | 12 | H/L CIRC HEAD & ATTEMPT WASH DOWN (NEGATIVE) |
| 19:30 | 20:30 | 20:30 | 1 | 12 | RIG FOR CMT JOB |
| 20:30 | 22:00 | 22:00 | 1 1/2 | 12 | TEST SURFACE LINES 2000 PSI S MIN (OK) & CMT C.S.G. |
| 22:00 | 00:00 | 00:00 | 2 | 13 | WISC CLEAN & MAINTAIN RIG EQUIP: CENTRALIZE CSG TO ROTARY TABLE |

| NIGHT TOUR 00:00 P.M. 12:00 | | |
|-----------------------------|-----|------------------|
| CREW | SEC | NAME |
| DRILLER | | SCOTT TURNER 12 |
| DHARMAN | | TAN M SWAN 12 |
| MTRMAN | | BARRY EAST 12 |
| FIREMAN | | GARRY WIGG 12 |
| FIREMAN | | HENRY BYRON 12 |
| FIREMAN | | KEVIN WICKS 12 |
| CHANE SUPV | | WAYNE BARTLET 12 |
| MECHANIC | | |
| WELDER | | |
| ROSTABOUT | | |
| ROSTABOUT | | |
| TRAINEE | | |
| | | PAUL BUCHANAN 12 |

| DAY TOUR A.M. | | |
|---------------|-----|---------------------|
| CREW | SEC | NAME |
| DRILLER | | DENNIS WHITE 12 |
| DHARMAN | | ANDREW DICKSON 12 |
| MTRMAN | | BRAMON BARTLET 12 |
| FIREMAN | | ANTHONY REYNOLDS 12 |
| FIREMAN | | RICHIE WHITE 12 |
| FIREMAN | | WAYNE BARTLET 12 |
| CHANE SUPV | | |
| MECHANIC | | GLEN KINGWELL 12 |
| WELDER | | |
| ROSTABOUT | | |
| ROSTABOUT | | |
| TRAINEE | | |
| | | PADDY OULIGLEY 12 |
| | | BERNIE ANDERSON 12 |

DAILY DRILLING REPORT REPORT NO.

Operator: Loy Yang, Contractor: Rural Water Corporation, Signature of Operator: [Signature], Signature of Contractor: [Signature]

DRILLING SERVICES logo and contact information: P.O. Box 70, Port Melbourne Victoria 3207

Field of Dist: Loy Yang, County: Gippsland, State: Victoria, Wire Line Record: 1

Drilling Crew Payroll Data: Well Name: Loy Yang 1A, Company: Capital Energy, Tool Pusher: P. Buchanan / P. Quigley

Table with columns: TIME DISTRIBUTION - HOURS, NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for operations like 'DRILLING', 'CIRCULE', 'MUD RECORD'.

Table with columns: FOOTAGE, DR. PUMP, CORE, FORMATION, DEVIATION RECORD. Includes detailed log entries with time, depth, and formation descriptions.

Table with columns: NIGHT TOUR, DRILLER, DRAMAN, etc. Lists crew members and their roles for the night shift.

Table with columns: NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Continuation of drilling log with detailed assembly and bit records.

Table with columns: FOOTAGE, DR. PUMP, CORE, FORMATION, DEVIATION RECORD. Continuation of drilling log with detailed log entries.

Table with columns: DAY TOUR, DRILLER, DRAMAN, etc. Lists crew members and their roles for the day shift.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. API WELL NUMBER DATE 3-11-94
 OPERATOR **Loy Yang** CONTRACTOR **Loran Water Corporation** RIG NO. 4
CAPITAL ENERGY SIGNATURE OF OPERATOR'S REPRESENTATIVE *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER *[Signature]*
 SIZE 4 1/2" 76.6" 4 1/2" 10.4" ALUM

COUNTRY **Great Britain** STATE **VICTORIA** WIRE LINE RECORD HELI. NO. 1
 SIZE 1" NO LINES 8 PT SLOPES
 PRESENT LENGTH
 TOY. NO. OR TRIPS SINCE LAST CUT
 COMMUNICATED TOY. NO. OR TRIPS

DRILLING CREW PAYROLL DATA
 DATE **7-11-94**
 WELL NAME & NO. **Loy Yang 1A**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **P. Buchanan / P. Quigley** RIG NO. 4

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | | | | |
|---------------------------|-------|-----|-------------------|------|------------|--------|------------|--------|-------------------|------------|-----|
| OPERATION | NIGHT | DAY | BIT NO. | SIZE | BIT NO. | SIZE | TIME | WEIGHT | PRESSURE GRADIENT | TYPE | AMT |
| 1 | | | 13 1/2 | 4.8" | 1021 | 17 1/2 | | | | WATER | |
| 2 | | | 18.6" | | 5MM | | | | | NO RETURNS | |
| 1 | | | 30" | 30" | 1155DH | | | | | HIGH VISC | |
| 1 | | | 42" | 42" | 282025 | | | | | SWEETS | |
| TOTAL | | | 21.13 | | | | | | | | |

| FOOTAGE | | FORMATION | | DEVIATION RECORD | |
|---------|------|-----------|-----------|------------------|-----------|
| FROM | TO | DEPTH | DIRECTION | DEPTH | DIRECTION |
| 0000 | 1200 | 12 | 2 | | |

1300 2 380 7 50 5 41
 CONT DRILL BLIND FROM 60.42" TO 132"
 SWEEP W/HIGH VISC IMPROVEMENT CHANGE TO KCL @ 132"

NIGHT TOUR 0:00 P.M. 12:00

| CREW | SOC SEC NO. | NAME | HRS |
|------------|-------------|---------------|-----|
| DRILLER | | SCOTT TUNGER | 12 |
| DRAMAN | | LARRY M'SWAIN | 12 |
| MTRAMAN | | BARRY EAST | 12 |
| FIREMAN | | GARRY WIGG | 12 |
| FLAMAN | | HENRY BYRON | 12 |
| FLAMAN | | WES MILLER | 12 |
| CHANE SUPV | | | |
| MECHANIC | | | |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRAINER | | | |
| | | PAUL BUCHANAN | 12 |

W O MUD

| DRILLING ASSEMBLY | | | BIT RECORD | | MUD RECORD | | | | | | |
|-------------------|-------|-----|------------|------|------------|------|------|--------|-------------------|------|-----|
| OPERATION | NIGHT | DAY | BIT NO. | SIZE | BIT NO. | SIZE | TIME | WEIGHT | PRESSURE GRADIENT | TYPE | AMT |
| 1 | | | 13 1/2 | 4.8" | | | | | | | |
| 2 | | | 18.6" | | | | | | | | |
| 1 | | | 30" | 30" | | | | | | | |
| 1 | | | 42" | 42" | | | | | | | |
| TOTAL | | | 21.13 | | | | | | | | |

| FOOTAGE | | FORMATION | | DEVIATION RECORD | |
|---------|------|-----------|-----------|------------------|-----------|
| FROM | TO | DEPTH | DIRECTION | DEPTH | DIRECTION |
| 1200 | 1300 | 1 | 6 | | |
| 1300 | 1400 | 1 | 3 | | |
| 1400 | 1500 | 1 | 2 | | |
| 1500 | 1630 | 1 1/2 | 5 | | |
| 1630 | 1700 | 1/2 | 6 | | |
| 1700 | 1800 | 1 | 5 | | |
| 1800 | 2030 | 2 1/2 | 6 | | |
| 2030 | 2100 | 1/2 | 6 | | |
| 2100 | 2300 | 2 | 22 | | |
| 2300 | 0000 | 22 | 22 | | |

POOH WIPER TRIP & RIM.
 WASH & REAM FROM 124" TO 135"
 DRILL TO 136"
 WORK PIPE MIX HEAVY PILL & PUMP SAME
 POOH TO SHOR.
 MIX MUD
 RIM & ATTEMPT WASH & REAM FROM 124" TO 136" (NO GO)
 POOH
 WAIT ON KCL (SERVICE RIG)
 UNLOAD & MIX KCL.

DAY TOUR 12:00 A.M. 24:00

| CREW | SOC SEC NO. | NAME | HRS |
|------------|-------------|------------------|-----|
| DRILLER | | DEVALS WHITE | 12 |
| DRAMAN | | ANDREW DICKSON | 12 |
| MTRAMAN | | GRAHAM BARTLETT | 12 |
| FIREMAN | | ANTHONY REYNOLDS | 12 |
| FLAMAN | | RICKY WHITE | 12 |
| FLAMAN | | WAYNE BARTLETT | 12 |
| CHANE SUPV | | | |
| MECHANIC | | GLENN KINGWELL | 12 |
| WELDER | | | |
| ASTABOUT | | | |
| ASTABOUT | | | |
| TRAINER | | | |
| | | PODDY QUIGLEY | 12 |
| | | BERNIE ANDERSON | 12 |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1A** AP. WELL NUMBER
 DATE **1-11-94**
 CONTRACTOR **RURAL WATER CORP.**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *Loy Yang*
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *W. J. Quigley*

FIELD OR DISTRICT **GIPPSLAND** STATE **VICTORIA** WIRE LINE RECORD NO. **1**
 SIZE **1 1/2** MAKE **9** NC LINES **9** PRESENT LENGTH **60**
 FEET MAKE TO CDSG HE SET AT
 CUMULATIVE TONNAGE OF TUBES

DRILLING CREW PAYROLL DATA
 DATE **1-11-94**
 WELL NAME & NO. **Loy Yang**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **B. ANDERSON / P. QUIGLEY** NO. **4**

| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----------|-------|-----|-------|-------------------|------------|------------|
| 1 | | | 1 | 17 1/2" 43" | 1RR | |
| 1 | | | 1 | 8 5/8" 86" | 17 1/2" | |
| 2 | | | 2 | 8 5/8" 18-67" | SMITH | |
| 1 | | | 1 | 8 5/8" 70" | 4 x 23 | |
| 1 | | | 1 | 8 5/8" 47" | | |
| | | | TOTAL | 21-13 | | |

| TIME | LOG | DEPTH | DIAGNOSIS | REMARKS |
|------|------|-------|-----------|---|
| 0:00 | 0030 | 1 | | ATTEMPT TO FILL HOLE T/TAP TANK 42 BBLs No go |
| 0:30 | 0130 | 6 | | RH TAG AT 28-84 WAIT ON ORDERS. |
| 0:30 | 0200 | 6 | | POOH DRIP LCM & RH TO 28.00" |
| 0:30 | 0230 | 5 | | PUMP 40 BBLs LCM PULL PUMP 300 SACK 15.6L0 SLURRY W/ 9% C/CHLORIDE Plug n°6 |
| 0:30 | 0630 | 4 | | WOC |
| 0:30 | 0700 | 6 | | RH TAG CMT 28-50" POOH ATTEMPT TO FILL HOLE (NEG) |
| 0:30 | 0730 | 6 | | RH W/17 1/2" BIT & BHA TO 28-50" |
| 0:30 | 1100 | 3 1/2 | | DRILL W/NO RETURNS TO 32-58 |
| 1:00 | 1200 | 1 | | 23 PREPARE LEASE & CONDUCTOR TO DO CMT JOB |

NIGHT TOUR 0:00 P.M. 12:00

| CREW | SOC SEC NO | NAME | HRS |
|-----------|------------|---------------|-----|
| DRILLER | | SCOTT TURNER | 12 |
| DRYMAN | | IAN M'CAW | 12 |
| WITMAN | | BARRY EAST | 12 |
| FOREMAN | | GARRY WIGG | 12 |
| FLAMAN | | HENRY BARRON | 10 |
| FLAMAN | | WES MILLER | 8 |
| FLAMAN | | PAUL BUCHANAN | 12 |
| CHANE SUP | | | |
| MECHANIC | | | |
| WELDER | | | |
| ROSTABOUT | | | |
| ROSTABOUT | | | |
| TRAINER | | | |

NC OF DAYS SINCE LAST LOST TIME ACCIDENT

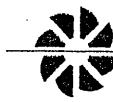
| OPERATION | NIGHT | DAY | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----------|-------|-----|-------|-------------------|------------|------------|
| 1 | | | 1 | 17 1/2" 43" | 1RR | |
| 1 | | | 1 | 8 5/8" 86" | 17 1/2" | 8-5 |
| 2 | | | 2 | 8 5/8" 18-67" | SMITH | |
| 1 | | | 1 | 8 5/8" 70" | 4 x 23 | 62 |
| 1 | | | 1 | 8 5/8" 47" | | |
| | | | TOTAL | 21-13 | | |

| TIME | LOG | DEPTH | DIAGNOSIS | REMARKS |
|-------|------|-------|-----------|---|
| 12:00 | 1300 | 1 | | 23 PREPARE LEASE & CONDUCTOR TO DO CMT JOB |
| 13:00 | 1330 | 12 | | POOH CONCRETE FROM TOP. Plug n°8 |
| 13:30 | 1430 | 1 | | TAG CONCRETE 10-70" POOH Lay DOWN 8" D/C |
| 14:30 | 1730 | 3 | | 3 DRILL CONCRETE 10-70" - 28.57" W/RETURNS. DRILL 32-57 NIL RETURNS |
| 17:30 | 1900 | 1 1/2 | | 6 POOH: RH OPEN END PIPE M/U CMT LINES |
| 19:00 | 2000 | 1 | | 12 HANBURTON PREP, MIX & PUMP 16" 200 SACK SLURRY |
| 20:00 | 0000 | 4 | | 13 WAIT ON CMT. (CMT. 3 → 9% C/CHLORIDE) Plug 8 |

DAY TOUR 12:00 A.M. 24:00

| CREW | SOC SEC NO | NAME | HRS |
|-----------|------------|------------------|-----|
| DRILLER | | DENNIS WHITE | 12 |
| DRYMAN | | ANDREW DICKSON | 12 |
| WITMAN | | GRAHAM BARTLETT | 12 |
| FOREMAN | | ANTHONY REYNOLDS | 12 |
| FLAMAN | | RICKY WHITE | 12 |
| FLAMAN | | WAYNE BARTLETT | 12 |
| CHANE SUP | | | |
| MECHANIC | | GLENN KINGWELL | 12 |
| WELDER | | | |
| ROSTABOUT | | | |
| ROSTABOUT | | | |
| TRAINER | | | |
| | | BERNIE ANDERSON | 12 |
| | | PADDY QUIGLEY | 12 |

NC OF DAYS SINCE LAST LOST TIME ACCIDENT



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: **LOY YANG** AP. WELL NUMBER: **31-10-94** DATE: **31-10-94**

OPERATOR: **CAPITAL ENERGY** CONTRACTOR: **RURAL WATER CORPORATION** RIG NO: **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]* SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

TOOL PUSHER: **GARDNER 1064 K.R. F729** TYPE: **K.S.H. 780** STROKE LENGTH: **12**

FIELD OF BIT: **GIPPSLAND** STATE: **VICTORIA** WIRE LINE RECORD: **1**

SIZE: **1 7/8** NC LINE: **8** SUPPLY: **60**

LAST CASING TUBING OR LINE: **60** PRESENT LENGTH: **60**

TOT. M. ON TRIP: **60** SINCE LAST CLIP: **60** CUMULATIVE TOT. M. ON TRIP: **60**

DRILLING CREW PAYROLL DATA

DATE: **31-10-94**

WELL NAME & NO: **LOY YANG**

COMPANY: **CAPITAL ENERGY**

TOOL PUSHER: **B ANDERSON / R QUIGLEY** RIG NO: **4**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----------|-------------------|--|-----------------------|
| 1 | BIT | 17 1/2" .43" | RR | TIME |
| 1 | B/SUB | .86 | 17 1/2" | WEIGHT |
| | STE RAMP | OD | SMITH | PRESSURE GRADIENT |
| 2 | DC | 8" OD 18.67" | | VISCO SEC |
| 1 | STE RAMP | XO OD .70" | JETS 1/32 4 x 25 | PUMP |
| 1 | DC | XO OD .47" | SEP NO | GELS |
| | STE RAMP | OD | DEPTH OUT | W. CC |
| | | TOTAL | DEPTH IN | DP |
| | | | TOTAL, ETC | SOLIDS |
| | | | TOTAL, MIN | |
| | | | TOTAL, MAX | |
| | | | STANDS DR | MUD & CHEMICALS ADDED |
| | | | SINGLES DR | TYPE AMT TYPE AMT |
| | | | WELL DOWN | |
| | | | TOTAL | |
| | | | WT OF STRING | LBS |
| | | | REMARKS | |
| | | | A.H.B. TO SURFACE 355 GROUND TO R.K.B. 3.5M. | |

| FOOTAGE | DR. LOG | LOG | FORMATION | DEVIATION |
|---------|---------|-------|-----------|--|
| 00 | 0430 | 4 1/2 | 13 | W.O.C. |
| 0430 | 0500 | 1/2 | 6 | TAG CNT AT 30:63" WITH 10000 LBS |
| 0500 | 0600 | 1 | 5 | MIX + SPOT L.C.M. PILL "MICA" |
| 0600 | 0630 | 1/2 | 6 | R.I.H. |
| 0630 | 0700 | 1/2 | 12 | CMT PLUG #2 100SKS CLASS A + 2% C/CHLORIDE |
| 0700 | 1100 | 4 | 13 | W.O.C. |
| 1100 | 1130 | 1/2 | 6 | R.I.H TAG CNT 25.13" ATTEMPT TO FILL F/SURFACE TO 40 |
| 1130 | 1200 | 1/2 | 6 | P.O.O.H W/BIT R.I.H OPEN END DP + SPOT L.C.M. PILL |

NIGHT TOUR **00 - P.M. 1200**

| CREW | SOC SEC NO | NAME | HRS |
|---------|------------|--------------|-----|
| DRILLER | | SCOTT TURNER | 12 |
| DRAMAN | | IAN M'SWAIN | 12 |
| WITMAN | | BARRY EAST | 12 |
| FIREMAN | | GARRY WIG | 12 |
| FIREMAN | | HENRY BYRON | 12 |
| FIREMAN | | WES MILLER | 8 |
| FIREMAN | | PAUL BUCKMAN | 12 |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|--------------|------------------|
| 1 | BIT | 17 1/2" .43" | RR |
| 1 | B/SUB | .86 | 17 1/2" |
| | STE RAMP | OD | SMITH |
| 2 | DC | 8" OD 18.67" | |
| 1 | STE RAMP | XO OD .70" | JETS 1/32 4 x 25 |
| 1 | DC | XO OD .47" | SEP NO |
| | STE RAMP | OD | DEPTH OUT |
| | | TOTAL | DEPTH IN |
| | | | TOTAL, ETC |
| | | | TOTAL, MIN |
| | | | TOTAL, MAX |
| | | | STANDS DR |
| | | | SINGLES DR |
| | | | WELL DOWN |
| | | | TOTAL |
| | | | WT OF STRING |
| | | | REMARKS |

| FOOTAGE | DR. LOG | LOG | FORMATION | DEVIATION |
|---------|---------|-------|-----------|---|
| 1200 | 1230 | 1/2 | 12 | CMT PLUG N° 3 100SKS CLASS A + 2% C/CHLORIDE |
| 1230 | 1500 | 2 1/2 | 13 | W.O.C. |
| 1500 | 1530 | 1/2 | 5 | ATTEMPT FILL HOLE W/FILL UP LING TOOK 3H ABT HOLE |
| 1530 | 1600 | 1/2 | 6 | R.I.H TAG CNT AT 22:33" |
| 1600 | 1730 | 1/2 | 21 | DRILL CMT F/22:33" TO 28:23" LAST FULL RETURN |
| 1730 | 1800 | 1/2 | 2 | DRILL BLIND TO 32:58" |
| 1800 | 1830 | 1/2 | 6 | P.O.O.H W/BIT R.I.H W/OPEN END DP |
| 1830 | 1900 | 1/2 | 12 | PLUG #4 100SKS CLASS A + 2% C/CHLORIDE 15-6 LBS/GAL |
| 1900 | 2100 | 2 | 13 | W.O.C. |
| 2100 | 2130 | 1/2 | 6 | R.I.H OPEN END DP AT TO FILL SAME "NEGATIVE" |
| 2130 | 2200 | 1/2 | 12 | PLUG N° 5 100 SKS CLASS A + 2% C/CHLORIDE |
| 2200 | 2400 | 2 | 13 | W.O.C. |

DAY TOUR **A.M.**

| CREW | SOC SEC NO | NAME | HRS |
|----------|------------|------------------|-----|
| DRILLER | | DENNIS WHITE | 12 |
| DRAMAN | | ANDREW DICKSON | 12 |
| WITMAN | | GRAHAM BARTLET | 12 |
| FIREMAN | | ANTHONY REYNOLDS | 12 |
| FIREMAN | | RICKY WHITE | 12 |
| FIREMAN | | WAYNE BARTLET | 12 |
| MECHANIC | | GLENN KINGWILL | 12 |
| WELDER | | BERNIE ANDERSON | 12 |
| WITMAN | | PADDY QUIGLEY | 12 |

DAILY DRILLING REPORT REPORT NO.



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

OPERATOR: **Loy Yang** WELL NO: **1A** API WELL NUMBER: **30-10** DATE: **30-10**
 CONTRACTOR: **RURAL WATER CORP** RIG NO: **4**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *[Signature]*
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: *[Signature]*

FILED IN DIST: COUNTY: STATE: WIRE LINE RECORD: ALE. NO.
 SIZE: MARK: W. O. U. H. NO. JOINTS: FEET: HUB TO: CSG. NO. SET AT: SIZE: NO. LINES: P. SLIPPED
 LAST CASING TUBING OR LINE: 1" CUT OFF: PRESENT LENGTH:
 TONNAGE OF TRIP SINCE LAST CUT: CUMULATIVE TONNAGE OF TRIPS:

DRILLING CREW PAYROLL DATA
 DATE: **30-10-94**
 WELL NAME & NO: **Loy Yang 1A**
 COMPANY: **CAPITAL ENERGY**
 TOOL PUSHER: **B. ANDERSON / P. QUIGLEY** NO. **4**

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------|------------|
| 1. OPERATIONAL | | | | |
| 2. UP AND DOWN | | | | |
| 3. ACTUAL | | | | |
| 4. RUNNING | | | | |
| 5. STOPPING | | | | |
| 6. CONDITION MUD | | | | |
| 7. CALCULATE | | | | |
| 8. TRIPS | | | | |
| 9. REPAIR MUD | | | | |
| 10. OFF DRILLING LINE | | | | |
| 11. DEVIATION SURVEY | | | | |
| 12. WIRE LINE LOGS | | | | |
| 13. FIN CASING CEMENT | | | | |
| 14. WAIT ON CEMENT | | | | |
| 15. MAKE UP BOP | | | | |
| 16. TEST BOP | | | | |
| 17. CHILL STEW TEST | | | | |
| 18. LUG BACK | | | | |
| 19. SQUEEZE CEMENT | | | | |
| 20. FINISHING | | | | |
| 21. IF WORK | | | | |

| FOOTAGE | DE I | CORE | FORMATION | PUMP PRESS | PUMP NO. 1 | PUMP NO. 2 | METHOD |
|---------|------|------|--|------------|------------|------------|--------|
| 0700 | | | INSTALL STROKE COUNTERS ON MUD PUMPS MIX PRE SPUD MUD COMPLETE RIGGING UP EQUIPMENT + REPAIRING RIG COMPLETE CHECK LIST INSPECTION WITH CAL/MAN ALL CLEAR TO SPUD Rig ON OPERATING RATE FROM 1600 HRS ON THE 30-10-94 | | | | |
| 1600 | | | | | | | |

| NIGHT TOUR | | | P.M. |
|------------|-----------------|--|------|
| CHILLER | SCOTT TURNER | | |
| DRAMAN | IAN Mc SWAIN | | |
| MTRAMAN | BARRY EAST | | |
| FIREMAN | GARRY W. G | | |
| FLAMAN | HENRY BYRAN | | |
| FLAMAN | PAUL BUCKANAN | | |
| CRANE SUPV | BERNIE ANDERSON | | |
| MECHANIC | GLEN KINGWELL | | |
| WELDER | | | |
| INSTABUT | | | |
| INSTABUT | | | |
| TRAMMER | | | |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|----------------------|------------------|-----------------------|
| 1 | BIT 17 1/2 43 FT | BIT NO RR | TIME |
| 1 | B/SUBS 86 | SIZE 17 1/2 | WEIGHT 8.7 |
| 2 | DC ID 8" OD 18.67 FT | TYPE SMITH | VISC SEC 57 |
| 1 | STE RAMP XOD 70 FT | JETS 1/3: 23 X 4 | PUVE |
| 1 | DC ID 47 FT | SEE NC | GELS |
| | STE RAMP OD | DEPTH OD | WL CCS |
| | TOTAL | DEPTH IN | DP |
| | | TOTAL FTG | SOLIDS |
| | | TOTAL HRS RUN | |
| | | CONE TRS TBURAGE | MUD & CHEMICALS ADDED |
| | | SINGLES DP | TYPE AMT TYPE AMT |
| | | HELLY DOWN | |
| | | TOTAL | |
| | | WT OF STRING | LBS |
| | | REMARKS | |

| FOOTAGE | DE I | CORE | FORMATION | PUMP PRESS | PUMP NO. 1 | PUMP NO. 2 | METHOD |
|---------|------|------|---|------------|------------|------------|--------|
| 18 33 | | | DRILLED 17 1/2" HOLE FROM 18" TO 26" LOST CIRC | | | | |
| 1730 | 1800 | 1/2 | 2 | | | | |
| 1800 | 1830 | 1/2 | 6 | | | | |
| 1880 | 1900 | 1/2 | 6 | | | | |
| 1900 | 1930 | 1/2 | 12 | | | | |
| 1930 | 2000 | 1/2 | 6 | | | | |
| 2000 | 2400 | 4 | 13 | | | | |

| DAY TOUR | | | A.M. |
|------------|------------------|--|------|
| CHILLER | DENNIS WHITE | | |
| DRAMAN | ANDREW DICKSON | | |
| MTRAMAN | ANTHONY REYNOLDS | | |
| FIREMAN | GRAHAM BARTLETT | | |
| FLAMAN | RICKY WHITE | | |
| FLAMAN | WAYNE BARTLETT | | |
| CRANE SUPV | PADDY QUIGLEY | | |
| MECHANIC | | | |
| WELDER | | | |
| INSTABUT | | | |
| INSTABUT | | | |
| TRAMMER | | | |



DRILLING SERVICES
P.O. Box 70, Port Melbourne Victoria 3207
104 Turner Street, Port Melbourne 19miles SW
Telephone (03) 646-7983 Fax: (03) 646-7213

No. 14

Header information section including Well No., API Well Number, Date, Contractor name (Lois Dearth), and Signature of Operator (S. Williams).

Table with columns for MEI, MME, WT, etc., used for recording drilling parameters and tool changes.

Drilling Overview summary section including Date (21.10.94), Operator (Bernie Anderson), and Shift (4).

Main table for Drilling Assembly records, listing measurements like 150, 120, 100, etc., and corresponding remarks.

Main table for Footage and Formation records, detailing depth (e.g., 0200, 0225, 0230) and formation types like 'NIPPLE DOWN CHOKER LINES'.

Table for Night Shift workers, listing names (JOHN, BERNIE, IAN, etc.) and shift counts.

RIG TO BE MOVED TO NEW LOCATION APPROX 1/2 KILOMETRE FOR DRILLING OF ANOTHER WELL.

0200 HAS RIG RELEASED FROM KEY YONG # 1.

Continuation of the Drilling Assembly records table from the middle section.

Continuation of the Footage and Formation records table from the middle section.

Continuation of the Day Shift workers table from the middle section.

DAILY DRILLING REPORT REPORT NO. 13



DRILLING SERVICES

P.O. Box 70, Port Melbourne, Victoria 3207
 196 Turner Street, Port Melbourne, Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. 1
 API WELL NUMBER LOY YANG S.T.
 DATE 20.10
 CONTRACTOR RURAL WATER CORPORATION
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER Lou Dowling
 OPERATOR'S REPRESENTATIVE J. J. J. J.

PROJECT REF 124
 LOCALITY MIDLANDS
 STATE VICTORIA
 WELL NAME RECORD
 WELL NO.
 DATE
 DEPTH
 DIAMETER

DRILLING CREW PAYROLL DATA
 DATE 20.10.94
 WELL NAME AND NO. LOY YANG 1
 COMPANY CAPITAL ENERGY
 TOOL PUSHER BERNIE ANDERSON

| NO. | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----|-------------------|------------|------------|
| 1 | 2 1/2" SUB | 23 ft | |
| 2 | 8" 6 1/2" CO | 72-19 ft | |
| 3 | 6" 4" HD | 55-73 ft | |
| 4 | 5" UNCLE | 45-89 ft | |

| TIME LOG | DEPTH | DIAMETER | FORMATION | REMARKS |
|----------|-------|----------|--------------|--|
| 0100 | 0100 | 1 1/2" | CEMENT PUNG. | R.I.H WITH OPEN DRILL PIPE AND TAGGED T.O.C 182m |
| 0130 | 0200 | 1 1/2" | | Laid out drill pipe. |
| 0200 | 0300 | 1 1/2" | | R.I.H WITH 26mm BIT TO 136m. |
| 0300 | 0600 | 3" | | CONTINUED TO W.O.C. |
| 0600 | 0630 | 4 1/2" | | R.I.H TAG T.O.C @ 187m |
| 0630 | 0700 | 4 1/2" | | DRESSED OF CNT 187m - 186m. |
| 0700 | 1030 | 3 1/2" | | CONTINUED TO H.O.C. |
| 1030 | 1100 | 1 1/2" | | MILLED CNT 186-187 CIRC CLEAN |
| 1100 | 1200 | 1" | | P.O.H WITH 26mm ASSY |

| NAME | SEC NO | NAME |
|-------|--------|----------|
| SCOTT | | TURNER |
| IAN | | MOSMAN |
| BARRY | | ERST |
| GARY | | HIGG |
| WAYNE | | BARLETT |
| GREEN | | KINGWELL |

| NO. | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-----|-------------------|------------|------------|
| 5 | 4" UNCLE | 187 ft | |
| 6 | 8" 6 1/2" CO | 194 ft | |
| 7 | 6" 4" HD | 187 ft | |
| 8 | 5" UNCLE | 194 ft | |

| TIME LOG | DEPTH | DIAMETER | FORMATION | REMARKS |
|----------|-------|----------|-----------|--|
| 1200 | 1330 | 1 1/2" | | MADE UP 26mm KICK OFF ASSY AND R.I.H TO 187m |
| 1330 | 1400 | 1 1/2" | | BK CIRC AND PREPARE TO DRILL OUT CNT |
| 1400 | 1700 | 3" | | COMMENCE SIDETRACK - DRILLED 187m - 194m. |
| 1700 | 2030 | 3 1/2" | | CAPITAN ENERGY ABANDON WELL ORDERS. P.O.H LAYING OUT PIPE - BITA. |
| 2030 | 2100 | 4 1/2" | | R.I.H WITH SKEN PIPE TO 194m. |
| 2100 | 2130 | 4 1/2" | | CIRC & DISPLACE HOLE TO MUD CN OXYGEN SCAVENGER OF 100PPM SULPHITE RESIDUAL. |
| 2130 | 2200 | 4 1/2" | | SET 6SSK MUD 15.8PPG @ 194m - 140m. |
| 2200 | 2250 | 4 1/2" | | PULL BACK TO 21m - BK CIRC |
| 2250 | 2300 | 4 1/2" | | P.O.H |
| 2300 | 2400 | 1" | | PREPARE TO NIPPLE DOWN 3/4" P (WOC) |

| NAME | SEC NO | NAME |
|---------|--------|----------|
| ANTHONY | | WHITE |
| ANDREW | | DICKSON |
| ANTHONY | | REYNOLDS |
| EDWARD | | BARLETT |
| RICHARD | | WHITE |
| HENRY | | BRYON |



DRILLING SERVICES

P.O. Box 70, Port Melbourne, Victoria 3207
 74 Turner Street, Port Melbourne, Victoria 3207
 Telephone: (03) 646-7300 Facsimile: (03) 646-5123

| | | | | |
|--|--|---|-----------------------------|----------------------------|
| LEASE LOYANG | WELL NO. 1A | API WELL NUMBER | WELL DEPTH | DATE 19/10/94 |
| OPERATOR CAPITAL ENERGY N.L. | CONTRACTOR RURAL WATER CORPORATION | FIG NO. 4 | | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> | | |
| DRILLER LE 16.6 | WELL DEPTH 624 | WELL NO. 4515 | STANDARD 1 | PLUG NO. 1 |
| DRILLING METHOD LC | DRILLING FLUID WATER | DRILLING EQUIPMENT SHUREHAMMER F2X150 | DRILLING SPEED 12 | DRILLING TIME 12 |

| | | | | | | | | |
|--------------------------|-------------------------|----------------------|----------------------|------------------------------|--------------------------------|---|-----------------------------|----------------------------|
| WELL DEPTH 624 | WELL NO. 4515 | STANDARD 1 | PLUG NO. 1 | DRILLING METHOD LC | DRILLING FLUID WATER | DRILLING EQUIPMENT SHUREHAMMER F2X150 | DRILLING SPEED 12 | DRILLING TIME 12 |
|--------------------------|-------------------------|----------------------|----------------------|------------------------------|--------------------------------|---|-----------------------------|----------------------------|

DRILLING COMPANY NAME
19/10/94

WELL NAME & NO.
LOYANG #1A

OPERATOR
RURAL WATER CORPORATION

TOOL PUSHER
L. DEVAZIMO

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|-----------------------------------|---------------------------------|
| 1. DRILLING | 11 | DRILLING ASSEMBLY | BIT NO. 4 | TIME |
| 2. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. 8 1/2" | HEIGHT |
| 3. CLEANING | 1 | DRILLING ASSEMBLY | BIT NO. VARIA | PRESSURE (LBS/IN ²) |
| 4. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. 6115 | FOOT SAC |
| 5. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. 58951 | FEET |
| 6. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. 203 | FEET |
| 7. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. 188 | FEET |
| 8. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. 15 | FEET |
| 9. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. 6 | FEET |
| 10. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. 1111 | FEET |
| 11. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. KMCHN 10 BAR. 200 | FEET |
| 12. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. SBICARD 10 KCL 10. | FEET |
| 13. CONNECTION | 1 | DRILLING ASSEMBLY | BIT NO. ERMD. 2 | FEET |
| 14. PUMP | 1 | DRILLING ASSEMBLY | BIT NO. GILL 2. | FEET |

| FOOTAGE | TIME | FORMATION | DEVIATION RECORD |
|-----------|-------|--|------------------|
| 0000 0100 | 1 | WAIT ON CEMENT | |
| 0100 0200 | 1 | R.I.H. + TAG CEMENT AT 164m. | |
| 0200 0400 | 2 | DRESS OFF CEMENT TO 188m. | |
| 0400 0430 | 1/2 | CIRCULATE - DISPLACE HOLE TO MUD | |
| 0430 0500 | ± | P. O. H | |
| 0500 0700 | 2 | MAKE UP 8 1/2" HIGH OFF ASSEMBLY + DYNADRILL | |
| 0700 0730 | ± | TAG TOP OF CEMENT AT 188m, BREAK CIRC. | |
| 0730 1200 | 4 1/2 | BEGIN SIDETRACK DRILL FROM 188 TO 203m, UNABLE TO MAKE CONNECTION. HOLE CAVING, REAM TIGHT HOLE. | |

| DRIVER | DRILLER | WELL NO. | NAME |
|--------|---------|----------|-------------------|
| | | | S. TURNER |
| | | | S. BROOKER |
| | | | T. HESWAIN |
| | | | G. WAGG |
| | | | H. BYRON |
| | | | B. EAST |

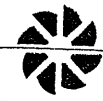
| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|---------------------|------------|
| 1 | DRILLING ASSEMBLY | BIT NO. 182m | FORMATION |
| 2 | DRILLING ASSEMBLY | BIT NO. 1200 | FORMATION |
| 3 | DRILLING ASSEMBLY | BIT NO. 1300 | FORMATION |
| 4 | DRILLING ASSEMBLY | BIT NO. 1400 | FORMATION |
| 5 | DRILLING ASSEMBLY | BIT NO. 1530 | FORMATION |
| 6 | DRILLING ASSEMBLY | BIT NO. 1600 | FORMATION |
| 7 | DRILLING ASSEMBLY | BIT NO. 1700 | FORMATION |
| 8 | DRILLING ASSEMBLY | BIT NO. 1800 | FORMATION |
| 9 | DRILLING ASSEMBLY | BIT NO. 1970 | FORMATION |
| 10 | DRILLING ASSEMBLY | BIT NO. 2000 | FORMATION |
| 11 | DRILLING ASSEMBLY | BIT NO. 2030 | FORMATION |
| 12 | DRILLING ASSEMBLY | BIT NO. 2600 | FORMATION |

| TIME | FORMATION | DEVIATION RECORD |
|-----------|-----------|---|
| 1200 1330 | 1 1/2 | REAM TIGHT HOLE WITH DH MOTOR |
| 1330 1400 | ± | PULL BACK TO 191m + CIRCULATE. |
| 1400 1530 | 1 1/2 | P.O.H., CLEAN & LAY DOWN DYNA DRILL. |
| 1530 1600 | ± | R.I.H. OPERATED TO 203m. |
| 1600 1700 | 1 | MIX - PUMP C3 SL CEMENT (146 @ 203m. CIRCULATE 16min) |
| 1700 1800 | 1 | CONDUCT HESITANT DRILLAGE, 8 GAL, 225 PSI. |
| 1800 1970 | 1 1/2 | SHUT IN WELL |
| 1970 2000 | ± | P. O. H |
| 2000 2030 | ± | FINISHED PIPE + CHECK MANIFOLDS. |
| 2030 2600 | 3 1/2 | WAIT ON CEMENT. |

| DRIVER | DRILLER | WELL NO. | NAME |
|--------|---------|----------|--------------------|
| | | | D. WHITE |
| | | | A. DICKSON |
| | | | G. BARTLETT |
| | | | T. RYANOLDS |
| | | | R. WHITE |
| | | | G. BARTLETT |
| | | | G. KINGWILL |
| | | | L. DEVAZIMO |
| | | | J. PRINCE |

RE-WRITTEN REPLACEMENT COPY FOR LOST ORIGINAL.
 DATE FROM CAPITAL ENERGY DDR.

DAILY DRILLING REPORT REPORT NO. 11



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. 1 API WELL NUMBER 104-YANG 1 S.T. DATE 18.10.94
 OPERATOR CAPM ENERGY N.A. CONTRACTOR RURAL WATER CORPORATION
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: *Samuel Skellern* SIGNATURE OF CONTRACTOR'S TOOLPUSHER: *Ken Jeddhamo*
 RIG NO. 4
 PUMP NO. 2 PUMP MANUFACTURER GARDNER DENVER TYPE FRZ 280 STROKE LENGTH 12
 GRADE 6 1/8 TYPE 4 1/2" STAINING NO. 1

WIRE LINE RECORD
 SIZE 2 1/4 NAME 47 N NO. JOINTS 151025 3.5 10.75
 PRESENT LENGTH: _____
 WIRE LINE RECORD NO. _____

DRILLING CREW PAYROLL DATA
 DATE 18.10.94
 WELL NAME & NO. 104-YANG 1 S.T.
 COMPANY CAPM ENERGY
 TOOLPUSHER RONNIE ANDERSSON

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|-------------------------------|-------|-------|-------------------|------|------------|--------|-------------------|----------|
| OPERATION | HOURS | MIN | BIT NO. | SIZE | TIME | WEIGHT | PRESSURE GRADIENT | VISC SEC |
| START UP AND TRIP DOWN | | | | | 04:00 | 9.2 | | |
| TRIP ACTUAL | | | | | | | | |
| TRIP TESTING | | | | | | | | |
| TRIP CIRCULATING | | | | | | | | |
| TRIP POSITION HOLD & RECULATE | 2 1/2 | 1/2 | | | | | | |
| TRIP TRIPS | 2 | 2 1/2 | | | | | | |
| LUBRICATE RIG | | | | | | | | |
| TRIP RIG | | | | | | | | |
| TRIP OFF | | | | | | | | |
| TRIP TRIP LINE | | | | | | | | |
| TRIP SURVEY | | | | | | | | |
| TRIP WIRE LINE LOGS | | | | | | | | |
| TRIP CASING & CEMENT | | | | | | | | |
| TRIP ON CEMENT | 7 | 8 1/2 | | | | | | |
| TRIP MAKE UP BOP | | | | | | | | |
| TRIP TEST BOP | | | | | | | | |
| TRIP STEW TEST | | | | | | | | |
| TRIP BOP | 1/2 | 1/2 | | | | | | |
| TRIP FREE CEMENT | | | | | | | | |
| TRIP TRIP | | | | | | | | |
| TRIP TRIP | | | | | | | | |

| FOOTAGE | | FORMATION | | DEVIATION RECORD | |
|---------|------|-----------|------|------------------|------|
| FROM | TO | DEPTH | DIR. | DEPTH | DIR. |
| 0600 | 0530 | 5 1/4 | 13 | | |
| 0530 | 0600 | 1/2 | 6 | | |
| 0600 | 0830 | 2 1/2 | 5 | | |
| 0830 | 0900 | 1/2 | 17 | | |
| 0900 | 0930 | 1/2 | 6 | | |
| 0930 | 1030 | 1 | 6 | | |
| 1030 | 1200 | 1 1/2 | 13 | | |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:
 R.I.H WITH OPEN DOUBLE PIPE AND TAGGED T.O.C @ 107.6m
 CIRC WHILE HOLDING UNIT BEING REPAIRED.
 SET PLUG 633XS CNT 16.00PPG WITH 1 1/2% GCL
 PULL BACK 30m THEN CIRC CLEAN.
 W.A.P.P. (POH AND FLUSHED) KILL & CHOKO LINE AND BOP.
 W.O.C.

NIGHT TOUR

| CREW | SOC. SEC. NO. | NAME |
|------------|---------------|-----------------|
| DRILLER | | SCOTT TURNER |
| DRAWER | | SILVIAN REEDNER |
| MTRMAN | | IAN MILESMAIN |
| WELDER | | GARRY EAST |
| FLAMAN | | GARY WEGG |
| FLAMAN | | |
| FLAMAN | | |
| CHANE SUP. | | WAYNE BARTLETT |
| MECHANIC | | CLON KINCISELL |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | |

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|-------------------------------|-------|-----|-------------------|------|------------|--------|-------------------|----------|
| OPERATION | HOURS | MIN | BIT NO. | SIZE | TIME | WEIGHT | PRESSURE GRADIENT | VISC SEC |
| START UP AND TRIP DOWN | | | | | 16:00 | 4.1 | | |
| TRIP ACTUAL | | | | | | | | |
| TRIP TESTING | | | | | | | | |
| TRIP CIRCULATING | | | | | | | | |
| TRIP POSITION HOLD & RECULATE | | | | | | | | |
| TRIP TRIPS | | | | | | | | |
| LUBRICATE RIG | | | | | | | | |
| TRIP RIG | | | | | | | | |
| TRIP OFF | | | | | | | | |
| TRIP TRIP LINE | | | | | | | | |
| TRIP SURVEY | | | | | | | | |
| TRIP WIRE LINE LOGS | | | | | | | | |
| TRIP CASING & CEMENT | | | | | | | | |
| TRIP ON CEMENT | | | | | | | | |
| TRIP MAKE UP BOP | | | | | | | | |
| TRIP TEST BOP | | | | | | | | |
| TRIP STEW TEST | | | | | | | | |
| TRIP BOP | | | | | | | | |
| TRIP FREE CEMENT | | | | | | | | |
| TRIP TRIP | | | | | | | | |
| TRIP TRIP | | | | | | | | |

| FOOTAGE | | FORMATION | | DEVIATION RECORD | |
|---------|------|-----------|------|------------------|------|
| FROM | TO | DEPTH | DIR. | DEPTH | DIR. |
| 1200 | 1400 | 2 | 13 | | |
| 1400 | 1500 | 1 | 6 | | |
| 1500 | 1530 | 1/2 | 6 | | |
| 1530 | 1600 | 1/2 | 17 | | |
| 1600 | 1630 | 1/2 | 6 | | |
| 1630 | 1700 | 1/2 | 5 | | |
| 1700 | 1730 | 1/2 | 6 | | |
| 1730 | 1900 | 1 1/2 | 13 | | |
| 1900 | 2400 | 5 | 13 | | |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:
 N.O.C.
 R.I.H WITH BIT TAG T.O.C 187m - P.O.H.
 R.I.H OPEN PIPE TO 182m WASH TO 187m.
 PULLED BACK TO 160m.
 CIRCULATE CLEAN
 P.O.H THEN FLUSHED BOP.
 W.O.C.

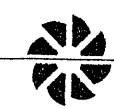
DAY TOUR

| CREW | SOC. SEC. NO. | NAME |
|------------|---------------|------------------|
| DRILLER | | DENNIS WHITE |
| DRAWER | | ANDREW DICKSON |
| MTRMAN | | ANTHONY REYNOLDS |
| WELDER | | GRAHAM BARTLETT |
| FLAMAN | | RICHARD WHITE |
| FLAMAN | | HENRY BRYON |
| FLAMAN | | |
| CHANE SUP. | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | JOHN PRINCETON |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

\$39236

DAILY DRILLING REPORT REPORT NO. 10

 **DRILLING SERVICES**
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|--|---|
| WELL NO. 1 | API WELL NUMBER LEY YANG | DATE 17.10.84 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | RIG NO. L |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Garriel Shields</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Alex Delvathano</i> |
| WELL SIZE | WELL GRADE | TOOL JOBS |
| WELL TYPE | WELL THROAT | STRING NO. |
| PUMP NO. | PUMP MANUFACTURER | TYPE |

FILE NO. **124** COUNTY **GIPPSLAND** STATE **VICTORIA**

WIRE LINE RECORD: HELL NO. _____

| | | | | | |
|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| SIZE | W. & G.P. | NO. JOINTS | FEET | NO. JOINTS | FEET |
| 2 1/2 | 17N | 15 | 178-25 | 3-5 | 181-75 |
| LAST CASING TUBING OF LINE | LAST CASING TUBING OF LINE | LAST CASING TUBING OF LINE | LAST CASING TUBING OF LINE | LAST CASING TUBING OF LINE | LAST CASING TUBING OF LINE |
| 2 1/2 | 17N | 15 | 178-25 | 3-5 | 181-75 |
| 7/8 | 16 | 6 | FT 80 | | |

DRILLING CREW PAYROLL DATA
 DATE: **17.10.84**

WELL NAME & NO.: **LEY YANG 1**

COMPANY: **CAPITAL ENERGY NL**

TOOL PUSHER: **BERNIE ANDERSON**

NO. 10

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------------------|---------------------------|-------|-------------------|----------|------------|------|------------|------|
| CODE | OPERATION | HOURS | NO. | ASSEMBLY | BIT NO. | TIME | WEIGHT | W.C. |
| 1 | RIG UP AND TEST DOWN | | | | | | 1100 | |
| 2 | DRILL ACTUAL | | | | | | 4.2 | 1-10 |
| 3 | REAMING | | | | | | | |
| 4 | DRILLING | | | | | | 4.7 | |
| 5 | CONDITION MUD & CIRCULATE | | | | | | 19/10 | |
| 6 | TRIPS | | | | | | 3/5 | |
| 7 | UBRICATE RIG | | | | | | 4.8 | |
| 8 | REPAIR RIG | | | | | | 4.5 | |
| 9 | CUT OFF DRILLING LINE | | | | | | 5.2 | |
| 10 | DEVIATION SURVEY | | | | | | | |
| 11 | WIRE LINE LOGS | | | | | | | |
| 12 | PLUG CASING CEMENT | | | | | | | |
| 13 | WAIT ON CEMENT | | | | | | | |
| 14 | WAPLE UP BOP | | | | | | | |
| 15 | "YES" B.C.P. | | | | | | | |
| 16 | DAILY STEAM TEST | | | | | | | |
| 17 | P.LUG BACK | | | | | | | |
| 18 | SQUEEZE CEMENT | | | | | | | |
| 19 | FINISHING | | | | | | | |
| 20 | DR. WORK | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |

| FOOTAGE | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------|--------|-------------------|-------------------|----------|------------|------|------------|------|
| TIME | START | END | NO. | ASSEMBLY | BIT NO. | TIME | WEIGHT | W.C. |
| | 322.84 | TD OF 8 1/2" HOLE | | | | | | |
| 0000 | 0230 | 2.5 | 11 | | | | | |
| 0230 | 0300 | 0.5 | 11 | | | | | |
| 0300 | 0400 | 1 | 6 | | | | | |
| 0400 | 0700 | 3 | 6 | | | | | |
| 0700 | 0730 | 0.5 | 5 | | | | | |
| 0730 | 1200 | 4.5 | 19 | | | | | |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

- 0000 0230 2.5 11 FIRED BACK OFF AT 220.77m - 218m.
- 0230 0300 0.5 11 RIGGED DOWN SCHUMBERGER.
- 0300 0400 1 6 P.O.H WITH PIPE TOP OF FISH AT 236m.
- 0400 0700 3 6 MADE UP BHA WITH BUMPER SUB & JAR PICKED UP 8" & 6" DRILL COLLARS AND R.I.H.
- 0700 0730 0.5 5 RESISTANCE AT 208m - PICKED UP KELLY AND WASH TO TOP OF FISH @ 236m.
- 0730 1200 4.5 19 SUREN INTO FISH THEN WORKED STRING WITH JARS AND BUMPER SUBS - NEGATIVE RESULT IN FREEING STRING.

| NIGHT TOUR | | |
|------------|-------------|----------------|
| CREW | SOC SEC NO. | NAME |
| DRILLER | | SCOTT TURNER |
| DRAWMAN | | SYLVAN BROOKER |
| ATTENDANT | | IAN MEBURN |
| FIREMAN | | GERRAD HAND |
| FLAMAN | | GARY WIGGS |
| FLAMAN | | |
| CRANE SUIP | | WAINE BARRETT |
| MECANIC | | GLEN KING |
| WELDER | | |
| INSTABOY | | |
| INSTABOY | | |
| TRAMER | | |

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------------------|-------------------------------------|-------|-------------------|----------|------------|------|------------|------|
| CODE | OPERATION | HOURS | NO. | ASSEMBLY | BIT NO. | TIME | WEIGHT | W.C. |
| 1 | PERF IN | | | | | | | |
| 2 | TBG TRIPS | | | | | | | |
| 3 | TREATING | | | | | | | |
| 4 | SWABBING | | | | | | | |
| 5 | TESTING | | | | | | | |
| 6 | ADDIT IN | | | | | | | |
| 7 | | | | | | | | |
| 8 | WORK TIME SUMMARY (OFFICE USE ONLY) | | | | | | | |
| 9 | W.C. CONTROL DP | | | | | | | |
| 10 | W.C. WORK DP | | | | | | | |
| 11 | W.C. OFF | | | | | | | |
| 12 | STANDBY | | | | | | | |
| 13 | | | | | | | | |
| 14 | DR. WORK | | | | | | | |
| 15 | | | | | | | | |
| 16 | | | | | | | | |
| 17 | | | | | | | | |
| 18 | | | | | | | | |
| 19 | | | | | | | | |
| 20 | | | | | | | | |
| 21 | | | | | | | | |
| 22 | | | | | | | | |

| FOOTAGE | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------|-------|-----|-------------------|----------|------------|------|------------|------|
| TIME | START | END | NO. | ASSEMBLY | BIT NO. | TIME | WEIGHT | W.C. |
| 1200 | 1330 | 1.5 | 5 | | | | | |
| 1330 | 1530 | 2 | 6 | | | | | |
| 1530 | 1600 | 0.5 | 6 | | | | | |
| 1600 | 1700 | 1 | 17 | | | | | |
| 1700 | 1730 | 0.5 | 5 | | | | | |
| 1730 | 240 | 6.5 | 13 | | | | | |

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

- 1200 1330 1.5 5 BACK OFF OF FISH THEN CIRCULATED WITH HEAVY MUD.
- 1330 1530 2 6 P.O.H LAD OUT 8" DE^s - BUMPER SUB
- 1530 1600 0.5 6 R.I.H WITH OPEN ENDED DRILL-PIPE.
- 1600 1700 1 17 SET CEMENT PLUG FROM 236m
- 1700 1730 0.5 5 PULLED BACK 39TDS THEN CIRCULATED (CEMENT RETURNED) 174m
- 1730 240 6.5 13 P.O.H - H.O.C - WASHED OUT BOP & COCK LINES.

| DAY TOUR | | |
|------------|-------------|------------------|
| CREW | SOC SEC NO. | NAME |
| DRILLER | | JANNIE WHITE |
| DRAWMAN | | ANDREW DICKSON |
| ATTENDANT | | ANTHONY REYNOLDS |
| FIREMAN | | GARRETT BARRETT |
| FLAMAN | | RICHARD WHITE |
| FLAMAN | | HENRY BRYON |
| CRANE SUIP | | |
| MECANIC | | |
| WELDER | | |
| INSTABOY | | |
| INSTABOY | | |
| TRAMER | | DAVID PRINCETON |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT NO. **9**



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|--|---|---|
| WELL NO. 1 | API WELL NUMBER LOU YANG | DATE 16.10.94 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | REG NO. 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>[Signature]</i> | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>[Signature]</i> |
| WELL SIZE 4 1/2" | WELL TYPE 10 7.5 Alum | GRADE 6 3/8" 4 1/2" |
| PUMP NO. 2 | | NATIONAL |
| PUMP MANUFACTURER GARDNER DENVER | | TYPE FXZ |
| STROKE LENGTH 12" | | |

| | | |
|--------------------------------|-------------------------|------------------------------|
| WELL NAME & NO. PEP 124 | STATE VICTORIA | WHERE LINE RECORDED |
| LAST CASING TUBING ON LINER | SIZE 2 1/4" | WT & GRADE ATN 15 |
| | NO. OF JOINTS 15 | REF. 17525 3'S 181.75 |
| | CURVE 6 F 11 | NO. LINES |
| | | NO. SLIPPED |

DRILLING CREW PAYROLL DATA No. **9**

DATE **16. OCTOBER 1994**

WELL NAME & NO. **LOU YANG "1"**

COMPANY **CAPITAL ENERGY**

TOOL PUSHER **BERNIE ANDERSON**

| TIME DISTRIBUTION - HOURS | NO. | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-----|-------------------|------------|------------|
| DRILLING | | | | |
| TRIPPING | | | | |
| CHEMICALS | | | | |
| TOTAL | | | | |

| TIME | FOOTAGE | DR. L. REC. C | CURVE | FORMATION | ROTARY | ON BIT | PUMP PRESS | PUMP HC | PUMP HC | METHOD |
|-----------|---------|---------------|-------|-----------|--------|--------|------------|---------|---------|--------|
| 0000-0300 | 322.84m | | | | | | | | | |
| 0300-0700 | | | | | | | | | | |
| 0700-1200 | | | | | | | | | | |

DEVIATION RECORD

DEPTH: **311** DEL: **1°** DIRECTION:

TIME LOG

ELAPSED TIME: **3** CODE NO: **21**

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

0000 0300 3 21 MIXED AND SPOTTED 35 BBL PUL OF EZ SPT LUBRICANT. CONT TO JAR AND WORK PIPE

0300 0700 4 21 WAITED ON DAYLIGHT AND INSPECTED DERRICK BEFORE CONTINUING TO WORK STRING AND JARRING.

0700 1200 5 21 NEGATIVE PIPE MOVEMENT WHEN BEGAN JARRING.

| NIGHT TOUR P.M. | | | |
|-----------------|------------|----------------|----|
| CREW | SOC SEC NO | NAME | HR |
| DRILLER | | SCOTT TURNER | 17 |
| DRAWMAN | | SULVAN BROOKER | 17 |
| ATTENDANT | | IAN McSWAIN | 17 |
| TRAMMER | | GERRARD HAND | 17 |
| WELDER | | GARY NIGG | 17 |
| CHANE SUPT | | WAYNE BARTLETT | 17 |
| MECHANIC | | GLENN KINGWELL | 17 |

| DAY TOUR A.M. | | | |
|---------------|------------|------------------|----|
| CREW | SOC SEC NO | NAME | HR |
| DRILLER | | JENNIE WHITE | 17 |
| DRAWMAN | | ANDREW DICKSON | 17 |
| ATTENDANT | | ANTHONY REYNOLDS | 17 |
| TRAMMER | | GRAHAM BARTLETT | 17 |
| WELDER | | RICHARD SMITH | 17 |
| CHANE SUPT | | HENRY BRYON | 17 |
| MECHANIC | | JOHN PRINCE JON. | 17 |

| | | | |
|--|------------|---------------------------------------|------|
| OPERATOR | WELL NO. | API WELL NUMBER | DATE |
| CONTRACTOR | CONTRACTOR | REG NO. | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER | |
| WELL SIZE | WELL TYPE | GRADE | |
| PUMP NO. | NATIONAL | PUMP MANUFACTURER | TYPE |
| STROKE LENGTH | | | |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER | |
| WELL SIZE | WELL TYPE | GRADE | |
| PUMP NO. | NATIONAL | PUMP MANUFACTURER | TYPE |
| STROKE LENGTH | | | |

| TIME | FOOTAGE | DR. L. REC. C | CURVE | FORMATION | ROTARY | ON BIT | PUMP PRESS | PUMP HC | PUMP HC | METHOD |
|-----------|---------|---------------|-------|-----------|--------|--------|------------|---------|---------|--------|
| 1200-1330 | 322.84m | | | | | | | | | |
| 1330-1900 | | | | | | | | | | |
| 1900 | | | | | | | | | | |
| 1900-2400 | | | | | | | | | | |

DEVIATION RECORD

DEPTH: DEL: DIRECTION:

TIME LOG

ELAPSED TIME: **3.5** CODE NO:

DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS:

1200 1330 3.5 AWAITED ARRIVAL OF SCHLUMBERGER.

1330 1900 3.5 RIGGED UP SCHLUMBERGER. THEN RAN FREE POINT LOCATOR. ESTABLISH FREEPOINT @ I 238m ATTEMPT TO BACK OFF @ 242m WITH STRING SHOT THEN AT 236m - STRING BACKED OFF RULLED BACK TO. 208m 231m THEN STRING BECAME STICK AGAIN

1900

1900-2400 -5

| DAY TOUR A.M. | | | |
|---------------|------------|------------------|----|
| CREW | SOC SEC NO | NAME | HR |
| DRILLER | | JENNIE WHITE | 17 |
| DRAWMAN | | ANDREW DICKSON | 17 |
| ATTENDANT | | ANTHONY REYNOLDS | 17 |
| TRAMMER | | GRAHAM BARTLETT | 17 |
| WELDER | | RICHARD SMITH | 17 |
| CHANE SUPT | | HENRY BRYON | 17 |
| MECHANIC | | JOHN PRINCE JON. | 17 |



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: 1 DATE: 15/10/94
API WELL NUMBER: LU Y YANG
CONTRACTOR: RURAL WATER CORPORATION
OPERATOR: CAPITAL ENERGY NL
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

| SIZE | WT | GRADE | TYPE | THREAD | STRING NO | PUMP NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|------|-------|-------|-------|--------|-----------|---------|-------------------|---------|---------------|
| 105 | 10.15 | ALUM | 6 1/2 | API X | 1 | 1 | GARDNER DENVER | FX 2 | 12" |
| | | | | | 2 | 2 | NATIONAL | KST 280 | 17" |

WIRE LINE RECORD

| SIZE | WT | GRADE | TYPE | THREAD | STRING NO | PUMP NO | PUMP MANUFACTURER | TYPE | STROKE LENGTH |
|------|-----|-------|--------|--------|-----------|---------|-------------------|------|---------------|
| 24 | 17N | 15 | 18 1/2 | 3-5 | 181-75 | | | | |

DRILLING CREW PAYROLL DATA
DATE: 15/10/94
WELL NAME & NO: LU Y YANG 1
COMPANY: CAPITAL ENERGY
TOOL PUSHER: BERNIE ANDERSON

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----------|-------------------|---------------|--------------|
| DRILLING | 26m | -23 FT | BIT NO: 3 | TIME: 0600 |
| WARR | 1:38 | SIZE: 216 | WEIGHT: 9.3 | |
| WARR | 40 | CC: -52 FT | MFC: VAREL | |
| POW DC | 4:39 | FT | TYPE: L117 | VISC SEC: 48 |
| 1 | 8 1/2 CC | 1:22 | JETS: 212/2 | PL: 14/21 |
| 1 | 6 1/2 CC | 9:41 | SEP NO: 63180 | CEL: 4/7 |
| 1 | 8 1/2 CC | 1:29 | DEPTH: 218 | W. CC: 10.3 |
| 9 | 6 1/2 DC | 8:29 | DEPTH: 218 | W. CC: 10.0 |
| 1 | JAR | 9:80 | TOTAL: 8 1/2 | |
| 2 | DE | 18:03 | | |
| 6 | HWD | 55:73 | | |
| | H/O | 45 | | |

| FOOTAGE | FORMATION | W. ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|-----------|-----------|------------|-----------|-----------|--------|
| 243 | 252m D. | 100 | 5 | 1000 | | P |
| 252m | 276m D. | 100 | 5 | 1000 | | P |

| TIME | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|--------------|---------|---|
| 00:00 | 01:00 | 1 | 8 CHANGED OUT FILTER ON RIG ENG TURB CONV. |
| 01:00 | 05:00 | 4 | 3 REAMED FROM 185m TO 203m. |
| 05:00 | 06:30 | 1 1/2 | 2 DRILLETTS 216mm FROM 243m - 252m. |
| 06:30 | 07:00 | 1/2 | 5 CIRC. AND WORK PIPE |
| 07:00 | 07:30 | 1/2 | 10 MADE UP SURVEY AIR DRIVE SHAFT BROKEN. |
| 07:30 | 12:00 | 4 1/2 | 2 DRILLED 216mm HOLE FROM 252m - 276m. |

NIGHT TOUR

| DRILLER | SOCC SEC NO | NAME |
|------------|-------------|----------|
| DRILLER | SCOTT | TURNER |
| DIVEMAN | SYLAIN | BROWER |
| MTRMAN | IAN | MENAIN |
| FIREMAN | GERRARD | HAND |
| FIREMAN | GARY | WIGG |
| FIREMAN | | |
| FIREMAN | | |
| CRANE SUPT | WAYNE | BARTLETT |
| MECHANIC | GLEN | KING JEL |
| WELDER | | |
| RESTABOUT | | |
| RESTABOUT | | |
| TANKER | | |

| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|--------|-------------------|-------------|---------------|
| 8 | 26m -23 FT | BIT NO: 3 | TIME: 1500 |
| WARR | 1:38 | SIZE: 216mm | WEIGHT: 9.4 |
| WARR | 40 | CC: -52 FT | MFC: VAREL |
| POW DC | 4:39 | FT | TYPE: L117 |
| 1 | 8 1/2 CC | 1:22 | JETS: 212/2 |
| 1 | 6 1/2 CC | 9:44 | SEP NO: 63180 |
| 1 | 8 1/2 CC | 1:29 | DEPTH: 218 |
| 9 | 6 1/2 DC | 8:29 | DEPTH: 218 |
| 1 | JAR | 9:80 | TOTAL: 104.84 |
| 2 | DE | 18:03 | |
| 6 | HWD | 55:73 | |
| | H/O | 45 | |

MUD & CHEMICALS ADDED

| TIME | AMT | TYPE | AMT |
|------------|-----|------|-----|
| CINCH | 7 | DETR | 1 |
| S-BAR | 8 | KEL | 146 |
| DRY-EZ mud | 10 | BAR | 40 |
| | | CEL | 140 |
| | | CAUS | 1 |

| FOOTAGE | FORMATION | W. ON BIT | PUMP PRESS | PUMP NO 1 | PUMP NO 2 | METHOD |
|---------|-----------|-----------|------------|-----------|-----------|--------|
| 276m | 322.84 D | 100 | 5 | 1000 | | P |

| TIME | ELAPSED TIME | CODE NO | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS |
|-------|--------------|---------|--|
| 12:00 | 20:30 | 8 1/2 | 2 DRILLED 216mm HOLE FROM 276m TO 322.84 |
| 20:30 | 21:00 | 1/2 | 5 CIRCULATED HOLE CLEAN AND WORKED STRING |
| 21:00 | 21:30 | 1/2 | 10 TAKE WIRE-LINE SURVEY ROTATED PIPE SLOWLY |
| 21:30 | 24:00 | 2 1/2 | 21 ATTEMPTED TO P.O.H FOR BIT CHANGE. DRILL STRING STUCK AND UNABLE TO CIRCULATE WORKED STRING AND JARRED STRING FROM 311m TO 308. |

DAY TOUR

| DRILLER | SOCC SEC NO | NAME |
|------------|-------------|-----------|
| DRILLER | DENNIS | WHITE |
| DIVEMAN | ANDREW | DIERSON |
| MTRMAN | ANTHONY | REYNOLDS |
| FIREMAN | GRAHAM | BARTLETT |
| FIREMAN | RICHARD | WHITE |
| FIREMAN | HENRY | BRYON |
| FIREMAN | | |
| FIREMAN | | |
| CRANE SUPT | | |
| MECHANIC | | |
| WELDER | | |
| RESTABOUT | | |
| RESTABOUT | | |
| TANKER | | |
| | JOHN | PRINCETON |

WELL NO: **1** DATE: **14-10-94**
 OPERATOR: **CAPITAL ENERGY N.L.** CONTRACTOR: **RURAL WATER CORPORATION**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE: **Robbie Smith** SIGNATURE OF CONTRACTOR'S TOOLPUSHER: **Lou McWilliam**

DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123



FIELD NO: **124** LOCALITY: **GIPOPSLAND** STATE: **VICTORIA**
 WIRE LINE RECORD REF. NO. _____
 LAST CASING LUBING OIL LITER: **204** WIRE LINE RECORD REF. NO. _____
 SIZE: **202** MAKE: **R** NO JOINTS: **15** FEET: **17025** MADE TO ORDER: **3-5** SET AT: **181.75**

DRILLING CREW PAYROLL DATA
 DATE: **14.10.94**
 WELL NAME & NO: **LOY YANG - 2**
 COMPANY: **CAPITAL ENERGY**
 TOOLPUSHER: **BERNE ANDERSEN**

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | | | BIT RECORD | | | | MUD RECORD | | | |
|---------------------------|-------|-----|-------------------|------|------|-----|------------|-----|-----|-----|------------|-----|-----|-----|
| OPERATION | HOURS | MIN | FEET | TYPE | SIZE | WGT | WGT | WGT | WGT | WGT | WGT | WGT | WGT | WGT |
| START UP AND CLEAN DOWN | | | | | | | | | | | | | | |
| DRILLING | 20 | | | | | | | | | | | | | |
| TRIP | 5 | | | | | | | | | | | | | |
| REPAIR | 3 | | | | | | | | | | | | | |

| FOOTAGE | | DEVIATION RECORD | | FORMATION | |
|---------|------|------------------|-----|-----------|-----|
| FROM | TO | DEPTH | DEL | DEPTH | DEL |
| 0000 | 0200 | | | | |
| 0200 | 0330 | | | | |
| 0330 | 0500 | | | | |
| 0500 | 0800 | | | | |
| 0800 | 0830 | | | | |
| 0830 | 1000 | | | | |
| 1000 | 1200 | | | | |

NIGHT TOUR P.M.

| CREW | SOC | SEC | NC | NAME | HRS |
|---------|---------|---------|----|------|-----|
| DRILLER | SCOTT | TURNER | 12 | | |
| DRAWMAN | SYLIVAN | BECKER | 12 | | |
| MTRMAN | IAN | MCENAIR | 12 | | |
| FLRMAN | GERHARD | HAND | 12 | | |
| FLRMAN | CARY | HIGGS | 12 | | |

| PERF DATA | | | DRILLING ASSEMBLY | | | | BIT RECORD | | | | MUD RECORD | | | |
|-----------|-------|-----|-------------------|------|------|-----|------------|-----|-----|-----|------------|-----|-----|-----|
| PERF DATA | HOURS | MIN | FEET | TYPE | SIZE | WGT | WGT | WGT | WGT | WGT | WGT | WGT | WGT | WGT |
| TRIP | 1-38 | | | | | | | | | | | | | |
| TRIP | 4-39 | | | | | | | | | | | | | |
| TRIP | 9-41 | | | | | | | | | | | | | |

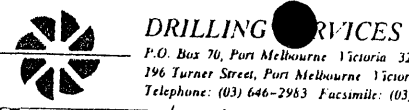
| FOOTAGE | | DEVIATION RECORD | | FORMATION | |
|---------|------|------------------|-----|-----------|-----|
| FROM | TO | DEPTH | DEL | DEPTH | DEL |
| 0200 | 1300 | | | | |
| 1300 | 1530 | | | | |
| 1530 | 1700 | | | | |
| 1700 | 1800 | | | | |
| 1800 | 1900 | | | | |
| 1900 | 2100 | | | | |
| 2100 | 2400 | | | | |

DAY TOUR A.M.

| CREW | SOC | SEC | NC | NAME | HRS |
|---------|---------|-----------|----|------|-----|
| DRILLER | DENNIS | WHITE | 12 | | |
| DRAWMAN | ANDREW | NICKERSON | 12 | | |
| MTRMAN | ANTHONY | REYNOLDS | 12 | | |
| FLRMAN | GRANT | BARTLET | 12 | | |
| FLRMAN | RICHARD | WHITE | 12 | | |
| FLRMAN | HENRY | BRYON | 12 | | |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

DAILY DRILLING REPORT REPORT NO. **6**



DRILLING SERVICES
 P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1** AP/WELL NUMBER **LOU YANG "I"** DATE **13.10.94**
 OPERATOR **PEP 124** CONTRACTOR **RURAL WATER CORPORATION** FIG NO. **4**
 SIGNATURE OF OPERATOR'S REPRESENTATIVE **Robert Skelton**
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER **Ken Venter**
 WIRE LINE LOGS: **10.75 ALUM ALIF 618**
 PUMP NO. **2** PUMP MANUFACTURER **GARDNER DENVER** TYPE **FXZ** STROKE LENGTH **12"**
 NATIONAL **KSA280 12"**

FIELD NO. **EP 124** **GLISLAND** **VICTORIA** WIRE LINE RECORD HELL NO.
 SIZE **217** NAME **BURT** WT & LH **47 KG** NC JOINTS **15** HOB IC **3.5** SE AT **18.75**
 LAST CASING TUBING ON LINE

DRILLING CREW PAYROLL DATA
 DATE **13.10.94**
 WELL NAME & NO. **LOU YANG "I"**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **BRENIE ANDERSON**

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | | BIT RECORD | | | MUD RECORD | | |
|---------------------------|-------|-----|-------------------|------|--------|------------|--------|------|------------|------|--------|
| OPERATION | HOURS | MIN | BIT NO. | SIZE | WEIGHT | TIME | WEIGHT | TIME | WEIGHT | TIME | WEIGHT |
| START UP AND TAP DOWN | | | | | | | | | | | |
| TRIP ACTUAL | | | | | | | | | | | |
| PLANNING | 35 | 3 | | | | | | | | | |
| CORING | | | | | | | | | | | |
| CONDITION MUD & CIRCULATE | 2 | 3 | | | | | | | | | |
| TRIPS | 25 | 25 | | | | | | | | | |
| LUBRICATE RIG | | | | | | | | | | | |
| REPAIR RIG | | | | | | | | | | | |
| CUT OFF DRILLING LINE | | | | | | | | | | | |
| DEVIATION SURVEY | | | | | | | | | | | |
| WIRE LINE LOGS | | | | | | | | | | | |
| WASH CASING & CEMENT | | | | | | | | | | | |
| WAIT ON CEMENT | 35 | 25 | | | | | | | | | |
| TRIP UP BOP | | | | | | | | | | | |
| TEST BOP | | | | | | | | | | | |
| DRILL STEM TEST | | | | | | | | | | | |
| WUE BACK | 5 | | | | | | | | | | |
| SQUEEZE CEMENT | | | | | | | | | | | |
| POURING | | | | | | | | | | | |
| END WORK | | | | | | | | | | | |

| FOOTAGE | | DEPTH | | FORMATION | | DEVIATION RECORD | |
|---------|-------|-------|------|---|------|------------------|------|
| FROM | TO | DEPTH | TIME | DEPTH | TIME | DEPTH | TIME |
| 00:00 | 03:30 | 3 1/2 | 3 | REAM AND WASH F/ 202" - T/ 217" (I.D. OF 311" HOLE) | | | |
| 03:30 | 04:00 | 5 | 5 | CIRC CLEAN WITH HI-VIS PILL | | | |
| 04:00 | 05:30 | 1 1/2 | 6 | P.O.H | | | |
| 05:30 | 06:30 | 1 | 6 | R.I.H WITH OPEN END PIPE TO 217m. | | | |
| 06:30 | 07:00 | 1 1/2 | 5 | CIRC THEN RIG UP HOWCO. | | | |
| 07:00 | 07:30 | 1 1/2 | 17 | SET PLUG #3 FROM 217m TO 195m. | | | |
| 07:30 | 08:30 | 1 | 5 | PULLED BACK TO 170m AND CIRC CLEAN. | | | |
| 08:30 | 12:00 | 3 1/4 | 13 | W.O.C P.O.H WITH OPEN PIPE. | | | |

| NIGHT TOUR | | |
|------------|------------|---------------|
| CREW | DOC SEC NO | NAME |
| DRILLER | | SCOTT TURNER |
| DRAMAN | | SYLVAN BROWER |
| ATTORMAN | | IAN McEWAN |
| FINEMAN | | G HAND |
| FLANMAN | | F WIG |
| FLANMAN | | W BARKETT |
| CHANE SUP | | G KINGWELL |
| MELCHANIC | | |
| WELDER | | |
| RESTABOUT | | |
| TRAMMER | | |

| DRILLING ASSEMBLY | | | BIT RECORD | | | MUD RECORD | | |
|-------------------|-------|--------|------------|--------|------|------------|------|--------|
| BIT NO. | SIZE | WEIGHT | TIME | WEIGHT | TIME | WEIGHT | TIME | WEIGHT |
| 2 RR | 206 | 8.7 | 14:30 | | | | | |
| WARE | 117 | 46 | 17:18 | | | | | |
| 63181 | 63181 | 7:15 | 8:8 | | | | | |
| 217 | | 10:2 | | | | | | |
| 1 | | 2:6 | | | | | | |
| 1 | | | | | | | | |
| W.P. | | | | | | | | |
| 250 | | 14 | | | | | | |
| 13 | | | | | | | | |
| 5 | | | | | | | | |
| 3 | | | | | | | | |

| FOOTAGE | | DEPTH | | FORMATION | | DEVIATION RECORD | |
|---------|-------|-------|------|--|------|------------------|------|
| FROM | TO | DEPTH | TIME | DEPTH | TIME | DEPTH | TIME |
| 217 | 218 | 0 | | | | | |
| 12:00 | 14:30 | 2.5 | 13 | W.O.C | | | |
| 14:30 | 16:00 | 1.5 | 6 | TAGGED T.O.C @ 194m WITH OPEN END PIPE THEN LAID OUT STAM. | | | |
| 16:00 | 17:00 | 1 | 6 | R.I.H WITH 216mm BIT TO 197m. | | | |
| 17:00 | 20:00 | 3 | 3 | DRILL OUT CEMENT FROM 197m TO 217m | | | |
| 20:00 | 21:00 | 1 | 2 | DRILLED 216mm HOLE FROM 217m - 218m. | | | |
| 21:00 | 24:00 | 3 | 5 | PULLED BACK INTO SHOE BECAUSE OF HOLE PROBLEMS DUE TO FILL AND BEGAN CIRC-REAMING AND CLEANING HOLE TO 187m. | | | |

| DAY TOUR | | |
|-----------|------------|-----------|
| CREW | DOC SEC NO | NAME |
| DRILLER | | WHITE |
| DRAMAN | | DAKSON |
| ATTORMAN | | KEITHOLDS |
| FINEMAN | | BARKETT |
| FLANMAN | | WHITE |
| FLANMAN | | BRYON |
| CHANE SUP | | |
| MELCHANIC | | |
| WELDER | | |
| RESTABOUT | | |
| TRAMMER | | |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

6
 \$14847



P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|---|--|--|
| WELL NO. 1 | WELL NAME PEP 124 | DATE 12/10/94 |
| CONTRACTOR RURAL WATER CORPORATION | OPERATOR LOY YANG | CONTRACTOR SIGNATURE: <i>Keen De Vethema</i> |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE: <i>Robert Shedd</i> | CONTRACTOR SIGNATURE: <i>Keen De Vethema</i> | WELL NO. 4 |

| | | |
|------------------|-----------|---------------|
| WIRE LINE RECORD | WELL NO. | DATE |
| SIZE 244mm | NAME BUTT | NO. JOINTS 15 |
| WT. & GR. 47mm | NC 178.25 | 3-5 |
| PRESENT LENGTH | 181.75 | |

DRILLING CREW PAYROLL DATA
 DATE 12/10/94
 WELL NAME & NO. LOY YANG 1
 COMPANY CAPITAL ENERGY
 TOOL PUSHER BERNIE ANDERSON

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|-------|-------------------|-------------|------------|
| OPERATION NIGHT DAY | | | | |
| RIG UP AND EXP. DOWN | | | 2 | |
| DRILL ACTUAL | | | 216mm VAREL | |
| HEAVING | 6 | | 117 | |
| CHANGING | | | 16/16/16 | |
| CONDITION MUD & CIRCULATE | 1/2 | | 63181 | |
| SHOPE | 1/2 | | | |
| LUBRICATE RIG | | | | |
| REPAIR RIG | 1 | | | |
| GET OFF DRILLING LINE | | | | |
| DEVIATION SURVEY | | | | |
| WIRE LINE LOGS | | | | |
| WIRE CASING & CEMENT | | | | |
| WAIT ON CEMENT | 4 1/2 | | | |
| LIFT UP B.O.P. | | | | |
| TEST B.C.P. | | | | |
| CHUCK STEW TEST | | | | |
| CHUCK BACK | 1/2 | | | |
| FREEZE CEMENT | | | | |
| FINISHING | | | | |
| JOB WORK | | | | |

| FOOTAGE | IN. HOPE | CODE NO. | FORMATION | REMARKS |
|---------------|----------|----------|---|---------|
| 00:00 - 05:30 | 5 1/2 | 13 | W.O.C. | |
| 05:30 - 07:00 | 1 1/2 | 6 | R.I.H. W/BIT - TAG T.O.C. @ 190m | |
| 07:00 - 08:00 | 1 | 6 | POOH - R.I.H. OPENENDED TO 190m | |
| 08:00 - 08:30 | 1/2 | 5 | CIRC | |
| 08:30 - 09:00 | 1/2 | 17 | SET PLUG 2" @ 190m w/164 SXS CEMENT | |
| 09:00 - 10:00 | 1 | 6 | PULLED BACK T/160m AND CIRC CLEAN | |
| 10:00 - 12:00 | 2 | 13 | W.O.C. (FLUSHED OUT B.O.P.S, CHOKO MANIFOLD AND SHAKERS WITH WATER) | |

| NIGHT TOUR | P.M. |
|------------------|----------------|
| DRILLER | SCOTT TURNER |
| DRIVER | SYLVAN BLOOMER |
| WITNESS | IAN McSWANEY |
| WELDER | GARRY WIG |
| FLAMAN | GERRARD HANDE |
| FLAMAN | |
| CRANE SUPERVISOR | WAYNE BARTLETT |
| MECHANIC | GLEN KINGWELL |
| WELDER | |
| ROBUST | |
| ROBUST | |
| THAMBE | |

| OPERATION | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|-------------|----|-------------------|-------------|------------|
| PERF. BIT | | | 2 RL | |
| TBC TRIPS | | | 216mm VAREL | |
| TREATING | | | 117 | |
| SWABBING | | | 16/16/16 | |
| TESTING | | | 63181 | |
| ADDIT. N.L. | | | | |
| W.O.P. | | | | |
| W.O.P. OF | | | | |
| W.O.P. OF | | | | |
| STANDBY | | | | |
| W.O.P. | | | | |
| W.O.P. | | | | |
| STANDBY | | | | |
| W.O.P. | | | | |
| W.O.P. | | | | |
| STANDBY | | | | |

| FOOTAGE | IN. HOPE | CODE NO. | FORMATION | REMARKS |
|---------------|----------|----------|---------------------------------------|---------|
| 12:00 - 16:30 | 4 1/2 | 13 | W.O.C. | |
| 16:30 - 17:30 | 1 | 8 | REPAIR HYDRAULIC HOSE | |
| 17:30 - 18:00 | 1/2 | 6 | R.I.H. W/BIT AND TAGGED T.O.C. @ 156m | |
| 18:00 - 23:00 | 5 | 3 | DRILL CMT. F/156m - T/198m | |
| 23:00 - 24:00 | 1 | 3 | REAM, WASH, CIRC HOLE F/198m - T/202m | |

| DAY TOUR | A.M. |
|------------------|------------------|
| DRILLER | DENNIS WHITE |
| DRIVER | ANDREW DICSON |
| WITNESS | ANTHONY REYNOLDS |
| WELDER | GRAHAM BARTLETT |
| FLAMAN | RICHARD WHITE |
| FLAMAN | HENRY BRYEN |
| FLAMAN | |
| CRANE SUPERVISOR | |
| MECHANIC | |
| WELDER | |
| ROBUST | |
| ROBUST | |
| THAMBE | |

DAILY DRILLING REPORT REPORT NO. A

DRILLING SERVICES
P.O. Box 70, Port Melbourne Victoria 3207
196 Turner Street, Port Melbourne Victoria 3207
Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO: 1 API WELL NUMBER: LOU-YANG DATE: 11-10-94
CONTRACTOR: RURAL WATER CORPORATION RIG NO: 4
OPERATOR: CAPITAL ENERGY SIGNATURE OF OPERATOR'S REPRESENTATIVE: Robert Sheehan
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: Ken Devattinis

FIELD OR OFFICE: PEP 124 CAMP: GIPPSLAND STATE: VICTORIA
WELL LINE RECORD: SHEET NO.
LAST CASING TUBING OR LINES: 2 1/4 Varn 47 16 16-25 3.5 181.75
PRESENT LENGTH:
TONNAGE OF TRIPS SINGLE LAST CUT:
CUMULATIVE TONNAGE ON TRIPS:

DRILLING CREW PAYROLL DATA
DATE: 11-10-94
WELL NAME & NO: LOU YANG
COMPANY: CAPITAL ENERGY
TOOL PUSHER: BERNIE ANDERSON

Table with columns: NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Includes rows for Bit Sub, W/O, STB, and HNDP with various measurements and depths.

Table with columns: FOOTAGE, DEPTH, TIME, ELAPSE TIME, CODE NO. Includes detailed log entries with descriptions like 'MADE UP 216mm BHA', 'WAIT ON X-OVER SUB EX MELB YARD', and 'DRILL OUT CEMENT-RUBBER PLUG-FLOAT'.

NIGHT TOUR table listing crew members and their roles: DRIVER: SLOTT TURNER, DRAMAN: SYLVAN BROOKER, MITRMAN: IAN MC SWAIN, etc.

Table with columns: NO, DRILLING ASSEMBLY, BIT RECORD, MUD RECORD. Continuation of drilling log with entries like RR, VAREZ, and 181.75.

Table with columns: FOOTAGE, DEPTH, TIME, ELAPSE TIME, CODE NO. Continuation of log entries, including 'CONTINUES CIRC AND WARMING TO 200M', 'EXCESSIVE RETURNS OVER SHAKERS (FILL)', and 'P.O.H CHANGED JETS IN BIT AND R.I.H TO 182m'.

DAY TOUR table listing crew members and their roles: DRIVER: DENNIS WHITE, DRAMAN: ANTHONY DICKSON, MITRMAN: ANTHONY REYNOLDS, etc.

DAILY DRILLING REPORT REPORT NO 4



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

WELL NO. **1** API WELL NUMBER DATE **10.10.94**

CONTRACTOR **RURAL WATER CORPORATION** RIG NO. **4**

SIGNATURE OF OPERATOR'S REPRESENTATIVE: **Carlton Shulder**
 SIGNATURE OF CONTRACTOR'S TOOL PUSHER: **Don DeVittimo**

NO. OF TUBING COLS. **1** TUBING SIZE **4.5** PUMP NO. **1** PUMP MANUFACTURER **GARDNER DENVER** TYPE **FX 2** STROKE LENGTH **6'**

NO. OF TUBING COLS. **1** TUBING SIZE **4.5** PUMP NO. **2** PUMP MANUFACTURER **NATIONAL** TYPE **KSH 280** STROKE LENGTH **12'**

FIELD **PEP 24 GIPPSLAND** STATE **VICTORIA** WIRE LINE RECORD NO. **REL. NO.**

LAST CASING TUBING OR LINE IN: **4.5" AMER VAN 41 15' 18" 25 3.5 18.75** PRESENT LENGTH

DRILLING CREW PAYROLL DATA

DATE **10.10.94**

WELL NAME AND NO. **LOU YANG "I"**

COMPANY **CAPITAL ENERGY**

TOOL NUMBER **BERNIE ANDERSON** RIG NO.

| TIME DISTRIBUTION - HOURS | NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|---------------------------|----|-------------------|------------|---------------------|
| DRILLING | 1 | STE RMP OD | F1 BIT | TIME |
| TRIPPING | 1 | STE RMP OD | F1 BIT | WEIGHT |
| CONNECTION MAKE ACCURATE | 1 | STE RMP OD | F1 BIT | PRESSURE GRADIENT |
| CONNECTION SURVEY | 1 | STE RMP OD | F1 BIT | WISC. SEC. |
| WIRE LINE LOGS | 1 | STE RMP OD | F1 BIT | DEPTH - IN. |
| RUN CASING & CEMENT | 1 | STE RMP OD | F1 BIT | DEPTH - FT. |
| WIPER UP BOP | 1 | STE RMP OD | F1 BIT | TOTAL, FIC |
| TEST BOP | 1 | STE RMP OD | F1 BIT | TOTAL, WIPER |
| DRILL STEM TEST | 1 | STE RMP OD | F1 BIT | MUD CHEMICALS ADDED |
| CUC BACK | 1 | STE RMP OD | F1 BIT | TYPE AM TYPE AM |
| SQUEEZE CEMENT | 1 | STE RMP OD | F1 BIT | REMARKS |
| TRIPPING | 1 | STE RMP OD | F1 BIT | |
| WIPER DOWN | 1 | STE RMP OD | F1 BIT | |

| FOOTAGE | | DR. I. NO. & CODE | FORMATION (SHOW CONE RECOVERY) | W. L. ON 100m | RPM | LINE SIZE | LINE SIZE | LINE SIZE | METHOD |
|---|-------|-------------------|--------------------------------|---------------|-----|-----------|-----------|-----------|--------|
| 27m | TD | | | | | | | | |
| 00:00 | 12:00 | 12 | 13 | W.O.C | | | | | |
| PUMPED 50 BAGS OF CEMENT SLURRY DOWN 45/8" X 12 1/4" ANN. @ 1100 RPM. 353 ST. 15477 | | | | | | | | | |

NIGHT TOUR P.M.

| DRIVER | SOC. SEC. NO. | NAME |
|-----------|---------------|----------------|
| DRILLER | | SCOTT TURNER |
| DHAND | | SYLVAN BROOKER |
| MTRMAN | | IAN McSWAIN |
| WELDER | | CARY WICK |
| TRIPPER | | GERARD HAN |
| CHANGEMAN | | WANNIE BARTLET |
| MECHANIC | | GLEN KINGWELL |
| WELDER | | |
| TRIPPER | | |

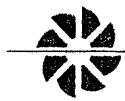
| NO | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|----|-------------------|------------|---------------------|
| 1 | STE RMP OD | F1 BIT | TIME |
| 1 | STE RMP OD | F1 BIT | WEIGHT |
| 1 | STE RMP OD | F1 BIT | PRESSURE GRADIENT |
| 1 | STE RMP OD | F1 BIT | WISC. SEC. |
| 1 | STE RMP OD | F1 BIT | DEPTH - IN. |
| 1 | STE RMP OD | F1 BIT | DEPTH - FT. |
| 1 | STE RMP OD | F1 BIT | TOTAL, FIC |
| 1 | STE RMP OD | F1 BIT | TOTAL, WIPER |
| 1 | STE RMP OD | F1 BIT | MUD CHEMICALS ADDED |
| 1 | STE RMP OD | F1 BIT | TYPE AM TYPE AM |
| 1 | STE RMP OD | F1 BIT | REMARKS |

REMARKS: **NEW 4 1/2" RAM RUBBERS IN BOP. A NEW BLIND RAM RUBBERS PIPE RAMS - CHOKER MANIFOLD - HCR - KILL VALVES - 500-2000 PSI, ANNULAR 500-1000 PSI. 19.5 \$11052**

| FOOTAGE | | DR. I. NO. & CODE | FORMATION (SHOW CONE RECOVERY) | W. L. ON 100m | RPM | LINE SIZE | LINE SIZE | LINE SIZE | METHOD |
|---------|-------|-------------------|--------------------------------|--|-----|-----------|-----------|-----------|--------|
| 12:00 | 15:00 | 3 | 14 | BACK OUT HANGING JOINT. MEN INSTALLED BRADEN HEAD. | | | | | |
| 15:00 | 20:00 | 5 | 14 | NIPPLE UP BOP - BELL NIPPLE - CHOKER MANIFOLD. FUNCTION TEST BOP LINES FROM RIG FLOOR PANEL AND REMOTE UNIT. PUMPED 143 ST CEMENT SLURRY AT 1730 RPM DOWN 45/8" X 12 1/4" ANNULUS TILL FULL. | | | | | |
| 20:30 | 22:30 | 2.5 | 15 | TEST BOP | | | | | |
| 22:30 | 24:00 | 1.5 | 14 | NIPPLE UP FLO-LINE - CHOKER LINE TO DEGASSER | | | | | |

DAY TOUR A.M.

| DRIVER | SOC. SEC. NO. | NAME |
|-----------|---------------|------------------|
| DRILLER | | DEVINIS WHITE |
| DHAND | | ANDREW DICKSON |
| MTRMAN | | ANTHONY REYNOLDS |
| WELDER | | GRAHAM BARTLET |
| TRIPPER | | RODNEY WHITE |
| CHANGEMAN | | HENRY BRYON |
| MECHANIC | | |
| WELDER | | |
| TRIPPER | | |



DRILLING SERVICES
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| | | |
|--|---|---------------------|
| WELL NO. 1 | API WELL NUMBER LOY YANG | DATE 9.10.94 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | RIG NO. 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE <i>Bernie Skuhle</i> | | |
| SIGNATURE OF CONTRACTOR'S TOOL PUSHER <i>Leon DeLathano</i> | | |
| SIZE 4.5 | WT. 10-75 | GRADE ALVIN |
| LOG. F. CL. 6 1/8 | TYPE THREAD 4 1/2 IF | STAND. NO. 1 |
| PUMP NO. 2 | PUMP MANUFACTURER NATIONAL | TYPE KST280 |
| STROKE LENGTH 12' | | |

| | | |
|----------------------------|------------------------------|------------------------------|
| FIELD REP 124 | COUNTRY AUSTRALIA | STATE VICTORIA |
| WIRE LINE RECORD | REL. NO. | |
| SIZE 31mm | MAKE COND | WT & GR. 1 |
| NO. JOINTS 1 | FEET 12m | HOE TC. CSC. HE. 3.5 |
| SET A' 13.5 | SET B' 15.5 | SET C' 18.5 |
| LAST CASING TUBING OR LINE | DATE 15/11/94 | NO. OF JOINTS SINCE LAST CUT |
| DATE | NO. OF JOINTS SINCE LAST CUT | CUMULATIVE TENSILE OR TRIPS |

DRILLING CREW PAYROLL DATA
 DATE **9.10.94**
 WELL NAME & NO. **LOY YANG #1**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **BERNIE ANDERSON**

| TIME DISTRIBUTION - HOURS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|---------------------------|--------------|-----|-------------------|-----|------------------|---------------|-------------|--------------|
| OPERATION | NIGHT | DAY | IN | OUT | BIT NO. | RR | TIME | WEIGHT |
| WIG UP AND TIE DOWN | | | | | SIZE | 31mm | 0600 | 8.5 |
| TRIP ACTUAL | 2 | | | | MFG | VARA | | |
| WEARING | 7.5 | | | | TYPE | L114 | | 75 |
| LOADING | | | | | JETS NO. | 202020 | | 11/21 |
| CONDITION MUD CIRCULATE | 3.5 | | | | SER. NO. | 87665 | | 3/12 |
| TRIPS | 1-5 1 | | | | DEPTH-OUT | | | 13.7 |
| REPAIR RIG | | | | | DEPTH-IN | | | 9.6 |
| CUT OFF DRILLING LINE | | | | | TOTAL FTG | | | 1.2 |
| DEVIATION SURVEY | .5 | | | | TOTAL WRS RUN | | | 19.5 |
| WIRE LINE LOSS | | | | | CONC. HE. TUBAGE | | | |
| REGRINDING & CEMENT | 10.5 | | | | STANDS DP | | | |
| WAIT ON CEMENT | .5 | | | | SINGLES DP | | | |
| WIPER UP BOX | | | | | F.L.Y. DOWN | | | |
| TEST B.C.F. | | | | | TOTAL | | | |
| DRILL STEM TEST | | | | | WT OF STRING | | | |
| MUD BACK | | | | | | | | |
| SQUEEZE CEMENT | | | | | | | | |
| HO-HING | | | | | | | | |
| DR. WORK | | | | | | | | |

| FOOTAGE | | DEPT. | DIR. | DIR. | DIR. | DIR. | DIR. | DIR. |
|------------------|------|------------------|----------|---|------|------|------|------|
| 209m | 217m | | | | | | | |
| DEVIATION RECORD | | 196m | 10 | | | | | |
| FROM | TO | L. L.P.S.E. TIME | CODE NO. | DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS | | | | |
| 0000 | 0200 | 2 | 3 | CIRC AND CLEANING HOLE TO 196m | | | | |
| 0200 | 0230 | -5 | 10 | SURVEY AT 196m. | | | | |
| 0230 | 0500 | 2-3 | 3 | CIRC AND CLEANED HOLE FROM 196m TO Btm AT 209 WITH HI-VIS PILLS. | | | | |
| 0500 | 0700 | 2 | 2 | DRILLED 31mm HOLE FROM 209m TO 217m. | | | | |
| 0700 | | 3 | 5 | UNABLE TO MAKE CONNECTION DUE TO FILL SPOT HI-VIS PILLS ATTEMPT TO CLEAN OUT HOLE NEGATIVE 217m - 197m. | | | | |
| 1000 | | | | | | | | |
| 1000 | 1130 | 1-5 | 6 | MADE WIPER TRIP AND BACK TO 196m RESISTANCE. | | | | |
| 1130 | 1200 | .5 | 5 | CIRCULATED HI-VIS MUD UP ANNULUS. | | | | |

NIGHT TOUR P.M.

| CREW | SOC SEC NO. | NAME |
|-------------|-------------|-----------------------|
| DRILLER | | S TURNER |
| DRAWMAN | | S BROOKER |
| MTRMAN | | I McBRAIN |
| FIREMAN | | H MILLER |
| FLMAN | | B HAND |
| FLMAN | | |
| FLMAN | | |
| CHARGE SUPT | | WAYNE BARTLETT |
| MECHANIC | | GLEN KINGWELL |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | |

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT

| CREAM TRIPS | | | DRILLING ASSEMBLY | | BIT RECORD | | MUD RECORD | |
|-------------|------|------|-------------------|-----|------------------|---------------|------------|--------------|
| TRIP | TRIP | TRIP | IN | OUT | BIT NO. | RR | TIME | WEIGHT |
| A | B | C | | | SIZE | 31mm | | |
| D | E | F | | | MFG | VARA | | |
| G | H | I | | | TYPE | L114 | | 75 |
| J | K | L | | | JETS NO. | 202020 | | 11/21 |
| M | N | O | | | SER. NO. | 87665 | | 3/12 |
| P | Q | R | | | DEPTH-OUT | | | 13.7 |
| S | T | U | | | DEPTH-IN | | | 9.6 |
| V | W | X | | | TOTAL FTG | | | 1.2 |
| Y | Z | AA | | | TOTAL WRS RUN | | | 19.5 |
| AB | AC | AD | | | CONC. HE. TUBAGE | | | |
| AE | AF | AG | | | STANDS DP | | | |
| AH | AI | AJ | | | SINGLES DP | | | |
| AK | AL | AM | | | F.L.Y. DOWN | | | |
| AN | AO | AP | | | TOTAL | | | |
| AP | AQ | AR | | | WT OF STRING | | | |
| AS | AT | AU | | | | | | |
| AV | AW | AX | | | | | | |
| AY | AZ | BA | | | | | | |
| BB | BC | BD | | | | | | |
| BE | BF | BG | | | | | | |
| BF | BF | BF | | | | | | |

| FOOTAGE | | DEPT. | DIR. | DIR. | DIR. | DIR. | DIR. | DIR. |
|---------|------|-------|------|--|------|------|------|------|
| 1200 | 1300 | 1 | 6 | P.O.H TO RUN 314mm CASING. | | | | |
| 1300 | 1330 | .5 | 12 | RIG UP FOR CASING. | | | | |
| 1330 | 1630 | 3 | 12 | RAN 17 JNTS OF CASING TO 196m. | | | | |
| 1630 | | 5 | 12 | ATTEMPT TO WASH DOWN MORE CASING (NEG) PULL BACK TO 181.75m FOR CORRECT SPACE-OUT FOR BRADEN HEAD. POSITION. | | | | |
| 2130 | 2230 | 2 | 12 | CIRCULATE THEN CEMENT CASING WITH HOWCO. | | | | |
| 2230 | 2400 | .5 | 21 | WASH AND PUMP CEMENT SLURRY DOWN 13 3/8" ANNULUS. | | | | |

DAY TOUR A.M.

| CREW | SOC SEC NO. | NAME |
|-------------|-------------|-------------------|
| DRILLER | | D. WHITE |
| DRAWMAN | | A DICKSON |
| MTRMAN | | A REYNOLDS |
| FIREMAN | | G BARTLETT |
| FLMAN | | R WHITE |
| FLMAN | | H BRYON |
| FLMAN | | |
| CHARGE SUPT | | |
| MECHANIC | | |
| WELDER | | |
| ASTABOUT | | |
| ASTABOUT | | |
| TRAINER | | |

NO. OF DAYS _____ SINCE LAST LOST TIME ACCIDENT



WELL NO: PEP 124
CONTRACTOR: LOY YANG
RIG NO: 4
OPERATOR: CAPITAL ENERGY
CONTRACTOR: RURAL WATER CORPORATION
SIGNATURE OF OPERATOR'S REPRESENTATIVE: [Signature]
SIGNATURE OF CONTRACTOR'S TOOL PUSHER: [Signature]

WELL LINE RECORD
WELL NO: PEP 124
STATE: VICTORIA
SIZE: 300 mm
DEPTH: 162m
PUMP NO: 1
PUMP NO: 2

DRILLING CREW PATROLL DATA
DATE: 8.10.94
WELL NAME & NO: LOY YANG "1"
COMPANY: CAPITAL ENERGY
TOOL PUSHER: B. ANDERSON

TIME DISTRIBUTION - HOURS
OPERATION NIGHT DAY
UP AND TEAP DOWN
ACTUAL
PUMPING
CIRCUITING
CONDITION MUD CIRCULATE
PUMPS
REPAIR RIG
OFF PULLING LINE
DEVIATION SURVEY
WIRE LINE LOSS
CIN CASING CEMENT
CIN CEMENT
WIRE UP BOP
TEST BOP
STEM TEST
C BOP
FREEZE CEMENT
SHING
WORK

FOOTAGE
TIME LOG
DEVIATION RECORD
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
162m 209
90 S 3006" 51 51 51
162m 1/4°
0000 0230 2.5 2
0230 0300 .5 10 SURVEY
0300 0630 3.5 2 DRILLED TO 209m
0630 0700 .5 5 GRC H.VIS FILL
0700 0900 2.0 6 P.O.H FOR PLUGGED SET (2)
0900 0930 .5 6 CLEAN BIT
0930 1030 1 6 R.I.H TO 169m RESISTANCE FELL
UP KELLY AND WASHED TO 179m
1030 1200 1.5 6 P.O.H PARTIALLY PLUGGING SETS
CLEAN SAME - INSTALL LARGER JETS IN BIT & R.I.H TO 172m

NIGHT TOUR
CREW SOC SEC NO NAME
DRILLER 3 TURNER
DIPPERMAN 5 BRACKER
WIREMAN 1 MEEHAN
PUMPERMAN 6 MILLER
PUMPERMAN 6 HAND
CHANE SUPP WAYNE BARTLET
MECHANIC GLEN KINGWELL
WELDER
RSTABOUT
RSTABOUT
THANEE

NO DRILLING ASSEMBLY BIT RECORD MUD RECORD
1 31mm .30 BIT NO 1 RR 1 RR TIME 150
BIT SUB .82 SIZE 311 WEIGHT 9.5
2 28" OC 18.68 MFG VAREL
DC 114 114 VISC SEC 75
1 1.37 JETS 202223420 PRESSURE GRADIENT 11/21
DC 8 9.38 SEF NO 87665 GELS 3/12
1 1.70 DEPTH OUT 13.7
2 64.26 110.43 DEPTH IN 15m 15m SOLIDS 9.6
6 HNDP 55.01 TOTAL FIC 1.2
STANDS OF CONG. H2O TUBAGE
SINGLETS OF GRAMPDPS GEL 176 K.S 20
WASH DOWN LIME 8
TOTAL F2MUD 13
WT OF STRUNG 27000kg
REMARKS: NO RETURNS TO SURFACE DURING CIRCULATING

FOOTAGE
DEVIATION RECORD
DETAILS OF OPERATIONS IN SEQUENCE AND REMARKS
209
1200 1400 2 8 WORK STRING & GRC WITH 1 PUMP - WHILE
1400 NO2 ENGINE BEING REPAIRED FUEL PROBLEM
1400 WASHED AND CLEANED HOLE (FILL) FROM
172m WITH HIGH VIS PILLS TO BTM @ 209m
UNABLE TO KEEP HOLE OPEN CONSTANT
OVERPULL FROM 209m - 194m
1900 P.O.H LAYED OUT STABILIZER
2130 2300 1.5 6 R.I.H TO 187m
2300 2400 1 3 GRC AND CLEANING HOLE FROM 187m
TO 196m

DAY TOUR
CREW SOC SEC NO NAME
DRILLER D. WHITE
DIPPERMAN A DIEKSON
WIREMAN A REYNOLDS
PUMPERMAN G BARTLET
PUMPERMAN R WHITE
PUMPERMAN H BRYON
CHANE SUPP
MECHANIC
WELDER
RSTABOUT
RSTABOUT
THANEE

DAILY DRILLING REPORT REPORT NO 1



DRILLING SERVICES

P.O. Box 70, Port Melbourne Victoria 3207
 196 Turner Street, Port Melbourne Victoria 3207
 Telephone: (03) 646-2983 Facsimile: (03) 646-5123

| | | |
|---|--|---|
| WELL NO 1 | API WELL NUMBER LOUY YANG | DATE 7.10.94 |
| OPERATOR CAPITAL ENERGY | CONTRACTOR RURAL WATER CORPORATION | RIG NO 4 |
| SIGNATURE OF OPERATOR'S REPRESENTATIVE Rabiah Shelden | | SIGNATURE OF CONTRACTOR'S TOOL PUSHER Leon Djatmoko |
| SIZE 4.5 | WT OF 10.75 | GRADE ALUM 6 1/8 |
| TOOL JOINT 6 1/8 | TYPE THREAD API | STANG NO 1 |
| PUMP NO 1 | PUMP MANUFACTURER CARDNER DENVER | TYPE F-2 |
| PUMP NO 2 | PUMP MANUFACTURER NATIONAL | TYPE KSH280 |
| STRENGTH LENGTH 13" | | |

| | | | | | | |
|----------------------------|------------------------|-----------------------|---------------------------|--------------------------|-----------------------|------------------------|
| WIRE LINE RECORD | NO. JOINTS 1 | FEET 12m | NO. TO CUTS 3.5 | NO. LINES 15.5 | NO. LINES 8 | NO. LINES 17 |
| SIZE 340 | NAME COND. | WT & GR. mm | | | | |
| LAST CASING TUBING OR LINE | | | | | | |

DRILLING CREW PAYROLL DATA
 No. 1
 DATE **7.10.94**
 WELL NAME & NO. **LOUY YANG**
 COMPANY **CAPITAL ENERGY**
 TOOL PUSHER **B. ANDERSON**

| OPERATION | NIGHT | DAY | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|--|----------|-------------|----------|------------------------------|--|--|
| DRILLING | 2 | 11:3 | 2 | BIT SUB 8" OD 18.68 FT | BIT NO 1 SIZE 311mm | TIME 10.00 |
| DRILLING | | | 1 | STE RHW 8" OD 9.38 FT | MFG VAREL TYPE L114 | WEIGHT 8.4 |
| DRILLING | | | 1 | STE RHW 8" OD 4.0 FT | JETS 18/18/18 | PRESSURE GRADIENT 54 |
| DRILLING | | | 1 | STE RHW 8" OD 12.64 FT | SEF NO 87665 | WISC SEC 4/17 |
| DRILLING | | | 1 | STE RHW 8" OD 4.0 FT | DEPTH IN 15 | GELE 2/3 |
| DRILLING | | | 1 | STE RHW 8" OD 11.45 FT | DEPTH IN 147m | W. CC 9.7 |
| DRILLING | | | 1 | HAND 9.17 FT | TOTAL WRS 11.5 | SGUIDE .8 |
| DRILLING | | | 1 | HAND 11.45 FT | STANDS DP 1 X 2 | MUD & CHEMICALS ACEL 144 800 |
| DRILLING | | | 1 | HAND 11.45 FT | RELLY DOWN 11.45 | CHUSTIC 1 40 |
| DRILLING | | | 1 | HAND 11.45 FT | TOTAL 162m | LIAM 88 25 |
| DRILLING | | | 1 | HAND 11.45 FT | WT OF STRING 30 KG | EZ AND 8 31 |
| REMARKS RKB TO G.L. 3.50m HELD SAFETY PRE SPUD MEETING | | | | | | |
| DRILLER Bob Chuter | | | | | | |

| TIME | FOOTAGE | DEPT | DEV | DIR | DEPT | DEV | DIR | DEPT | DEV | DIR |
|--|------------|-------------|-----------|-----|------|-----|-----|------|-----|-----|
| 0930 | 15m | 4.3m | D. | | | | | | | |
| 1130 | | | | | | | | | | |
| 1130 | | | | | | | | | | |
| DETAILS OF OPERATIONS II. SEQUENCE AND REMARKS: SPUD IN WITH 311mm BIT AND DRILL FROM 15m - 43m. SURVEY AT 40m. TOTAL LOSSES WHILE DRILLING FROM 38m ONWARDS | | | | | | | | | | |

NIGHT TOUR **0730 AM**

| CREW | SOC SEC NO | NAME |
|-----------|------------|--------------------|
| DRILLER | | S. TURNER |
| DRAMAN | | S. BROOKER |
| MFRMAN | | I. McSWAIN |
| FIREMAN | | W. MILLER |
| FLAMAN | | G. HAND |
| FLAMAN | | |
| FLAMAN | | |
| CHANE SUP | | W. BARTLET |
| MECHANIC | | G. KINGWELL |
| WELDER | | |
| ASTABUT | | |
| ASTABUT | | |
| TRANEE | | |

| OPERATION | NIGHT | DAY | NC | DRILLING ASSEMBLY | BIT RECORD | MUD RECORD |
|--|-------|-----|----------|------------------------------|--|--|
| DRILLING | | | 2 | BIT SUB 8" OD 18.68 FT | BIT NO 1 SIZE 311mm | TIME 11:00 |
| DRILLING | | | 1 | STE RHW 8" OD 9.38 FT | MFG VAREL TYPE L114 | WEIGHT 8.4 |
| DRILLING | | | 1 | STE RHW 8" OD 4.0 FT | JETS 18/18/18 | PRESSURE GRADIENT 54 |
| DRILLING | | | 1 | STE RHW 8" OD 12.64 FT | SEF NO 87665 | WISC SEC 4/17 |
| DRILLING | | | 1 | STE RHW 8" OD 4.0 FT | DEPTH IN 15 | GELE 2/3 |
| DRILLING | | | 1 | STE RHW 8" OD 11.45 FT | DEPTH IN 147m | W. CC 9.7 |
| DRILLING | | | 1 | HAND 9.17 FT | TOTAL WRS 11.5 | SGUIDE .8 |
| DRILLING | | | 1 | HAND 11.45 FT | STANDS DP 1 X 2 | MUD & CHEMICALS ACEL 144 800 |
| DRILLING | | | 1 | HAND 11.45 FT | RELLY DOWN 11.45 | CHUSTIC 1 40 |
| DRILLING | | | 1 | HAND 11.45 FT | TOTAL 162m | LIAM 88 25 |
| DRILLING | | | 1 | HAND 11.45 FT | WT OF STRING 30 KG | EZ AND 8 31 |
| REMARKS RKB TO G.L. 3.50m HELD SAFETY PRE SPUD MEETING | | | | | | |
| DRILLER Bob Chuter | | | | | | |

| TIME | FOOTAGE | DEPT | DEV | DIR | DEPT | DEV | DIR | DEPT | DEV | DIR |
|---|-----------|------------|-----------|-----|------|-----|-----|------|-----|-----|
| 1200 | 43 | 162 | D. | | | | | | | |
| 1730 | | | | | | | | | | |
| 1800 | | | | | | | | | | |
| DETAILS OF OPERATIONS II. SEQUENCE AND REMARKS: CONTINUED DRILLING 311mm HOLE FROM 43m TO 99m DRILLED USING WATER AND H.H.S. PULS AS REQUIRED = TOTAL LOSSES CIR AND TAKE SURVEY AT 99m. CONTINUED DRILLING FROM 99m TO 162m. | | | | | | | | | | |

DAY TOUR

| CREW | SOC SEC NO | NAME |
|-----------|------------|--------------------|
| DRILLER | | D. WHITE |
| DRAMAN | | A. DICKSON |
| MFRMAN | | A. REYNOLDS |
| FIREMAN | | G. BARTLET |
| FLAMAN | | R. WHITE |
| FLAMAN | | H. BRYON |
| FLAMAN | | |
| CHANE SUP | | |
| MECHANIC | | |
| WELDER | | |
| ASTABUT | | |
| ASTABUT | | |
| TRANEE | | |

APPROVED IADC-API OFFICIAL DAILY DRILLING REPORT FORM

PE603546

This is an enclosure indicator page.
The enclosure PE603546 is enclosed within the
container PE905273 at this location in this
document.

The enclosure PE603546 has the following characteristics:

ITEM_BARCODE = PE603546
CONTAINER_BARCODE = PE905273
NAME = Composite Well Log
BASIN = GIPPSLAND
PERMIT = PEP124
TYPE = WELL
SUBTYPE = COMPOSITE_LOG
DESCRIPTION = Composite Well Log for Loy Yang-1A
REMARKS =
DATE_CREATED = 28/02/1995
DATE_RECEIVED = 19/09/1995
W_NO = W1111
WELL_NAME = LOY YANG-1A
CONTRACTOR =
CLIENT_OP_CO = CAPITAL ENERGY NL

(Inserted by DNRE - Vic Govt Mines Dept)

PE603547

This is an enclosure indicator page.
The enclosure PE603547 is enclosed within the
container PE905273 at this location in this
document.

The enclosure PE603547 has the following characteristics:

ITEM_BARCODE = PE603547
CONTAINER_BARCODE = PE905273
NAME = Mud Log (Loy Yang-1)
BASIN = GIPPSLAND
PERMIT = PEP124
TYPE = WELL
SUBTYPE = MUD_LOG
DESCRIPTION = Mud Log for Loy Yang-1
REMARKS =
DATE_CREATED = 20/10/1994
DATE_RECEIVED = 19/09/1995
W_NO = W1104
WELL_NAME = LOY YANG-1
CONTRACTOR = GEOSERVICES
CLIENT_OP_CO = CAPITAL ENERGY NL

(Inserted by DNRE - Vic Govt Mines Dept)

PE603548

This is an enclosure indicator page.
The enclosure PE603548 is enclosed within the
container PE905273 at this location in this
document.

The enclosure PE603548 has the following characteristics:

ITEM_BARCODE = PE603548
CONTAINER_BARCODE = PE905273
NAME = Mud Log (Loy Yang-1A)
BASIN = GIPPSLAND
PERMIT = PEP124
TYPE = WELL
SUBTYPE = MUD_LOG
DESCRIPTION = Mud Log for Loy Yang-1A
REMARKS =
DATE_CREATED = 11/12/1994
DATE_RECEIVED = 19/09/1995
W_NO = W1111
WELL_NAME = LOY YANG-1A
CONTRACTOR = GEOSERVICES
CLIENT_OP_CO = CAPITAL ENERGY NL

(Inserted by DNRE - Vic Govt Mines Dept)