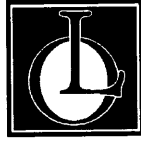


Bunga Creek-1  
Well Completion Report  
(W1372)



**LAKES OIL N.L.**  
(A.B.N. 62 004 247 214)

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PAGE 1 OF 53

**BUNGA CREEK-1**

**STRATIGRAPHIC COREHOLE**

**PEP 155 Vic.**

**WELL COMPLETION REPORT**

by  
**J.N. Mulready**

**July 2003**

**LAKES OIL NL**  
Level 11  
500 Collins Street  
Melbourne 3000

913649 002



**LAKES OIL N.L.**  
(A.B.N. 62 004 247 214)

**BUNGA CREEK-1**

**STRATIGRAPHIC COREHOLE**

**PEP 155 Vic.**

**WELL COMPLETION REPORT**

by  
**J.N. Mulready**

**July 2003**

**LAKES OIL NL**  
**Level 11**  
**500 Collins Street**  
**Melbourne 3000**

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1. Gamma Ray 282 m to 59.4m in open hole and from 59.4m to surface through casing.
2. Strip Log & Gas Log at 1: 2000

# Bunga Creek-1 Location Map

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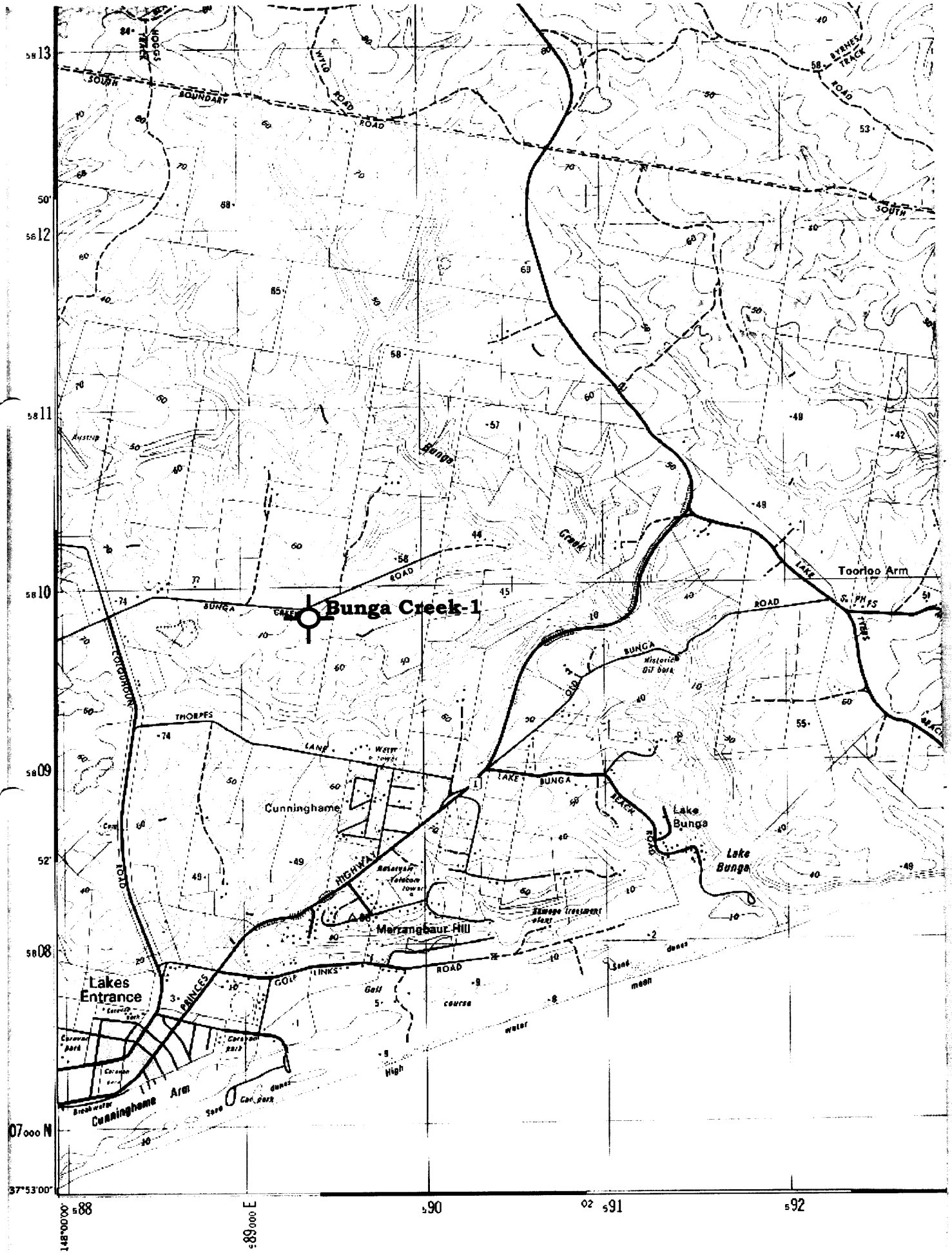


Figure 1

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## 1.0 SUMMARY

Bunga Creek-1 stratigraphic corehole was designed as a test of the Colquhoun Greensand and Colquhoun Gravel reservoirs at the eastern end of the Lakes Entrance 'field' area.

The location was also designed to test the validity of an interpreted gravity low on the July 2002 Lakes Entrance Falcon airborne gravity/magnetic/scintillometer/topographic survey. It was hoped that this low might indicate the presence of a significant Colquhoun Gravel section below the Greensand, with the potential to host oil in a better quality reservoir than the Greensand. In the event this proved not to be the case.

The well spudded on the 7 November 2002, and was rotary drilled to 59.4 m. RT. 7 inch (178 mm) casing was then set at 57 m. RT, with a 4.5 inch (114mm) liner subsequently set at 59.4 m. RT. After installing the BOP the well drilled ahead in 98 mm hole to a depth of 155m RT, but leakage problems around the casing forced a temporary cessation of drilling whilst the casing was re-cemented and the BOP reinstalled.

The well was then deepened to 342 m. RT, at which stage coring commenced. Coring continued to a total depth of 364.5 m., having encountered granodiorite basement at 364.4 m RT.

Although slightly glauconitic silty sandstones were encountered within the Lakes Entrance Formation, no significant oil shows were encountered, and no Colquhoun Gravel was present.

After running gamma ray log from 282 m to surface (the well had bridged off at this depth), the well was plugged and abandoned on 25 November 2002.

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**913649 007Y**

and is enclosed within the document **PE913649** at  
this page.

## 2.0 WELL HISTORY

### 2.1 GENERAL DATA

Well Name:	Bunga Creek-1
Map Reference:	Cunninghame Topographic 8522-3-4 Scale 1:25,000
Location:	AMG 66 Coordinates 589381 E 5809890 N Latitude: 37° 51' 15.1" South Longitude: 148° 0' 57.5" East
Elevations:	GL 60.600 m RT 61.25 m
Petroleum Tenement:	PEP 155
Operator:	Lakes Oil NL (for Petro Tech Pty Ltd) ACN 004 247 214 Level 11, 500 Collins Street Melbourne 3000
Other Participants:	None
Date Drilling Commenced:	7 <sup>th</sup> November, 2002
Date Drilling Completed:	23 <sup>rd</sup> November, 2002
Date Rig Released:	25 <sup>th</sup> November, 2002
Drilling Time to T.D.:	17 days (Rig operated daylight hours only)
Total Depth:	364.5 m
Status:	Plugged and Abandoned



## 2.2 RIG DATA

Drilling Contractor	Drilltech Pty Ltd Drilling Depot Rd Morwell Victoria 3168
Rig	Bournedrill THD25VP.
Rig Carrier	Truck Mounted.
Weight Indicator	Hydraulic Pressure.
Power	Truck Engine.
Rotary	Top Drive.
Pumps	Duplex 5"X 6" double action.
Tubulars	PQ pipe
Fishing Tools	None on Site.
Handling Tools	Hydraulic 48" Rigid wrench.
Stabilizer	Not applicable.
Spare Parts	As reasonably required for carrying out the well programme.
Personnel	Driller plus 2 crew.

Note: Rig Operated Daylight Hours Only.

### 2.3 DRILLING DATA

The following is the daily operations summary for Bunga Creek -1. It has been compiled from the daily drilling reports. Onsite drilling supervision and wellsite geology services for Lakes Oil N.L. was provided by J. Mulready. Gas detection equipment was supervised by Mr. D. Sisely.

DATE	DRILLING OPERATIONS
06.11.02	24 hrs to 6 p.m. 6.11.02 Casing, tanks, site office and generator delivered on site. Rig delayed 24 hrs, expected on site tomorrow morning.
07.11.02	24 hrs to 6 p.m. 7.11.02 Rig on site 9.30 a.m. Rigged up/mixed mud. Held pre-spud safety meeting. Spudded well 3.49 p.m. Drilled 9.7/8" (251 mm) hole to 30.5 metres.
08.11.02	24 hrs to 6.30 p.m. 8.11.02 Drilled 9.7/8" (251 mm) hole to 59.4 metres. Ran & cemented 7" casing @ 57 m BGL
09.11.02	24 hrs to 6.30 p.m. 9.11.02 Wait on cement.
10.11.02	24 hrs to 6.30 p.m. 10.11.02 Ran & cemented 114 mm liner @ 59.4 m BGL
11.11.02	24 hrs to 6.30 p.m. 11.11.02 Rigging up.
12.11.02	24 hrs to 6.30 p.m. 12.11.02 Conducted leak off test on surface casing – failed. Recemented between 114 mm and 178 mm casing. Wait on cement.
13.11.02	24 hrs to 6.30 p.m. 13.11.02 Conducted leak off test on surface casing OK. Rig up flowline. Install BOP. Commenced drilling 3 p.m. Drilled from 59.4 to 107 m. POH & clear blocked bit.
14.11.02	24 hrs to 6.30 p.m. 14.11.02 Drilled from 107 to 155 m. Leakage noted around 7 inch casing. POH. RIH with open ended drill pipe and spotted 2 cubic m. cement plug at casing shoe. Wait on cement.
15.11.02	RIH. Tagged top cement at 84 m RT. Filled hole with cement outside 7 inch casing with returns to surface. Wait on cement.
16.11.02	24 hrs to 6.30 p.m. 16.11.02 RIH. Tagged top cement at 34 m. Drilled out of shoe to 72 m. Closed BOP and pressured up – fluid flowing into formation. Drilled ahead – well sidetracked off plug at ~ 69 m. Re-drilled to 120 m. Suction pit clogged- POH.
17.11.02	24 hrs to 6.30 p.m. 17.11.02 Dumped pits. Redrilled to 155 m. Drilled 155 to 210 m (55 m)
18.11.02	24 hrs to 6.30 p.m. 18.11.02 Drilled 210 to 282 m (72 m)

19.11.02	24 hrs to 6.30 p.m. 19.11.02 Drilled 282 m to 342 m (60 m)
20.11.02	24 hrs to 6.30 p.m. 20.11.02 Dumped pits, cleaned out drill pipe. RIH to casing shoe with core barrel.
21.11.02	24 hrs to 6.30 p.m. Thursday 21.11.02 Rig up for coring.
22.11.02	24 hrs to 6.30 p.m. Friday 22.11.02 RIH. Cored. From 342 to 355.8 m. (13.8 m)
23.11.02	24 hrs to 6.30 p.m. Saturday 23.11.02 Replace wireline cable. Core from 355.8 m. to 364.5 m. (12.7 m) Top granite at 364.4 m
24.11.02	24 hrs to 6.30 p.m. Sunday 24.11.02 RIH with log. Hole bridged at 282 m. Ran gamma log from 282 m to surface.
25.11.02	24 hrs to 6.30 p.m. Monday 25.11.02 Abandoned well with 2.7 cubic metre cement plug. Bumped top of plug at 13 m, i.e. 46 m inside surface casing. Set surface plug. Released rig.

**Hole Sizes & Depths:**

9-7/8" (251 mm)	Surface to 59.4 m RT
98 mm	59.4 m RT to TD (365.5 m RT)
Core size HQ	342 m to TD

**Casing & Cementing:**

## Surface

Size	7 " (178 mm)
Weight	23 lb/ft 33.7 kg/m
Grade	K55
Shoe setting depth	57 m

## Liner

Size	114 mm
Weight	16 kg/m
Shoe setting depth	59.4 m

**Deviation Surveys:**

None taken

## Drilling Fluid:

Spud-59.4 m	Freshwater gel
59.4 – TD	KCl/Polymer/PHPA

**Water Supply:**

Water was trucked from Lakes Entrance

### Plugging & Cementing:

Plug 1	13 to 364.5 m	2.7 c.m.
Plug 2	Surface	

## 2.4 LOGGING AND TESTING

Wellsite Geologist: J.Mulready

Mudlogging: Hot wire hydrocarbon detection, depth & drill rate monitoring were provided by D.Sisely, using Lakes' own hot wire gas detector.

Ditch Cutting Samples: Ditch cutting samples were collected at 10 m intervals from surface to 60 m, and thereafter at 3 m intervals to 342 m. at which stage coring commenced.

One set consisting of approx. 500 gm of unwashed dried cuttings in a calico bag was submitted to the DNRE.

One set of washed cuttings was collected in Samplex trays for retention by the Operator.

Coring: Continuous core was taken between 342 m RT and 364.5m RT (TD).

Sidewall cores: None taken.

Testing: No testing was undertaken.

Wireline Logs: A Gamma-ray log was run from 282 m to 59.4 m in open hole, and from the casing shoe to surface.

Unfortunately it was not possible to log below 282 m as the well had bridged off at this depth.

Velocity Survey: No velocity survey was undertaken.

### Bunga Creek-1 Time vs Depth

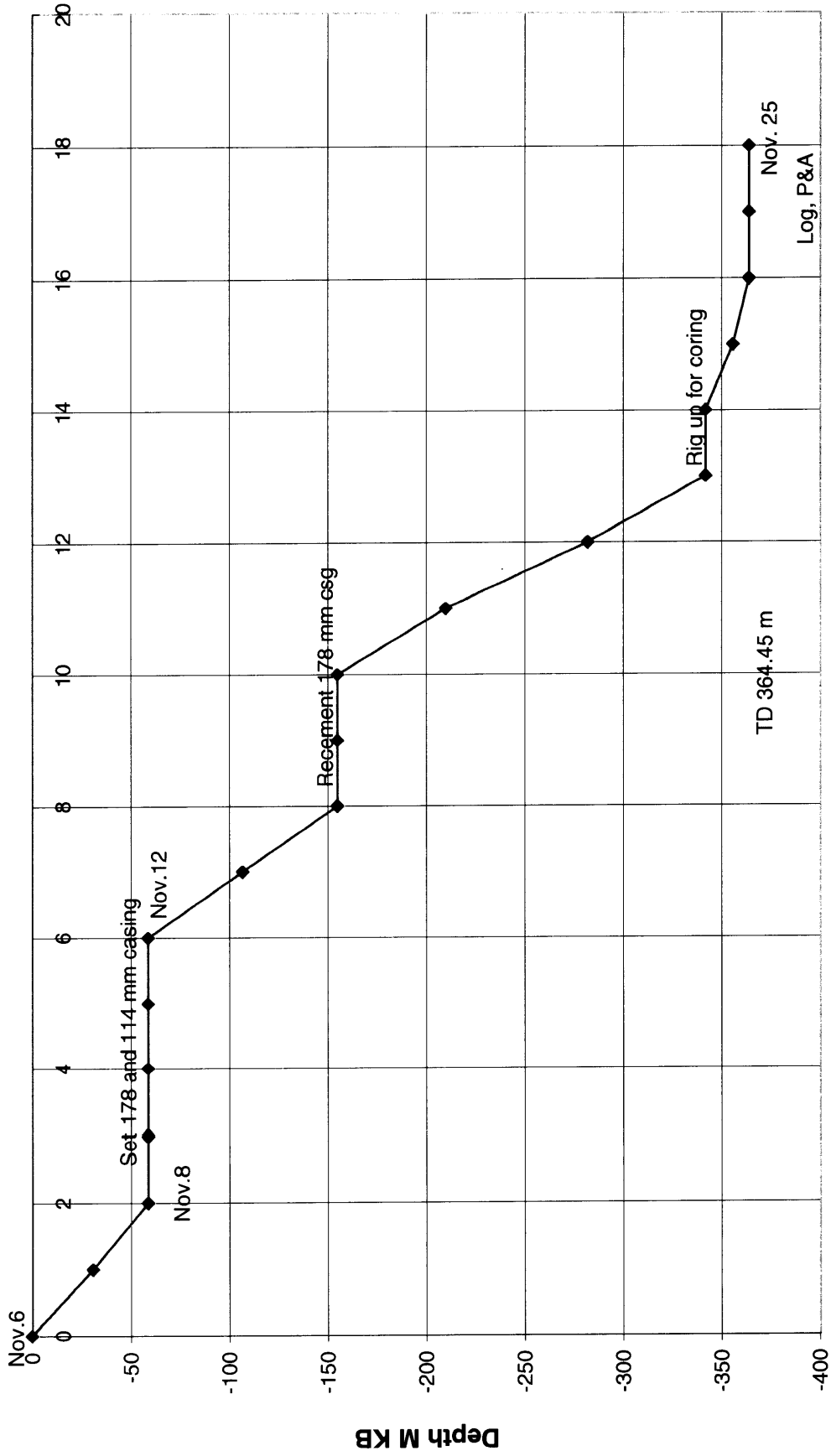


Figure 3

Days

Appendix 1

Petrographic descriptions &  
density Rpt.



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**Petrographic descriptions and density  
determinations in two granitic rocks  
(Bunga Creek-1 and outcrop)  
Lakes Entrance area, Gippsland**

**GEOTRACK REPORT #870**

**A report prepared for Lakes Oil, N.L., Melbourne**

Report prepared by:

I. R. Duddy

**February 2003**



913649 024

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Appendix 2

Micropalaentological Rpt

Micropalaeontology report on two samples from Bunga Creek-1 for Lakes Oil P/L

**MICROPALAEONTOLOGICAL REPORT  
for LAKE OIL P/L  
on Two samples from Bunga Creek-1**

**REPORT 01/03**

Dr. Stephen Gallagher

School of Earth Sciences, The University of Melbourne,  
Victoria 3010.

# Appendix 3

Jones Bay-1, Patties Pies-1,  
Bunga Creek-1 & Bunga Creek-2

Co-ordination data



913649 041

**AUSTEC SURVEYING CONSULTANTS** PTY LTD  
ACN 006 347 100  
**TITLE & ENGINEERING SURVEYORS :: LAND DEVELOPMENT CONSULTANTS**

Ref 03300.C01  
24/06/03

Lakes Oil N.L.  
P.O. Box 300  
Collins Street West  
Melbourne, 8007.

Att: Mr J. Mulready  
Re: Wellsite Surveys  
Location: Bayview Road, Bairnsdale  
And Bunga Creek, Lakes Entrance.

Further to your request we have completed the co-ordination of the bore holes at Bairnsdale and Lakes Entrance.

Jones Bay-1 E 559212.975 N 5809565.222 RL 2.200 PSF 0.99964318  
Patties Pies-1 E 559321.145 N 5810466.907 RL 2.280 PSF 0.99964334  
Datum: Parish of Broadlands PM 35  
Parish of Bairnsdale StMarys Spire

Bunga Creek-1 E 589376.388 N 5809860.128 RL 60.600 PSF 0.99969839  
Bunga Creek-2 E 591192.088 N 5810294.796 RL 43.890 PSF 0.99970242  
Datum: Parish of Colquhoun PM's 32 & 33

- The above co-ords have been deduced from ground survey work to an estimated accuracy of +/- 0.02m.
- The co-ords are to the centre line at ground level of the bores, except for "Jones Bay-1" This bore has not yet been drilled. The co-ords are to the centre of the northern edge of a dirt ramp, at a distance of 7.45m on Magnetic Brg of about 7° from a steel (GI) stake placed on site.

Yours Faithfully,

Bruce Bowden.  
Licensed Surveyor

Appendix 4  
Cuttings and Gas Log Data

LAKES OIL NL BUNGA CREEK-1  
CUTTINGS AND GAS LOG

Depth metres	Drill Rate min/m	Gas Units	Description	Comments
0-10	8.5	N/O	60% SAND: lt brn gy, consisting of poorly sorted f-cg, occ vcg subrounded to rounded clear, milky and Fe stained qtz grms. 40% CLAY: gy-brn, soft, dispersive. Common Tr. black liths. No fluorescence.	Gas detector not operational until surface casing set.
20	7.0	N/O	SAND: a/a Common Tr liths a/a. Rare Tr yellow mineral fluorescence.	
30	12.0	N/O	70% SAND: a/a Common Tr liths a/a 30% SANDSTONE: lt-md brn vf-fg qtz and common coral/shell frags, calc. Dull yell. min fluor. No cut	Several hard bands due to calc. cementation Top Tambo R. Fm ~28 m.
40	11.0	N/O	50% SAND: poorly sorted a/a, some subang. Common Fe staining. 50% LIMESTONE & MARL: Lst is lt gy-cream. Unconsolidated, cons. of coarse to very coarse coral and shell frags. incl bryozoa, gasteropods, lamellibranchs, echinoid spines. Fragments show evidence of rounding. Dull yell. min fluor. No cut	
50	3.0	N/O	Comm. Tr calc. sst. a/a 30% MARL: gy, soft, calc. silty grading to calc. sltst.,sl. carb. 30% SAND: a/a 40% LIMESTONE & MARL: a/a. Tr mica. Dull yell. min fluor. No cut	
60	2.0	N/O	50% MARL: a/a grding to calc. sltst. 50% LIMESTONE & MARL: a/a. Dull yell. min fluor. No cut	Surface casing Point. End 9.7/8" hole @ 59.4 m. Top Gippsland Lstone est. 55 m

63	2.0	0	80% LIMESTONE & MARL: a/a 10% SSTONE: lt md gy, vf-fg, calc, sl carb. sl. mic.firm 10% SLTST.:md gy, firm, non calc.	Gas detector operational
66	2.0	0	90% LIMESTONE & MARL: a/a 5% SSTONE: a/a 5% SLTST: a/a	
69	2.0	0	70% LIMESTONE & MARL: a/a 20% SSTONE: a/a msotly non calc. 10% SLTST: a/a Coom tr carb flecks.	
72	2.0	0	90% LIMESTONE & MARL: a/a 10% SSTONE: a/a	
75	2.0	0	90% LIMESTONE & MARL: a/a 10% SSTONE: a/a	
78	2.0	0	90% LIMESTONE & MARL: a/a 10% SSTONE: a/a	
81	2.0	0	90% LIMESTONE & MARL: a/a 10% SSTONE: a/a	
84	1.0	0	70% LIMESTONE & MARL: a/a 30% SANDSTONE: pred lt gy, calc, vf-fg,	
87	2.0	0	90% LIMESTONE & MARL: a/a 10% SSTONE: a/a	
90	2.0	0	100% LIMESTONE & MARL: a/a	Marl matrix not evident in cuttings - appears to be passing into solution,

					producing highly viscous mud.
93	2.0	0	100% LIMESTONE & MARL: a/a		. Marl appears to be lt brn. soft, dispersive
96	2.0	0	100% LIMESTONE & MARL: a/a		
99	2.0	0	100% LIMESTONE & MARL: a/a		
102	1.0	0	100% LIMESTONE & MARL: a/a		
105	1.0	0	100% LIMESTONE & MARL: a/a		Bit blocked POH clean
108	2.0	0	80% LIMESTONE & MARL: a/a 20% SANDSTONE: a/a		Carbide check – carbide blocked bit.
111	2.3	0	100% LIMESTONE & MARL: a/a		Carbide gave 5 units when circulation restored
114	2.5	0	100% LIMESTONE & MARL: a/a		
117	3.7	0	100% LIMESTONE & MARL: a/a Tr gy slst.		
120	2.0	0	100% LIMESTONE & MARL: Lst is unconsolidated, cons. of pred. f-mg coral and shell frags. incl bryozoa, gasteropods, lamellibranchs, echinoid spines. Dull yell. min fluor. No cut Marl is washing out, but appears to be soft, lt brn gy dispersive.		
123	2.0	0	100% LIMESTONE & MARL: a/a		
126	1.5	0	100% LIMESTONE & MARL: a/a f-mg		
129	1.5	0	100% LIMESTONE & MARL: a/a f-mg		
132	1.5	0	100% LIMESTONE & MARL: a/a pred fg		
135	1.5	0	100% LIMESTONE & MARL: a/a pred. fg-occ mg.		
138	1.5	0	100% LIMESTONE & MARL: a/a pred fg		
141	2	0	100% LIMESTONE & MARL: a/a f-mg		
144	3.3	0	100% LIMESTONE & MARL: a/a fg-occ mg.		
147	3.3	0	100% LIMESTONE & MARL: a/a fg		
150	2	0	100% LIMESTONE & MARL: a/a fg Tr mica		
153	2.0	0	100% LIMESTONE & MARL: a/a f-occ mg		



156	2.6	0	100% LIMESTONE & MARL: a/a fg tr mica		
159	1.7	0	100% LIMESTONE & MARL: a/a f-mg. Tr glauc.		Resumed drilling after 4 day break @1.11 p.m.
162	2.0	0	100% LIMESTONE & MARL: a/a fg Tr glauc a/a		
165	1.7	0	90% LIMESTONE & MARL: a/a 10% SILTSTONE: gy,gy bm, bm, firm, calc. Tr. glauc.		
168	3.0	0	100% LIMESTONE & MARL: a/a fg. Tr. Sltst Tr glauc a/a.		
171	1.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc.		
174	1.0	0	100% LIMESTONE & MARL: a/a fg Tr glauc.		
177	1.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc. Tr slst a/a		
180	2.0	0	100% LIMESTONE & MARL: a/a fg Tr glauc		Carbide test 211 units from 50 g carbide. Lag time 12 minutes
183	1.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc. Tr carb flecks.		Continue to make mud - marl being dispersed, not noted in washed samples. Marl appears to be lt brn. soft, dispersive
186	1.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc		
189	1.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc		
192	2.0	0	100% LIMESTONE & MARL: a/a fg Tr glauc Comm. Tr. calc sltst. a/a		
195	1.0	0	100% LIMESTONE & MARL: a/a fg Tr glauc Comm. Tr. calc sltst. a/a		
198	3.7	0	90% LIMESTONE & MARL: a/a fg 10% MARL: lt gm, soft, dispersive, v.calc.		Note: Sample probably 40-50% marl for ~ last 130 m
201	2.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc Comm. Tr. calc brn sltst. a/a		
204	2.7	0	100% LIMESTONE & MARL: a/a fg Tr glauc Comm. Tr. calc sltst. a/a		
207	3.3	0	100% LIMESTONE & MARL: Interbedded. Lt Gy-cream. Unconsolidated, cons. of f-mg coral and shell frags. incl bryozoa, gasteropods, lamellibranchs, echinoid spines. Dull yell. min fluor. No cut. Rare Tr glauc.		

210	2.0	0	100% LIMESTONE & MARL: a/a Rare Tr glauc	
213	3.0	0	100% LIMESTONE & MARL: a/a Common tr green claystone, soft calc. Tr glauc.	
216	5.0	0	100% LIMESTONE & MARL: a/a Tr glauc.	
219	5.0	0	100% LIMESTONE & MARL: a/a Tr glauc, Tr grn claystone	
222	3.7	0	100% LIMESTONE & MARL: f-mg a/a Tr glauc	
225	4.6	0	100% LIMESTONE & MARL: f-mg a/a Tr glauc	
228	5.0	0	100% LIMESTONE & MARL: f-mg a/a Tr glauc	
231	4.7	0	100% LIMESTONE & MARL: f-mg a/a Tr glauc	
234	4.8	0	100% LIMESTONE & MARL: f-mg a/a Tr glauc Tr dark green calc. siltstone	
237	3.0	0	100% LIMESTONE & MARL :f-mg a/a common glauconite common tr dark green-brn siltstone	
240	5.3	0	90% LIMESTONE & MARL f-mg a/a common glauconite	
243	2.7	0	10% SILTSTONE siltstone gy brn calc. tr pyrite	
246	5.3	0	25% LIMESTONE & MARL a/a 75% SILTSTONE a/a Tr glauconite, Tr pyrite	
249	4.0	0	100% LIMESTONE & MARL a/a Tr glauconite Tr pyrite	
252	2.7	0	25% LIMESTONE & MARL a/a 75% SILTSTONE a/a Tr glauconite tr pyrite	
255	3.0	0	25% LIMESTONE & MARL a/a 75% SILTSTONE a/a Tr glauconite Tr pyrite	
258	3.7	0	90% LIMESTONE & MARL; a/a 10% SILTSTONE: a/a Comm. tr glauconite	
261	4.6	0	50% LIMESTONE & MARL a/a 50% SILTSTONE: a/a Comm. tr glauconite	
264	4.3	0	50% LIMESTONE & MARL a/a 50% SILTSTONE: a/a Comm. tr glauconite	
			80% SILTSTONE: a/a gy grn, calc. 20 % LIMESTONE & MARL a/a Comm. tr glauconite	

267	3.3	0	60% SILTSTONE: a/a gy gm, calc. 40% LIMESTONE & MARL a/a Comm. tr glauconite		
270	3.3	0	50% LIMESTONE & MARL a/a 50% SILTSTONE gy gn, calc common pyrite Comm. tr glauconite		Carbide test 82 units from 15 gm carbide. 19 mins bottoms up.
273	4.0	0	60% LIMESTONE & MARL a/a 40% SILTSTONE a/a Comm. tr glauconite		Suspect limestone is recycled from pit.
276	7.0	1	70% LIMESTONE & MARL a/a 30% SILTSTONE a/a Comm. tr glauconite		
279	7.0	1	70% LIMESTONE a/a 30% SILTSTONE a/a Comm. tr glauconite		
282	6.8	1	80% LIMESTONE a/a 20% SILTSTONE a/a Comm. tr glauconite		
285	9.3	2	90% SILTSTONE: gy gm, gy brn, arg, calc.soft 10% LIMESTONE: a/a Tr glauc.		
288	15.7	2	50% SILTSTONE : gy gm, gy brn, arg, calc, soft 50% LIMESTONE: a/a (Recycled?) Tr glauconite		,
291	9.7	2	50% SILTSTONE : a/a 50% LIMESTONE : a/a (Recycled?) Tr glauconite		
294	18.3	2	50% SILTSTONE :a/a 50% LIMESTONE :a/a (Recycled?) Tr glauconite Tr pyrite		
297	9.3	2	70% LIMESTONE a/a (Recycled?) 30% SILTSTONE :a/a Tr glauconite; common Tr pyrite		
300	8.3	3	70% LIMESTONE a/a (Recycled?) 30% SILTSTONE :a/a Tr glauc.		
303	5.7	2	50% LIMESTONE a/a (Recycled?) 50% SILTSTONE :a/a Tr glauc. Tr sst vfg, arg, calc.		Mud wt in 8.6 lb/gall Mud wt out 8.7 lb/gall
306	7.1	2	80% LIMESTONE a/a (Recycled?) 20% SILTSTONE :a/a Tr glauc.		

309	7.0	2	60% LIMESTONE a/a (Recycled?) 40% SILTSTONE :a/a Tr glauc.	
312	10.7	2	60% LIMESTONE a/a (Recycled?) 40% SILTSTONE :a/a Tr glauc.	
315	4.3	2	80% LIMESTONE a/a (Recycled?) 20% SILTSTONE :a/a Tr glauc. Comm. tr pyrite Tr blk carb spx.	
318	7	2	50% LIMESTONE a/a (Recycled?) 50% SILTSTONE :a/a Tr glauc. Tr pyr	
321	4	3	50% LIMESTONE a/a (Recycled?) 50% SILTSTONE :a/a Tr glauc. Tr pyr	
324	5.3	3	50% LIMESTONE a/a (Recycled?) 50% SILTSTONE :a/a Tr glauc. Tr pyr Tr Sst lt brn, vfg, w/s, arg, calc soft	
327	4.7	2	60% LIMESTONE a/a (Recycled?) 35% SILTSTONE: a/a 5% SST lt brn, vfg, w/s, calc, carb. soft. Tr glauc.	
330	9.0	2	70% LIMESTONE a/a (Recycled?) 30% SILTSTONE: a/a Comm. Tr glauc. Tr SST a/a	
333	11.7	2	70% LIMESTONE a/a (Recycled?) 30% SILTSTONE: a/a Comm. Tr glauc. Tr SST a/a	
336	10.3	3	70% LIMESTONE a/a (Recycled?) 30% SILTSTONE :a/a common Tr glauconite , Tr SST a/a	
339	6.6	3	60% LIMESTONE a/a (Recycled?) 30% SILTSTONE: a/a Comm.. 10% SST lt brn, gm, vfg, w/s, arg, calc. soft Tr glauc	
342	7	3	60% LIMESTONE a/a (Recycled?) 30% SILTSTONE: a/a Comm.. 10% SST lt brn, gm, vfg, w/s, arg, calc. soft Tr glauc <i>At 342 m switched to continuous coring.</i>	

913649 050

Appendix 5

Core Descriptions / Gas Log

## BUNGA CREEK-1 CORE DESCRIPTIONS /GAS LOG

Depth	Core Description	Gas
342-342.72	SANDSTONE: lt brn,gy brn, vf-fg v. silty w/sort, with qtz, blk carb spx, fine mica in a soft, calc.matx. Comm tr glauc. Rare small shell frags. Tight. No fluor.	1
342.72 - 342.9	SANDSTONE a/a with a hard calc matx.	1
342.9 - 342.95	SANDSTONE: lt brn,gy brn, vf-fg v. silty w/sort, with qtz, blk carb spx, fine mica in a soft, calc.matx. Rare fossil mollusc shell frags. Tight. No fluor.	
342.95 - 343.55	LOST CORE (0.60 m)	
343.55 - 345.5	SANDSTONE: a/a No fluor.	2
345.5 - 345.8	SANDSTONE a/a with a hard calc matx. No fluor.	3
345.8 - 350.3	SANDSTONE: lt brn,gy brn, vf-fg v. silty w/sort, with qtz, blk carb spx, fine mica in a soft, calc.matx. Rare shell frags. Tight. No fluor. Occ fossil mollusc fossils throughout Pyrite nodule circa 349.6	2
350.3 - 350.4	SANDSTONE a/a with a hard calc matx. Near vertical fracture throughout with abdt pyrite mineralisation.No fluor.	2
350.4 - 357.75	SANDSTONE: lt brn,gy brn, vf-fg v. silty w/sort, with qtz, blk carb spx, fine mica in a soft, calc.matx. Occ fossil mollusc fossils throughout. Tight. No fluor. Pyrite nodule circa 349.6	2
357.75 - 358.9	SANDSTONE: gy-grn, subdrd, fg, w/sort, soft, slty, calc with qtz, carb spx, comm. tr pyrite, comm. tr glauc in a calc slty matx. Common mollusc frags. Tight. No fluor. except min fl. from shells.	2
358.9 - 359	SANDSTONE : a/a but lt brn, hard with strong calc cement. No fl.	1
359 - 360.5	SANDSTONE: gy-grn, subdrd, fg, w/sort, soft, slty, calc with qtz, carb spx, comm. tr pyrite, comm tr glauc in a calc slty matx. Common mollusc frags. Tight. No fluor. Abdt shells 2 362.2	1
360.5-360.13	SANDSTONE : a/a gy-grn, v.hard with strong calc cement. No fl.	1
360.13 - 363.48	SANDSTONE: gy-grn, subdrd, f-mg, w/sort, firm, slty, calc with qtz, carb spx, comm. tr pyrite, comm tr glauc in a sl. calc slty matx. Common mollusc frags. Tight. No fluor.	1
363.48 - 364.28	SANDSTONE: a/a harder, stronger calc cement in part, common mollusc fragments. Occ cg subdrd qtz.	
364.28- 364.45	Granodiorite	

PE651031

This is an enclosure indicator page.  
The enclosure PE651031 is enclosed within the  
container PE913649 at this location in this  
document.

The enclosure PE651031 has the following characteristics:

ITEM\_BARCODE = PE651031  
CONTAINER\_BARCODE = PE913649  
NAME = Bunga Creek-1 Gamma-CCL Well Log  
BASIN = GIPPSLAND  
ONSHORE? = Y  
DATA\_TYPE = WELL  
DATA\_SUB\_TYPE = WELL\_LOG  
DESCRIPTION = Bunga Creek-1 Gamma-CCL Well Log, Scale  
1"=20m, (Encl. from Bunga Creek-1  
Stratigraphic Core Hole Well Completion  
Report), Lakes Oil N.L., 24th November  
2002.  
REMARKS =  
DATE\_WRITTEN = 24-NOV-2002  
DATE\_PROCESSED =  
DATE\_RECEIVED =  
RECEIVED\_FROM = Lakes Oil N.L.  
WELL\_NAME = Bunga Creek-1  
CONTRACTOR =  
AUTHOR =  
ORIGINATOR = Lakes Oil N.L.  
TOP\_DEPTH = 0  
BOTTOM\_DEPTH = 300  
ROW\_CREATED\_BY = FH11\_SW

(Inserted by DNRE - Vic Govt Mines Dept)