CONAN-1

DEPT. NAT. RES & ENV PE600560

BHP

WELL SUMMARY

PETROLEUM PERMIT: VIC/P31
SURFACE LOCATION
SEISMIC REFERENCE: OH94-246 SP:1147
LONGITUDE: 142 46 52.22" E; X: 654,520.8 mE
LATITUDE: 38 52 14.95" S; Y: 5,696,036.1 mN

PRIMARY TARGET:
MINERVA FORMATION

SECONDARY TARGET:
LA BELLA FORMATION

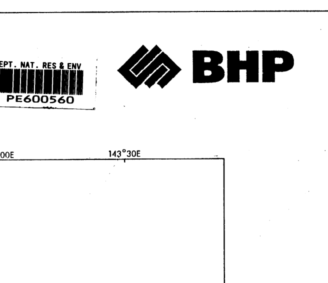
WELL STATUS: DRY HOLE - ABANDONED

ELEVATION: DATUM: MEAN SEA LEVEL
LOG REF: RT. 25 m ABOVE DATUM
SEA BED: 70m BELOW DATUM

DATES: ON LOCATION: 0900hrs, 22-JUL-1995
SPUDDED: 0200hrs, 24-JUL-1995
TOTAL DEPTH: 2230hrs, 31-JUL-1995
RIG RELEASED: 1330hrs, 05-AUG-1995

TOTAL DEPTH: 1985mRT 1985mTVDSS

DRILLED BY: OCEAN BOUNTY
DIAMOND M OFFSHORE



WIRELINE SUMMARY

	Suite 1	Suite 2	Suite 3	Suite 4	Suite 5	Suite 6
Date	01-AUG-1995					
First Reading	1957m					
Last Reading	95m					
CSG (Logger)	1200m					
CSG (Driller)	1200m					
Depth (Driller)	1985m					
Mud Type	KCL-NEW DRILL					
Mud Resistivity	0.125 ohm at 12.0C					
Rmf	0.102 ohm at 12.0C					
Rmc	0.140 ohm at 11.0C					
Max. Rec. Temp.	70.0 C					
Bit Size	12 1/4"					
Casing Size	13 3/8"					
Wireline Logs	AS-MSFL-GR-DLL-AMS					
	CSI (VSP)					
	FMI-LDL-CNL-GR-AMS					
	CST-GR					

LITHOLOGY AND ENGINEERING LEGEND

CLASTICS: CONGLOMERATE; SANDSTONE - COARSE; SANDSTONE - MEDIUM; SANDSTONE - FINE; SILTSTONE; CLAYSTONE; CALCAREOUS CLAYSTONE; SHALE; COAL

CARBONATES: CALCARENITE; CALCILUTITE; CALCISILTITE; LIMESTONE; DOLOMITE; ANHYDRITE; GYPSUM; HALITE; MARL

OTHERS: BRECCIA; CHERT; VOLCANICS; METASEDIMENTS; IGNEOUS; DOLERITE; INDETERMINATE

ACCESSORIES: ARGILLACEOUS; CALCAREOUS; DOLOMITIC; FOSSILIFEROUS; FORAMINIFERA; GASTROPODS; PLANT REMAINS; BIVALVE; BRYOZOA; CORAL; INOCERAMUS; RADIOLARITES; FELDSPATHIC; FRACTURES; RECRYSTALLIZED; GLAUCONITIC; SIDERITIC; SILICEOUS; CARBONACEOUS; MICACEOUS; LITHIC FRAGMENTS; PYRITE; FERRIGENOUS

ENGINEERING: CASING SHOE; CASING HANGER; RFT PRETEST; RFT SAMPLE; HYDROCARBON SHOW; PERFORATIONS; CORED INTERVAL CORE LOSS; SIDEWALL CORE; SIDEWALL CORE - NO RECOVERY; PLUGGED INTERVAL

INTERPRETATION BY: J.PRESTON/A.CERNOVSKIS
COMPILED BY: C.ELLIS
DRAWN BY: G. TRENKNER
SCALE: 1:500

CSG PLUGS PERFS	TESTS	HYDROC. INDIC.	DEPTH RT (m)	TVDSS (m)	0 GAMMA RAY 200 / 6" CALIPER 26" / -80 SP 20	CORES	LITHOLOGY	RESISTIVITY (Ohm.m²/m) LLD / LLS / MSFL 0.2 – 2000	INTERVAL TRANSIT TIME (us/m) with VSP TWTIME (ms) scale 500 – 100	LITHOLOGY DESCRIPTION	STRATIGRAPHY FM / GROUP / STAGE / SYSTEM

SEA FLOOR 95mRT
(70mSS)

CALCARENITE: off white, light to medium olive grey, soft to friable, very fine to medium grained, subangular to angular, moderately sorted, common to abundant weak to moderate calcareous cement/matrix, trace argillaceous matrix, grades to silty marl in places, trace micrite, trace to rare glauconite nodules, rare to minor fossils.

MARL: light to medium olive grey, blocky to amorphous, commonly dispersive, firm to soft, minor silty to arenaceous material, trace to rarely very fine calcite grains, trace glauconite.

PORT CAMPBELL LIMESTONE / HEYTESBURY GROUP / MIOCENE TO RECENT ?

TOP GELLIBRAND MARL 350mRT ?
(325mSS)

MARL: light to medium olive grey, light grey, trace light brown, blocky to amorphous, commonly dispersive, firm to soft, minor silty to arenaceous material, trace calcisiltite, trace to rarely very fine calcite grains, trace glauconite.
CALCARENITE: clear, light brown to light grey, loose, friable to moderately hard, very fine to fine grained, subangular to trace subrounded, moderately to well sorted, common moderate calcareous cement, rare to light brown argillaceous matrix, trace to rare glauconite, trace to abundant fossil fragments, common forams.

GELLIBRAND MARL / HEYTESBURY GROUP / MIOCENE ? / TERTIARY

TOP NIRRANDA GROUP 568mRT
(543mSS)

MARL: light grey to light brownish grey, commonly light green, trace yellow brown, trace white, trace yellow, soft to predominantly dispersive, common to abundant calcisiltite, common terrigenous silt, trace glauconite grains, trace lithics, trace forams.
CALCARENITE: clear to off white, yellow/brown, loose, fine grained, angular to trace subangular, well sorted, common to abundant fossil fragments including trace to common forams, common calcite cemented aggregates, trace glauconite, trace lithics.

NARRAWATURK MARL / NIRRANDA GROUP / OLIGOCENE ? / TERTIARY

TOP WANGERRIP MEGASEQUENCE 868mRT
(843mSS)

SANDSTONE: (868-900mRT), quartzose, ferrigenous, translucent to brown, reddy brown Fe stained, medium to coarse grained, rarely very coarse to granules, loose to friable, rarely moderately hard, subrounded to subangular, moderately to poorly sorted, minor weak to moderate calcite cement, rare calcite matrix, trace lithics, good inferred porosity, fair visual porosity, no show.

? Mepunga Fm.??

SANDSTONE: (900-1050mRT), quartzose, clear to transparent, opaque, loose, minor to common aggregates, fine to very coarse grained, rare granules, subangular to subrounded, moderately to poorly sorted, trace to common strongly cemented calcite cemented aggregates, trace to rare siliceous cemented/quartz overgrowths, trace pyrite cemented, rare to minor brown argillaceous matrix, trace mica flakes, good inferred porosity, fair to poor visual porosity, no show.

CLAYSTONE: brown to dark brown, blocky to amorphous, soft to firm, dispersive, minor sticky, arenaceous with minor to common medium grained sand, trace disseminated pyrite, race mica flakes, trace very fine carbonaceous specks.

CLAYSTONE: (1058-1189), grey, medium to dark grey, grey/brown, blocky to amorphous, soft to firm, dispersive, minor sticky, common to abundant silt, rare to minor fine sand grains, trace disseminated pyrite, trace mica flakes, trace micromicaceous, trace very fine carbonaceous specks, trace glauconite, grades to silty claystone in places.

SANDSTONE: quartzose, clear to transparent, trace reddy brown, loose, fine grained, subrounded to commonly subangular, well sorted, rare pyrite cemented, trace glauconite, trace mica, poor to good inferred porosity, no show.

WANGERRIP MEGASEQUENCE / EOCENE ? / TERTIARY

TOP SHERBROOK GROUP 1189mRT
BASE TERTIARY UNC. (1164mRT)

CLAYSTONE: medium grey to olive grey, dark grey, grey brown, blocky, soft to firm, trace to minor fine to medium grained sand grains, trace very fine carbonaceous material, trace glauconite, trace to common silt, trace very fine mica flakes, trace disseminated pyrite.

SANDSTONE: quartzose, light grey, clear to translucent, friable, fine to medium grained, subangular to subrounded, moderately sorted, minor weak to strong calcareous cement, trace to rare light brown argillaceous matrix, trace lithics, poor visual porosity, no show.

CLAYSTONE: medium grey to grey brown, olive grey, soft to firm, minor dispersive, blocky to amorphous, trace to commonly silty, trace carbonaceous specks, trace disseminated pyrite, trace inoceramus fragments, trace gastropod fragments, trace calcite crystals, trace dolomite.

BELFAST FORMATION / SHERBROOK GROUP / SANTONIAN - CAMPANIAN / LATE CRETACEOUS

TOP MINERVA FM 1717mRT
(1692mSS)

SANDSTONE: quartzose, very light grey with translucent to transparent quartz grains, loose with trace to common friable aggregates, fine grained to granule size, predominantly coarse grained, subangular to commonly subrounded and trace angular, moderately to well sorted, minor siliceous cement, trace calcite cement, trace dolomite cement, trace pyrite cement, trace to common pale white argillaceous matrix, trace glauconite, moderate to predominantly good inferred porosity, no show.

CLAYSTONE: medium grey to grey brown, soft to firm, minor moderately hard, amorphous, minor to commonly blocky-subfissile, commonly silty, grades to siltstone and very fine to fine grained argillaceous sandstone in places, trace micromicaceous, trace to minor glauconite, trace very fine carbonaceous specks, trace disseminated and nodular pyrite, trace very fine sand grains, non to slightly calcareous.
SILTSTONE: dark grey, grey brown, firm to moderately hard, subblocky to rarely fissile, trace micromicaceous, trace to rare glauconite, trace very fine carbonaceous specks, trace lithics, trace disseminated pyrite.

MINERVA FORMATION / SHIPWRECK GROUP / CONICIAN - TURONIAN / TERTIARY

TOP LA BELLA FM 1801mRT
(1776mSS)

SILTSTONE: light grey to light brownish grey, firm, common carbonaceous specks and laminations, grades to coal in places, abundant argillaceous material, trace micromicaceous, trace fine grained sand, non calcareous, trace disseminated pyrite, grades to silty claystone.
ARGILLACEOUS SANDSTONE: light grey to pinkish grey, white, greyish yellow, commonly light brownish grey with translucent quartz grains, friable to firm, commonly loose, fine to very coarse grained, predominantly fine to medium, subrounded to angular, predominantly subangular, poorly sorted, abundant light grey to pinkish grey to light brownish grey argillaceous matrix, trace calcite cement, common lithics, trace disseminated pyrite, trace glauconite pellets, nil to poor visual porosity, no show.
CLAYSTONE: light to dark grey, firm, common carbonaceous specks and laminations, trace silt and fine sand grains, trace micromicaceous, non calcareous.

LA BELLA FORMATION / SHIPWRECK GROUP / CENOMANIAN

TOP OTWAY GROUP 1858mRT
(1833mSS)

ARGILLACEOUS QUARTZ/LITHIC SANDSTONE: light greenish grey to greyish green, common to abundant light to medium grey, trace light brown, trace greyish yellow, trace moderate red, trace pinkish grey, loose to commonly friable aggregates, fine to coarse grained, predominantly medium grained, subrounded to predominantly subangular, poorly sorted, 40% varicoloured lithic grains, trace mica flakes, trace feldspar, 40% translucent quartz grains, abundant light grey to white argillaceous matrix, trace calcite cement, trace carbonaceous specks, nil to poor visual porosity.
CLAYSTONE: light to medium grey, very light grey, firm, trace fine grained sand, trace silt, trace to rare carbonaceous specks, trace mica flakes, non calcareous.

ARGILLACEOUS QUARTZ/LITHIC SANDSTONE: light greenish grey to greenish grey, commonly light grey, trace light brown, trace greyish yellow, trace moderate red, trace pinkish grey, trace brownish black, trace dark green, loose to commonly friable aggregates, fine to very coarse grained, predominantly coarse grained, subrounded to predominantly subangular, poorly sorted, 40-50% varicoloured lithic grains, trace mica flakes, trace feldspar, 30-40% translucent quartz grains, abundant light grey to white argillaceous matrix, trace calcite cement, trace carbonaceous specks, nil to poor visual porosity.

EUMERALLA FORMATION / OTWAY GROUP / EARLY CRETACEOUS