PETROLEUM DIVISION 28 SEP 1992
FROM Big Desert-1 WELL COMPLETION REPORT
PE613762

COMPOSITE WELL LOG

CONTINENTAL RESOURCES N.L.

BIG DESERT No.1

PERMIT : PEP 121 **BASIN : MURRAY** **STATE : VICTORIA** **WELL STATUS : P & A**

Location : Latitude 35°23.68 S
Longitude 141°13.16 E
Fracture Intersection : 86
Elevation : G.L. 100·0m
K.B. 103·5m
Total Depth : Driller 1254·4m
Logger 1254·0m
Logged by : Schlumberger
Mud Logging by : Halliburton Geodata
Cementing : Halliburton / D.M.I.D.

Date Spudded : 1300 hrs, 13-5-1991
Date Reached T.D. : 1100hrs, 14-6-1991
Date Rig Released : 2400hrs, 15-6-1991
Drilling Contractor : D.M.I.D.
Rig No. : 21

Hole Size	From	To
16"	Surface	5·0m
12 ¼"	5·0m	256·0m
8 ½"	256·0m	1254·0m

CASING SIZE	GRADE	WEIGHT	SHOE	CEMENTED TO
16"	CONDUCTOR	—	5·0m	Surface
9 ⅝"	P 110	47 lb./ft	252·3m	Surface

CEMENT PLUG	FROM	TO	SACKS
PLUG No.1	550·0m	490·0m	75
PLUG No.2	285·0m	215·0m	85
PLUG No.3	SURFACE		30

WIRELINE LOG DATA

DATE	14, June, 1991	LOG	Date	Interval	Scale
RUN No.	1	DLL/MSFL/GR	14-6-91	248·5 - 252·0m	1:200 1:500
Rm at Measured Temp.	0·324 at 82·4°F	BHC/GR	14-6-91	248·5 - 252·0m	1:200 1:500
Rmf at Measured Temp.	0·337 at 82·4°F	LDL/CNL/GR	14-6-91	253·0 - 450·0m	1:200 1:500
Rmc at Measured Temp.	0·550 at 82·4°F	Velocity Surv/VSP	14-6-91	250·0 - 250·0m	60 levels (Total)
Source Rmf / Rmc	PRESS / PRESS	Sidewall Core	15-6-91	253·0 - 348·0m	1 Gun 30 Cores
Rm at BHT	0·254 at 107·0°F				
Time since Circ. stopped	2 ⅝ hrs				
Max. recorded Temp.	107·0°F				

FORMATION TEST

None.

LITHOLOGICAL REFERENCE

Sandstone, Marl, Dolomite, Tillite, Micro Fossil, Macro Fossil, Siltstone, Limestone, Coal, Basement, Pyrite, Glauconite, Claystone, Calcareous, Carbonaceous / Minor Coal, Not Seen Not Recovered, Iron Oxide, Hydr.,etc., Siliceous Cement, Oolith, Pisolith, etc., Lithic Frag.ments

WELL SYMBOLS

SIDEWALL CORE: RECOVERED, UNRECOVERED
CONV. CORE: 1320-1, (2), 1320-2
EXTRACTED OIL SHOW
CASING SHOE
PLUGGED INTERVAL

OPERATOR

CONTINENTAL RESOURCES N.L.

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Drawn By : S.Clark.
Date : September, 1991
Drawing No. :

LOCATION MAP

MUD LOG | GR - SP CAL | RESISTIVITY | INTERPRETED LITHOLOGY | SONIC | DENSITY / NEUTRON | DAILY PROGRESS | DEPTH / CASING & PLUGGED INTERVAL | BIT RECORD | LITHOLOGICAL DESCRIPTION | CONVENTIONAL CORE | SIDEWALL CORE | FLUORESCENCE | EXTRACTED OIL SHOW | PALYNOLOGY | STRATIGRAPHY: FORMATION / GROUP / AGE

PARILLA SAND — TERTIARY

DDOO LIMESTONE — MURRAY GROUP

ETTRICK MARL — MURRAY GROUP

OLNEY FORMATION — RENMARK GROUP

BERNINA SAND MEMBER — OLNEY FORMATION

STAGE 2 OR PAT ZONE OF LATEST CARBONIFEROUS TO EARLIEST PERMIAN AGE

CAPE JERVIS BEDS EQUIVALENT — PERMO - CARBONIFEROUS

GRAMPIANS GROUP / MULGA DOWNS GROUP EQUIVALENT — (?) DEVONIAN

UNCONFORMITY (TOTALLY BARREN)

NONE DETECTED

Sandstone, clear to translucent, unconsolidated to firm, medium becoming coarse with depth, trace lithic with depth, with rare claystone bands, fr micb and pyrite, trace fossil fragments at the base, good visual porosity

Calcarenite, very light grey to white, friable to moderately hard, extremely fossiliferous, in part made of 100% fossil fragments, with occasional hard limestone bands, good visual porosity.

Marl, whitish grey, hard, blocky, glauconitic occasionally fossiliferous

Sandstone, clear to translucent, fine to medium, subangular to subrounded, well sorted quartz, unconsolidated, good visual porosity, interbedded with

Claystone, brownish black, soft, dispersive, non-calcareous, interbedded / interlaminated with

Coal, black to brownish black, firm, dull, subfissile to crumbly and minor

Siltstone, medium to dark grey, moderately hard, non-calcareous, micaceous in part

Sandstone, clear to frosty, unconsolidated, medium to coarse becoming coarse to very coarse with depth, subangular to subrounded, moderately sorted quartz, rare light to medium grey dispersive clay matrix, rare pyrite and mica, good visual porosity.

Claystone, light greenish grey, becoming light brown grey with depth, soft to firm, dispersive, blocky and subfissile in part, silty and occasionally sandy in part, non calcareous

Tillite, white, pink and orange clasts of granite, schists, quartz and volcanics in reddish brown argillaceous matrix which is silty and calcareous in part, firm to hard, rare pyrite.

Sandstone, clear to translucent, dominantly iron stained at the top, becoming non stained with depth, minor iron staining towards the base, firm at the top becoming hard and very hard with depth, fine to medium, rarely coarse at the top, dominantly fine to medium, subangular to rounded, dominantly subangular to subrounded, moderately to poorly sorted quartz, common ferrigi nous clay matrix at top, becoming less common and non ferriginous with depth, trace to common strong silica cement, fair to poor visual porosity

Sandstone, generally as above with minor

Claystone, dark reddish brown, blocky to sub-blocky, non-calcareous.

8	1245·0	No Recovery
7	1251·5	Recovery
6	1252·8	Recovery
5	1251·0	No Recovery
4	1252·0	No Recovery
3	1253·0	Recovery

TOTAL DEPTH 1254.0m

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