COMPOSITE WELL LOG
ENDEAVOUR OIL COMPANY N. L.
ALBATROSS No. 1

PETROLEUM TENEMENT: VIC / P 8 STATE: VICTORIA BASIN: GIPPSLAND SHEET: R 502 "SALE" (J55-11)

WELL STATUS: PLUGGED & ABANDONED

LOCATION Lat: 37° 57' 30" S Water Depth: 142'
Long: 148° 03' 18" E

ELEVATION K. B. 32' above mean sea level (well datum)
R.T. 31' a.m.s.l.

Date Spudded: June 30, 1970
Date Reached T. D.: July 15, 1970 Total Depth: Driller 4118' Logger 4124'
Date Rig Released: July 18, 1970

Hole Size	Inches	From	To
	36	Ocean Floor	214'
	26	214'	710'
	17½	710'	1750'
	12¼	1750'	4124' (T.D.)

Casing	Inches	Wt	Gr	Depth	Cmt	Cmt'd to
	30	319	B	200'	—	Ocean Floor
	20	94	X-52	678'	1100	Ocean Floor
	13⅜	61	J-55	1703'	1340	Ocean Floor

Cement Plugs	Number	From	To	Sacks
	1	2500'	2160'	255 (Tagged with 10,000 lbs wt.)
	2	1800'	1600'	242
	3	430	220'	165

	INDUCTION ELECTRIC LOG		BOREHOLE COMPENSATED SONIC LOG-GAMMA RAY		FORMATION DENSITY LOG COMPENSATED	FORMATION DENSITY LOG UNCOMPENSATED	MICROLATEROLOG MICROLOG — CALIPER	
RUN NUMBER	1	2	1	2	1	2	1	2
Date	5 July, 1970	15 July, 1970	5 July, 1970	16 July, 1970	5 July, 1970	15 July, 1970	6 July, 1970	15 July, 1970
Depth — Driller	1750'	4118'	1750'	4118'	1750'	4118'	1750'	4118'
Depth — Logger	1752'	4124'	1753'	4123'	1753'	4124'	1752'	4123'
Bottom Log Interval	1751'	4123'	1750'	4121'	1752'	412	1751'	4122'
Top Log Interval	678'	1702'	678'	1702'	678'	1702	700'	1702'
Casing — Driller	20" to 678'	13⅜" to 1703'	20" to 678'	13⅜" to 1703'	20" to 678'	13⅜" to 1703'	20" to 678'	13⅜" to 1703'
Casing — Logger	678'	1702'	678'	1702'	678'	1702'	678'	1702'
Bit Size	12¼"	12¼"	12¼"	12¼"	12¼"	12¼"	12¼"	12¼"
Type of Fluid in Hole	Caustic	Spersene	Caustic	Spersene	Caustic	Spersene	Caustic	Spersene
Density / Viscosity	9·4 / 67	10·1 / 42	9·4 / 67	10·1 / 42	9·4 / 67	10·1 / 42	9·4 / 67	10·1 / 42
pH / Fluid Loss	9·0 / 8·2ml	9·0 / 8·2ml	9·0 / 8·2ml	9·2 / 8·2ml	—	—	9·0 / 8·2ml	9·0 / 8·2ml
Salinity	—	—	—	—	12000	5300	—	—
Level	—	—	—	—	Surface	Surface	—	—
Source of Sample	Flowline	Flowline	Flowline	Flowline	—	—	Flowline	Flowline
Rm at Meas. Temp	0·62 at 57°F	1·38 at 54°F	0·62 at 57°F	1·38 at 54°F	—	—	0·626 at 57°F	1·38 at 54°F
Rmf at Meas. Temp	0·42 at 57°F	1·31 at 54°F	0·42 at 57°F	1·31 at 54°F	—	—	0·42 at 57°F	1·38 at 54°F
Rmc at Meas. Temp	0·84 at 57°F	2·27 at 54°F	0·84 at 57°F	2·27 at 54°F	—	—	0·84 at 57°F	2·27 at 54°F
Source Rmf / Rmc	Press / Press	Press / Press	Press / Press	Press / Press	—	—	Press / Press	Press / Press
Rm at BHT	0·37 at 100°F	0·54 at 140°F	0·37 at 100°F	0·54 at 140°F	—	—	0·37 at 100°F	0·54 at 140°F
Time Since Circulation	3 hours	4 hours	6 hours	12 hours	2 hours	3 hours	10 hours	3 hours
Max. Rec. Temp	100°F	140°F	102°F	140°F	104°F	146°F	106°F	140°F
Equip. / Location	2035 / Sale	2035 / Sale	2035 / Sale	2035 / Sale	2035 / Sale	2035 / Sale	2035 / Sale	2035 / Sale
Recorded by	Schon, Roberts	Schon, Roberts	Schon, Roberts	Schon, Roberts	Schon, Roberts	Schon, Roberts	Schon, Roberts	Schon, Roberts
Witnessed by	Morris	Jessop, Hocking	Morris	Jessop, Hocking	Morris	Jessop, Hocking	Morris	Jessop, Hocking

OTHER LOGS

Continuous Dipmeter — Run 1 1702 – 4121'

Well Head Fitting: —
Drilled by: Global Marine
Drilling Method: Rotary
Logged by: Schlumberger SEACO Inc
Cemented by: Halliburton Services
Lithology by: J.K. Morris and J.B. Hocking
Drafting by: Geodrafting Services Pty. Ltd.

LITHOLOGIC REFERENCE

- Limestone
- Limestone, skeletal (biocalcarenite)
- Limestone, argillaceous
- Marl
- Mudstone
- Shale
- Siltstone
- Coal
- Sandstone
- Sandstone, gravelly
- Sandstone, tuffaceous
- Calcareous
- Sideritic
- Glauconite abundant
- Pyrite abundant
- Limonite

WELL SYMBOLS

- Casing shoe
- Plugged interval
- Core interval, number and recovery

BIT TYPE and REMARKS

Bit No.1 17½" Reed YTIA-J 426' in 10¾ hrs
26" HC Security 426' in 10¾ hrs
Bit No.2 12¼" HTC X3A 1040 in 5¾ hrs

NOTE
Controlled drilling between 1750' & 2320' drilled at approx 1 connection every 10 mins where possible

DRILLING RATE Min / Ft (Minutes 2 6 10 14 18 22 26)

DEVIATION

CASING and PLUGS
36" 40 Security 40' in 1/4 hrs
No.3 20" vecto 94 lb 678'
1/2° 709'
No.2 13⅜ 1703'
1° 1750'

CORES, Recovery

GAS DETECTOR (Hot Wire Units) 0 50 100

HYDROCARBONS & LOST CIRC

DEPTH Feet

POROSITY Percent 18 12 6 0 6

LITHOLOGY % cuttings
No samples caught
OCEAN FLOOR
Cement covings

WELL SYMBOLS

SPONTANEOUS POTENTIAL Millivolts

INTERPRETED LITHOLOGY

RESISTIVITY Ohms — m²/m
A-16-M Short Normal 0 20 200
Induction 0 20 200
Amp. Short Normal 0 4

CONDUCTIVITY Millimhos/m (1000 / Ohms-m²/m)
6 FF40 Induction 1000 0 2000

GAMMA RAY API Units 0 150

CALIPER Hole Diameter in Inches 6 16

B H COMPENSATED SONIC LOG
Interval Transit Time Microseconds per foot
P 3 R 2 R 140 90 40 190 140

FORMATION DENSITY LOG
Bulk Density Gms / cc 2·0 2·5 3·0

MICROLOG Ohms m²/m
Micro Inverse 1 x 1" 20 0
Micro Normal 2" 20 0
MICROCALIPER Hole Diameter in Inches 6 16

MICROLATEROLOG Ohms — m²/m 0·2 1·0 10 100 1000

CHANGE OF SCALE 1 2 3 4 5 6 7

RUN 1 RUN 2

LITHOLOGIC DESCRIPTION

0 – 710' No samples caught

710 – 859' LIMESTONE (biocalcarenite): buff-colored, friable, fossiliferous, (bryozoa-rich), skeletal, with scattered quartz sand and traces of glauconite and pyrite, high porosity.

859 – 1200' LIMESTONE: as above but buff to light grey, with argillaceous streaks

1200 – 1357' LIMESTONE: yellow grey to light grey, soft to firm, calcarenitic, fossiliferous (bryozoal), slightly skeletal, generally argillaceous, traces of glauconite and pyrite.

1357 – 1749' LIMESTONE and MARL
Limestone: yellow grey, firm, fossiliferous (mainly bryozoa), very fine-grained, slightly argillaceous, glauconite and pyrite traces; below 1548' becomes cream to buff, non-argillaceous, and locally skeletal.
Marl: light to medium light grey, soft, fossiliferous, calcareous glauconite traces.

1749 – 2060' MARL, minor LIMESTONE
Marl: yellow grey to light grey, soft to firm, calcareous, fossiliferous, scattered sand grains, traces of glauconite, pyrite and mica
Limestone: as above (1357 – 1749') slightly argillaceous type down to 1827', non-argillaceous below

STRATIGRAPHIC COLUMN

GIPPSLAND FORMATION — MIOCENE
LOWER MIOCENE — MIDDLE