COLLIERS HILL No. 1.
T/S Top Bay D

COMPOSITE WELL LOG

COLLIERS HILL No.1

LOCATION Lat. 38° 11' 56"S
Longit. 147°17' 30"E

ELEVATION Ground Level 39·38ft.
Rotary Table 53·28ft. Kelly Bushing 54·58 ft. (Well Datum)

Date Spudded 9th. January 1970
Date Drilling Stopped 31st. January 1970
Date Rig Off 4th. February 1970
Total Depth Driller 5,610'
E. Log 5,593'

Hole Size	In	From	To
	26"	Surface	30'
	17½"	30'	220'
	12¼"	220'	1,801'
	8¾"	1,801'	T.D.

Casing

In	Wt	Gr.	Depth	Cmt	Cmt'd to
20"	—	—	30'	54 Sx.	Surf.
13⅜"	48	H-40	202'	168	
9⅝"	36	J-55		511	

Cement Plugs	From	To	Sacks
No.1	5,400'	5,500'	40
2	4,080'	4,180'	40
3	2,500	2,300	86

INDUCTION ELECTRIC LOGS / BOREHOLE COMPENSATED SONIC LOG / COMPENSATED FORMATION DENSITY LOGS

RUN No. Depth Scale	Induction Electric Logs 1	2	3	Borehole Compensated Sonic Log 1	2	3	Compensated Formation Density Logs 1	2
Date	15th Jan. 1970	28th Jan. 1970	1st. Feb. 1970	15th Jan. 1970	28th Jan 1970	1st. Feb 1970	15th Jan. 1970	29th Jan. 1970
First Reading	1797'	5053'	5592'	1800'	5054'	5593'	1799'	5043'
Last Reading	202'	1758'	4493'	203	200	5043'	203'	1758'
Interval Measured	1595'	3295'	1099'	1597	4854'	550'	1596'	3295'
Casing Schlumberger	202'	1758'	1758	203'	1758'	1758'	203'	1758'
Casing Driller	206'	1760'	1760'	206'	1760'	1760'	206'	1760'
Depth Reached	1798'	5054'	5593'	1800'	5054'	5593'	1800'	5054'
Bottom Driller	1801'	5070'	5612'	1801'	5070'	5612'	1801'	5070'
Mud Nature	Fr. water gel.	Fr. water gel	Fr. water gel	Fr. water gel	Fr. water gel	Fr. water gel	Fr. water gel	Fr. water gel
Density Viscosity	n.a. 55	10·1 53	9·8 48	n.a. 55	10.1 53	9·8 48	n.a 55	10·1 53
Mud Resistivity	5·32 a 66°F	2·77 a 62°F	2·42 a 70°F	5·38 a 66°F	2.77 a 62°F	2·42 a 70°F	5.38 a 66°F	2·77 a 62°F
Mud Resist BHT	4·00 a 88°F	1·3 a 136°F	1·3 a 142°F	4.00 a 87°F	1·3 a 136°F	1.3 a 142°F	4.00 a 87°F	1.3 a 136°F
pH Fluid Loss	9·7 15cc/30mn	9·3 a 55cc/30mn	9·3 5·5cc/30mn	9.7 15ml	9·3 5.5ml	9·3 5.5ml	9·7 15ml	9·3 5.5ml
Origin of Sample	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline
Rmf	4·85 a 68°F	3·02 a 65°F	2·35 a 70°F	4·85 a 68°F	3·02 a 68°F	2·35 a 70°F	4·85 a 68°F	3.02 a 65°F
Rmc	5·30 a 64°F	2·86 a 78°F	2·62 a 7.7°F	5·30 a 64°F	2.86 a 78°F	2.62 a 77°F	5.30 a 64°F	2·86 a 78°F
Bit Size 1	12¼" to 1782	—	—	12¼" to 1782	—	—	12¼" to 1782'	—
2	8¾" to 1801	8¾" to 5070	8¾" to T.D.	8¾" to 1801	8¾" to 5070	8¾" to T.D.	8¾" to 1801'	8¾" to 5070'
Casing Size	13⅜"	9⅝"	9⅝"	13⅜"	9⅝"	9⅝"	13⅜"	9⅝"
Opr Rig Time, hrs.	2½	2	2	6, since circ.	2½ since circ.	5, since circ.	2½	4
Truck No.	4522	4522	4522	4522	4522	4522	4522	4522
Recorded By	N. Affleck	J. Treguer	N. Affleck	—	With	With		
Witness	R. Bell A. Marimuthu	R. Bell A. Marimuthu	R. Bell A. Marimuthu	—	GAMMA-RAY	GAMMA-RAY		

WELL SYMBOLS

- Gas show slight
- Gas show strong
- Oil show slight
- Oil show strong
- Oil and gas show
- Fluorescence
- Circulation loss partial and s.g. mud
- Circulation loss complete and s.g. mud
- Flow into well and s.g. mud
- Blowout
- Core interval number and recovery
- Sidewall core
- Formation test interval and no. (O.H. / in csg.)
- Plugged interval
- Fossils: Macro, Micro, Plant, Spore pollen

LITHOLOGIC REFERENCE

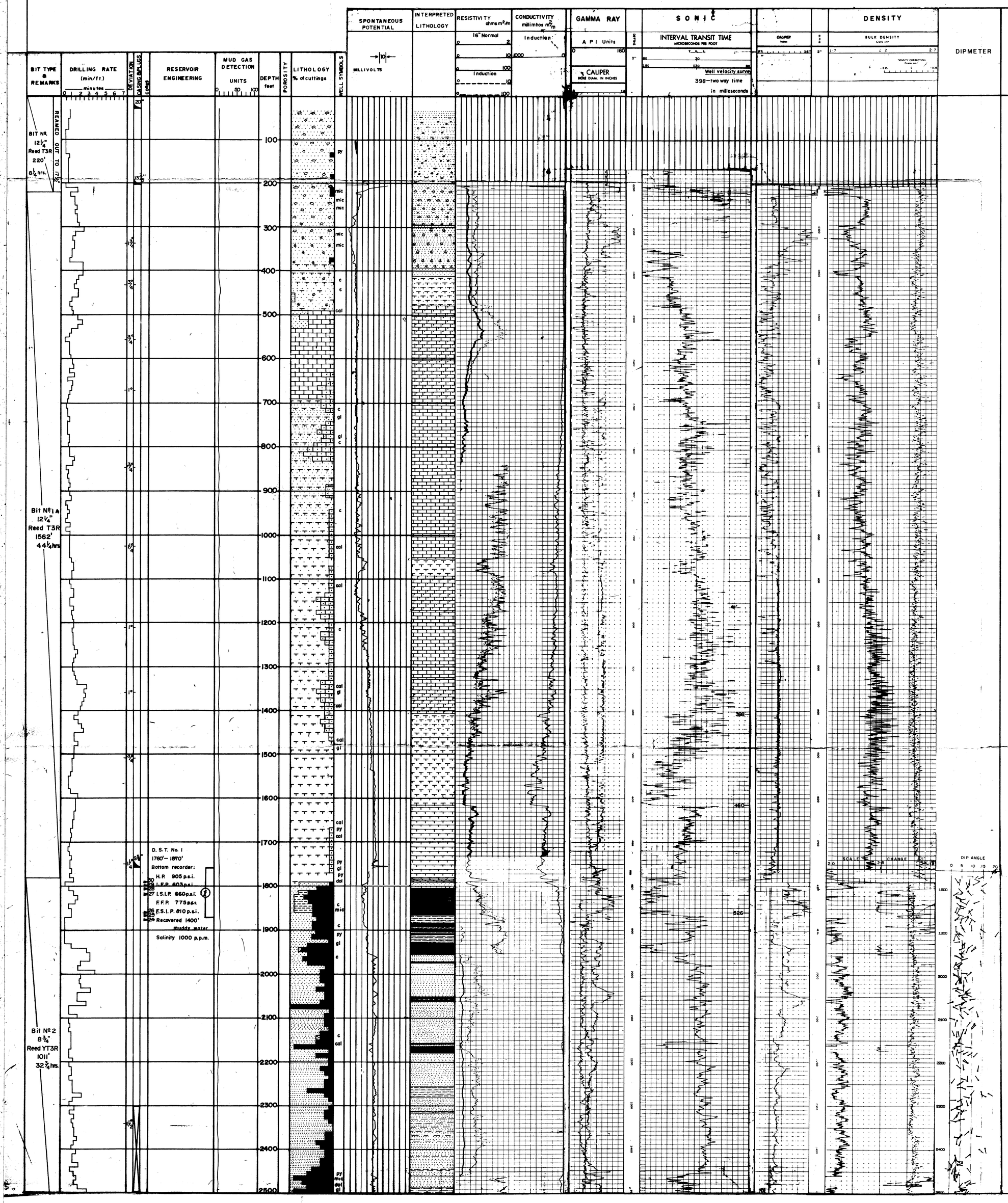
- Conglomerate
- Quartz sandstone
- Arkose
- Greywacke
- Siltstone
- Claystone
- Shale
- Limestone
- Dolomite
- Calcarenite
- Calcilutite
- Marl
- Coal
- cal: Calcareous
- gl: Glauconitic
- py: Pyritic
- c: Carbonaceous
- ch: Cherty
- dol: Dolomitic
- fel: Felspathic
- mic: Micaceous

Other logs:
Dipmeter survey: Run 1 — 1756' – 5576'

PETROLEUM TENEMENT	P.E.P. 72
STATE	VICTORIA
4-MILE SHEET	SALE
BASIN	GIPPSLAND
WELL STATUS	PLUGGED *
COMPANY	WOODSIDE OIL N.L. et al.

Drilled by	Woodside Oil N.L. (Crew supplied by Richter Bowden Drilling Pty Ltd.)
Drilling Method	Rotary
Cemented by	Halliburton Limited
Logging by	Schlumberger SEACO Inc.
Mud Logging	Data Analysis Pty Ltd.
Dipmeter Interpretation	Data Analysis Pty Ltd.
Lithology by	R. Bell and A. Marimuthu

* Below 2300' the well was plugged and abandoned. Above 2300' the well was left open and handed over to Schlumberger for their use.



LITHOLOGIC DESCRIPTION

POST PLIOCENE AND QUATERNARY SEDIMENTS

0 – 290' SAND and GRAVEL cream, pl gy, unconsol., m-pbl.(srt), variably fe, occ calc; minor Lam Cl, Slt, Gran, C brn; occ Fld, Mic, Rare pyr + Peat.

TAMBO RIVER FORMATION — UPPER MIOCENE

290 – 407' FOSSILIFEROUS SANDSTONE: pl gy, clear, m-gran, subang.-subrnd, qzs (srt), occ calc + abd Mic + (C); trace Fld + bk-brn Lithics + Kao, Foss. Occ bands Mollusc, Echin, Bry, Foram, Cor.

JEMMY'S POINT FORMATION — LOWER PLIOCENE

407 – 473' MARL: lt brn, calc, s, foss., incl. Ditrupa. Glc infills Foss.

473 – 1050' LIMESTONE: cream – lt brn, xln – micrxln, varying calc Cem, Bry + Ditrupa frag. Good por with intbd

CALCARENITE: lt brn – brn, xln – micrxln, br micrxln cmt, partly slt, traces f Qz, varying lithics.

GIPPSLAND LIMESTONE — MIOCENE

1050 – 1090' MARL: lt gy – dk gy, sticky; glc Strk, trace Qz Grns.

1090 – 1405' CALCARENITE: lt gy – gy, f, trace Qz Grn, bk + dk gn Lithics. Abd Foss Frag incl Cor + Gast with tr intbd

LIMESTONE: br – pl br, microxln

1405 – 1458' MARL SANDY: pl gy – pl brn, plas, calc, trace Lithics, Qz, Glc.

1458 – 1615' MARL: pl gy – pl brn, variably calc.

LATROBE VALLEY COAL MEASURES — LAKES ENTRANCE FORMATION — EOCENE — OLIGOCENE

1615 – 1780' CALCILUTITE: gy – gn sticky; Qz Grn, lse colourless; Foss frag, glc infill; pyr in places.

1780' – 1790' DOLOMITE: brn – lt brn, hd, microxln, unfoss.

1790 – 1802' SANDSTONE GLAUCONITIC: brn, gy, loose m-crs qzs, subrnd, srt, calc, abd pyr Nod.

1802 – 1953' COAL: bk, bk brn – brn, (slt), (s), soft, (fri), (pyr) with intbd

SILTSTONE: lt brn, soft, carb, (calc), (fissile).

1953 – 2255' SANDSTONE: pl gy – colourless, lse, m-crs subang-rnd, srt; occ dk lithic fairly porous with intbd

COAL: as above, tending to (brn) bk.

2255 – 2519' SILTSTONE: lt brn, soft (si), carb; with intbd

SANDSTONE: as above, but si matrix, (srt), (por) – por

STRATIGRAPHIC COLUMN

31 JUL 1987

WOODSIDE OIL N. L.

COLLIERS HILL No 1 WELL
Composite Log

Date: April, 1970 | Drawing No. 45 / 1st sheet of 2
Report: Well Completion | Enclosure: 1