COMPOSITE WELL LOG

WOODSIDE (LAKES ENTRANCE) OIL CO. N. L.

DUTSON DOWNS No. 1

PETROLEUM TENEMENT: P. E. P. 44 STATE: VICTORIA 4-MILE SHEET: SALE BASIN: GIPPSLAND WELL STATUS: PLUGGED AND ABANDONED

LOCATION Lat. 38° 12' 0" S
Long. 147° 21' 45" E

ELEVATION Ground Level 5'
K.B. 16'

Date Spudded: 8 March, 1966
Date Drilling Stopped: 9 April, 1966
Date Rig Released: 10 April, 1966

Hole Size	Inches	From	To
	17½	Surface	389'
	12¼	389'	3284'
	8¾	3284'	6099'
	7⅞	6099'	6110'

Casing Size	Inches	Wt.	Gr.	Depth	Cmt	Cmt'd to
	20	—	—	41'		Surface
	13⅜	48 lb	H-40	374'	322 sacks	
	9⅝	36 lb	J-55	2761'	380 "	1600'

Cement Plugs	No.	From	To	Sacks
	1	5300'	5500'	66
	2	4630'	4830'	66
	3	2660'	2860'	98
	4	Surface	20'	8

Well Head Fitting: Steel Marker
Drilled by: Richter Bawden Drilling Pty. Ltd.
Drilling Method: Rotary
Cemented by: B.J. Services

Logged by: Schlumberger SEACO Inc.
Lithology by: D.G. Langton, R.G.C. Jessop, A.A. Marimuthu
Drafting by: Geodrafting Services

	ELECTRIC LOG		CALIPER – MICROLOG		GAMMA RAY–NEUTRON		SONIC LOG	
RUN No.	1	2	1	2	1	2	1	2
Date	17 March, 1966	9 April, 1966	17 March, 1966	10 April, 1966	18 March, 1966	10 April, 1966	18 March, 1966	9 April, 1966
First Reading	3201'	6112'	3201'	6112'	3203'	6112'	3197'	6101'
Last Reading	376'	3201'	374'	3201'	97'	2115'	374'	3200'
Interval Measured	2825'	2911'	2827'	2911'	3106'	3997'	2823	2901'
Casing Schlumberger	376'	—	374'	—	374'	2762'	374'	—
Casing Driller	374'	2761'	374'	2761'	374'	2761'	374'	2761'
Depth Reached	3202'	6113'	3202'	6113'	3203'	6112'	3202'	6113'
Bottom Driller	3200'	6110'	3200'	6110'	3200'	6110'	3200'	6110'
Mud Nature	Ligno sulfonate	Ligno sulfonate	Ligno sulfonate	Ligno sulfonate	Ligno sulfonate	Ligno sulfonate	Ligno sulfonate	Ligno sulfonite
Density / Viscosity	9·8 / 56	10 / 48	9·8 / 56	10 / 45	9·8 / 56	10 / 48	9·8 / 56	10 / 48
Mud Resistivity	1·7 @ 72°F	1·13 @ 81°F	1·7 @ 72°F	1·13 @ 81°F	1·7 @ 72°F	1·13 @ 81°F	1·7 @ 72°F	1·13 @ 81°F
Mud Resistivity BHT	1·2 @ 104°F	0·64 @ 143°F	1·2 @ 104°F	0·64 @ 143°F	0·2 @ 104°F	0·64 @ 143°F	1·2 @ 104°F	0·64 @ 143°F
pH / Fluid Loss cc. / 30 min.	9 / 7	9·7 / 5·6	9 / 7	9·7 / 5·6	9 / 7	9·7 / 5·6	9 / 7	9·7 / 5·6
Origin of Sample	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline	Flowline
Rmf	1·25 @ 104°F	0·46 @ 143°F	1·25 @ 104°F	0·46 @ 143°F	1·25 @ 104°F	0·46 @ 143°F	1·25 @ 104°F	0·46 @ 143°F
Rmc	1·4 @ 104°F	—	1·4 @ 104°F	—	1·4 @ 104°F	—	1·4 @	—
Bit Size 1	8¾" to T.D.	8¾" to 6099'	8¾" to T.D.	8¾" to 6099'	8¾" to T.D.	8¾" to 6099'	8¾" to T.D.	8¾" to 6099'
Bit Size 2	—	7⅞" to 6112'	—	7⅞" to 6112'	—	7⅞" to 6012'	—	7⅞" to 6112'
Casing Size	13⅜"	9⅝"	13⅜"	9⅝"	13⅜"	9⅝"	13⅜"	9⅝"
Fluid Level	—	—	—	—	Surface	Surface	—	—
Sensitivity Top	—	—	—	—	GR 300 N 300	GR 300 N 300	—	—
Time Constant	—	—	—	—	GR 3 N 3	GR 3 N 3	—	—
Recording Speed	—	—	—	—	1200 f.p.h.	1200 f.p.h.	1600 f.p.h.	
Operating Rig Time	2 hrs	3 hrs	3 hrs	3 hrs	3 hrs 30 min.	3 hrs 30 min.	2 hrs 30 min	2 hrs 30 min.
Truck No.	2520	2520	2520	2520	2520	2520	2520	2520
Recorded by	Bowler Singer	Bowler Singer	Bowler Singer	Bowler Singer	Bowler Singer	Bowler Singer	Bowler Singer	Bowler Singer
Witness	Langton	Langton	Langton	Langton	Langton	Langton	Langton	Langton

OTHER LOGS

Continuous Dipmeter Run 1 375 – 3199'
Run 2 3200 – 6108·5'

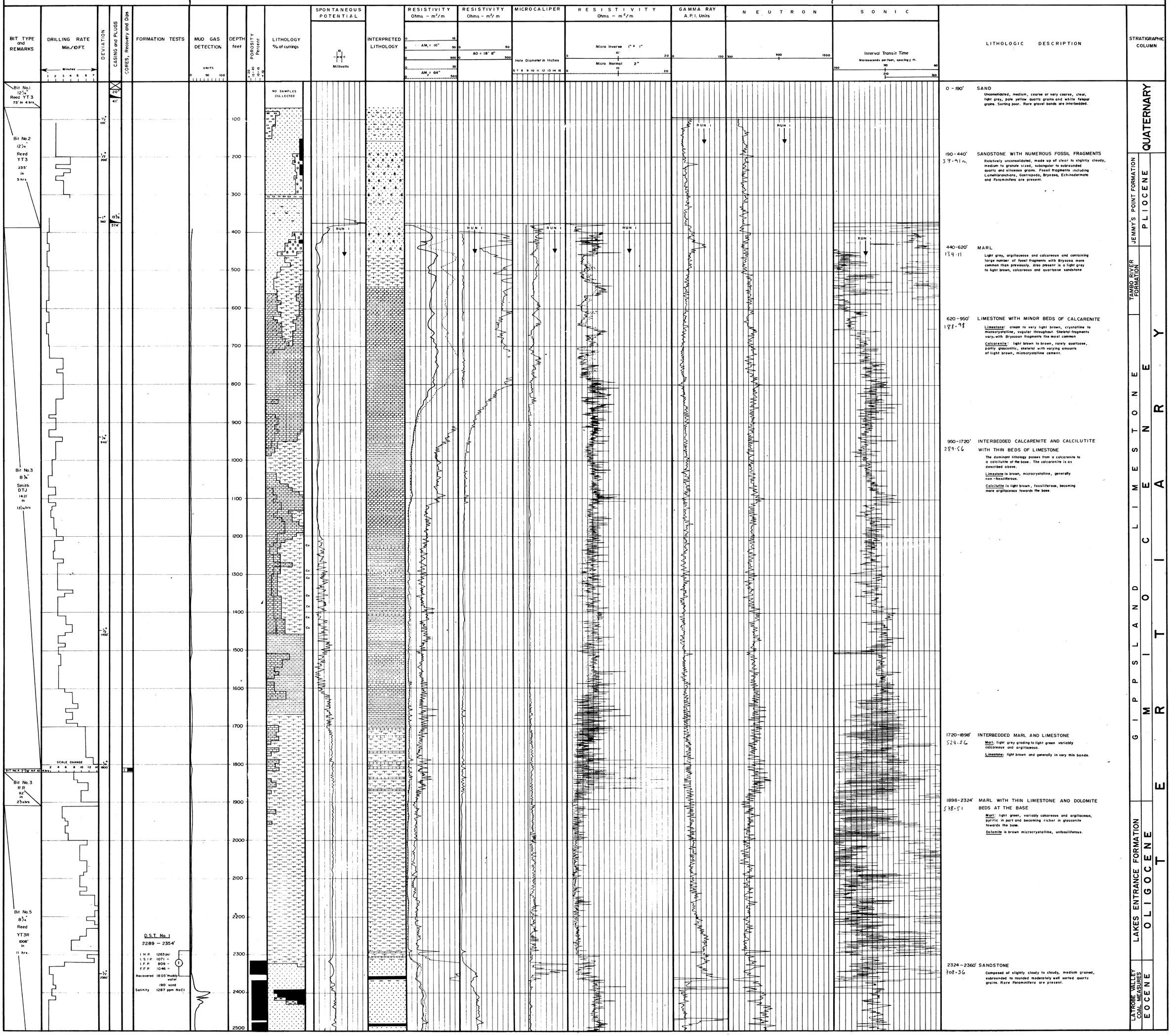
Temperature Log Run 1 100 – 2688'

LITHOLOGIC REFERENCE

Sand and/or sandstone; Gravel; Siltstone; Marl; Claystone; Mudstone; Dolomite; Limestone; Calcarenite; Calcilutite; Coal; Arkose; Fossils; Calcareous

WELL SYMBOLS

Core, interval, number and recovery; Plugged interval; Casing shoe; Formation test interval and number



0 – 190' SAND
Unconsolidated, medium, coarse or very coarse, clear, light grey, pale yellow quartz grains and white feldspar grains. Sorting poor. Rare gravel bands are interbedded.

190 – 440' SANDSTONE WITH NUMEROUS FOSSIL FRAGMENTS
37·91m
Relatively unconsolidated, made up of clear to slightly cloudy, medium to granule sized, subangular to subrounded quartz and siliceous grains. Fossil fragments including Lamellibranchiata, Gastropoda, Bryozoa, Echinodermata and Foraminifera are present.

440 – 620' MARL
134·11
Light grey, argillaceous and calcareous and containing large number of fossil fragments with Bryozoa more common than previously. Also present is a light grey to light brown, calcareous and quartzose sandstone

620 – 950' LIMESTONE WITH MINOR BEDS OF CALCARENITE
188·98
Limestone: cream to very light brown, crystalline to microcrystalline, vugular throughout. Skeletal fragments vary, with Bryozoan fragments the most common
Calcarenite: light brown to brown, rarely quartzose, partly glauconitic, skeletal with varying amounts of light brown, microcrystalline cement.

950 – 1720' INTERBEDDED CALCARENITE AND CALCILUTITE WITH THIN BEDS OF LIMESTONE
289·56
The dominant lithology passes from a calcarenite to a calcilutite at the base. The calcarenite is as described above.
Limestone is brown, microcrystalline, generally non-fossiliferous.
Calcilutite is light brown, fossiliferous, becoming more argillaceous towards the base.

1720 – 1898' INTERBEDDED MARL AND LIMESTONE
524·26
Marl: light grey grading to light green variably calcareous and argillaceous.
Limestone: light brown and generally in very thin bands.

1898 – 2324' MARL WITH THIN LIMESTONE AND DOLOMITE BEDS AT THE BASE
578·51
Marl: light green, variably calcareous and argillaceous, pyritic in part and becoming richer in glauconite towards the base.
Dolomite is brown microcrystalline, unfossiliferous.

2324 – 2360' SANDSTONE
708·36
Composed of slightly cloudy to cloudy, medium grained, subrounded to rounded moderately well sorted quartz grains. Rare Foraminifera are present.

STRATIGRAPHIC COLUMN

LATROBE VALLEY COAL MEASURES	LAKES ENTRANCE FORMATION	GIPPSLAND
EOCENE	OLIGOCENE	MIOCENE
		PLIOCENE
	TAMBO RIVER FORMATION	JEMMY'S POINT FORMATION
		QUATERNARY