

Subsided operation

Marlin A-1.

WELL (GIPPSLAND SHELF No 4)

TYPE

BASIN Offshore Gippsland.

Tenement Holder Haematite Explorations Pty. Ltd.

Map Used Given:

Operator Esso Exploration Australia Inc.

Latitude 38° 14' 03" S

Tenement PEP 38.

Longitude 148° 13' 33" E being S.P. 84 on Line EG47.

Elevation Water Depth. 197' : RT 31'

Total Depth Driller 8485' E. Log 8476'

(May 1966) Status Suspended gas & oil well

Spud 5th Dec 1965.

Completed Drilling, 3 Feb 1966

Suspended Abandoned 10th April 1966

Casing 30" at 317' with 4005x Cement: 20" cemented at 728' with 1530 3 1/8" at 2252' with 1650 9 5/8" at 6289' 7655'. 5 1/2" Linen: 8398' top 5766' cemented with 650 couls.

STRATIGRAPHY

Well Completion Report.

Age	Name	Top
Miocene	Gippsland Limestone	760'
Oligocene	Lakes Entrance Fm.	4260'
Eocene	Lalroke Valley Coal Mss.	4522'
Upper. Sect.	—	6490'
		<u>TD. 8485'</u>

DEPT. NAT. RES & ENV



PE905268

FORMATION TESTS

6 Production Tests over 5 intervals

30ms PT. 1 - 7406' - 7466' and 7514' - 7574'	} 4 shots/11":	44.5" choke: gas at 10.9 MMCF/D + flu. dat 38.7 Bbl/MMCF of 62 gravity
58" " " " " 1.07 MMCF/D + flu. dat 1182 BOPD / 51-53 "		
30ms PT. 2 - 5122' - 5137'	2 " / " :	58" " " " " 1.9 MMCF/D + " " 25.7 Bbl/MMCF / 76.8 "
3 - 5069' - 5077'	2 " / " :	29" " " " " 4.6 MMCF/D + " " 26.2 Bbl/MMCF / 72.2 "
4 - 4532' - 4552'	2 " / " :	42" " " " " 8.3 MMCF/D + " " 57.6 Bbl/MMCF / 74 "
4 - 4532' - 4552'	4 " / " :	61" " " " " 10.2 MMCF/D + " " 44.6 Bbl/MMCF / 72.7 "
5 - 4532' - 4552' and 4562' - 4582'	} 2 " / " :	64" " " " " 10.2 MMCF/D + " " 44.6 Bbl/MMCF / 72.7 "
64" " " " " 10.2 MMCF/D + " " 44.6 Bbl/MMCF / 72.7 "		

LOG SUMMARY AND INTERPRETATION

- Induction Electric 730' - 8475
- Sonic - Gamma Ray Caliper 728' - 8467
- MicroLithology 725' - 8474
- Continuous Dipmeter. 725' - 8470
- Microlog ———— 2248' - 6480
- Litholog. ———— 2251' - 6486.
- Gamma Ray Collar Locator — 4500 - 6300
- Temperature Log ———— 3020' - 5800
- Cement Bond Log. ———— 5660' - 7999'
- Velocity Survey

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GIPPSLAND SHELF No 4
Esso Exploration Australia Inc.

CORES

No.	Interval	Rec.	No.	Interval	Rec.	No.	Interval	Rec.	No.	Interval	Rec.
1	4570'-4583'	6'	12	7237'-7267'	30'	Side Wall Cores		Recovered:	(17 out of 24 attempted)		
2	4583'-4613'	9'	13	7473'-7479'	5'	5208'	7414'				
3	4634'-4649'	11'	14	7480'-7509'	29'	5232'	7538'				
4	4649'-4674'	17'	15	8434'-8464'	30'	5244'	7264'				
5	4750'-4798'	24'				5273'	7214'				
6	4891'-4921'	10'				5280'	7112'				
7	5040'-5066'	26'				5314'	7054'				
8	5066'-5096'	28'				7825'	7006'				
9	5096'-5126'	30'				7592'	6900'				
10	5126'-5163'	24'				7558'	6792'				
11	5163'-5184'	23'				7524'	6650'				
						7454'	6610'				

CHEMICAL ANALYSES (Oil, water, gas.)

By B.M.R. - See Well Completion Report.

GENERAL (Conclusion, structure, plugging, etc.)

Plugs & Squeeze Jobs: -

7514'-74' } 150 Sacks: Main Squeeze 4200 (Through Tbg.)
 7406'-66' }
 5122'-37' 150 " : " " 3200 (" ") 9 Sacks in casing above perforations.
 5069'-77' 150 " : " " 3500 (" ") 48 " " " " "
 4532'-52' } 200 " : " " 3100 (" ") Dumped 15 Sacks on top of packer.
 4562'-82' }

Cement Plugs

2090'-2400' 150 Sacks
 300'-600' 115 Sacks.