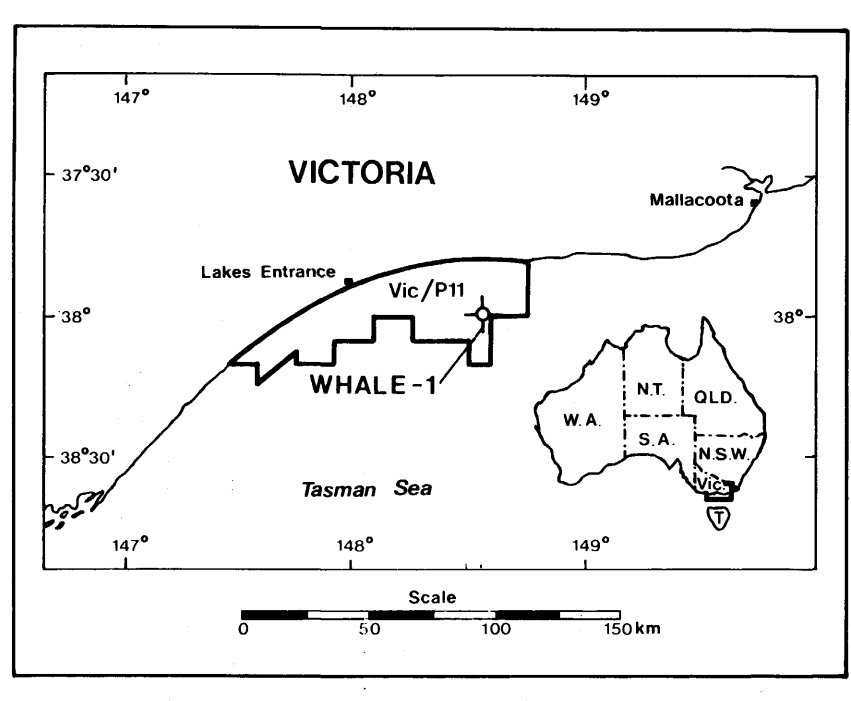




COMPOSITE WELL LOG

WHALE-1



PETROLEUM PERMIT: Vic/P11
LOCATION: Latitude 38° 01' 17.182" S
Longitude 148° 33' 34.172" E
WELL STATUS: Plugged and Abandoned
ELEVATION: Rotary Table at 9.45m above
Mean Low Water and 61.45m
above Sea Floor

DATE ON LOCATION: 30th November, 1981
DATE SPOOLED: 2nd December, 1981
DATE AT TOTAL DEPTH: 12th December, 1981
DATE OF RIG RELEASE: 25th December, 1981
WELL HEAD FITTING: None
DRILLED BY: Petromarine Drilling Company
LOGGED BY: Schlumberger
DRILLING METHOD: Rotary
CEMENTED BY: Haliburton Pty Ltd
MUD LOGGING: Exploration Logging (Australia)

CEMENT PLUGS:
FROM TO SACKS
405m 435m 18
100m 165m 77
545m 605m 66

PERFORATIONS:
460m - 455m
445m - 454m

TOTAL DEPTH: 810m
AGE AT TOTAL DEPTH: Lower Cretaceous

ROCK TYPES

SHALE/CLAYSTONE	DOLOMITE
SILTSTONE	SIDERITE IRONSTONE
GREYWACKE	ANHYDRITE
SANDSTONE	GYPSSUM
CONGLOMERATE	MALITE
GREENSAND	COAL
CALCULITE	PLUTONIC BASIC
CALCISILITE	PLUTONIC ACIDIC
CALCARENITE	VOLCANIC
CALCIGRITE	METAMORPHIC
LIMESTONE (recrystallised)	
MARL	

CEMENT

SILICA	QUARTZ GRAINS	CALCITE CRYSTALS
CALCITE	QUARTZ PEBBLES	ODOLITHS
DOLOMITE	LITHIC FRAGMENTS	ALGAE
SIDERITE	FELDSPAR	SKELTAL FRAGMENTS
PYRITE	GLAUCONITE	CORALS
	PYRITE	CRINOIDS
	MICA	FORAMINIFERA
	CHERT	BRYOZOA
	LIGNITE/COAL	OSTRACODA
	Carbonaceous matter	RADIOLARIA
	HEMATITE	INDICERAMUS
	QUARTZ CRYSTALS	CHLORITE
	SIDERITE CONCRETIONS	

MINOR CONSTITUENTS

QUARTZ GRAINS	CALCITE CRYSTALS
QUARTZ PEBBLES	ODOLITHS
LITHIC FRAGMENTS	ALGAE
FELDSPAR	SKELTAL FRAGMENTS
GLAUCONITE	CORALS
PYRITE	CRINOIDS
MICA	FORAMINIFERA
CHERT	BRYOZOA
LIGNITE/COAL	OSTRACODA
Carbonaceous matter	RADIOLARIA
HEMATITE	INDICERAMUS
QUARTZ CRYSTALS	CHLORITE
SIDERITE CONCRETIONS	

MUD RECORD

DEPTH (m)	S.G.
0 - 205	1.06
205 - 404	1.06
404 - 438	1.08
438 - 580	1.44
580 - 780	1.45
780 - 810	1.46

ENGINEERING LEGEND:

▲ CASING SEAT	† PERFORATIONS
○ DST INTERVAL	■ CORED INTERVAL (Recovered)
○ FORMATION TEST FAILED	▤ SIDEWALL CORE (Recovered)
○ FORMATION TEST PRESSURE RECOVERED	▤ SIDEWALL CORE (No Recover)
○ FORMATION TEST SAMPLE RECOVERED	● HYDROCARBON INDICATORS
	⌵ PLUGGED

CASING RECORD

Run No	Size (mm)	Interval (m)	Run No	Size (mm)	Interval (m)
1	20"	94	58	16	201-03
2	9 5/8"	40	57	88	201-03
3	7"	29	288	13	515-0

TEST RECOVERY: DST 1: 0.4 bbls water, IFP = 66-519 psi, ISF = 641 psi, FFP = 450-625 psi (10mins) FSP = 487 psi
DST 2: 0.27 bbls water, IFP = 217.3 - 219.6 psi, ISF = 621 psi, FFP = 252 - 487 psi (78 mins) FSP = 487 psi

RESISTIVITY LOGS

Log No.	Depth (m)	Scale
1	0 - 81	0.05 - 1.0
2	12 - 13	0.05 - 1.0
3	405 - 406	0.05 - 1.0
4	202 - 203	0.05 - 1.0
5	202 - 203	0.05 - 1.0
6	202 - 203	0.05 - 1.0
7	202 - 203	0.05 - 1.0
8	202 - 203	0.05 - 1.0
9	202 - 203	0.05 - 1.0
10	202 - 203	0.05 - 1.0
11	202 - 203	0.05 - 1.0
12	202 - 203	0.05 - 1.0
13	202 - 203	0.05 - 1.0
14	202 - 203	0.05 - 1.0
15	202 - 203	0.05 - 1.0
16	202 - 203	0.05 - 1.0
17	202 - 203	0.05 - 1.0
18	202 - 203	0.05 - 1.0
19	202 - 203	0.05 - 1.0
20	202 - 203	0.05 - 1.0
21	202 - 203	0.05 - 1.0
22	202 - 203	0.05 - 1.0
23	202 - 203	0.05 - 1.0
24	202 - 203	0.05 - 1.0
25	202 - 203	0.05 - 1.0
26	202 - 203	0.05 - 1.0
27	202 - 203	0.05 - 1.0
28	202 - 203	0.05 - 1.0
29	202 - 203	0.05 - 1.0
30	202 - 203	0.05 - 1.0
31	202 - 203	0.05 - 1.0
32	202 - 203	0.05 - 1.0
33	202 - 203	0.05 - 1.0
34	202 - 203	0.05 - 1.0
35	202 - 203	0.05 - 1.0
36	202 - 203	0.05 - 1.0
37	202 - 203	0.05 - 1.0
38	202 - 203	0.05 - 1.0
39	202 - 203	0.05 - 1.0
40	202 - 203	0.05 - 1.0
41	202 - 203	0.05 - 1.0
42	202 - 203	0.05 - 1.0
43	202 - 203	0.05 - 1.0
44	202 - 203	0.05 - 1.0
45	202 - 203	0.05 - 1.0
46	202 - 203	0.05 - 1.0
47	202 - 203	0.05 - 1.0
48	202 - 203	0.05 - 1.0
49	202 - 203	0.05 - 1.0
50	202 - 203	0.05 - 1.0
51	202 - 203	0.05 - 1.0
52	202 - 203	0.05 - 1.0
53	202 - 203	0.05 - 1.0
54	202 - 203	0.05 - 1.0
55	202 - 203	0.05 - 1.0
56	202 - 203	0.05 - 1.0
57	202 - 203	0.05 - 1.0
58	202 - 203	0.05 - 1.0
59	202 - 203	0.05 - 1.0
60	202 - 203	0.05 - 1.0
61	202 - 203	0.05 - 1.0
62	202 - 203	0.05 - 1.0
63	202 - 203	0.05 - 1.0
64	202 - 203	0.05 - 1.0
65	202 - 203	0.05 - 1.0
66	202 - 203	0.05 - 1.0
67	202 - 203	0.05 - 1.0
68	202 - 203	0.05 - 1.0
69	202 - 203	0.05 - 1.0
70	202 - 203	0.05 - 1.0
71	202 - 203	0.05 - 1.0
72	202 - 203	0.05 - 1.0
73	202 - 203	0.05 - 1.0
74	202 - 203	0.05 - 1.0
75	202 - 203	0.05 - 1.0
76	202 - 203	0.05 - 1.0
77	202 - 203	0.05 - 1.0
78	202 - 203	0.05 - 1.0
79	202 - 203	0.05 - 1.0
80	202 - 203	0.05 - 1.0
81	202 - 203	0.05 - 1.0
82	202 - 203	0.05 - 1.0
83	202 - 203	0.05 - 1.0
84	202 - 203	0.05 - 1.0
85	202 - 203	0.05 - 1.0
86	202 - 203	0.05 - 1.0
87	202 - 203	0.05 - 1.0
88	202 - 203	0.05 - 1.0
89	202 - 203	0.05 - 1.0
90	202 - 203	0.05 - 1.0
91	202 - 203	0.05 - 1.0
92	202 - 203	0.05 - 1.0
93	202 - 203	0.05 - 1.0
94	202 - 203	0.05 - 1.0
95	202 - 203	0.05 - 1.0
96	202 - 203	0.05 - 1.0
97	202 - 203	0.05 - 1.0
98	202 - 203	0.05 - 1.0
99	202 - 203	0.05 - 1.0
100	202 - 203	0.05 - 1.0

NEUTRON POROSITY - FORMATION DENSITY LOGS

Log No.	Depth (m)	Scale
1	0 - 81	0.05 - 1.0
2	12 - 13	0.05 - 1.0
3	405 - 406	0.05 - 1.0
4	202 - 203	0.05 - 1.0
5	202 - 203	0.05 - 1.0
6	202 - 203	0.05 - 1.0
7	202 - 203	0.05 - 1.0
8	202 - 203	0.05 - 1.0
9	202 - 203	0.05 - 1.0
10	202 - 203	0.05 - 1.0
11	202 - 203	0.05 - 1.0
12	202 - 203	0.05 - 1.0
13	202 - 203	0.05 - 1.0
14	202 - 203	0.05 - 1.0
15	202 - 203	0.05 - 1.0
16	202 - 203	0.05 - 1.0
17	202 - 203	0.05 - 1.0
18	202 - 203	0.05 - 1.0
19	202 - 203	0.05 - 1.0
20	202 - 203	0.05 - 1.0
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23	202 - 203	0.05 - 1.0
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25	202 - 203	0.05 - 1.0
26	202 - 203	0.05 - 1.0
27	202 - 203	0.05 - 1.0
28	202 - 203	0.05 - 1.0
29	202 - 203	0.05 - 1.0
30	202 - 203	0.05 - 1.0
31	202 - 203	0.05 - 1.0
32	202 - 203	0.05 - 1.0
33	202 - 203	0.05 - 1.0
34	202 - 203	0.05 - 1.0
35	202 - 203	0.05 - 1.0
36	202 - 203	0.05 - 1.0
37	202 - 203	0.05 - 1.0
38	202 - 203	0.05 - 1.0
39	202 - 203	0.05 - 1.0
40	202 - 203	0.05 - 1.0
41	202 - 203	0.05 - 1.0
42	202 - 203	0.05 - 1.0
43	202 - 203	0.05 - 1.0
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46	202 - 203	0.05 - 1.0
47	202 - 203	0.05 - 1.0
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49	202 - 203	0.05 - 1.0
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51	202 - 203	0.05 - 1.0
52	202 - 203	0.05 - 1.0
53	202 - 203	0.05 - 1.0
54	202 - 203	0.05 - 1.0
55	202 - 203	0.05 - 1.0
56	202 - 203	0.05 - 1.0
57	202 - 203	0.05 - 1.0
58	202 - 203	0.05 - 1.0
59	202 - 203	0.05 - 1.0
60	202 - 203	0.05 - 1.0
61	202 - 203	0.05 - 1.0
62	202 - 203	0.05 - 1.0
63	202 - 203	0.05 - 1.0
64	202 - 203	0.05 - 1.0
65	202 - 203	0.05 - 1.0
66	202 - 203	0.05 - 1.0
67	202 - 203	0.05 - 1.0
68	202 - 203	0.05 - 1.0
69	202 - 203	0.05 - 1.0
70	202 - 203	0.05 - 1.0
71	202 - 203	0.05 - 1.0
72	202 - 203	0.05 - 1.0
73	202 - 203	0.05 - 1.0
74	202 - 203	0.05 - 1.0
75	202 - 203	0.05 - 1.0
76	202 - 203	0.05 - 1.0
77	202 - 203	0.05 - 1.0
78	202 - 203	0.05 - 1.0
79	202 - 203	0.05 - 1.0
80	202 - 203	0.05 - 1.0
81	202 - 203	0.05 - 1.0
82	202 - 203	0.05 - 1.0
83	202 - 203	0.05 - 1.0
84	202 - 203	0.05 - 1.0
85	202 - 203	0.05 - 1.0
86	202 - 203	0.05 - 1.0
87	202 - 203	0.05 - 1.0
88	202 - 203	0.05 - 1.0
89	202 - 203	0.05 - 1.0
90	202 - 203	0.05 - 1.0
91	202 - 203	0.05 - 1.0
92	202 - 203	0.05 - 1.0
93	202 - 203	0.05 - 1.0
94	202 - 203	0.05 - 1.0
95	202 - 203	0.05 - 1.0
96	202 - 203	0.05 - 1.0
97	202 - 203	0.05 - 1.0
98	202 - 203	0.05 - 1.0
99	202 - 203	0.05 - 1.0
100	202 - 203	0.05 - 1.0

SONIC LOGS

Log No.	Depth (m)	Scale
1	0 - 81	0.05 - 1.0
2	12 - 13	0.05 - 1.0
3	405 - 406	0.05 - 1.0
4	202 - 203	0.05 - 1.0
5	202 - 203	0.05 - 1.0
6	202 - 203	