OR-0343.

351141

FIGURE 2

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

WELL COMPLETION LOG
ESSO PRAWN A-1

5 cm

CONCESSION: E.L. 1/60 **STATE:** TASMANIA **BASIN:** OTWAY

LOCATION: Lat. 39° 21' 23" S Long. 143° 06' 42" E

ELEVATION: G.L. M.S.L. K.B. 89' **WATER DEPTH:** 354'

SPUDDED: Dec. 29, 1968 **COMPLETED:** April 9, 1968 **DRILLED BY:** OCEAN DRILLING & EXPLORATION Co.

CLASSIFICATION: STRATIGRAPHIC TEST **STATUS:** PLUGGED & ABANDONED

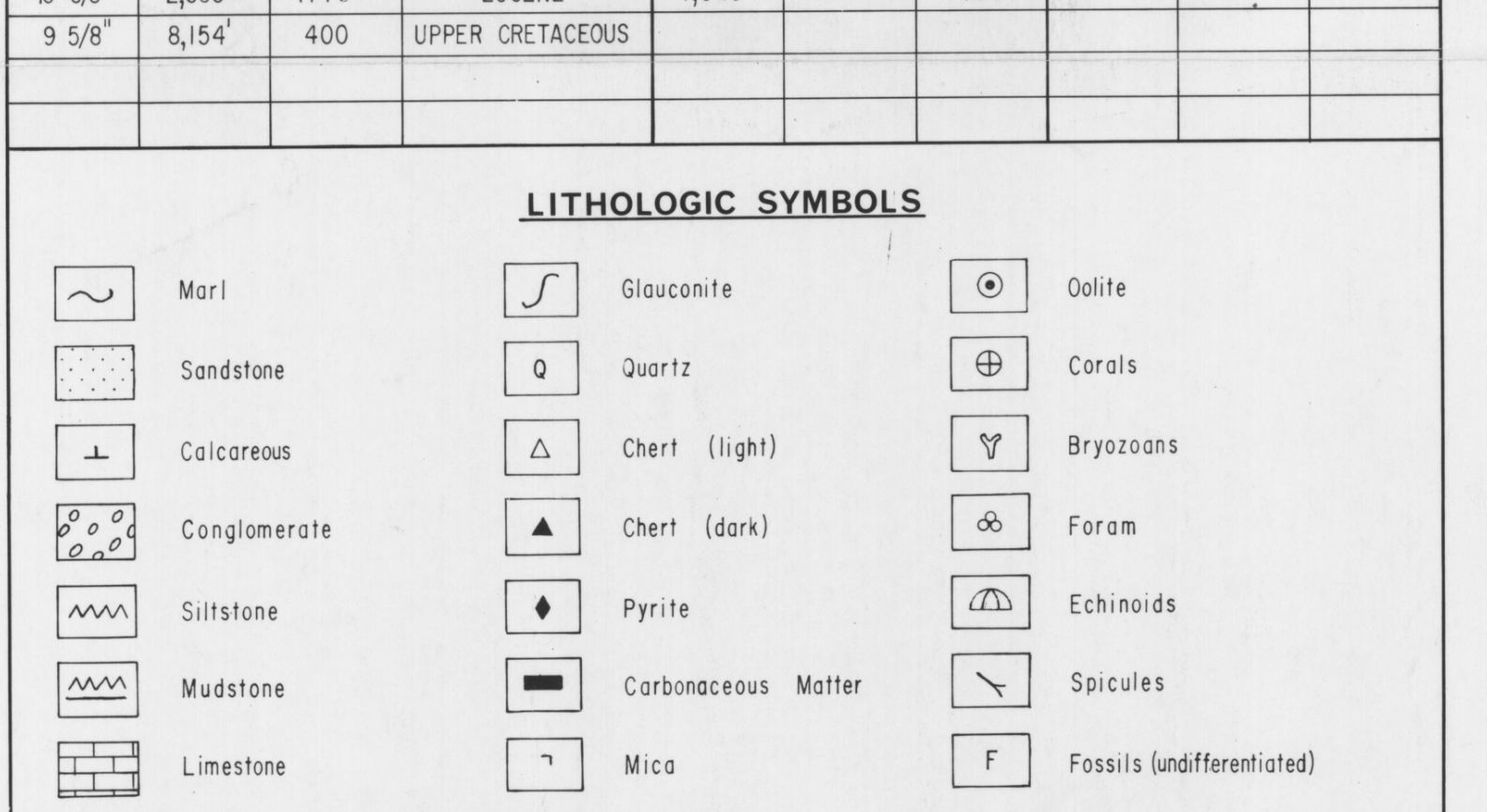
TOTAL DEPTH: 10,477 ft. **PLUGGED BACK T.D.:**

CASING AND TUBING				PLUGS			PERFORATIONS		
SIZE	SET AT	SX. CMT.	FORMATION	FROM	TO	SX. CMT.	FROM	TO	No. FT.
30"	560'	500	MIOCENE	10,477'	8147'	140'			
20"	933'	950	MIOCENE	8,105'	7805'	80'			
13 3/8"	2,683'	1775	EOCENE	1,349'		100'			
9 5/8"	8,154'	400	UPPER CRETACEOUS						

LITHOLOGIC SYMBOLS

~	Marl	∫	Glauconite	⊙	Oolite
⁘	Sandstone	Q	Quartz	⊕	Corals
⊥	Calcareous	△	Chert (light)	Y	Bryozoans
° °	Conglomerate	▲	Chert (dark)	∞	Foram
ʌʌʌ	Siltstone	◆	Pyrite	⌓	Echinoids
ʌʌʌ	Mudstone	▬	Carbonaceous Matter	⤙	Spicules
▦	Limestone	⌐	Mica	F	Fossils (undifferentiated)
☰	Shale	⅄	Lithic or Rock Fragments		

GEOLOGISTS: B.L. CULP
C.K. LUNT
E.A. JAMES
LITHOLOGY INTERPRETED BY: B.L. CULP **DATE:** July, 1968


CEMENT PLUG
SEA LEVEL 350'
13 3/8" 1000' 700 SX
TOP OF CEMENT 2000'
NUMBER OF CORE C-1
DIP ON CORE 12°
50'
80'
NO CORE RECOVERY
STAGE COLLAR 3000'
PRODUCTION PACKER
TUBING DEPTH 2 7/8" 3500'
OPEN PERFORATIONS 4200'-4300' 2 SPF
THROUGH PERFORATION DST
SWAB OR FLOW TEST
CEMENT RETAINER 4600'
PERFORATION SQUEEZED 4700'-4800' 2 JPF
4 1/2" 4900'
9 5/8" 5000' 300 SX
LINER
SLOTTED LINER
FORMATION
FORMATION 5250'(-5000) 280'
6000' 125 SX
UNCONFORMITY
GROUP
AGE
GROUP
LITHOLOGY
SHOWS
SHOW OR STAIN
HYDROCARBON CUT
FLUORESCENCE
GAS SHOW
ABOVE SYMBOLS MAY BE COMBINED
DEVIATED OR SIDETRACKED HOLE
OPEN HOLE DST
MISRUN
OPEN HOLE SWAB OR FLOW TEST
WIRELINE TEST
SWC WITH RECOVERY
SWC WITH NO RECOVERY
PO
SO - SHOT OFF
MF - MISFIRE
PO - PULLED OFF
DB - DAMAGED BULLET
SWC WITH SHOW
BLOWOUT OF OIL
BLOWOUT OF GAS
WATER FLOW
V LOSS OF DRILLING FLUID AND PERCENTAGE
VV LOST CIRCULATION COMPLETELY
OEM 9.2,8% MUD TYPE, WEIGHT AND OIL CONTENT
DEVIATION SURVEY 1°
DIRECTIONAL SURVEY 3° N 50° E
NORMAL FAULT WITH DISPLACEMENT 300'
REVERSE FAULT WITH DISPLACEMENT 300'
DIPMETER SURVEY WITH DIP DIRECTION AND ANGLE 10° Az 225°
OIL PRODUCTION
GAS PRODUCTION
CONDENSATE PRODUCTION
WATER PRODUCTION
INTERPRETED OIL PRODUCTIVE
INTERPRETED GAS PRODUCTIVE
INTERPRETED WATER-BEARING
INTERPRETED CONDENSATE PROD.

SCHLUMBERGER WIRE LINE LOGGING SERVICES

LOG	INTERVAL	LOG	INTERVAL
INDUCTION — ELECTRIC	934' to 10,477'		
SONIC GAMMA RAY—CALIPER	934' to 10,477'		
FORMATION DENSITY	934' to 10,477'		
CONTINOUS DIPMETER	934' to 10,477'		
CEMENT BOND	5500' to 7,300'		

Run No / Depth Scale	1 / 2"	2 / 2"	3 / 2"	4 / 2"	
Date	30 - 1 - 1968	13 - 2 - 1968	9 - 3 - 1968	30 - 3 - 1968	
First Reading	2782'	5600'	8197'	10 477'	
Last Reading	934'	2676'	5500'	8148'	
Interval Measured	1848'	2924'	5697'	2328'	
Casing Cogger	934'	2676'	2676'	8148'	
Casing Driller	933'	2683'	2683'	8154'	
Depth Reached	2783'	5601'	8198'	10478'	
Bottom Driller	2784'	5600'	8200'	10477'	
Mud Nature					
Density / Viscosity	9·4 / 48	10·3 / 43	10·6 / 43	10·8 / 53	
Mud Resistivity	0·78 at 62 °F	1·2 at 64 °F	1·07 at 65 °F	0·74 at 69 °F	at °F
Mud Resistivity BHT	0·46 at 110 °F	at °F	0·42 at 164 °F	0·22 at 228 °F	at °F
pH / Fluid Loss	CC	8·5 / 7·6 CC	10·5 / 6·6 CC	9·5 / 4·5 CC	CC
Origin of Sample	FLOWLINE	FLOWLINE	FLOWLINE	FLOWLINE	
Rmf	0·63 at 62 °F	0·89 at 64 °F	0·84 at 65 °F	0·63 at 64 °F	at °F
Rmc	0·98 at 62 °F	3·3 at 64 °F	1·84 at 65 °F	1·4 at 67 °F	at °F
Bit Size 1	15" to 2784	15" to 2784	12 1/4" to 8200	8 1/2" to 10 450	to
2	to	12 1/4" to 5600	to	8" to 10 477	to
Casing Size	20"	13 3/8"	13 3/8"	9 5/8"	
Opr. Rig Time	2 HOURS	2 1/2"	2 1/2"	3"	
Truck No.	0·2072	0·2072	0·2032	0·2072	
Recorded by	SINGER	SINGER	SINGER	SINGER	
Witness	C. LUNT	C. LUNT	B. CULT	E. JAMES	

REMARKS :- Hydrocarbons were not encountered in the wall. An extremely thick sand section was encountered without sufficient interbeds of shale being present to form a seal. Valuable stratigraphic and lithologic data was obtained.

LOGGING DATA					EQUIPMENT DATA	
Run No.	1	2	3	4	Run No.	1,2,3,4
Type of Sonde	6 FF 40	6 FF 40	6 FF 40	6 FF 40	Panel	IRP-F 771
S N Spacing	16	16	16	16	Cartridge	IRC-F 711
Stand-off	1 1/2	1 1/2	1 1/2	1 1/2	Sonde	IRS-M 581
S.B.R.	1	1	1	1	Test Loop	ITL-C 721