ENCLOSURE 8b

384180

OR 351

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL PELICAN NO 1
COMPANY ESSO

COMPANY ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.
WELL PELICAN NO 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
LOCATION LAT: 40° 20' 20.8"S LONG: 145° 50' 37.1"E
Other Services: IES,FDC-GR,FT, LL7,CIS,CDM,CST MLL,GRN
Sec. Twp. Rge.

Permanent Datum: MSL , Elev. 0
Log Measured From KB 100 Ft. Above Perm. Datum
Drilling Measured From KB 100
Elev.: K.B. 100
D.F.
G.L.

Date	22 MARCH 70	4 APRIL70	24 APRIL70	
Run No.	1 5"	2 5"	3 5"	
Depth—Driller	2550	8570	10428	
Depth—Logger	2542	8571	10415	
Btm. Log Interval	2530	8563	10408	
Top Log Interval	871(GR350)	2512	8540	
Casing—Driller	20 @ 865	13 3/8 @ 2512	9 5/8 @ 8540	@
Casing—Logger	871	2512	8540	
Bit Size	17½	12¼	8½	
Type Fluid in Hole	SEA WATER GEL	LIGNOSULPHONATE		
Dens. | Visc.	8.5 | 43	10.3 | 39	11.3 | 56	
pH | Fluid Loss	- | - ml	9.5 | 8.6 ml	10.5 | 8.4 ml	ml
Source of Sample	CIRCULATION	CIRCULATION	CIRCULATION	
R_m @ Meas. Temp.	0.33 @ 71 °F	2.0 @ 60 °F	1.33 @ 70 °F	@ °F
R_{mf} @ Meas. Temp.	0.32 @ 72 °F	1.7 @ 60 °F	1.0 @ 70 °F	@ °F
R_{mc} @ Meas. Temp.	- @ - °F	3.9 @ 60 °F	2.66 @ 70 °F	@ °F
Source: R_{mf} | R_{mc}	PRESS | PRESS	PRESS | PRESS	PRESS | PRESS	
R_m @ BHT	0.25 @ 90 °F	0.79 @ 189 °F	0.38 @ 235 °F	@ °F
Time Since Circ.	2½ HOURS	13 HOURS	7 HOURS	
Max. Rec. Temp.	90 °F	189 °F	235 °F	°F
Equip. | Location	2072 | SAL	2072 | SAL	2072 | SAL	
Recorded By	A.SODINI	A.SODINI	A.SODINI	
Witnessed By	BURNS	WHITTLE	THRELFALL	

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

REMARKS RUN 2&3 SP RUN INSTEAD OF GR AS IN RUN 1.

Changes in Mud Type or Additional Samples

Date | Sample No.				
Depth—Driller				
Type Fluid in Hole				
Dens. | Visc.				
ph | Fluid Loss		ml		
Source of Sample				
R_m @ Meas. Temp.	@	°F	@	°F
R_{mf} @ Meas. Temp.	@	°F	@	°F
R_{mc} @ Meas. Temp.	@	°F	@	°F
Source: R_{mf} | R_{mc}				
R_m @ BHT	@	°F	@	°F
R_{mf} @ BHT	@	°F	@	°F
R_{mc} @ BHT	@	°F	@	°F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole
CALIPER	2512	8-18	6-16
SP	8540	15	10

Equipment Data

Run No.	Tool Type	Pad Type	Tool Pos.	Other
1,2&3	BHCC		CENTRALISED	

C.D.: YES S.O.: NO
Equip. Used: CART. No. SLC-B 357
PANEL No. SLP-C 353
SONDE No SLS-D 389

CALIBRATION:	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISIONS	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.	RECORDING SPEED (FT./MIN.)
GAMMA RAY:	20	430	8.25	500	300	2	30

$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

GAMMA RAY API UNITS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
0 120		T 3 R₁ 2 R₂ 140 90 40
SPONTANEOUS POTENTIAL -[15]+	5"	190 140
CALIPER HOLE DIAM. IN INCHES 8 18		

5 cm