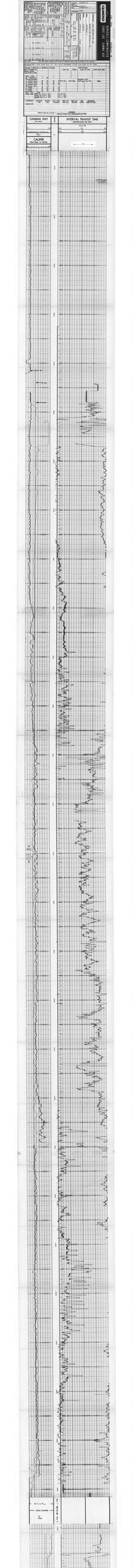

338097

OR-334 Enclosure 18

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG - GAMMA RAY

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL CORMORANT 1
COMPANY ESSO

COMPANY ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.,
WELL CORMORANT 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

LOCATION
LAT.: 39° 34' 22.8"S
LONG: 145° 31' 35.7"E
Sec. Twp. Rge.

Other Services:
IES, FDC-GR, CST, CDM, MLL, FIT.

Permanent Datum: MSL, Elev. 0
Log Measured From RT, 99 Ft. Above Perm. Datum
Drilling Measured From RT

Elev.: K.B. 100
D.F. 99
G.L. 0

Date	13 JUNE 70	10 JULY 70		
Run No.	1 5"	2 5"		
Depth—Driller	3002	9845		
Depth—Logger	3002	9837		
Btm. Log Interval	2999	9836		
Top Log Interval	810 GR: 275	2952		
Casing—Driller	20" @810	@2952	@	@
Casing—Logger	810	2952		
Bit Size	9 7/8	12 1/4		
Type Fluid in Hole	SPERSENE GEL	LIGNOSULPHONATE		
Dens. | Visc.	9.2 | 50	10.3 | 41		
pH | Fluid Loss	8.0 | 11 ml	10 | 9.2 ml	ml	ml
Source of Sample	FLOWLINE	CIRCULATION		
R_m @ Meas. Temp.	1.72 @60 °F	2.03 @64 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	1.22 @60 °F	1.8 @63 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.79 @60 °F	0.7 @198 °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	PRESS | PRESS	PRESS | CHART		
R_m @ BHT	1.1 @104 °F	0.66 @198 °F	@ °F	@ °F
Time Since Circ.	6 HOURS	5 HOURS		
Max. Rec. Temp.	104 °F	198 °F	°F	°F
Equip. | Location	2072 | SAL	2072 | SAL		
Recorded By	SCHON-ROBERTS	GASTALDY		
Witnessed By	COONEY	BLACK		

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

REMARKS RUN 1 WCD USED DIS. 2'. BIT SIZE RECORDED 1" TOO LOW FROM TD TO 1700'.

Changes in Mud Type or Additional Samples

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

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

Equipment Data

Run No.	Tool Type	Pad Type	Tool Pos.	Other

C.D.: YES S.O.: -

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

Velocity (feet per second) = 1,000,000 / Interval Transit Time (microseconds per foot)

INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

T 3 R₁ 2 R₂

140 90 40
240 190 140

5 cm

DEPTHS 5"

GAMMA RAY
API UNITS

0 150

SPONTANEOUS POTENTIAL
- 20 +

CALIPER
HOLE DIAM. IN INCHES

6 16