OR-334 338098 Enclosure 19

SCHLUMBERGER INDUCTION-ELECTRICAL LOG

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
Other Services: BHC, FDC-GR, MLL, CDM, CST, FIT.
Sec. Twp. Rge.

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	1 JULY 70	10 JULY 70	
Run No.	1 2"	2 2"	3 2"	
Depth—Driller	3002	8663	9845	
Depth—Logger	3002	8659	9835	
Btm. Log Interval	3001	8658	9834	
Top Log Interval	810	2954	2952	
Casing—Driller	810 @20"	2952 @	2952@	@
Casing—Logger	810	2954	2952	
Bit Size	9⅞	12¼	12¼	
Type Fluid in Hole	SPERSENE	Q.BROXIN	LIGNOSULPHONATE	
Dens. | Visc.	9.2 & GEL | 50	10.4 | 40	10.3 | 41	
pH | Fluid Loss	8.0 | 11 ml	10 | 8.2 ml	10 | 9.2 ml	ml
Source of Sample	FLOWLINE	CIRCULATION	CIRCULATION	
R_m @ Meas. Temp.	1.72 @60 °F	1.73 @74 °F	2.03 @64 °F	@ °F
R_{mf} @ Meas. Temp.	1.22 @60 °F	1.84 @59 °F	1.8 @63 °F	@ °F
R_{mc} @ Meas. Temp.	1.79 @60 °F	0.7 @198 °F	0.7 @198 °F	@ °F
Source: R_{mf} R_{mc}	PRESS | PRESS	PRESS | CHART	PRESS | CHART	
R_m @ BHT	1.1 @102 °F	0.64 @198 °F	0.7 @198 °F	@ °F
Time Since Circ.	4 HOURS	5 HOURS	19 HOURS	
Max. Rec. Temp.	102 °F	176 °F	238 °F	°F
Equip. | Location	2072 | SAL	2072 | SAL	2072 | SAL	
Recorded By	SCHON-ROBERTS	GASTALSY	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'.

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
SP	3002	10 MILLVOOTS	15 MILLVOLTS
SP	7500	SHIFT 45 MVS	TO THE RIGHT
SP	6304	SHIFT 30 MVS	TO THE RIGHT
SP	6514	SHIFT 30 MVS	TO THE RIGHT.

Equipment Data

Run No.	Tool Type	Tool Position	Other

Run No.:	1	2	3
C.D.:	YES		
S.O.:	1½"	1½"	1½"
Equip. Used: PANEL No.:	IRP-H 724B	IRP-H 724	IRP-H 724
CART. No.:	IRC-F 707	IRC-F 707	IRC-F 711
SONDE No.:	IRS-M 689	IRS-M 689	IRS-M 685
IAP No.:	MMP-B 280	MMP-B 280	MMP-B 280
S.B.R.:	1	1	1

Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at Rm =
☐ 6FF40 zero set in hole at depth of feet.

SPONTANEOUS POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$
− |←10→| +	2"	A - 16" - M SHORT NORMAL 0 20 0 200 INDUCTION 0 20 0 200 AMP. SHORT NORMAL 0 4	6FF40 INDUCTION 1000 0 2000 1000

5 cm