ENCLOSURE IIa

357059

QR.345

Schlumberger

ISF/SONIC

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL TAROOK 1
COMPANY ESSO AUSTRALIA LTD

COMPANY ESSO AUSTRALIA LIMITED
WELL TAROOK 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
LOCATION LAT: 40° 02'S LONG: 145° 40'E
Sec. Twp. Rge.

Other Services:
FDC/CNL/GR
HDT ST CIS

Permanent Datum: MSL, Elev. 0
Log Measured From KB, 32 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 32'
D.F. 31'
G.L. -261'

OFFSHORE 14

Date	18 OCT' 72			
Run No.	1 2"			
Depth—Driller	9100			
Depth—Logger	9097			
Btm. Log Interval	9090			
Top Log Interval	2806			
Casing—Driller	13 3/8 @ 2804	@	@	@
Casing—Logger	2806			
Bit Size	12¼"			
Type Fluid in Hole	LIGNOSULPHONATE			
Dens. | Visc.	10.2 | 45			
pH | Fluid Loss	9.5 | 5.6 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	0.91 @ 97 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.76 @ 72 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.49 @ 72 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	PRESS			
R_m @ BHT	0.45 @ 196 °F	@ °F	@ °F	@ °F
Time Since Circ.	6 HOURS			
Max. Rec. Temp.	195-196 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	CHAFFE			
Witnessed By	McKAY			

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_m @ BHT	@ °F	@ °F
R_m @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

	Run No.	1
IRP-S	Ind. Panel No.	48
ILP-A	Mem. Panel No.	53
IRC-J	Ind. Cart. No.	60
IRS-S	Ind. Sonde No.	27
SLP-JG	Sonic Panel No.	34
SLO-B	Oscil. Panel No.	599
SLC-DG	Sonic Cart. No.	32
SLS-KB	Sonic Sonde No.	93
	G.R. Cart. No.	
	G.R. Panel No.	
	Caliper No.	
	TTR No.	
	S.E.	YES
	SBR	1
	Cent. Device	STAND-OFF
	Stand off-Inches	1½
	Time Const.-Sec.	-
	Speed-F.P.M.	70

REMARKS: CONDUCTIVITY SCALE CHANGED FROM 0-1000 MMHO/M TO 0-2000 AT 8160

Service Order No.-
API Serial No.-
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.

CALIBRATION:	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISIONS	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.
GAMMA RAY:						

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

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms - m²/m
10 - |↔| +		0 — 20 0 — 200 AMP. SFL 0 — 4 INDUCTION 0 — 20	6 FF40 INDUCTION 2000 — 1000

5 cm

5 cm

0 — 20 0 — 200 AMP. SFL 0 — 4 INDUCTION 0 — 20			6 FF40 INDUCTION 2000 — 1000
10 - |↔| +			
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms - m²/m

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WELL TAROOK 1
FIELD WILDCAT
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SCHL. FR 9090
SCHL. TD 9097
DRLR TD 9100
Elev:
KB 32'
DF 31'
GL -261'