349064 **OFFSHORE** BHP 13 OR-342

ENCLOSURE 13'c

Schlumberger

INDUCTION-SPHERICALLY FOCUSED BOREHOLE COMPENSATED SONIC LOG

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON 1
COMPANY ESSO

COMPANY ESSO AUSTRALIA LTD.
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

LOCATION LAT: 40° 08' S LONG: 145° 55' E
Sec. Twp. Rge.

Other Services: FDC/CNL/GR HDT, CIS ST

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. -259

Date	SEPT. 12 1972			
Run No.	1, 5", 2"			
Depth—Driller	8827			
Depth—Logger	8813			
Btm. Log Interval	8806			
Top Log Interval	3028			
Casing—Driller	13 3/8 @ 3032	@	@	@
Casing—Logger	3028			
Bit Size	12 1/4			
Type Fluid in Hole	LIGNOSULPHONATE			
Dens. | Visc.	10.2 43			
pH | Fluid Loss	10.5 5 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	1.04 @ 72 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.50 @ 72 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.26 @ 72 °F	@ °F	@ °F	@ °F
Source: R_{mf} R_{mc}	PRESS			
R_m @ BHT	0.37 @ 195 °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HRS			
Max. Rec. Temp.	195/195 °F	°F	°F	°F
Equip. | Location	2080 SAL			
Recorded By	CHAFFE			
Witnessed By	MEBBERSON			

FIELD PRINT

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

FOLD HERE

REMARKS SP SHIFT +20mV @ 7823.

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

Equipment Data				
Run No.	Tool Type	Pad Type	Tool Pos.	Other
1	IRT/SLT		ECCEN.	

SBR = 1
SURFACE DETERMINED SONDE ERROR USED.
STANDOFF PADS USED WITH SLT. 1 1/2 S.O. WITH IRT.

SLP-JG 34 ILP-A 53
SLC-DG 32 IRP-S 48
SLS-KB 93 IRC-J 60
SLH-C 93 MIH-W 60
IRS-S 27

REran SONIC REPEAT SECTION (UPHOLE + AT T.D.) AS FIRST DID NOT REPEAT. (CHANGED SONIC MEM. LENGTH DURING FIRST REPEAT RUN) SECOND REPEAT RUN SHOWS SFL OF COMPLETELY DIFFERENT CHARACTER. COULD NOT CHECK TOOL FULLY MADE UP IN DERRICK DUE TO VERY BAD WEATHER.

SPONTANEOUS-POTENTIAL millivolts — 10 +

DEPTHS 2"

RESISTIVITY ohms-m²/m
0 AMP. SFL 4
0 SFL 20
0 200
0 INDUCTION 20

CONDUCTIVITY millimhos/m = $\frac{1000}{ohms-m^2/m}$
6 FF40 INDUCTION
2000 0

5 cm

0 AMP. SFL 4
0 SFL 20
0 200
0 INDUCTION 20
RESISTIVITY ohms-m²/m

6 FF40 INDUCTION 2000 0
CONDUCTIVITY millimhos/m = $\frac{1000}{ohms-m^2/m}$

DEPTHS

SPONTANEOUS-POTENTIAL millivolts — 10 +

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WELL POONBOON 1
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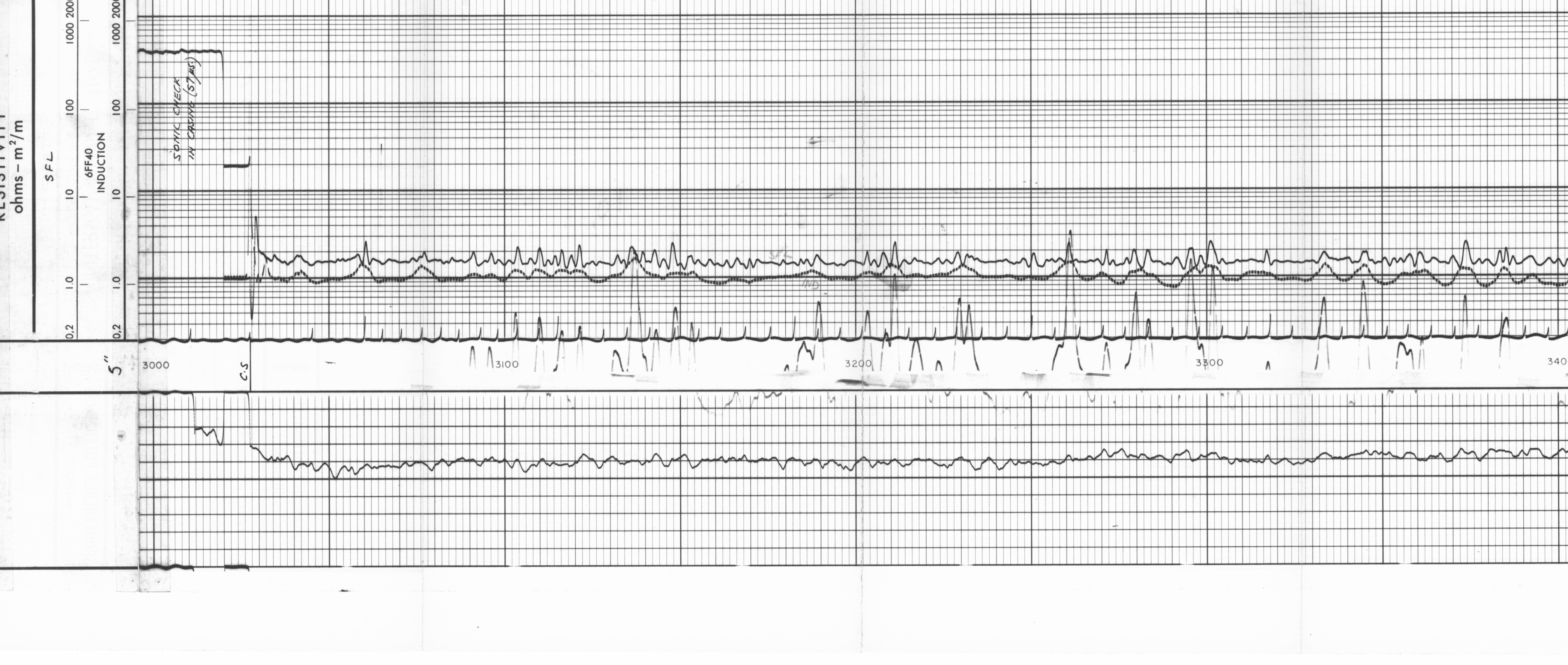
SCHL. FR 8806
SCHL. TD 8813
DRLR TD 8827
Elev: KB 32 DF 31 GL -259

DETAIL LOG
5" = 100'

INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT
T 3 R₁ 2 R₂
140 90 40

RESISTIVITY ohms-m²/m
SFL
0.2 1.0 10 100 1000 2000
6FF40 INDUCTION
0.2 1.0 10 100 1000 2000

DEPTHS 5"

SPONTANEOUS-POTENTIAL MILLIVOLTS — 10 +