ENCLOSURE 5d.

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG—GAMMA RAY

COUNTRY	AUSTRALIA
FIELD	WILDCAT
WELL	PRAWN A-1
COMPANY	ESSO

COMPANY ESSO EXPLORATION (AUSTRALIA)

3511/67

WELL PRAWN A-1

FIELD WILDCAT

COUNTRY AUSTRALIA STATE VIC OFFSHORE

Location: 143° 06' 27" E 39° 21' 25" S

Other Services: IES CST

Ref. No.:

Elev.: K.B.

D.F.

G.L.

Permanent datum M.S.L ; Elev.:

Log Measured From R.T. 89 Ft. Above Perm. Datum

Drilling Measured From R.T 89 Ft. Above Perm. Datum

RUN No. | Depth Scale	2 | 5"/100'	|	
Date	13 FEB 1968		
First Reading	5595		
Last Reading	2676		
Interval Measured	2919		
Casing Driller	2676		
Casing Schlumberger	2683		
Depth Reached	5602		
Bottom Driller	5600		
Mud Nature	XP20 SPERSENE		
Density | Viscosity	10.3 | 43	|	
Mud Resistivity	1.2 @ 64 °F	@ °F	@ °F
Mud Resist. BHT	0.54 @ 142 °F	@ °F	@ °F
pH | Fluid Loss	8.5 | 7.6 CC/30 min.	| CC/30 min.	CC/30 min.
Origin of Sample	FLOWLINE		
Rmf	0.89 @ 64 °F	@ °F	@ °F
Rmc	3.3 @ 64 °F	@ °F	@ °F
Bit Size 1	15" To 2784	To	To
Bit Size 2	12¼" To 5600	To	To
Casing Size	13⅜		
Opr. Rig Time	3		
Truck No.	0-2072		
Recorded By	SINGER		
Witness	LUND		

FIELD PRINT

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REMARKS: WAVE COMPENSATING DEVICE USED MOVEMENT 5'

Velocity (Feet/sec.) = 1.000.000 / Interval Transit Time (microsec. ft.)

GAMMA RAY CALIBRATION DATA

Background	24 cps	cps	cps
+ Test Source	496 cps	cps	cps
Galva Increase	82.5 div.	div.	div.
Sensitivity Tap	400		

B.H.C. SONIC RECORDING DATA

Centralizers	UPPER SPRING + CALIPER
Cartridge No.	SLC-B 357
Sonde No.	SLS-D 389
Panel No.	SLP-C 353

GAMMA RAY RECORDING DATA

Run No.	2
Fluid Level	FULL
Sensitivity Tap	200
Time Constant	2
GR Panel No.	GNP-D 863
GR cartridge No.	SGC-G 191
GR detector No.	SGD-F 649

GAMMA RAY

API UNITS

GAMMA RAY ZERO 0

DIVISIONS TO LEFT OF THIS LINE

0 100

CALIPER

Inches

CALIPER READS 7'6" SHALLOW

7 8 9 10 11 12 13 14 15

DEPTHS

INTERVAL TRANSIT TIME

microseconds per foot

Spacing: 2 ft.

140 90 40

190 140

1 millisecond

Integrated Transit Time

10 milliseconds

GR-343

7 8 9 10 11 12 13 14 15

CALIPER
Inches

0 100

GAMMA RAY ZERO 0
DIVISIONS TO LEFT OF THIS LINE

GAMMA RAY
API UNITS

DEPTHS

10 milliseconds
Integrated Transit Time
1 millisecond

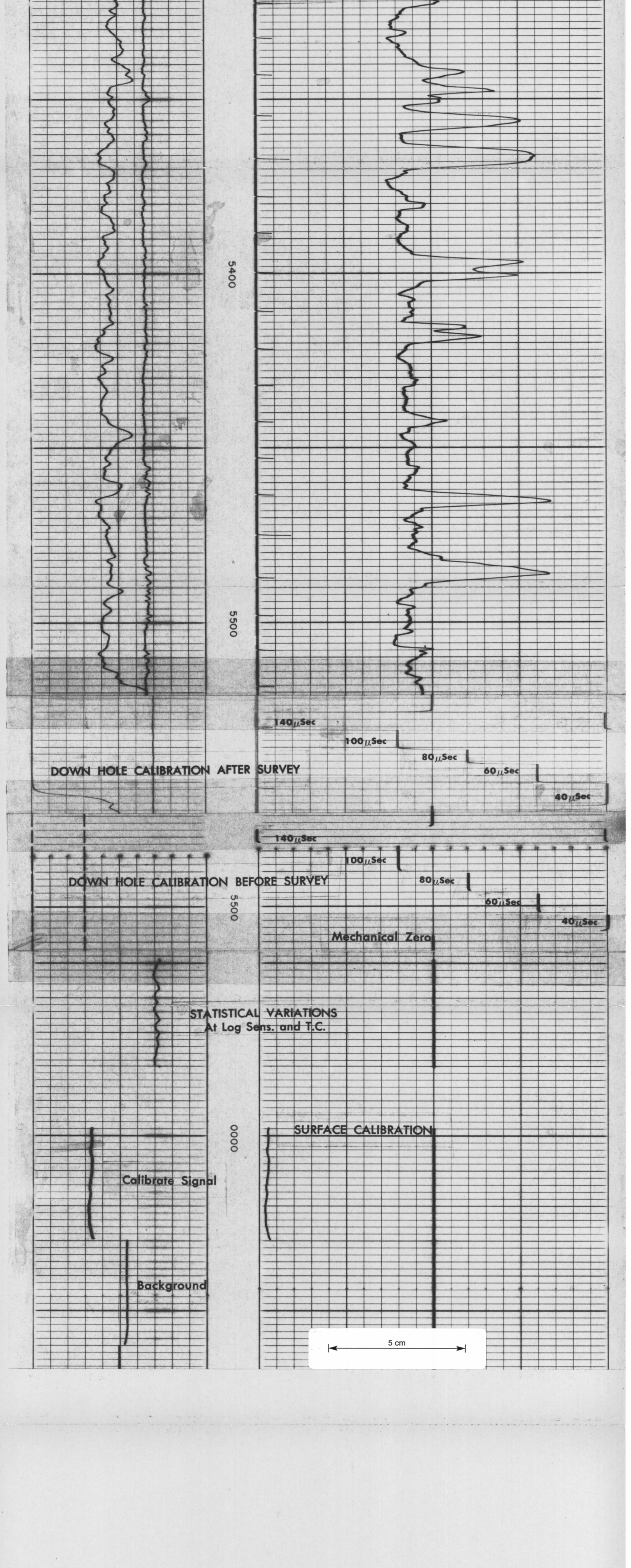
140

190 140
90 40

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

COMPANY	ESSO EXPLORATION (AUSTRALIA)	SCHL. F.R. 5595
WELL	PRAWN A-1	SCHL. T.D. 5602
FIELD	WILDCAT	DRLR. T.D. 5600
COUNTRY	AUSTRALIA	STATE Vic OFFSHORE

CALIBRATION FILMS



OR_343

ENCLOSURE 5e.

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG

COUNTRY	AUSTRALIA
FIELD	WILDCAT
WELL	PRAWN A-1
COMPANY	ESSO

COMPANY ESSO EXPLORATION (AUSTRALIA)
35116S

WELL PRAWN A-1

FIELD WILDCAT

COUNTRY AUSTRALIA STATE Vic OFFSHORE

Location: 143° 06' 27" S

Other Services: FDC-GR LES -CDM CIS CST

Ref. No

Permanent Datum M.S.L. Elev.:
Log Measured From R.T. 89 Ft. Above Perm. Datum
Drilling Measured From R.T. 89 Ft. Above Perm. Datum

Elev.: K.B.
D.F.
G.L.

RUN No. | Depth Scale	1 | 2"/100'	—	—
Date	9 MARCH 1968		
First Reading	8198		
Last Reading	5550		
Interval Measured	2648		
Casing Schlumberger	2776		
Casing Driller	2783		
Depth Reached	8198		
Bottom Driller	8200		
Mud Nature	XP20 + SPERSENE		
Density | Viscosity	10.6 | 45	|	|
Mud Resistivity	1.07 @ 65 °F	@ °F	@ °F
Mud Resistivity BHT	0.42 @ 164 °F	@ °F	@ °F
pH | Fluid Loss	10.5 | 6.6 CC/30 min.	| CC/30 min.	| CC/30 min.
Origin of Sample	FLOWLINE		
Rmf	0.85 @ 65 °F	@ °F	@ °F
Rmc	1.85 @ 65 °F	@ °F	@ °F
Bit Size | 1	12¼ To 8200	To	To
2	To	To	To
Casing Size	13⅜		
Operating Rig Time	3		
Truck No.	0-2072		
Recorded By	SINGER		
Witness	CULP		

FOLD HERE

REMARKS: WAVE COMPENSATING DEVICE USED: MOVEMENT 3'
NOTE: SONIC SCALE SHIFTED TO FIT WITH OVERLAP SECTION
TOOL FAILED JUST AFTER SURVEY SO NO CASING CHECK.

Velocity (Feet/sec.) = 1.000.000 / Interval Transit Time (microsec. ft)

RECORDING DATA			
RUN No	2		
Recording Speed	3000'/hr		
Centralizers	UPPER SPRING + CALIPER		

EQUIPMENT DATA			
RUN No	2		
Cartridge No	SLC-B 357		
Sonde No	SLS-D 389		
Panel No	SLP-C 353		

SPONTANEOUS POTENTIAL
millivolts

— 10 +

CALIPER
Inches
CALIPER READS 3' DEEP

DEPTHS

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

147.5 97.5 47.5

1 millisecond
10 milliseconds
Integrated Transit Time

CALIPER READS 3' DEEP

CALIPER
Inches

— 10 +

10 milliseconds
1 millisecond
Integrated Transit Time

147.5 97.5 47.5

SPONTANEOUS POTENTIAL
millivolts

DEPTHS

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

COMPANY ESSO
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE Vic OFFSHORE

SCHL. F.R. 8198
SCHL. T.D. 8198
DRLR. T.D. 8200

CALIBRATION FILMS

OR 343

ENCLOSURE 5f.

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG

COUNTRY AUSTRALIA
FIELD WILDCAT
WELL PRAWN A-1
COMPANY ESSO

COMPANY ESSO EXPLORATION (AUSTRALIA)
351169
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE Vic OFFSHORE

Location: 143° 06' 27" S
39° 21' 25" E

Other Services:
IES FDC-GR CDM
CLS CST

Ref. No.:

Permanent datum M.S.L. : Elev.:
Log Measured From R.T. 89 Ft. Above Perm. Datum
Drilling Measured From R.T. 89 Ft. Above Perm. Datum

Elev.: K.B.
D.F.
G.L.

RUN No. | Depth Scale	3 | 5"/100'	|	|
Date	9 MARCH 1968		
First Reading	8198		
Last Reading	5550		
Interval Measured	2648		
Casing Schlumberger	2776		
Casing Driller	2783		
Depth Reached	8198		
Bottom Driller	8200		
Mud Nature	XP-20 + SPERSENE		
Density | Viscosity	10.6 | 45	|	|
Mud Resistivity	1.07 @ 65 °F	@ °F	@ °F
Mud Resist. BHT	0.42 @ 164 °F	@ °F	@ °F
pH | Fluid Loss	10.5 | 6.6 CC/30 min.	| CC/30 min.	| CC/30 min.
Origin of Sample	FLOWLINE		
Rmf	0.85 @ 65 °F	@ °F	@ °F
Rmc	1.85 @ 65 °F	@ °F	@ °F
Bit Size 1	12¼ To 8200	To	To
2	To	To	To
Casing Size	13⅜		
Opr. Rig Time	3 HRS.		
Truck No.	0.2072		
Recorded By	SINGER		
Witness	CULP		

FOLD HERE

REMARKS: WAVE COMPENSATING DEVICE USED : MOVEMENT 3'
NOTE: SCALE SHIFTED TO FIT WITH OVERLAP SECTION
TOOL FAILED JUST AFTER SURVEY SO NO CASING CHECK
WAS POSSIBLE

Velocity (Feet/sec.) = 1.000.000 / Interval Transit Time (microsec. ft.)

RECORDING DATA			
RUN No.	2		
Recording Speed	3000'/hr		
Centralizers	UPPER SPRING + CALIPER		

EQUIPMENT DATA			
RUN No.	2		
Cartridge No.	SLC-B 357		
Sonde No.	SLS-D 389		
Panel No.	SLP-C 353		

SPONTANEOUS POTENTIAL millivolts	DEPTHS	INTERVAL TRANSIT TIME microseconds per foot Spacing: 2 ft.
- 10 +		147.5 — 97.5 — 47.5
CALIPER Inches CALIPER RECORDED 3' DEEP		1 millisecond / 10 milliseconds Integrated Transit Time
7 8 9 10 11 12 13 14 15		110 100 90 80 70 60

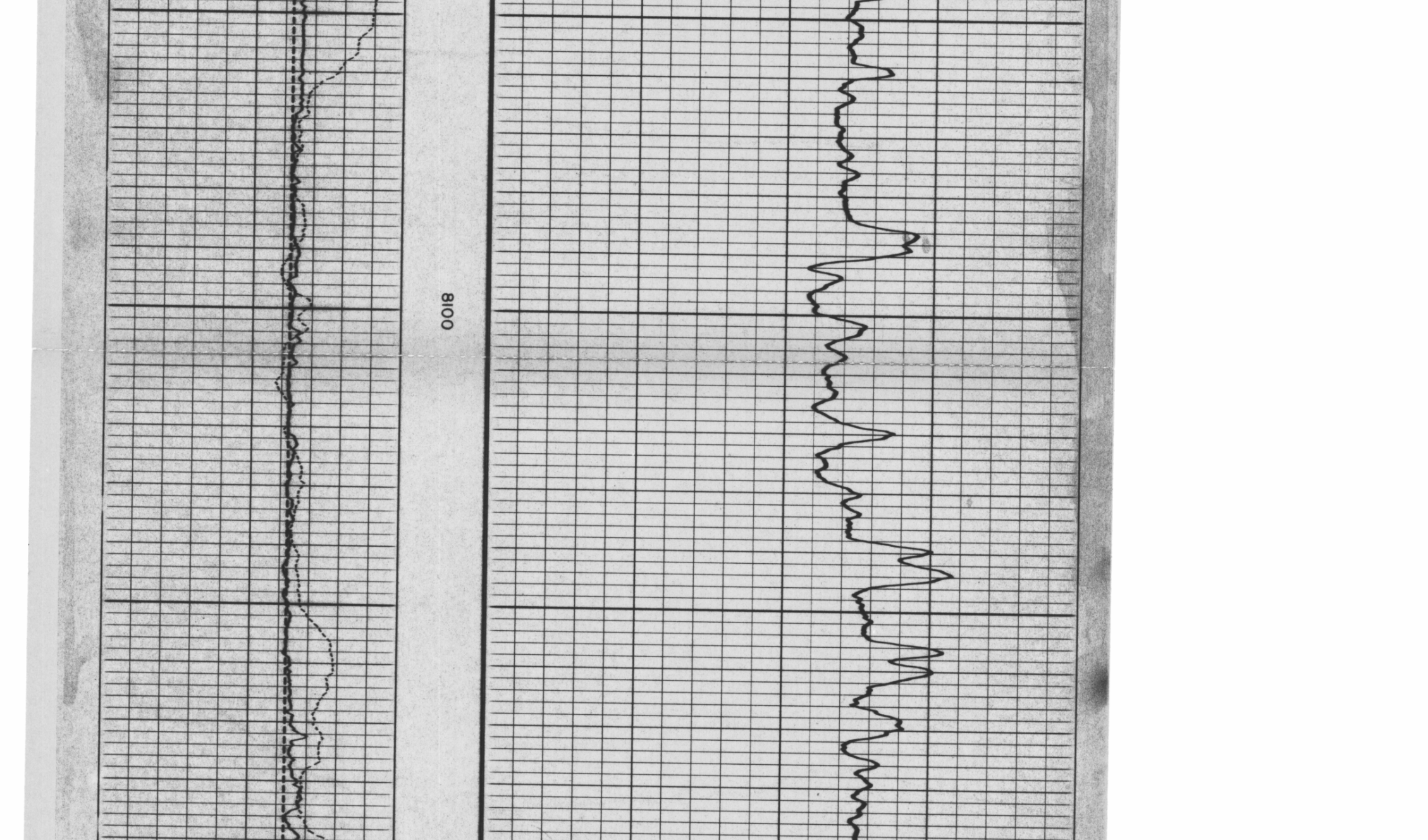
5 cm

SPONTANEOUS POTENTIAL millivolts	DEPTHS	INTERVAL TRANSIT TIME microseconds per foot Spacing: 2 ft.
7 8 9 10 11 12 13 14 15		110 100 90 80 70 60 50
CALIPER RECORDED 2' DEEP CALIPER Inches		10 milliseconds / 1 millisecond Integrated Transit Time
- 10 +		147.5 — 97.5 — 47.5

COMPANY ESSO
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE Vic OFFSHORE

SCHL. F.R. 8198
SCHL. T.D. 8198
DRLR. T.D. 8200

CALIBRATION FILMS



7 8 9 10 11 12 13 14 15

CALIPER RECORDED 2' DEEP

CALIPER

Inches

–|←10→|+

SPONTANEOUS POTENTIAL

millivolts

DEPTHS

110 100 90 80 70 60 50

10 milliseconds
Integrated Transit Time
1 millisecond

147.5 97.5 47.5

INTERVAL TRANSIT TIME

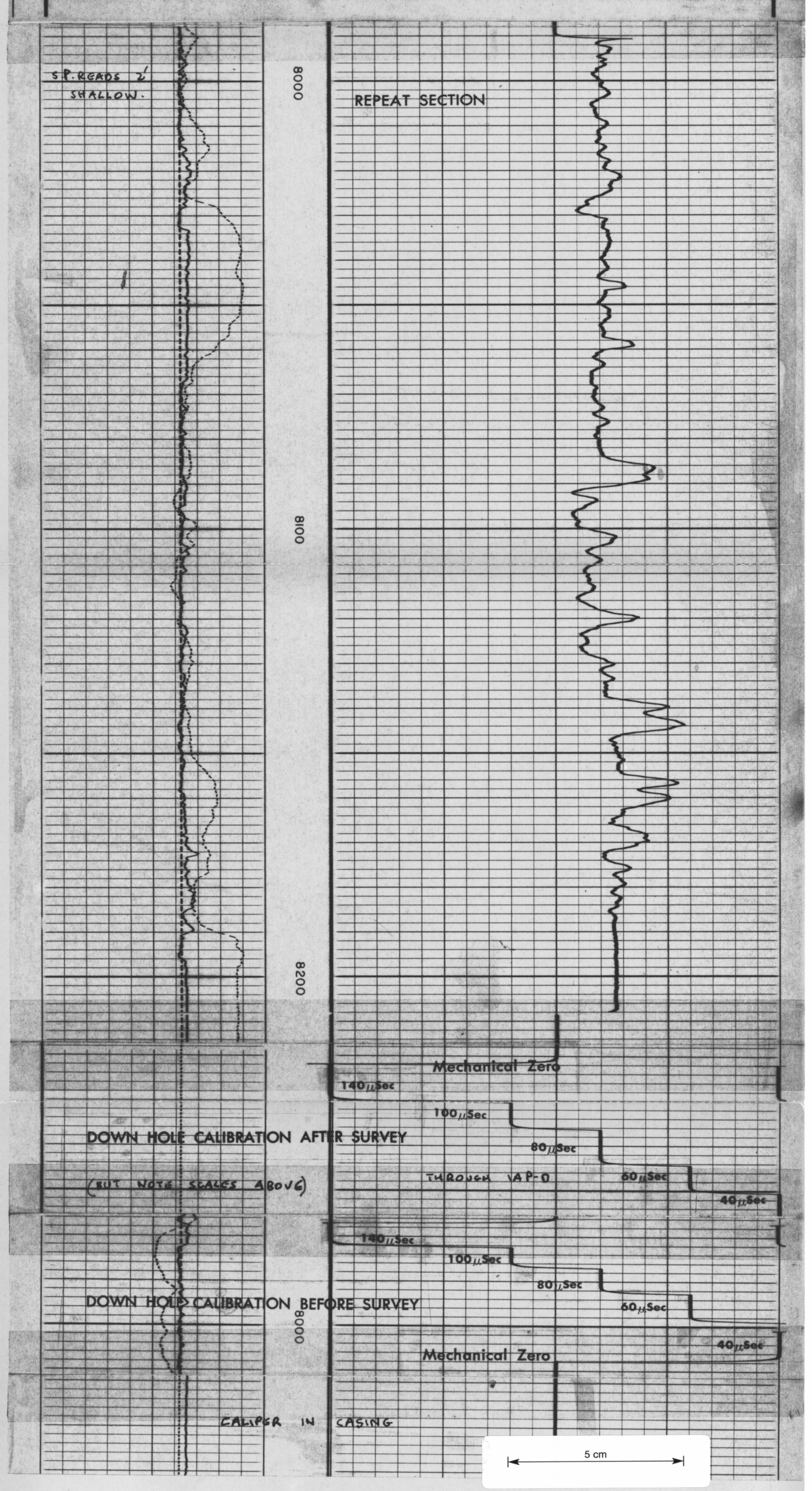
microseconds per foot

Spacing: 2 ft.

COMPANY ESSO
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE VIC OFFSHORE

SCHL. F.R. 8198
SCHL. T.D. 8198
DRLR. T.D. 8200

CALIBRATION FILMS



OR-343

ENCLOSURE 59

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG

COUNTRY	AUSTRALIA
FIELD	WILDCAT
WELL	PRAWN A-1
COMPANY	ESSO

COMPANY ESSO AUSTRALIA
351170
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TAS
Location: 143° 06′ 27″ E 39° 21′ 25″ S
Other Services: IES FDC-GR CDM CST
Ref. No.:

Permanent datum M.S.L. : Elev.:
Log Measured From R.T. 89 Ft. Above Perm. Datum
Drilling Measured From R.T. 89 Ft. Above Perm. Datum
Elev.: K.B.
D.F.
G.L.

RUN No. | Depth Scale	3 | 2″/100′	|	|
Date	30 MARCH 1968		
First Reading	10478		
Last Reading	8148		
Interval Measured	2330		
Casing Schlumberger	8148		
Casing Driller	8154		
Depth Reached	10478		
Bottom Driller	10477		
Mud Nature	XP-20 SPERSENE		
Density | Viscosity	10.8 | 51	|	|
Mud Resistivity	0.74 @ 69 °F	@ °F	@ °F
Mud Resist. BHT	0.22 @ 228 °F	@ °F	@ °F
pH | Fluid Loss	9.5 | 4.5 CC/30 min.	| CC/30 min.	| CC/30 min.
Origin of Sample	FLOWLINE		
Rmf	0.63 @ 64 °F	@ °F	@ °F
Rmc	1.4 @ 67 °F	@ °F	@ °F
Bit Size 1	8½ To 10430	To	To
2	8 To 10477	To	To
Casing Size	9⅝		
Opr. Rig Time	3½		
Truck No.	0-2072		
Recorded By	SINGER		
Witness	JAMES		

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REMARKS:
WAVE COMPENSATING DEVICE USED. MOVEMENT 14′

Velocity (Feet/sec.) = 1.000.000 / Interval Transit Time (microsec. ft.)

RECORDING DATA			
RUN No.	3		
Recording Speed	3000′/hr		
Centralizers	UPPER SPRING + CALIPER		

EQUIPMENT DATA			
RUN No.	3		
Cartridge No.	SLC-B 357		
Sonde No.	SLS-O 389		
Panel No.	SLP-C 353		

SPONTANEOUS POTENTIAL
millivolts

DEPTHS

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

10
−|↔|+

140 | 90 | 40
190 | 140

1 millisecond
Integrated Transit Time
10 milliseconds

CALIPER
Inches
CALIPER READS 2′ DEEP

7 8 9 10 11 12 13 14 15

7 8 9 10 11 12 13 14 15

CALIPER
Inches

10
−|↔|+

10 milliseconds
Integrated Transit Time
1 millisecond

190 | 140
140 | 90 | 40

SPONTANEOUS POTENTIAL
millivolts

DEPTHS

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

COMPANY ESSO EXPLORATION
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TASMANIA

SCHL. F.R. 10478
SCHL. T.D. 10478
DRLR. T.D. 10477

CALIBRATION FILMS

OR 343

ENCLOSURE 5h.

SCHLUMBERGER

BOREHOLE COMPENSATED SONIC LOG

COUNTRY AUSTRALIA
FIELD WILDCAT
WELL PRAWN A-1
COMPANY ESSO

COMPANY ESSO EXPLORATION
351171
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TAS
Location: 143° 06' 27" E 39° 21' 25" S
Other Services: IES FDC-GR CDM CST CBL
Ref. No.:

Permanent datum M.S.L. ; Elev.:
Log Measured From R.T. 89 Ft. Above Perm. Datum
Drilling Measured From R.T. 89 Ft. Above Perm. Datum
Elev.: K.B.
D.F.
G.L.

RUN No. | Depth Scale	3 | 5"/100'	|	|
Date	30 MARCH 1968		
First Reading	10478		
Last Reading	8148		
Interval Measured	2330		
Casing Schlumberger	8148		
Casing Driller	8148		
Depth Reached	10478		
Bottom Driller	10477		
Mud Nature	XP-20 SPERSENE		
Density | Viscosity	10.8 | 51	|	|
Mud Resistivity	0.74 @ 69 °F	@ °F	@ °F
Mud Resist. BHT	0.22 @ 228 °F	@ °F	@ °F
pH | Fluid Loss	9.5 | 4.5 CC/30 min.	| CC/30 min.	| CC 30 min.
Origin of Sample	FLOWLINE		
Rmf	0.63 @ 64 °F	@ °F	@ °F
Rmc	1.4 @ 67 °F	@ °F	@ °F
Bit Size 1	8½ To 10450	To	To
Bit Size 2	8 To 10477	To	To
Casing Size	9 5/8		
Opr. Rig Time	3½		
Truck No.	0-2072		
Recorded By	SINGER		
Witness	JAMES		

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REMARKS:
WAVE COMPENSATING DEVICE USED. MOVEMENT 14'

Velocity (Feet/sec.) = 1.000.000 / Interval Transit Time (microsec. ft.)

RECORDING DATA			
RUN No.	3		
Recording Speed	3000'/hr		
Centralizers	UPPER SPRING + CALIPER		

EQUIPMENT DATA			
RUN No.	3		
Cartridge No.	SLC-B 357		
Sonde No.	SLS-D 389		
Panel No.	SLP-C 353		

SPONTANEOUS POTENTIAL
millivolts
10
−|↔|+

CALIPER
Inches
CALIPER READS 2' DEEP
7 8 9 10 11 12 13 14 15

DEPTHS

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

140 | 90 40
190 140

1 millisecond
Integrated Transit Time
10 milliseconds

5 cm

7 8 9 10 11 12 13 14 15
CALIPER
Inches

10
−|↔|+

SPONTANEOUS POTENTIAL
millivolts

DEPTHS

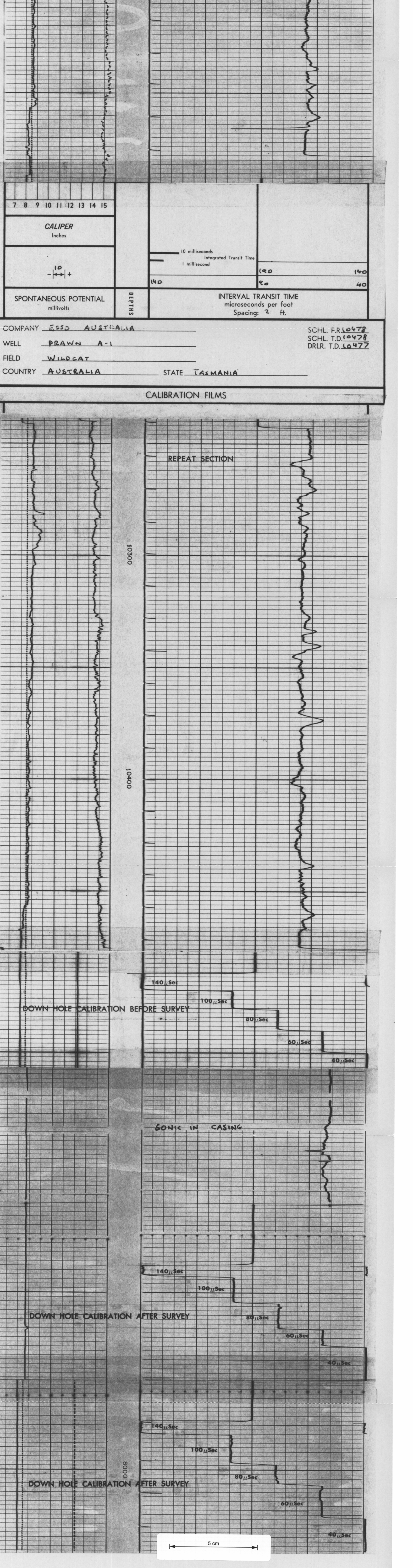
10 milliseconds
Integrated Transit Time
1 millisecond
140
190 140
90 40

INTERVAL TRANSIT TIME
microseconds per foot
Spacing: 2 ft.

COMPANY ESSO AUSTRALIA
WELL PRAWN A-1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TASMANIA

SCHL. F.R. 10478
SCHL. T.D. 10478
DRLR. T.D. 10477

CALIBRATION FILMS



5 cm