349058
ENCLOSURE 12a

OR 342

OFFSHORE 13

SCHLUMBERGER

COMPENSATED FORMATION DENSITY LOG
Gamma-Gamma

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON 1
COMPANY ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
Location: LAT 40° 08' S LONG 145° 55' E
Other Services: IES
Sec. ___ Twp. ___ Rge. ___

Permanent Datum: MSL ; Elev.: 0.0
Log Measured From KB 32 Ft. Above Perm. Datum
Drilling Measured From KB
Elev.: K.B. 32 D.F. 31 G.L. -259

FIELD PRINT

Date	26-9-1972
Run No.	TWO
Type Log	FDC-GR
Depth—Driller	10,493
Depth—Logger	10,495
Bottom logged interval	10,494
Top logged interval	8,758
Type fluid in hole	LIGNOSULPHONATE
Salinity, PPM Cl.	6,500
Density	11.1
Level	SURFACE
Max rec. temp., deg F.	230/232
Operating rig time	2¾ HRS
Recorded by	SEVELJ
Witnessed by	McKAY

BORE-HOLE RECORD				CASING RECORD			
Run No.	Bit	From	To	Size	Wgt.	From	To
TWO	8½"	8761	10,493	9⅝	47	SURFACE	8,761

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

EQUIPMENT DATA

Run No.	PG P-EA	PDH-D	PGH-A	PGS-E	Source No.	SFT-106	SGH	Logging Unit	Location
1									
2	311	274	188	265	GRS-A 2647	302	205	2080	SAL
3									

CALIBRATION DATA

Run No.	Gamma Ray			FDC — Before Log — ACPS		FDC — After Log — ACPS	
	API Scale	Background CPS	Total CPS	P_1	P_2	P_1	P_2
1							
2	150	16	400	400	768	400	768
3							

LOGGING DATA

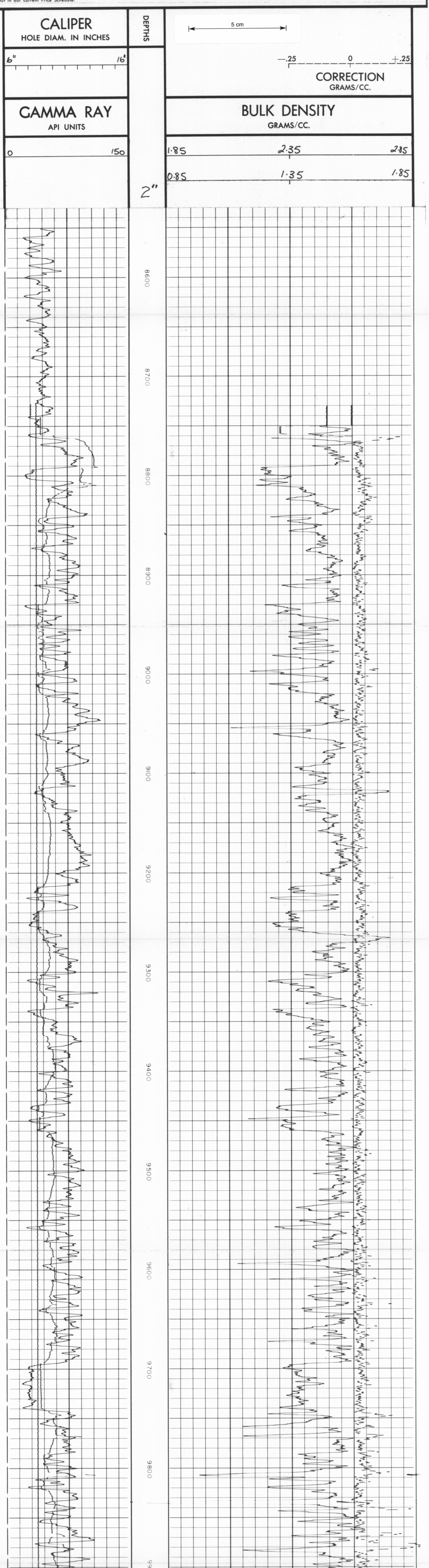
Run No.	General				Gamma Ray	FDC Selectors			
	Depths From	Depths To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
TWO	10,494	8,758	30	2	150				

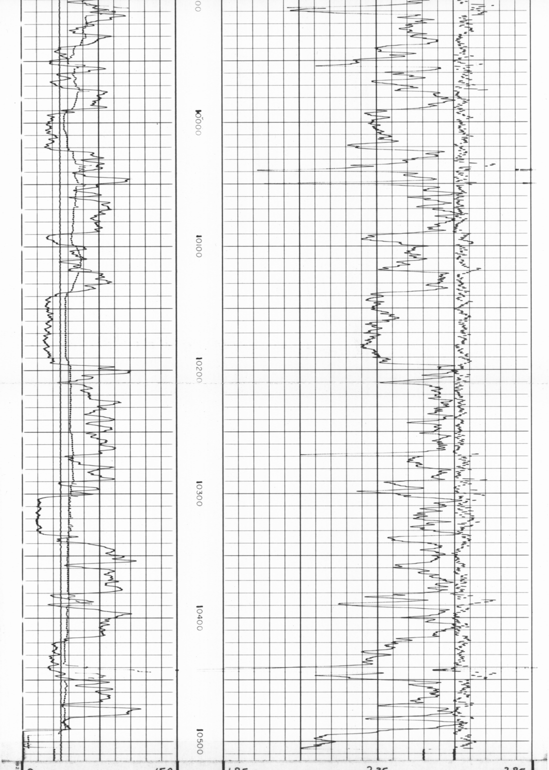
MUD DATA

Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	@ °F				@ °F	
2	1.04 @ 61 °F				@ °F	
3	@ °F				@ °F	

Remarks: CALIPER READS SLIGHTLY HIGH IN CASING.
CALIPER NOT DOTTED ON REPEAT SECTION.
LOG 5' OFF DEPTH WITH RESPECT TO INDUCTION LOG. GAMMA RAY USED TO TIE IN TO PREVIOUS RUN.

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpreations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.





0 150

2"

1.85 2.35 2.85

0.85 1.35 1.85

GAMMA RAY
API UNITS

BULK DENSITY
GRAMS/CC.

6" 16"

—.25 0 +.25

CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

Rm 1.04 @ 61 °F
BHT 230/232 °F

SCHL. FR 10494
SCHL. TD 10495
DRLR TD 10493
Elev:
KB 32
DF 31
GL -259

REPEAT SECTION

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

6" 16"

—.25 0 +.25

CORRECTION
GRAMS/CC.

GAMMA RAY
API UNITS

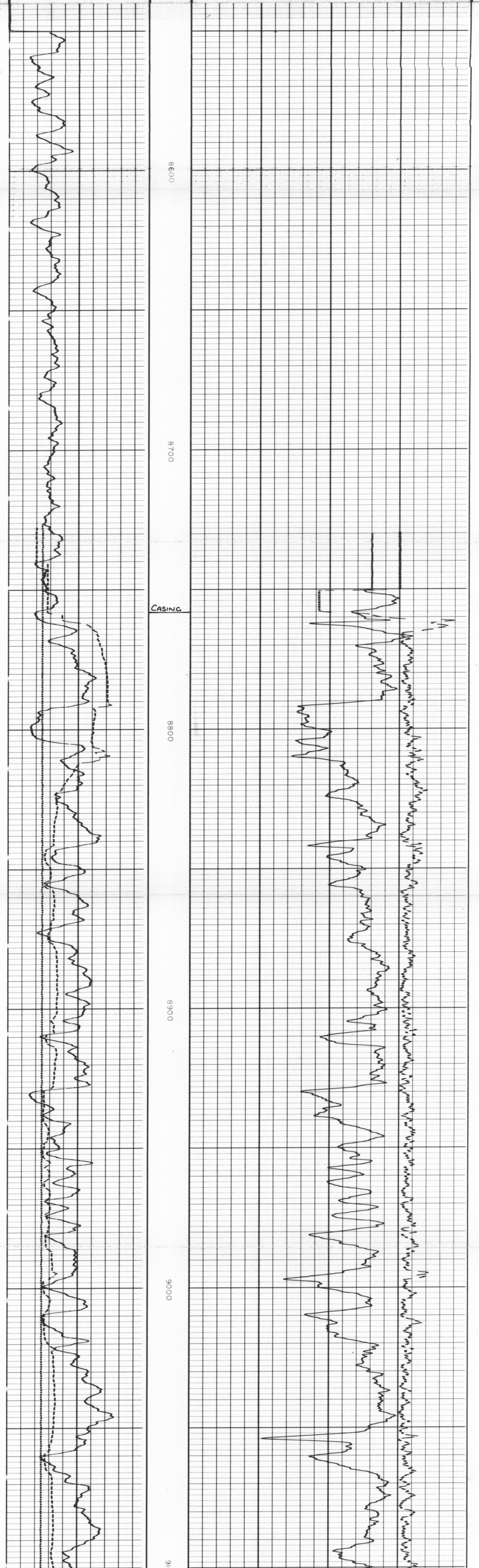
BULK DENSITY
GRAMS/CC.

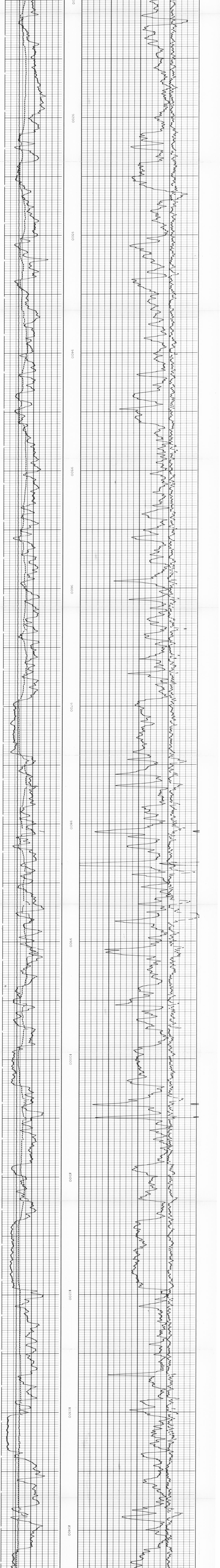
0 150

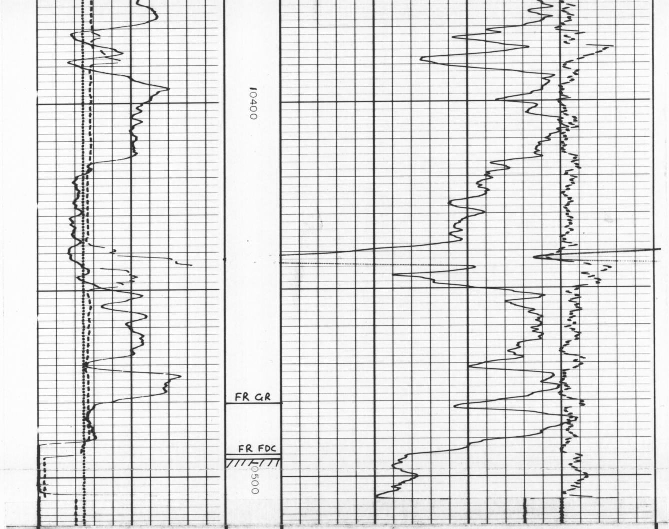
1.85 2.35 2.85

0.85 1.35 1.85

5"







0	150	5"	1.85	2.35	2.85
			0.85	1.35	1.85

GAMMA RAY
API UNITS

BULK DENSITY
GRAMS/CC.

6" 16"

−.25 0 +.25

CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

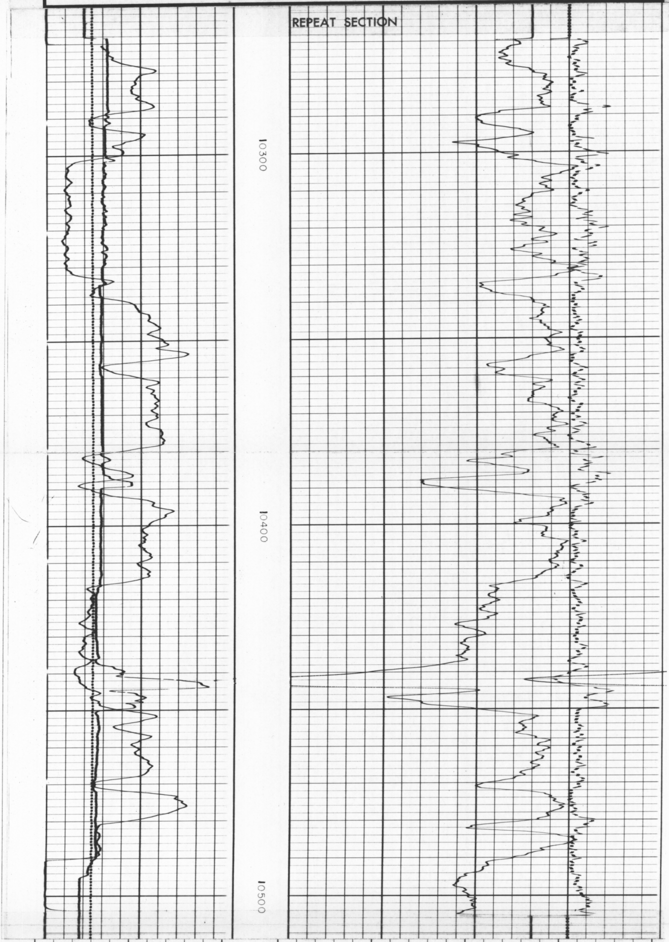
DEPTHS

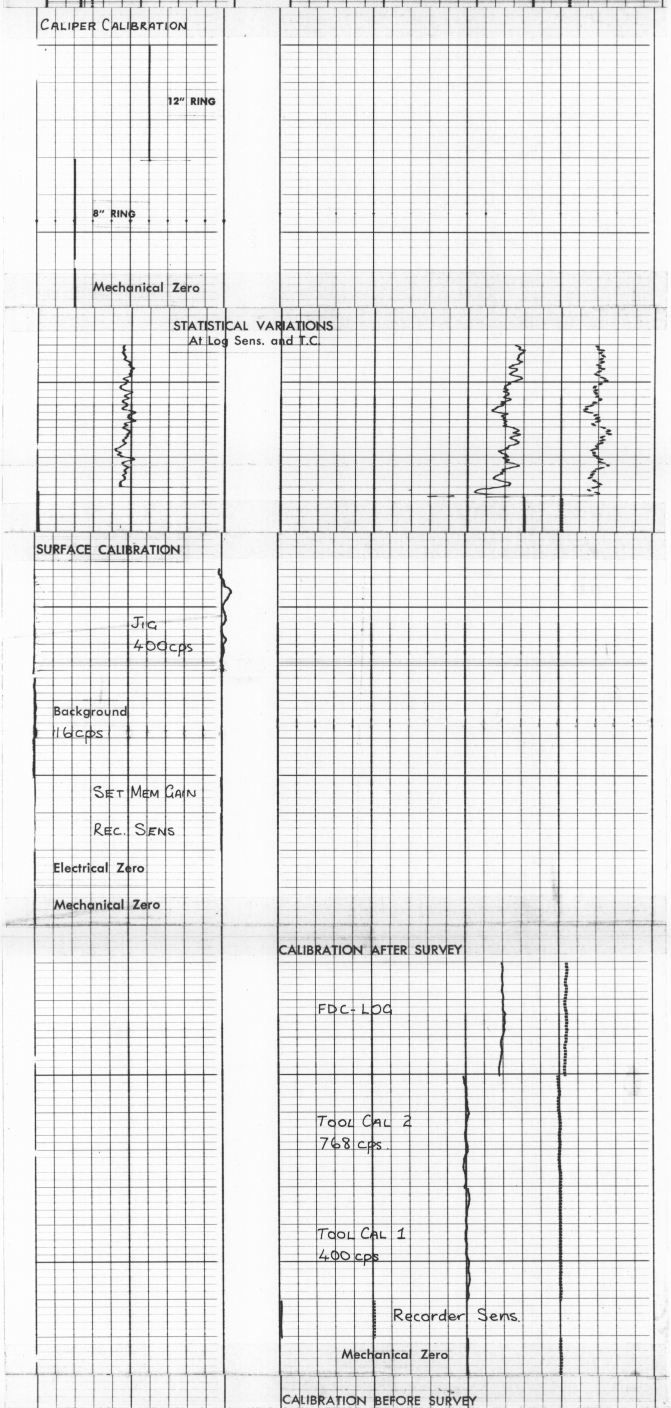
COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

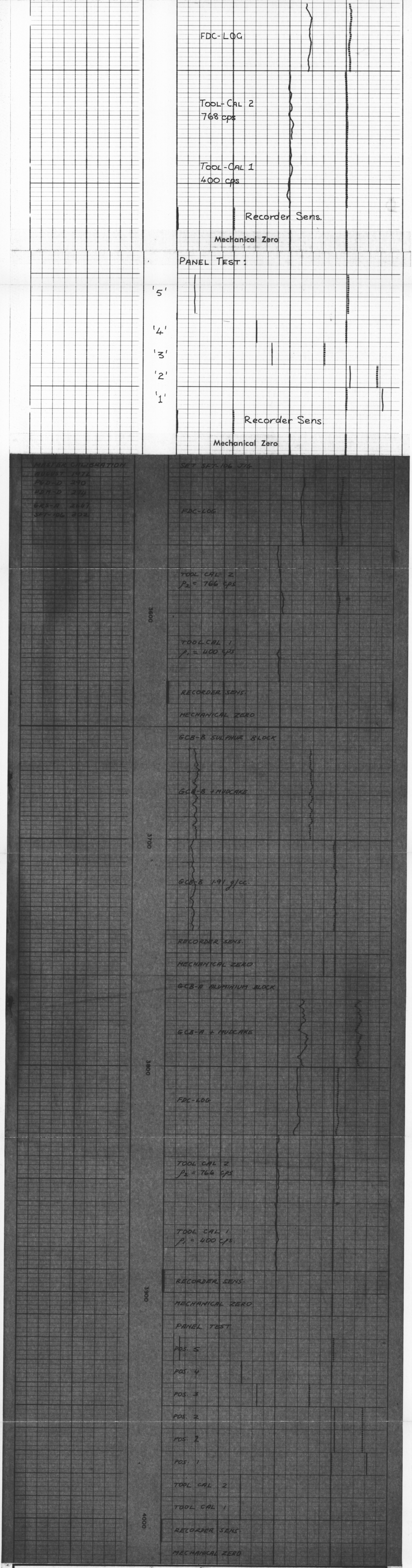
Rm 1.04 @ 61 °F
BHT 230/232 °F

SCHL. FR 10494
SCHL. TD 10495
DRLR TD 10493
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA







CALIBRATION DATA

5 cm

COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

Rm 1.04 @ 61 °F
BHT ~~230~~/232 °F

SCHL. FR 10494
SCHL. TD 10495
DRLR TD 10,493
Elev:
KB 32
DF 31
GL-259

349059

ENCLOSURE 12b

OR_342

SCHLUMBERGER

COMPENSATED FORMATION DENSITY LOG

Gamma Gamma

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON NO 1
COMPANY ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LIMITED

WELL POONBOON 1

FIELD WILDCAT

COUNTY AUSTRALIA STATE TASMANIA

Location: LAT. 40° 08'S LONG. 145° 55'E

Sec. Twp. Rge.

Other Services: IES

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	29 SEP 1972	29 SEP 1972	
Run No.	2 2"	3 2"	
Type Log	FDC/GR	FDC/GR	
Depth—Driller	10,493	10,690	
Depth—Logger	10,495	10,692	
Bottom logged interval	10,494	10,691	
Top logged interval	8,758	9,950	
Type fluid in hole	LIGNOSULPHONATE	LIGNOSULPHONATE	
Salinity, PPM Cl.	6,500	3400	
Density	11.1	12.2	
Level	SURFACE	SURFACE	
Max rec. temp., deg F.	230/232	228	
Operating rig time	2 3/4 HOURS	2 ½ HOURS	
Recorded by	SEVELJ	CHAFFE	
Witnessed by	McKAY	BLACK/McKAY	

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	Bit	From	To	Size	Wgt.	From	To
2	8½"	8761	10,493	95/8		SURFACE	8,761
3	8½"	8761	10,690	95/8		SURFACE	8,761

FOLD HERE

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

EQUIPMENT DATA

Run No.	PG P-EA	PDH-B	PGH-A	PGS-E	Source No.	SFT-106	SGH	Logging Unit	Location
1									
2	311	276	188	265	GRS-A-2667	302	205	2080	SAL
3	311	274	188	265	GRS-A-2667	302	205	2080	SAL

CALIBRATION DATA

Run No.	Gamma Ray			FDC — Before Log — ACPS		FDC — After Log — ACPS	
	API Scale	Background CPS	Total CPS	P_1	P_2	P_1	P_2
1							
2	150	16	400	768	400	768	400
3	CAL	40	440	768	400	768	400

LOGGING DATA

Run No.	General				Gamma Ray	FDC Selectors			
	Depths From	Depths To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
2	10,494	8,758	30	2	0-150				
3	10,691	9950	30	2	0-150				

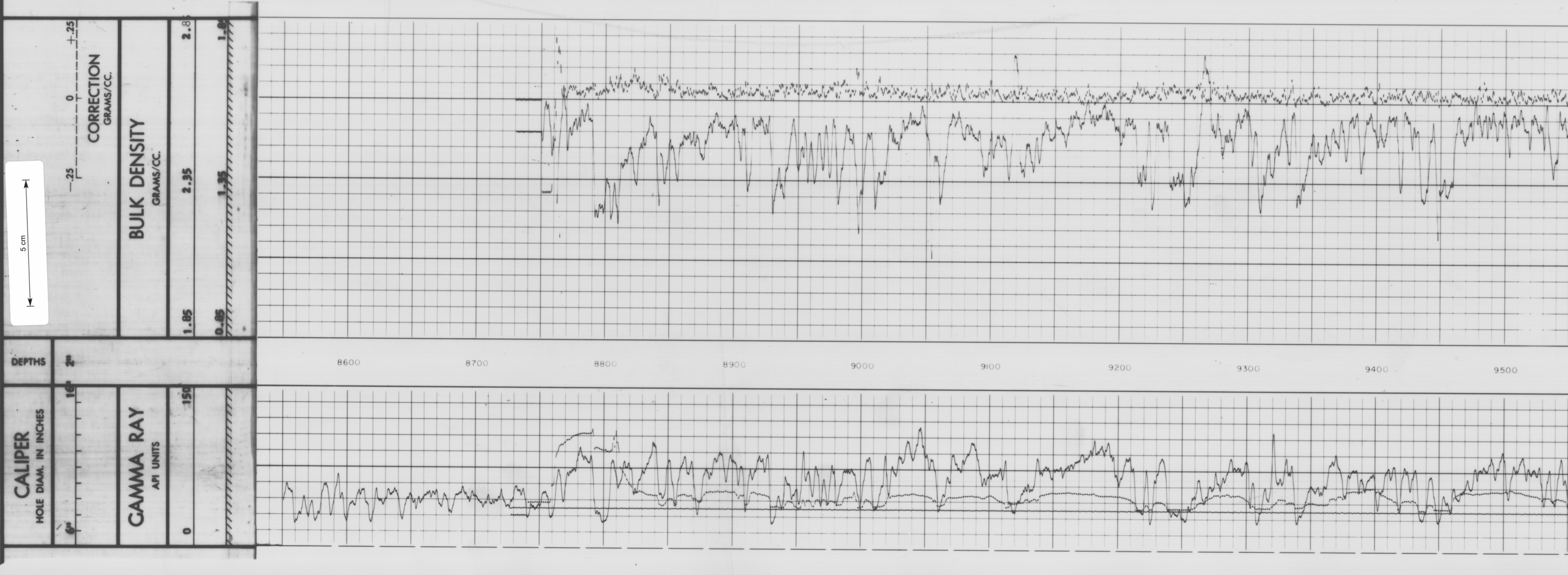
MUD DATA

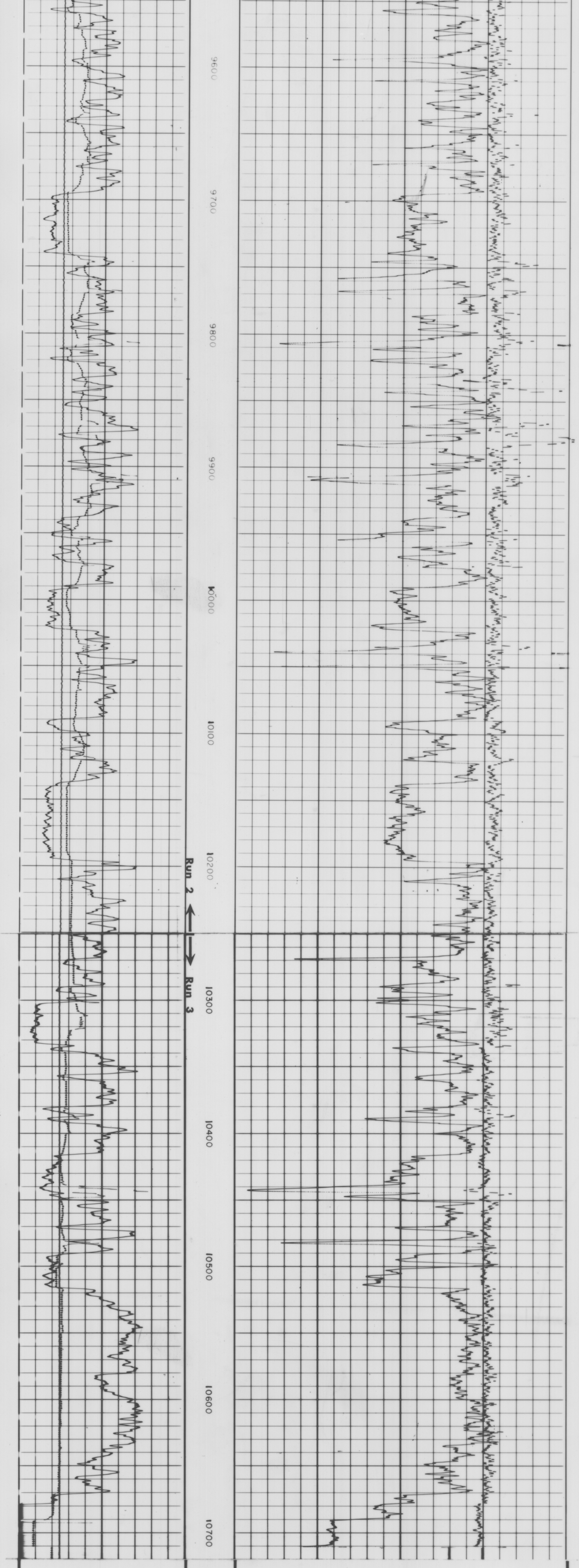
Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	@ °F				@ °F	
2	1.06 @ 61 °F				@ °F	
3	1.1 @ 69 °F				@ °F	

Remarks: * RUN TWO

CALIPER READS SLIGHTLY HIGH IN CASING.
CALIPER NOT DOTTED ON REPEAT SECTION.
LOG 5' OFF DEPTH WITH RESPECT TO INDUCTION LOG.
GAMMA RAY USED TO TIE IN TO PREVIOUS RUN.;

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.





0 150

1.85 2.35 2,85

0.85 1.35 1.85

2"

GAMMA RAY
API UNITS

BULK DENSITY
GRAMS CC.

6" 16"

—.25 0 +.25

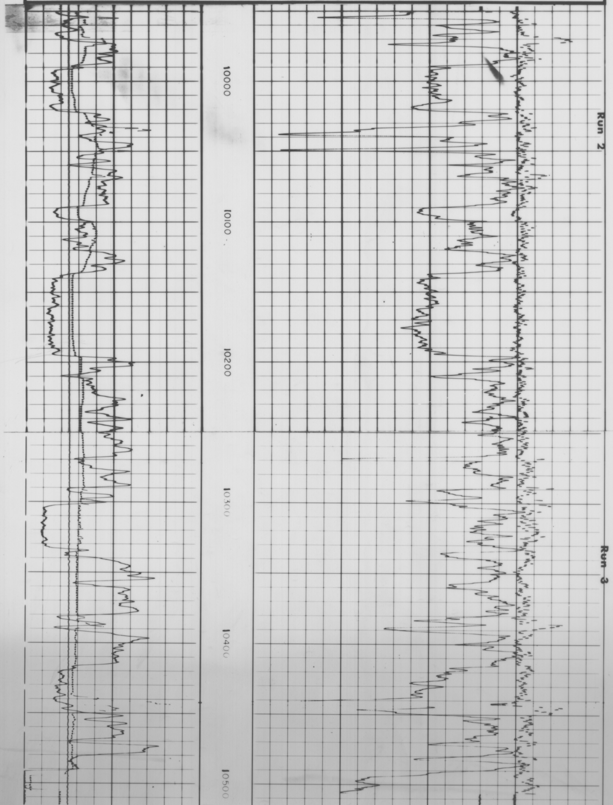
CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

COMPANY ESSO AUSTRALIA LIMITED
Rm ______ @ ______ °F
BHT ______ °F
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 10,691
SCHL. TD 10,692
DRLR TD 10,690
Elev:
KB 32
DF 31
GL -259



OR_342

349060

ENCLOSURE 12c

Schlumberger

COMPENSATED FORMATION DENSITY LOG

Gamma-Gamma

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON 1
COMPANY ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
Location: LAT. 40° 08'S LONG. 145° 55'E
Sec. ____ Twp. ____ Rge. ____
Other Services: IES

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	29 SEP 1972
Run No.	3 5"
Depth-Driller	10,690
Depth-Logger	10,692
Btm. log interval	10,691
Top log interval	9,950
Type fluid in hole	LIGNOSULPHONATE
Salinity, PPM Cl.	5400
Dens. / Visc.	12.2
pH / Fluid loss	
Level	SURFACE
Time since circ.	2 1/2 HOURS
Max rec. temp.	228
Recorded by	CHAFFE
Witnessed by	BLACK/MCKAY

BORE-HOLE RECORD			CASING RECORD			
Run No.	Bit	From	To	Size	Wgt.	From	To
3	8½"	8761	10,690	95/8		SURFACE	8,761

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

EQUIPMENT DATA

Run No.	PG P-	PDH-A	PGH-A	PGS-	Source No.	SFT-106	SGH	Logging Unit	Location
1									
2									
3	311	247	188	265	2647	302	205	2080	SAL

CALIBRATION DATA

Run No.	Gamma Ray			FDC — Before Log — ACPS		FDC — After Log — ACPS	
	API Scale	Background CPS	Total CPS	P_1	P_2	P_1	P_2
1							
2							
3	CAL	40	140	400	768	400	768

LOGGING DATA

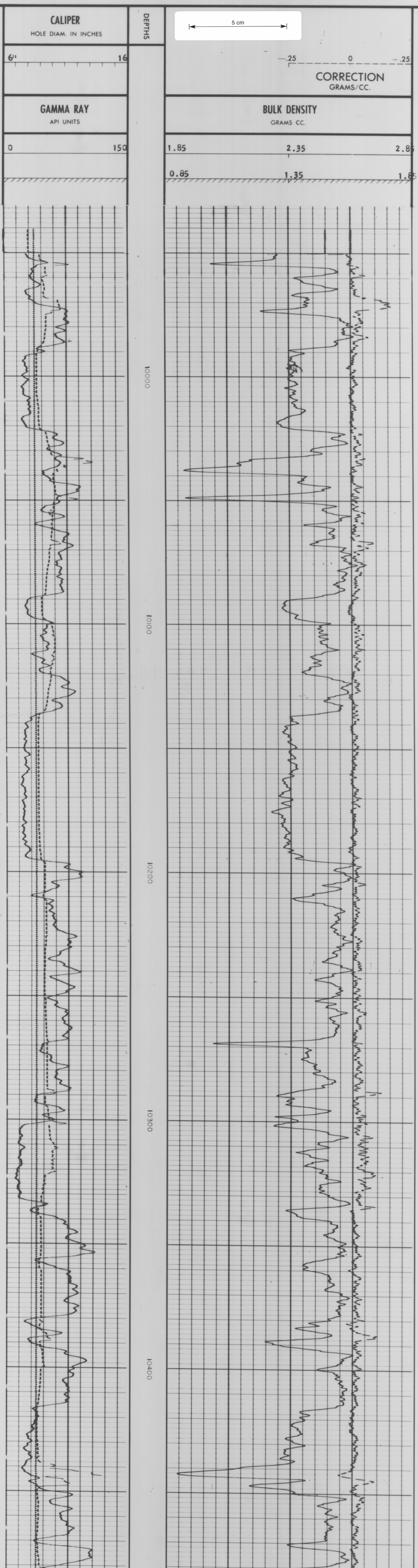
Run No.	General				Gamma Ray	FDC Selectors			
	Depths From	Depths To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
3	10,691	9950	30	2	0-150				

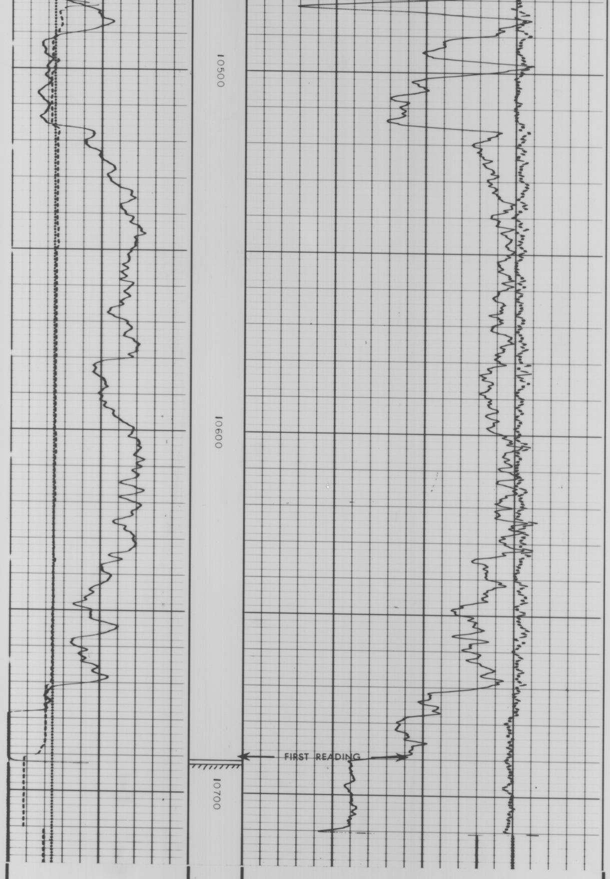
MUD DATA

Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	@ °F				@ °F	
2	@ °F				@ °F	
3	1.1 @ 69 °F				@ °F	

Remarks:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.





0	150		1.85	2.85	2.85
			0.85	1.35	1.85

GAMMA RAY
API UNITS

5"

BULK DENSITY
GRAMS CC.

6" 16"

−.25 0 +.25

CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

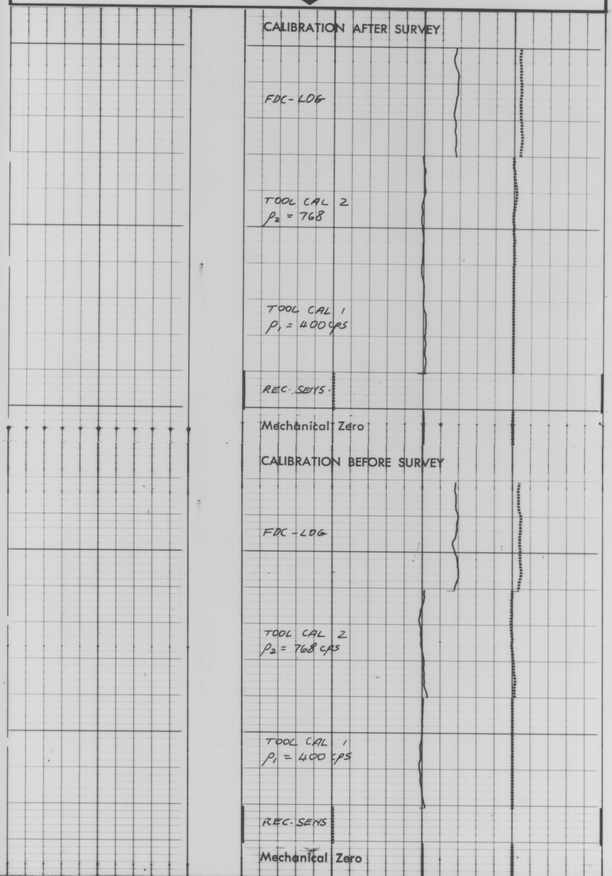
DEPTHS

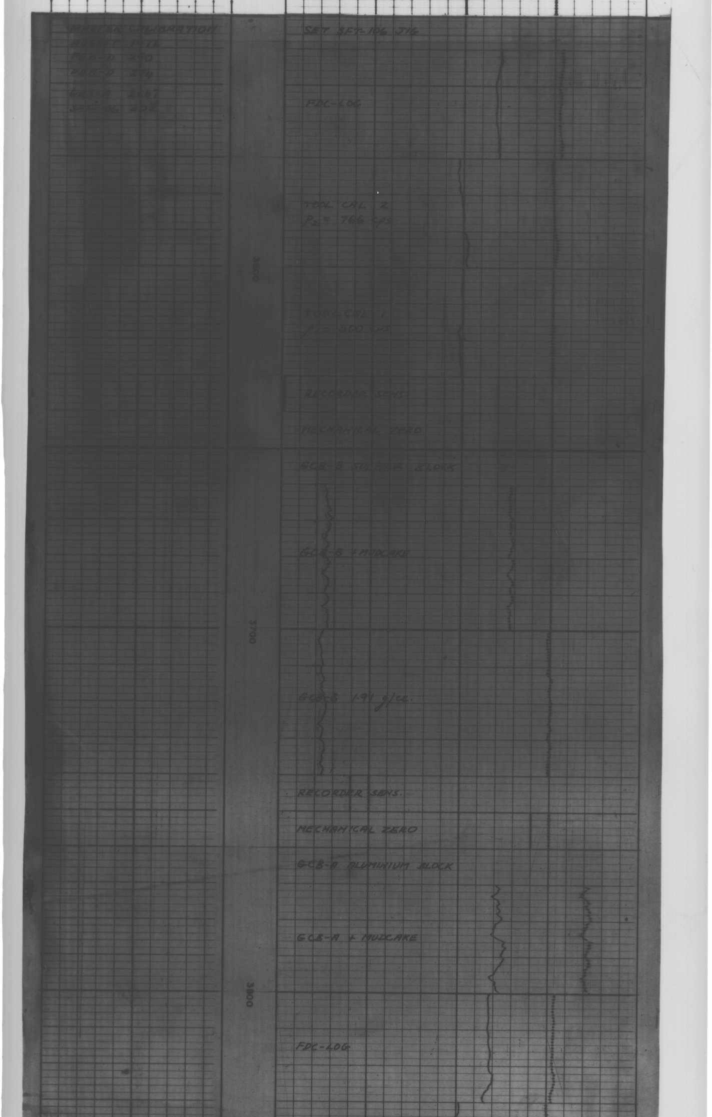
COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

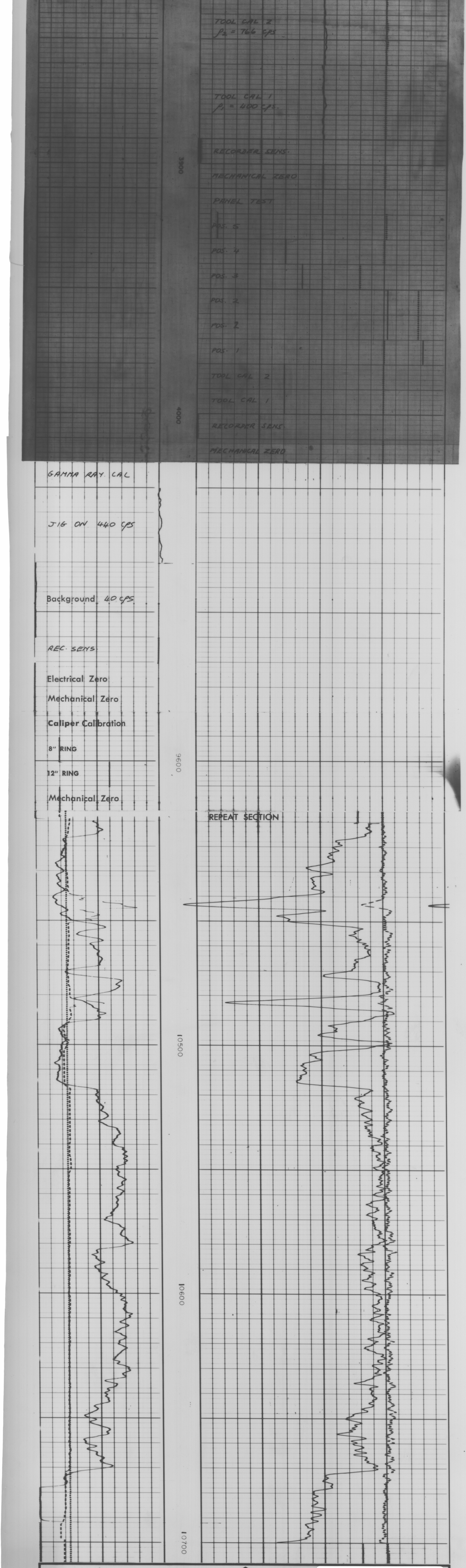
Rm ______ @ ______ °F
BHT ______ °F

SCHL. FR 10,601
SCHL. TD 10,692
DRLR TD 10,690
Elev:
KB 32
DF 31
GL -259

CALIBRATION RECORD







CALIBRATION RECORD

5 cm

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

Rm ______ @ ______ °F
BHT ______ °F

SCHL. FR 10,681
SCHL. TD 10,692
DRLR TD 10,690
Elev:
KB 32
DF 31
GL -259

349061

OR-342

OFFSHORE 13

ENCLOSURE 12d

Schlumberger

COMPENSATED FORMATION DENSITY LOG

Gamma-Gamma

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.
Other Services: FIT
Sec. Twp. Rge.

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

FIELD PRINT

Date	SEPT 29 1972
Run No.	3, 5", 2"
Type Log	FDC-GR
Depth—Driller	10,690
Depth—Logger	10,692
Bottom logged interval	10,691
Top logged interval	9,950
Type fluid in hole	LIGNOSULPHONATE
Salinity, PPM Cl.	5400
Density	12.2
Level	FULL
Max rec. temp., deg F.	228°F
Operating rig time	2½ HRS.
Recorded by	CHAFFE
Witnessed by	BLACK, McKAY

BORE-HOLE RECORD				CASING RECORD			
Run No.	Bit	From	To	Size	Wgt.	From	To
3	8½	8761	10,690	9⅝	47	SURF.	8,761

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

EQUIPMENT DATA

Run No.	PG P-EA	PDH-D	PGH-A	PGS-E	Source No.	SFT-106	SGH	Logging Unit	Location
1									
2									
3	311	274	188	265	2647	302	205	2080	SAL

CALIBRATION DATA

Run No.	Gamma Ray			FDC — Before Log — ACPS		FDC — After Log — ACPS	
	API Scale	Background CPS	Total CPS	P_1	P_2	P_1	P_2
1							
2							
3	CAL	40	440	400	768	400	768

LOGGING DATA

Run No.	General				Gamma Ray	FDC Selectors			
	Depths From	Depths To	Speed Ft./Min.	Tc	API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
3	10,691	9950	30	2	0-150				

MUD DATA

Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	@ °F				@ °F	
2	@ °F				@ °F	
3	1.1 @ 69 °F				@ °F	

Remarks:

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpreations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 7 of our General Terms and Conditions as set out in our current Price Schedule.

CALIPER
HOLE DIAM. IN INCHES
6" BIT SIZE 16"

DEPTHS

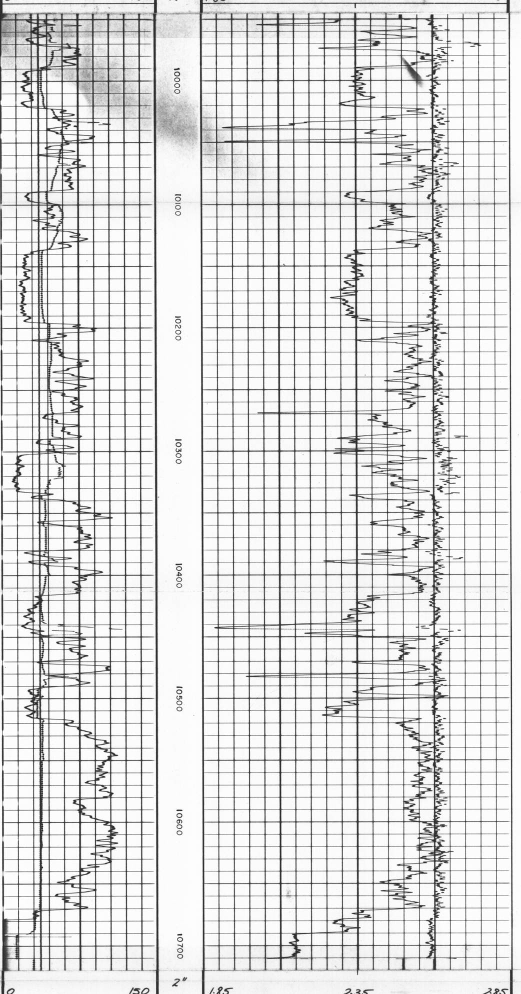
5 cm

—.25 0 +.25
CORRECTION
GRAMS/CC.

GAMMA RAY
API UNITS
0 150

2"

BULK DENSITY
GRAMS/CC.
1.85 2.35 2.85



0 150
2"
1.85 2.35 2.85

GAMMA RAY
API UNITS

BULK DENSITY
GRAMS/CC.

6" BIT SIZE 16"

—.25 0 +.25
CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

DEPTHS

COMPANY ESSO AUSTRALIA LTD.
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
Rm 1.1 @ 69 °F
BHT 228 °F
SCHL. FR 10691
SCHL. TD 10692
DRLR TD 10690
Elev:
KB 32
DF 31
GL -259

CALIPER
HOLE DIAM. IN INCHES
6" BIT SIZE 16"

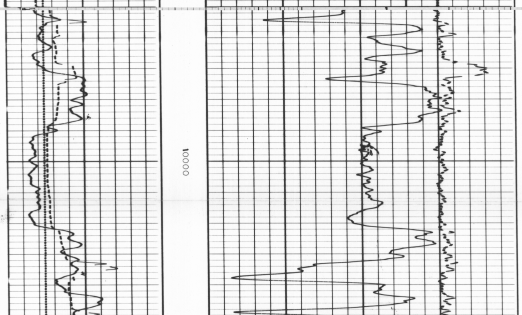
DEPTHS

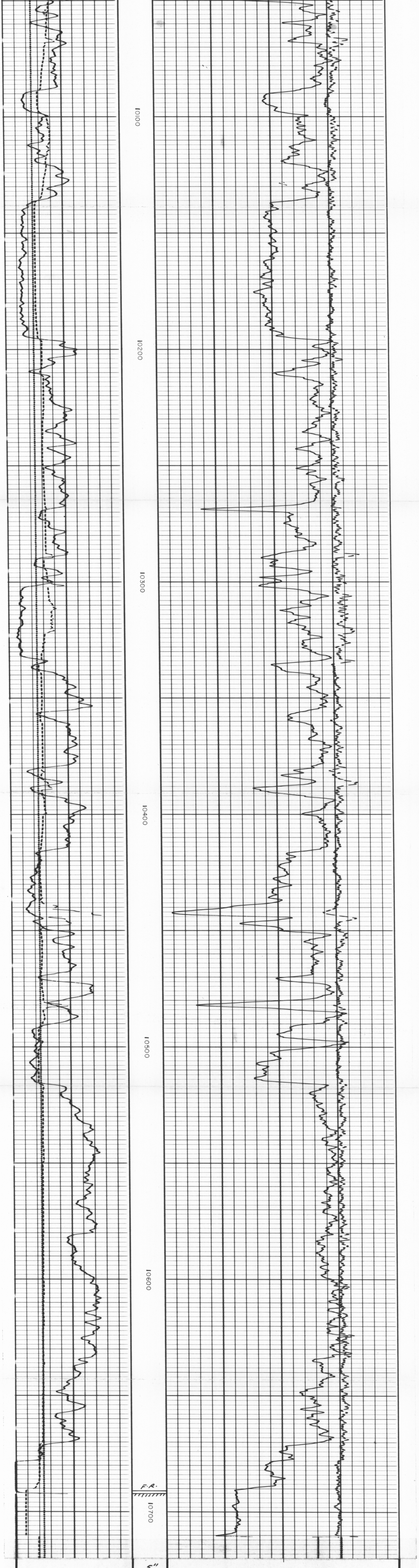
—.25 0 +.25
CORRECTION
GRAMS/CC.

GAMMA RAY
API UNITS
0 150

5"

BULK DENSITY
GRAMS/CC.
1.85 2.35 2.85





0 150 | 5" | 1.85 2.35 2.85

GAMMA RAY
API UNITS

BULK DENSITY
GRAMS/CC.

6" BIT SIZE 16"

—.25 0 +.25

CORRECTION
GRAMS/CC.

CALIPER
HOLE DIAM. IN INCHES

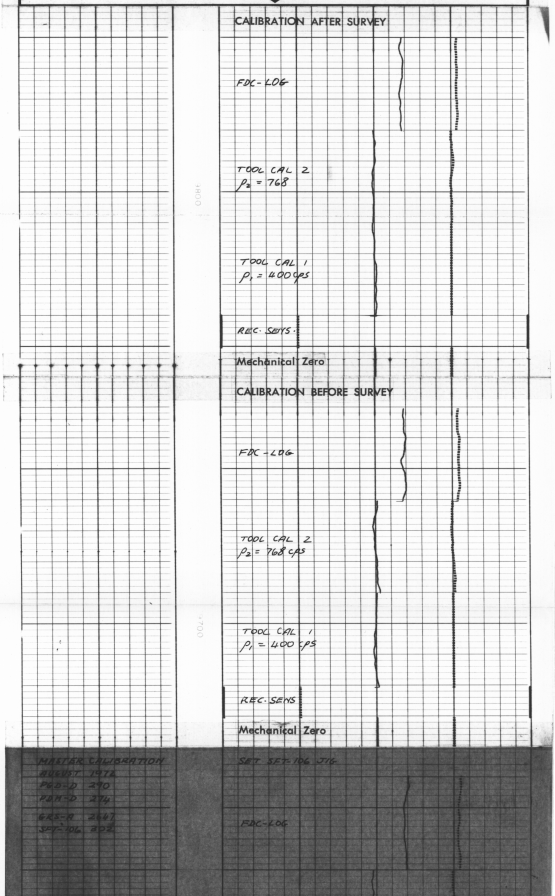
DEPTHS

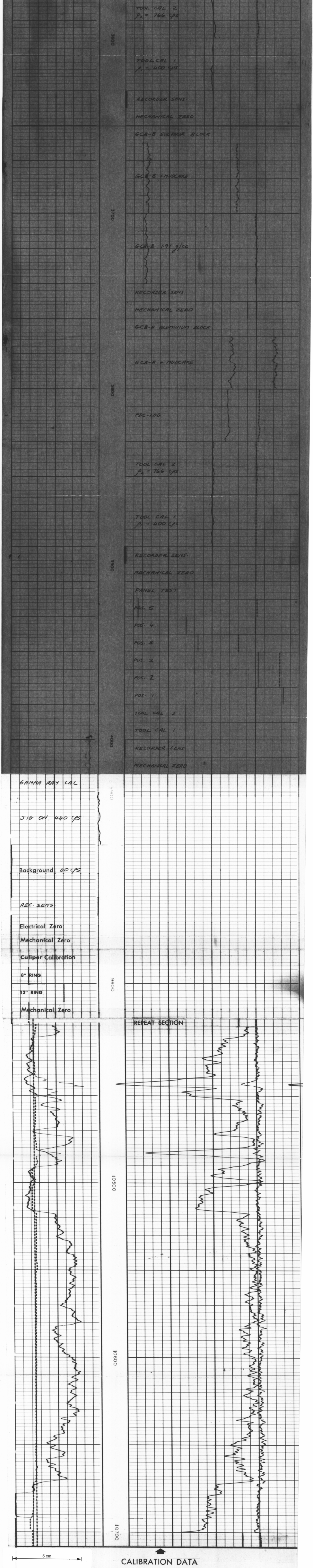
COMPANY ESSO AUSTRALIA LTD.
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

Rm 1.1 @ 69 °F
BHT 228 °F

SCHL. FR 10691
SCHL. TD 10692
DRLR TD 10690
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA





5 cm

CALIBRATION DATA

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

Rm 1.1 @ 69 °F
BHT 228 °F

SCHL. FR 10691
SCHL. TD 10692
DRLR TD 10690
Elev:
KB 32
DF 31
GL -259

34962

OFFSHORE 13

ENCLOSURE 13a

Schlumberger

ISF/SONIC

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

COMPANY ESSO AUSTRALIA LIMITED
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 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. -259'

Date	12 SEPT'72	30 SEPT'72
Run No.	1	2
Depth—Driller	8827	10720
Depth—Logger	8831	10715
Btm. Log Interval	8806	10708
Top Log Interval	3028	8759
Casing—Driller	13 3/8 @ 3032	9 5/8 @ 8761
Casing—Logger	3028	8759
Bit Size	12 1/4"	8 1/2"
Type Fluid in Hole	LIGNOS'ATE	LIGNOS'ATE
Dens. / Visc.	10.2 / 43	12.2 / 46
pH / Fluid Loss	10.5 / 5 ml	9.8 / 5.6 ml
Source of Sample	FLOWLINE	FLOWLINE
Rm @ Meas. Temp.	1.04 @ 72 °F	.868 @ 89 °F
Rmf @ Meas. Temp.	0.50 @ 72 °F	.482 @ 72 °F
Rmc @ Meas. Temp.	1.26 @ 72 °F	1.22 @ 72 °F
Source: Rmf / Rmc	PRESS / PRESS	PRESS / PRESS
Rm @ BHT	0.37 @ 195 °F	0.35 @ 218 °F
Time Since Circ.	8 HOURS	7 HOURS
Max. Rec. Temp.	195 °F	218 °F
Equip. / Location	2080 / SAL	2080 / SAL
Recorded By	CHAFFE	CHAFFE
Witnessed By	MEBBERSON	BLACK

Run No.	1	2
Ind. Panel No.	48	48
Mem. Panel No.	53	53
Ind. Cart. No.	60	60
Ind. Sonde No.	27	27
Sonic Panel No.	34	34
Oscil. Panel No.	599	599
Sonic Cart. No.	32	32
Sonic Sonde No.	93	93
G.R. Cart. No.		
G.R. Panel No.		
Caliper No.		
TTR No.		
S.E.		
SBR	1	1
Cent. Device		
Stand off-Inches	1.5"	1 1/2"
Time Const.-Sec.		
Speed-F.P.M.	70	45

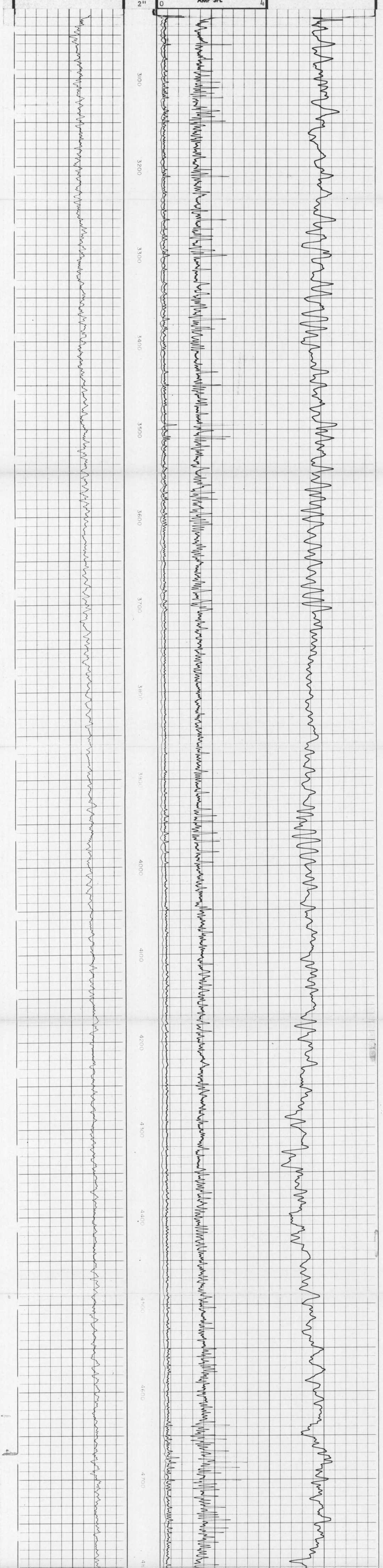
REMARKS: RERAN SONIC REPEAT SECTION (UP HOLE AT T.D.) AS FIRST DID NOT REPEAT. (CHANGED SONIC MEM. LENGTH DURING FIRST REPEAT RUN) SECOND REPEAT RUN SHOWS SFL OF COMPLETELY DIFFERENT CHARACTER, COULD NOT CHECK TOOL FULLY MADE UP IN DERRICK DUE TO VERY BAD WEATHER.

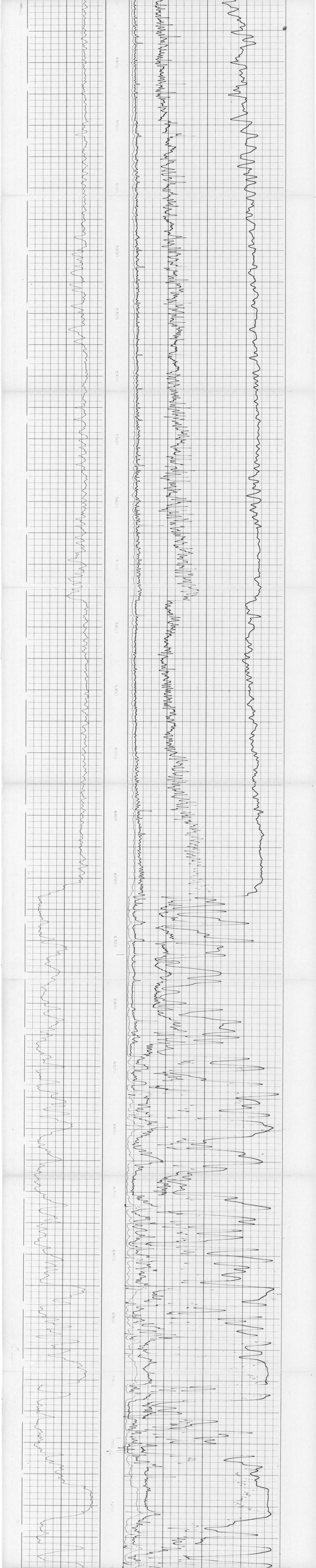
Service Order No.-
API Serial No.-
Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at Rm
☐ 6FF40 zero set in hole at depth of feet.

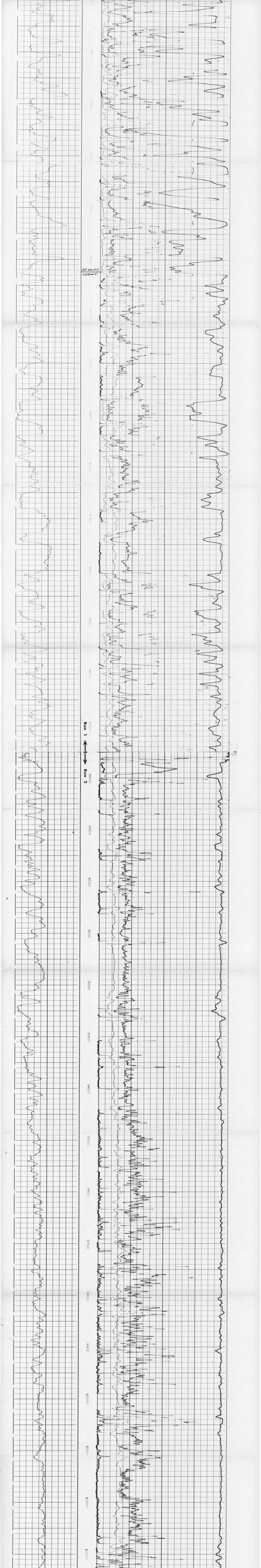
CALIBRATION:	BACKGND. CPS.	SOURCE CPS.	GALV. INCR. DIVISIONS	SENS. TAP (FOR CAL.)	SENS. TAP (RECORD)	TIME CONST.
GAMMA RAY:						

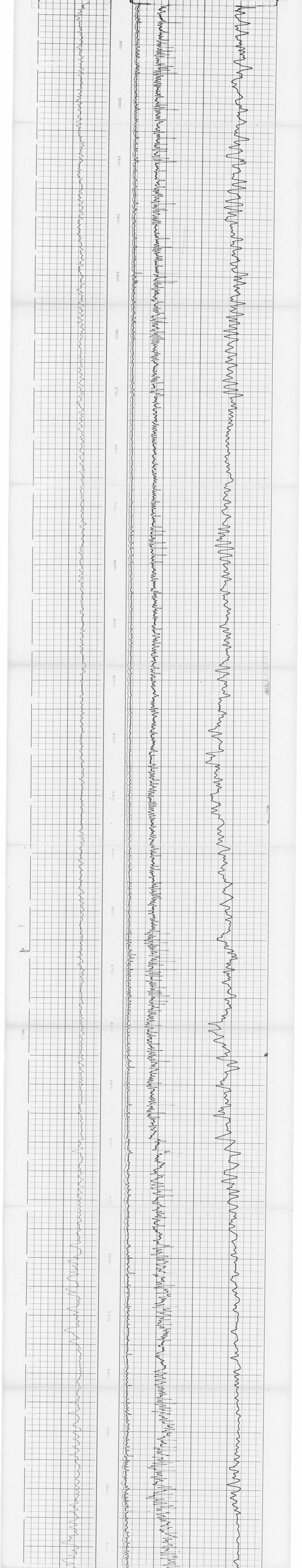
$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

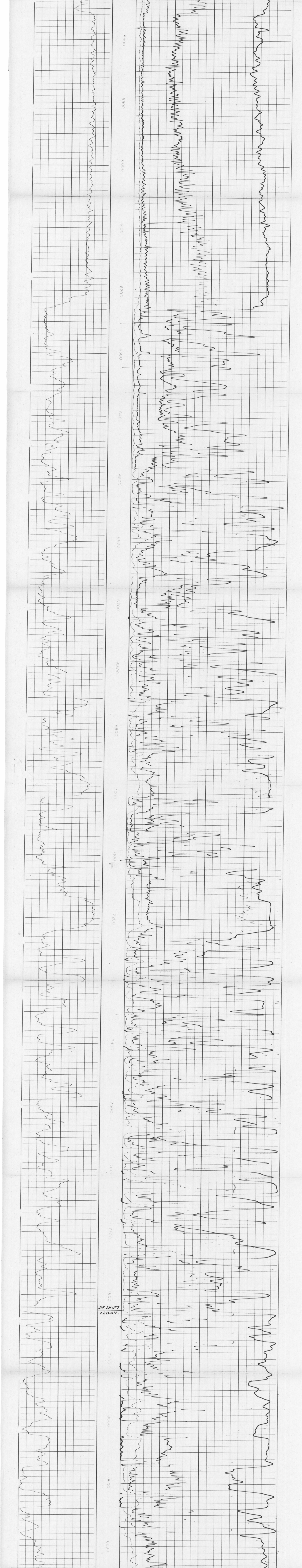
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms - m²/m
10 − ↔ +		SPHERICALLY FOCUSED 0 20 0 200	6 FF40 INDUCTION 2000 0
		INDUCTION 0 20	
	2"	AMP SFL 0 4	



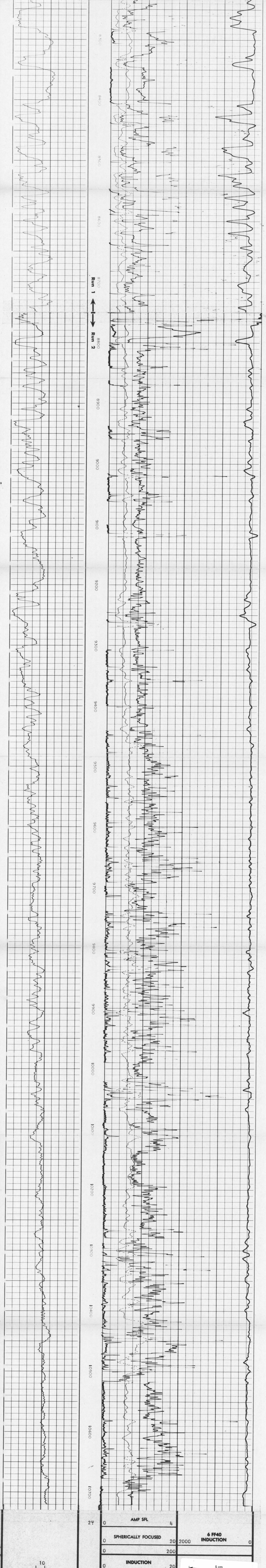








S.P. SHIFT
+20mV.



10 − + **SPONTANEOUS-POTENTIAL** millivolts	2Y **DEPTHS**	AMP SFL 0 4 SPHERICALLY FOCUSED 0 20 0 200 INDUCTION 0 20 **RESISTIVITY** ohms - m²/m	6 FF40 INDUCTION 2000 0 5 cm **CONDUCTIVITY** millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

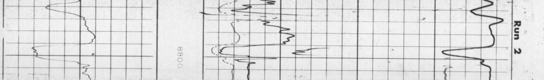
COMPANY ESSO AUSTRALIA LTD

WELL POONBOON 1

FIELD WILDCAT

COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32
DF 31
GL -259



OR_342

349063

ENCLOSURE 13b

Schlumberger

ISF / SONIC

COUNTY	AUSTRALIA
FIELD or LOCATION	WILDCAT
WELL	POONBOON 1
COMPANY	ESSO AUSTRALIA

COMPANY	ESSO AUSTRALIA LIMITED
WELL	POONBOON 1
FIELD	WILDCAT
COUNTY	AUSTRALIA
STATE	TASMANIA
LOCATION	LAT. 40° 08'S LONG. 145° 55'E
Other Services:	FDC/CNL/GR HDT CIS ST
Sec.	
Twp.	
Rge.	

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	12 SEP'72			
Run No.	1 5"			
Depth—Driller	8827			
Depth—Logger	8831			
Btm. Log Interval	8806			
Top Log Interval	3028			
Casing—Driller	13 3/8 @ 3032	@	@	@
Casing—Logger	3028			
Bit Size	12¼"			
Type Fluid in Hole	LIGNOSULPHONATE			
Dens. | Visc.	10.2 | 43			
pH | Fluid Loss	10.5 | 5 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	1.04 @ 72 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	0.50 @ 72 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.26 @ 72 °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc	PRESS | PRESS			
Rm @ BHT	0.37 @ 195 °F	@ °F	@ °F	@ °F
Time Since Circ.	8 HOURS			
Max. Rec. Temp.	195 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	CHAFFE			
Witnessed By	MEBBERSON			

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

Date						
Run No.						
Depth—Driller						
Depth—Logger						
Btm. Log Interval						
Top Log Interval						
Casing—Driller	@	@	@	@	@	@
Casing—Logger						
Bit Size						
Type Fluid in Hole						
Dens. | Visc.						
pH | Fluid Loss	ml	ml	ml	ml	ml	ml
Source of Sample						
Rm @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf | Rmc						
Rm @ BHT	@ °F	@ °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.						
Max. Rec. Temp.	°F	°F	°F	°F	°F	°F
Equip. | Location						
Recorded By						
Witnessed By						

Changes in Mud Type or Additional Samples

			Type Log	Depth	Scale Changes: Scale Up Hole	Scale Down Hole
Date | Sample No.						
Depth—Driller						
Type Fluid in Hole						
Dens. | Visc.						
ph | Fluid Loss	ml					
Source of Sample						
Rm @ Meas. Temp.	@ °F	@ °F				
Rmf @ Meas. Temp.	@ °F	@ °F				
Rmc @ Meas. Temp.	@ °F	@ °F				
Source: Rmf | Rmc						
Rm @ BHT	@ °F	@ °F				
Rm @ BHT	@ °F	@ °F				
Rm @ BHT	@ °F	@ °F				

Run No.	1	2"
Ind. Panel No.	IRPS	48
Mem. Panel No.	ILPA	53
Ind. Cart. No.	IRCJ	60
Ind. Sonde No.	IRSS	27
Sonic Panel No.		
Oscil. Panel No.	SLCDG	32
Sonic Cart. No.	SLSKB	93
Sonic Sonde No.		
G.R. Cart. No.		
G.R. Panel No.		
Caliper No.		
TTR No.		
S.E.		
SBR	1	
Cent. Device		
Stand off-Inches	1.5"	
Time Const.-Sec.		
Speed-F.P.M.	70	

REMARKS: RERAN SONIC REPEAT SECTION (UP HOLE 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.

Service Order No.-

API Serial No.-

Check one, filling in blanks where applicable:

☒ Surface determined sonde errors used for 6FF40.

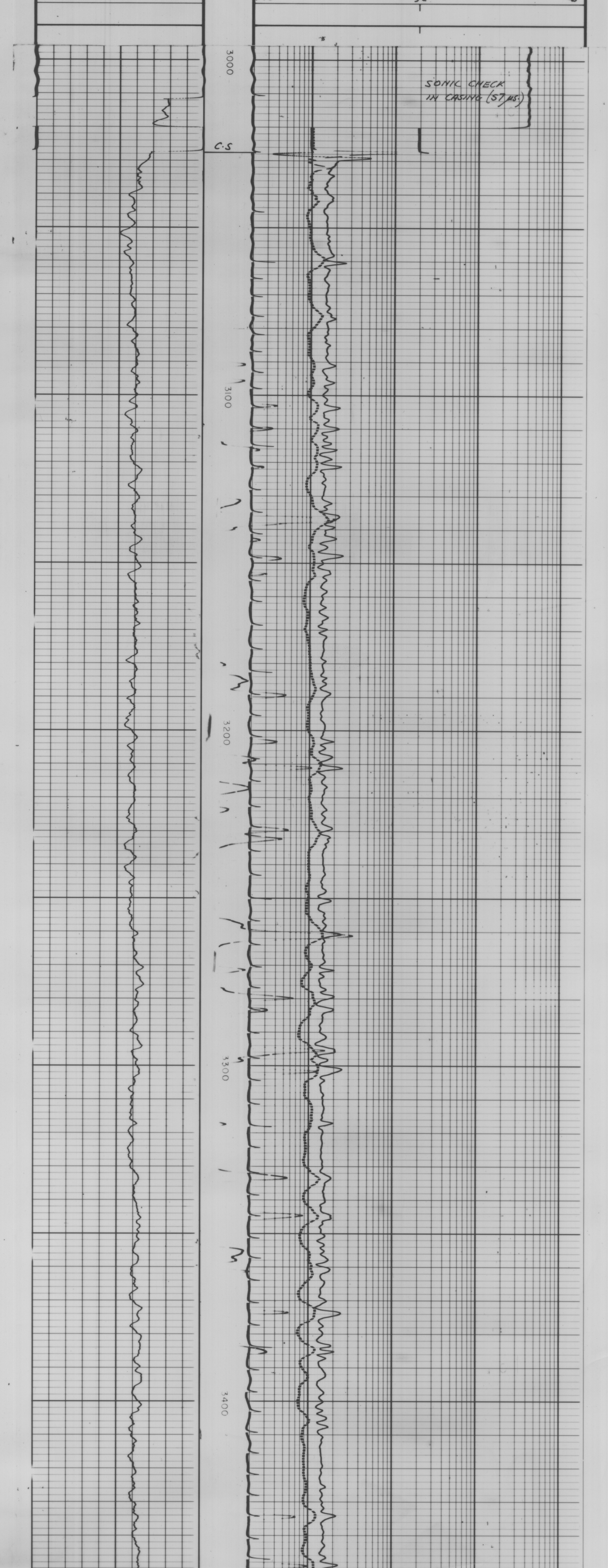
☐ 6FF40 sonde error corrected for inch borehole signal at Rm

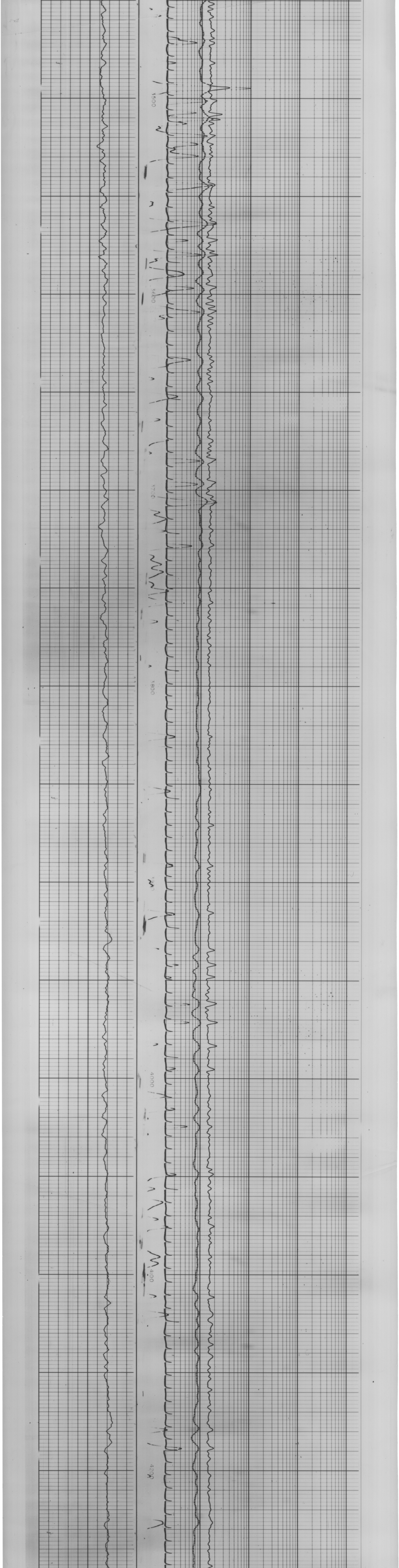
☐ 6FF40 zero set in hole at depth of feet.

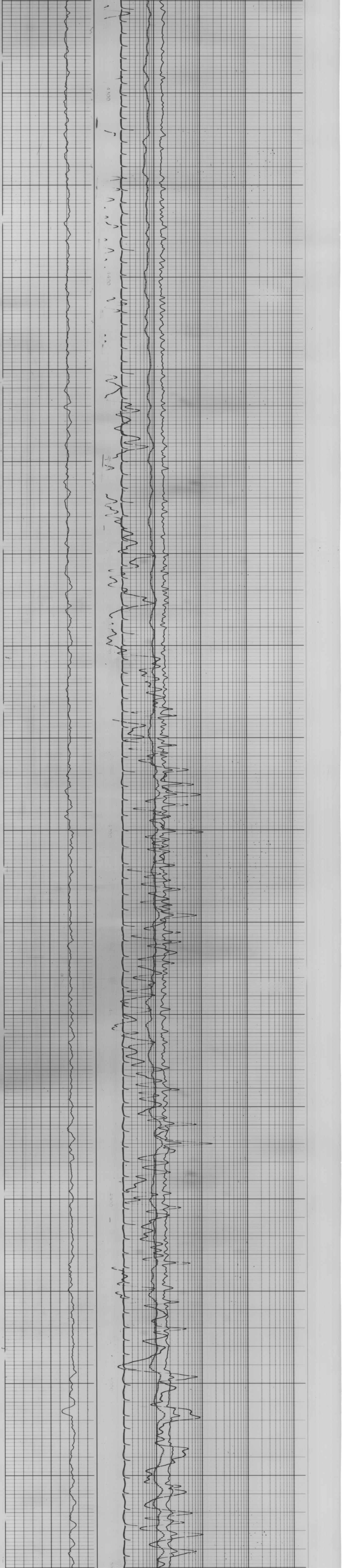
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms – m²/m
10 – |↔| +	5"	SFL 0.2 1.0 10 100 1000 2000 6 FF40 INDUCTION 0.2 1.0 10 100 1000 2000

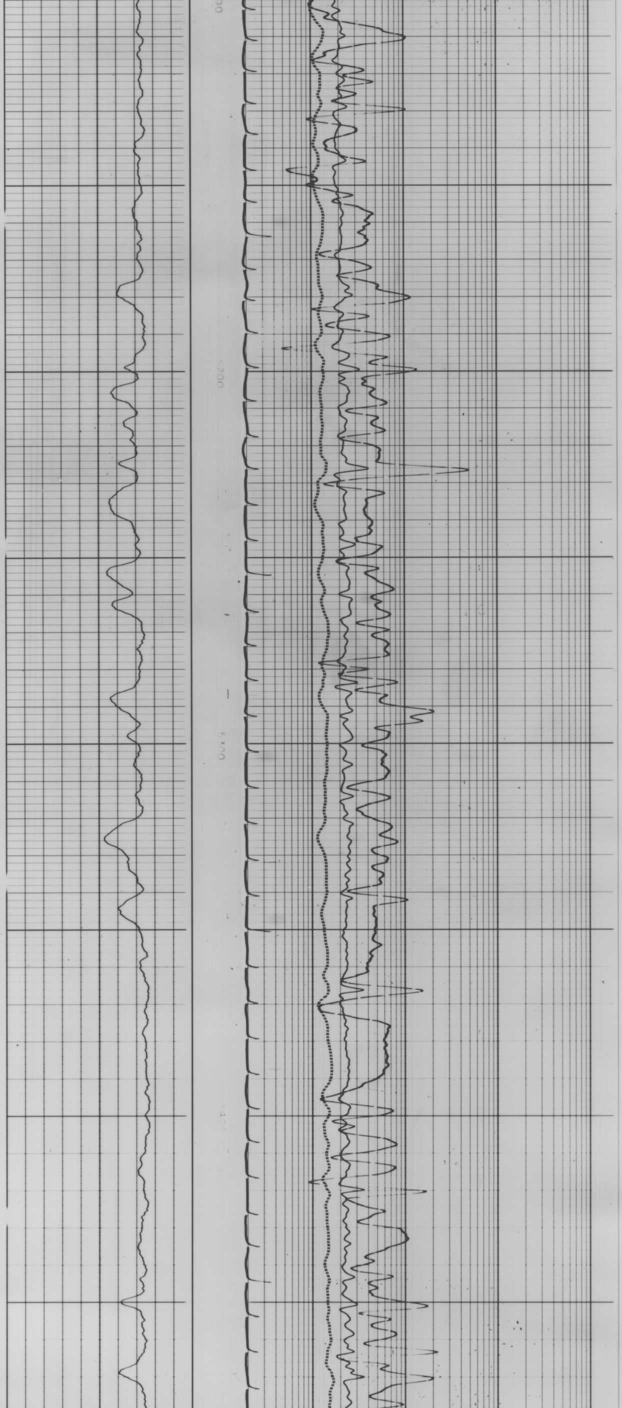
5 cm

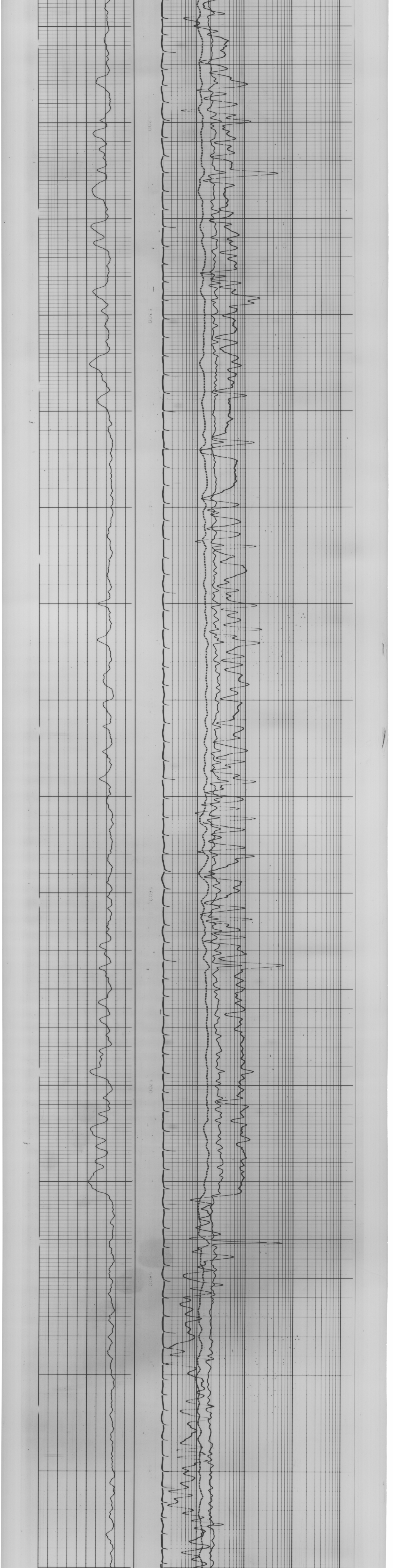
	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
		T 3 R₁ 2 R₂ 140 90 40

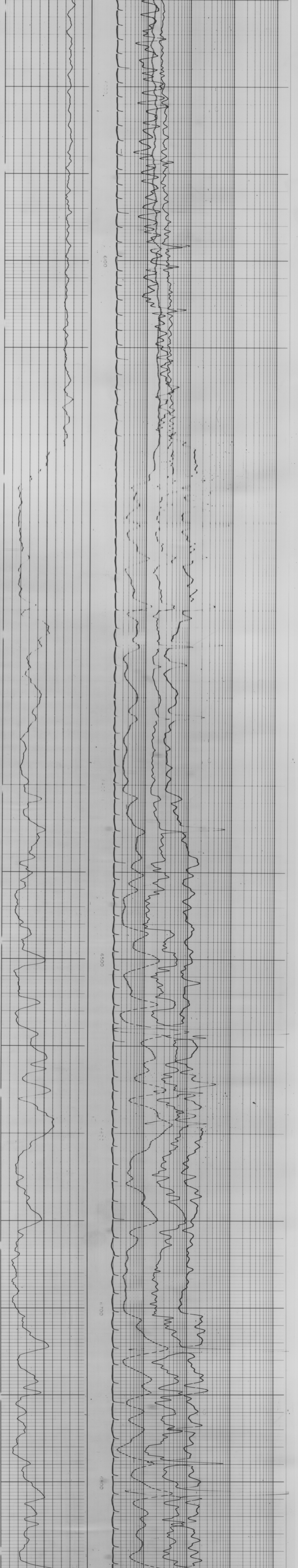


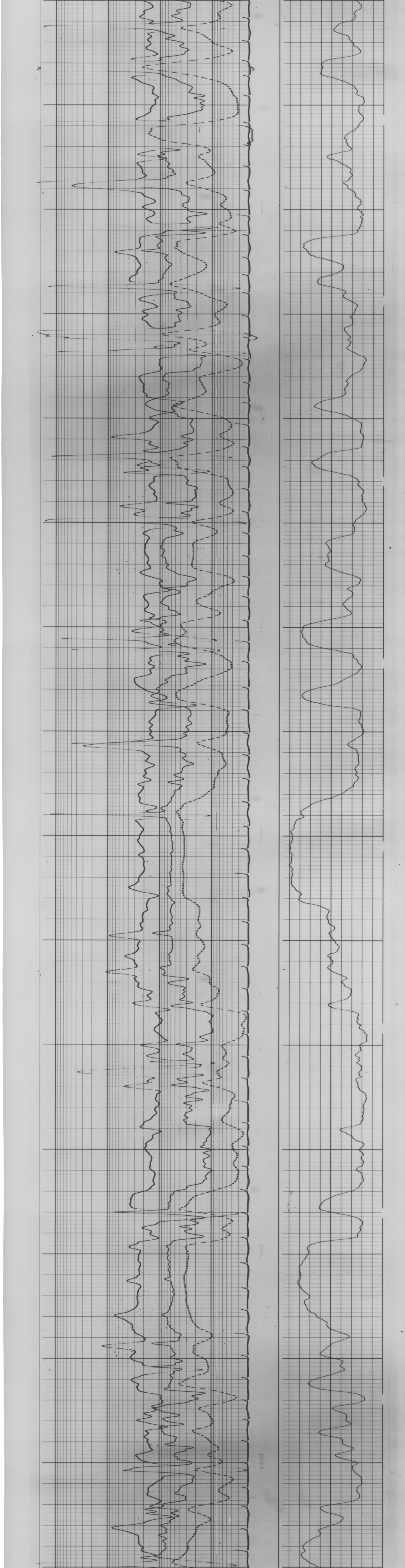


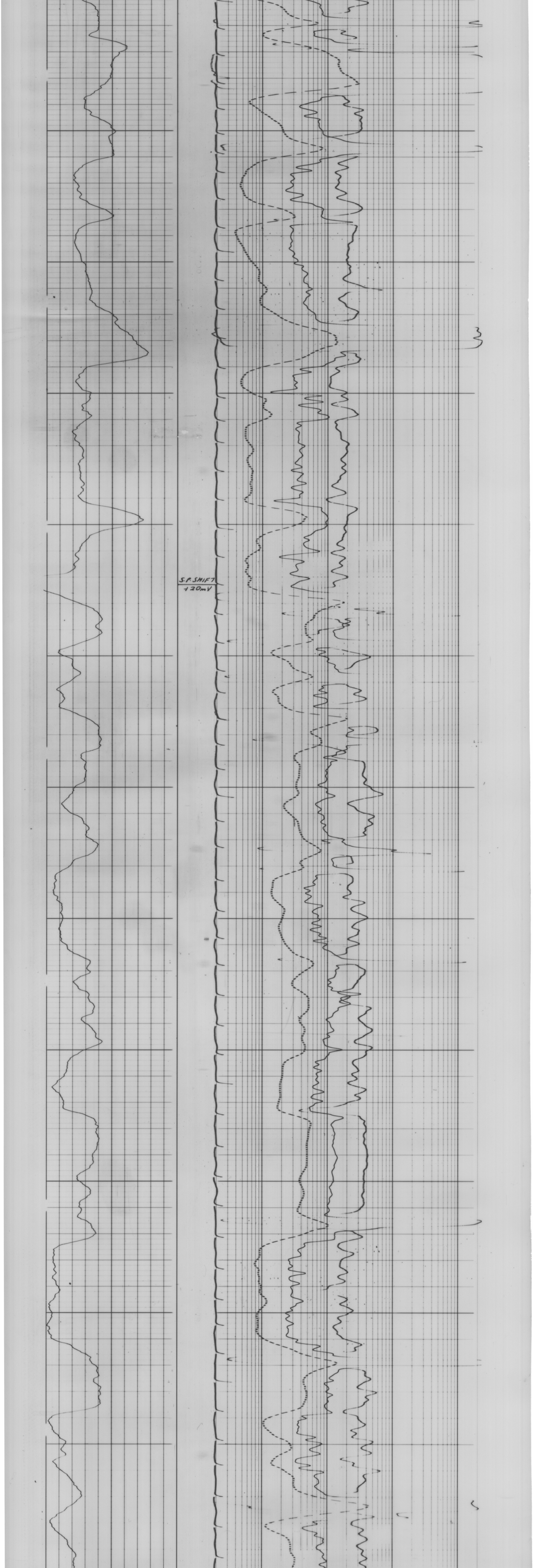


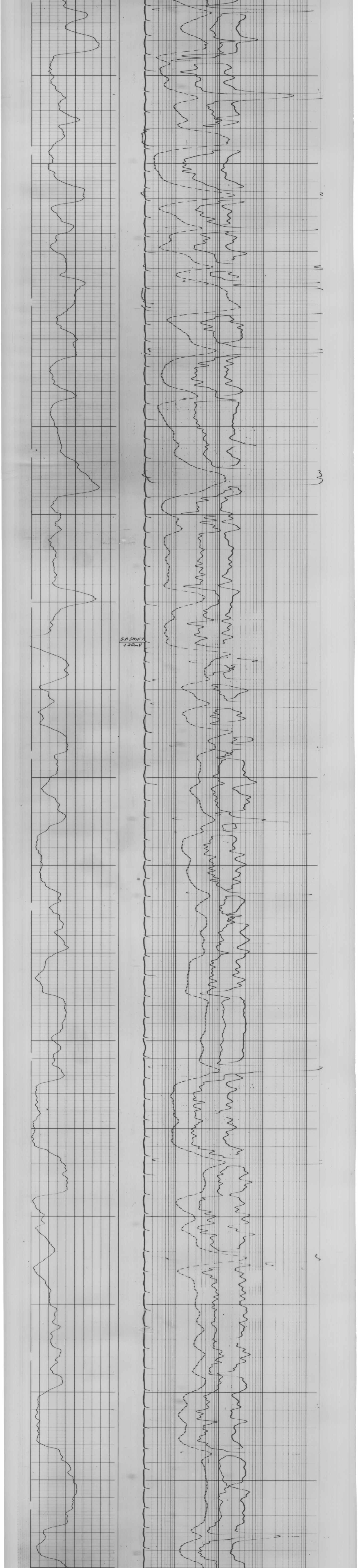


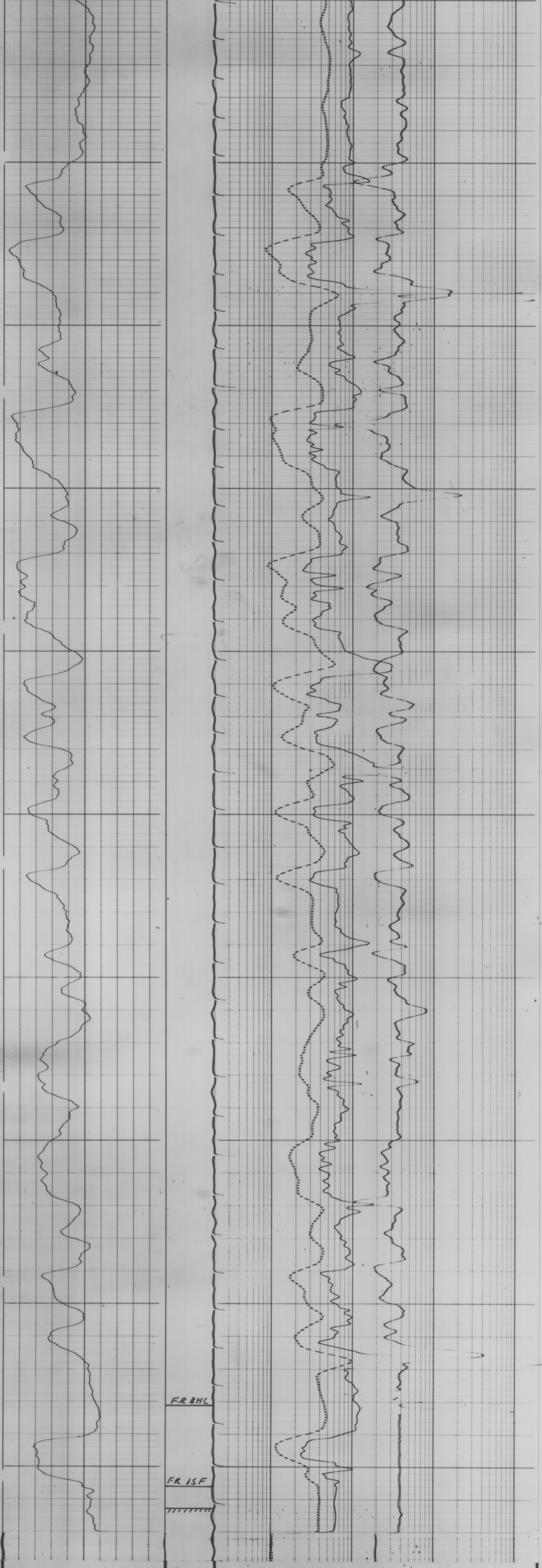

5200
5300
5600
5700
5800


6100
6500
6700
6800


7000
6900


S.P. SHIFT
+20mV





T3 R1 2 R2

140 90 40

DEPTHS

INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

SFL
0.2 1.0 10 100 1000 2000

6 FF40
INDUCTION
0.2 1.0 10 100 1000 2000

10
– |↔| +

5"

SPONTANEOUS-POTENTIAL
millivolts

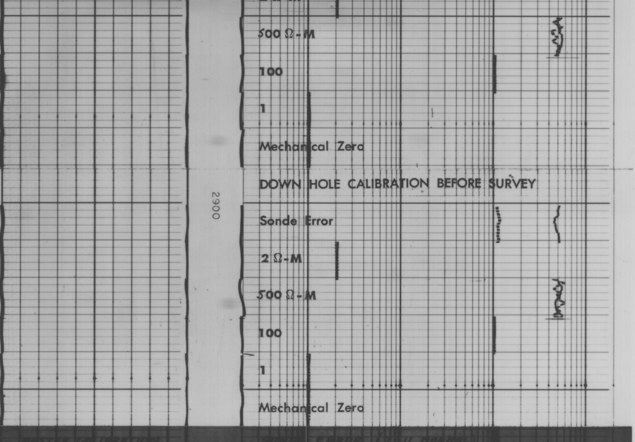
DEPTHS

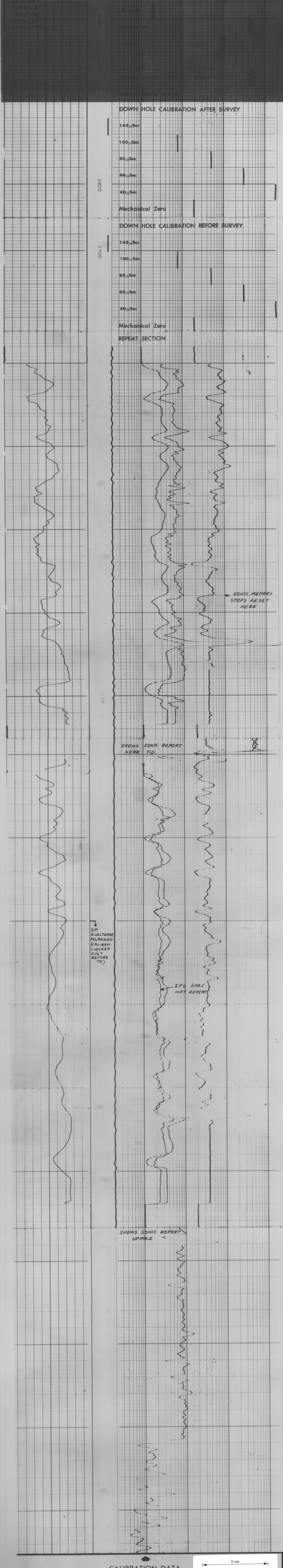
RESISTIVITY
ohms - m^2/m

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 8806
SCHL. TD 8831
DRLR TD 8827
Elev:
KB 32'
DF 31'
Gℓ 259'

CALIBRATION DATA





SONIC MEMORY
STEPS RESET
HERE

SHOWS SONIC REPEAT
NEAR T-D.

S-P.
ELECTRODE
POLARISED
(CALIBRN.
CHECKED
JUST
BEFORE
TD)

SFL DOES
NOT REPEAT

SHOWS SONIC REPEAT
UPHOLE <

CALIBRATION DATA

5 cm

OMPANY	ESSO AUSTRALIA LIMITED
VELL	POONBOON 1
IELD	WILDCAT
OUNTY	AUSTRALIA
STATE	TASMANIA

SCHL. FR 8806
SCHL. TD 8831'
DRLR TD 8827
Elev:
KB 32'
DF 31'
GL-259'

349064 **OFFSHORE** BHP 13 OR-342

ENCLOSURE 13c

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

FIELD PRINT

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			

FOLD HERE

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

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

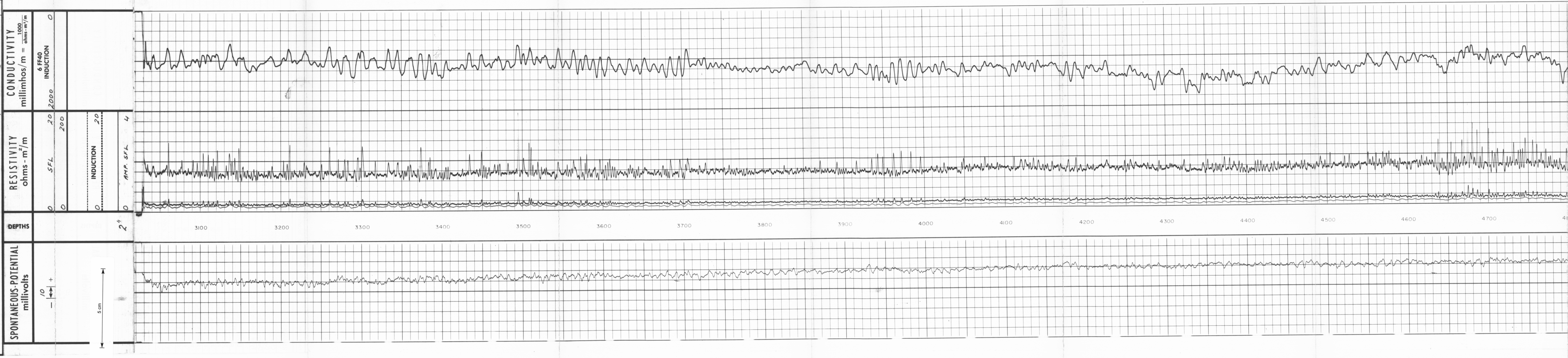
Equipment Data

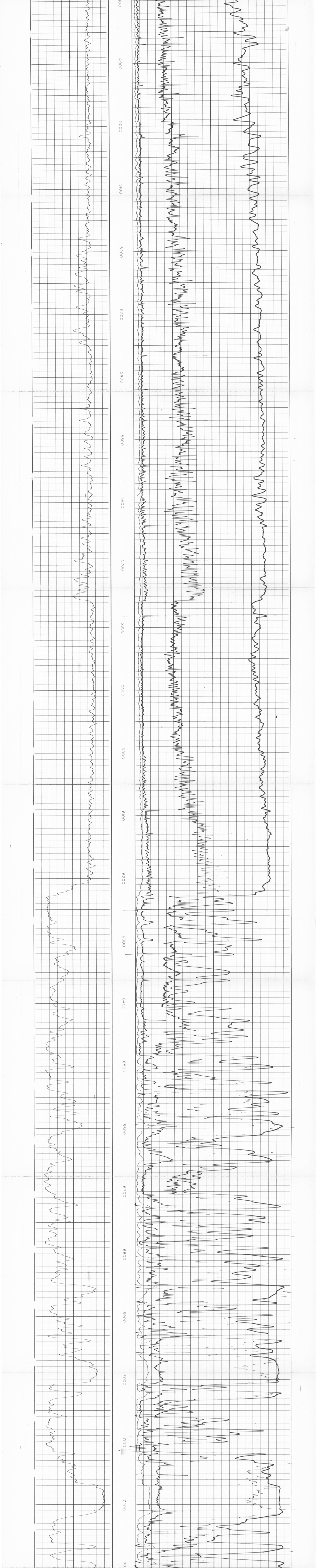
Run No.	Tool Type	Pad Type	Tool Pos.	Other
1	IRT / SLT		ECCEN.	

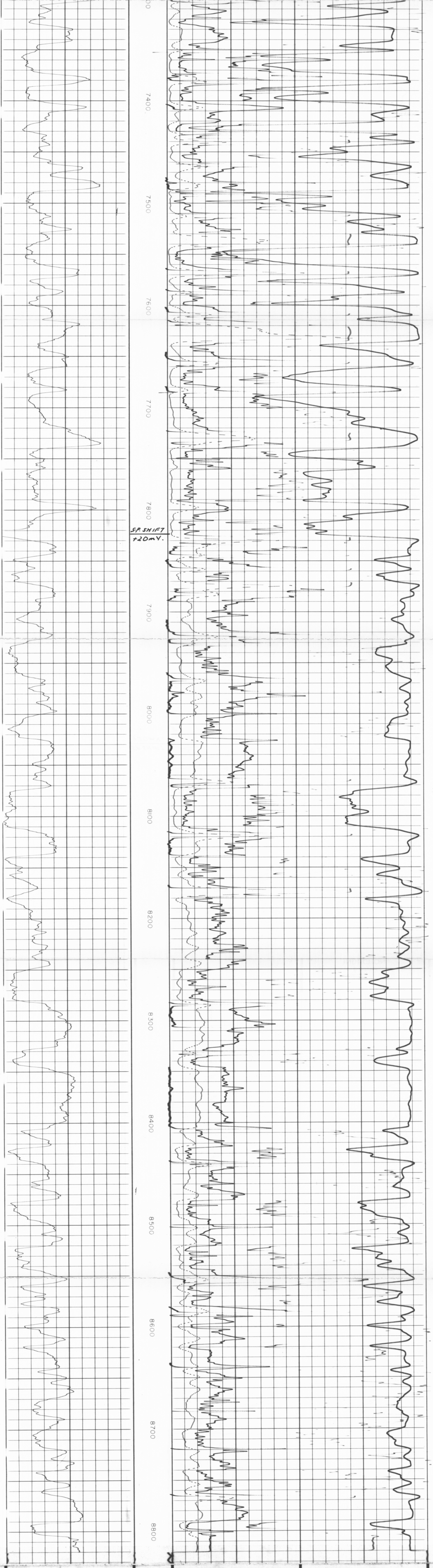
SBR = 1
SURFACE DETERMINED SONDE ERROR USED.
STANDOFF PADS USED WITH SLT. 1 1/2 S.O. WITH IRT.

SLP-JG 84 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.







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

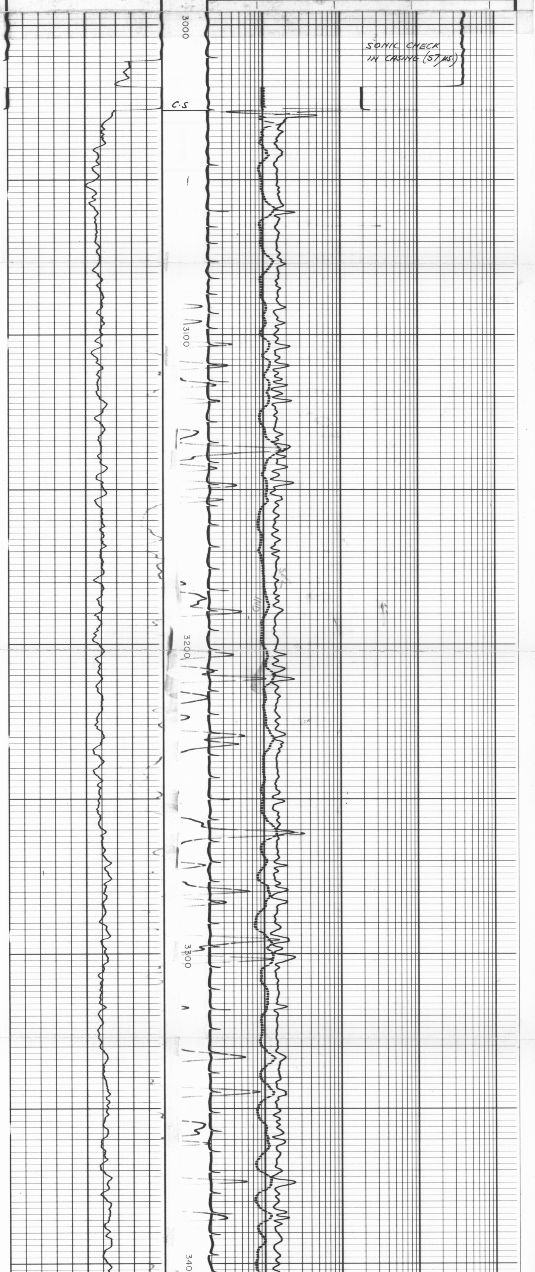
COMPANY ESSO AUSTRALIA LTD.
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

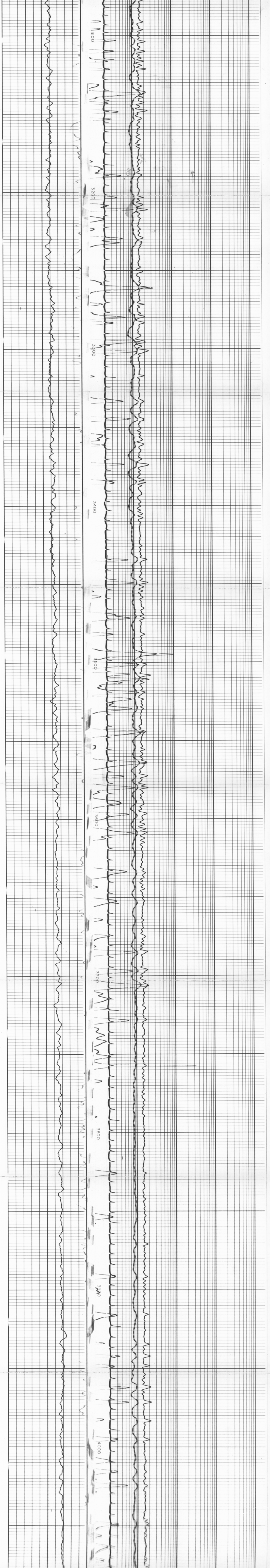
SCHL. FR 8806
SCHL. TD 8813
DRLR TD 8827
Elev:
KB 32
DF 31
GL -259

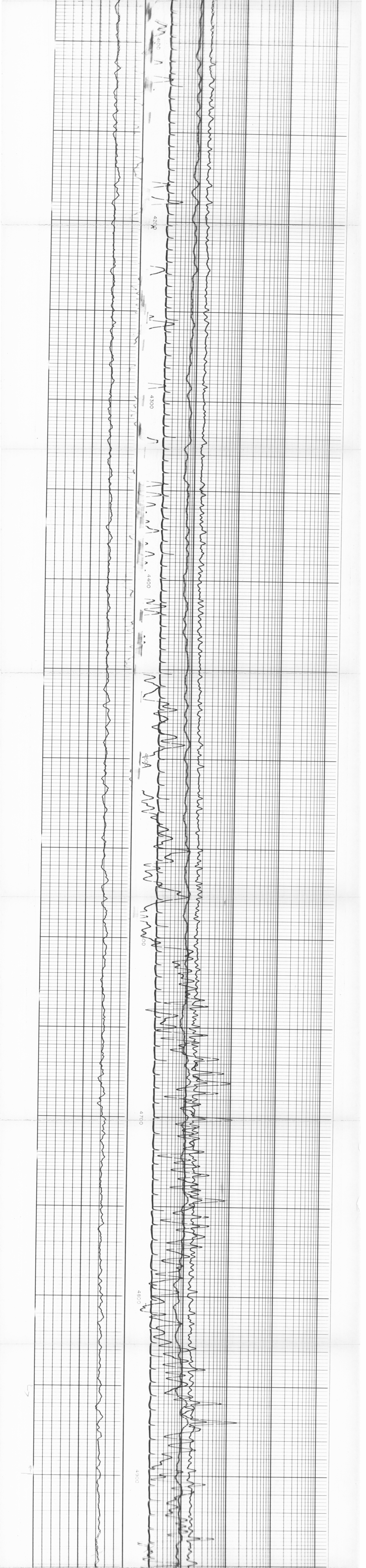
DETAIL LOG

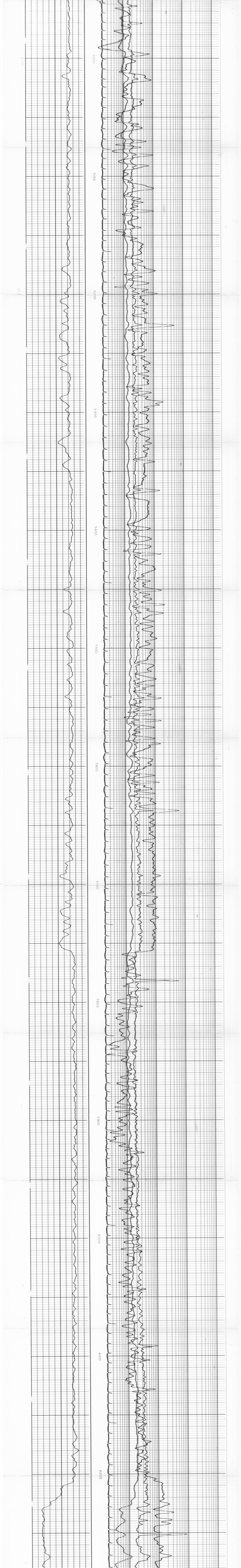
5″ = 100′

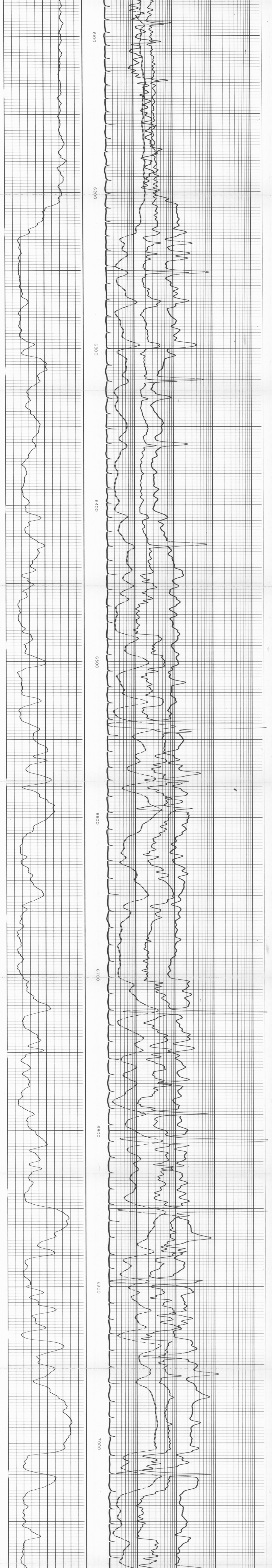
SPONTANEOUS-POTENTIAL MILLIVOLTS	**DEPTHS**	**INTERVAL TRANSIT TIME** MICROSECONDS PER FOOT
10 − ↔ +		T 3 R₁ 2 R₂ 140 90 40
	5″	**RESISTIVITY** ohms – m²/m SFL 0,2 1.0 10 100 1000 2000 6FF40 INDUCTION 0,2 1.0 10 100 1000 2000

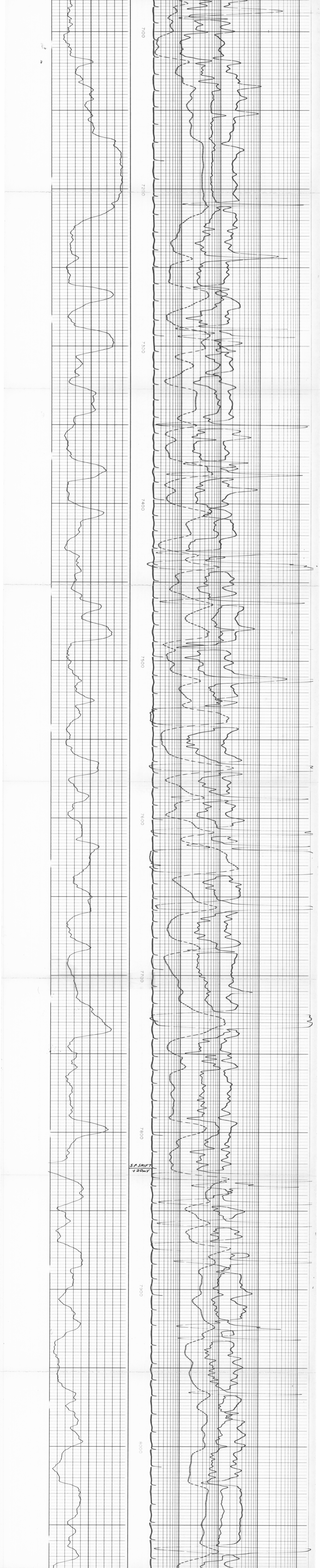


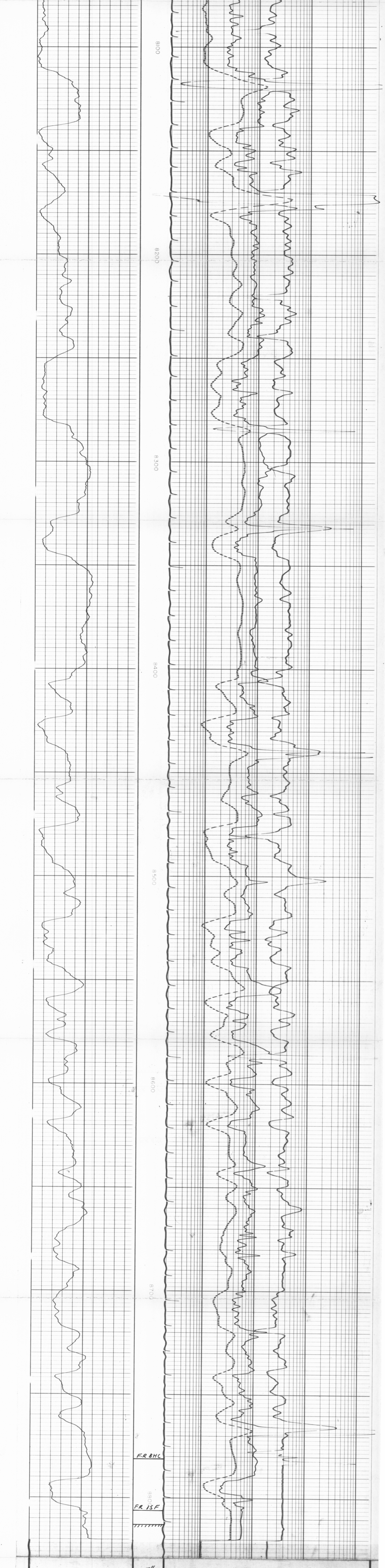

3100
3200
3300
3400
3500
3600
3700
3800
3900
4000


4100
4200
4300
4400
4500
4600
4700
4800
4900


5000
5100
5200
5300
5400
5500
5600
5700
5800
5900
6000
6100
6200







5"

0,2	1.0	10	100	1000	2000

6FF40
INDUCTION

0,2	1.0	10	100	1000	2000

SFL

RESISTIVITY
ohms – m²/m

T 3 R₁ 2 R₂

140	90	40

10
– ⟷ +

SPONTANEOUS-POTENTIAL
MILLIVOLTS

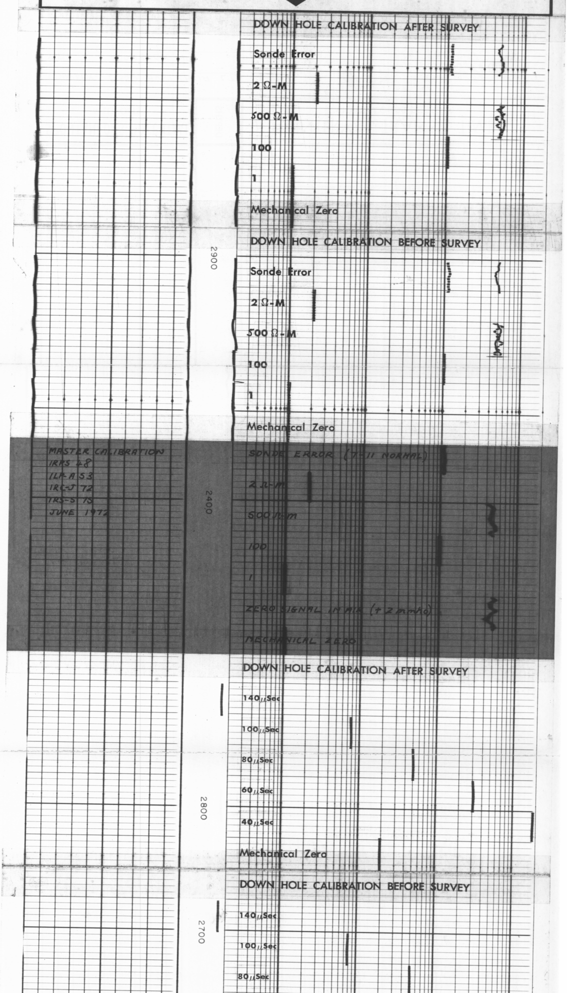
DEPTHS

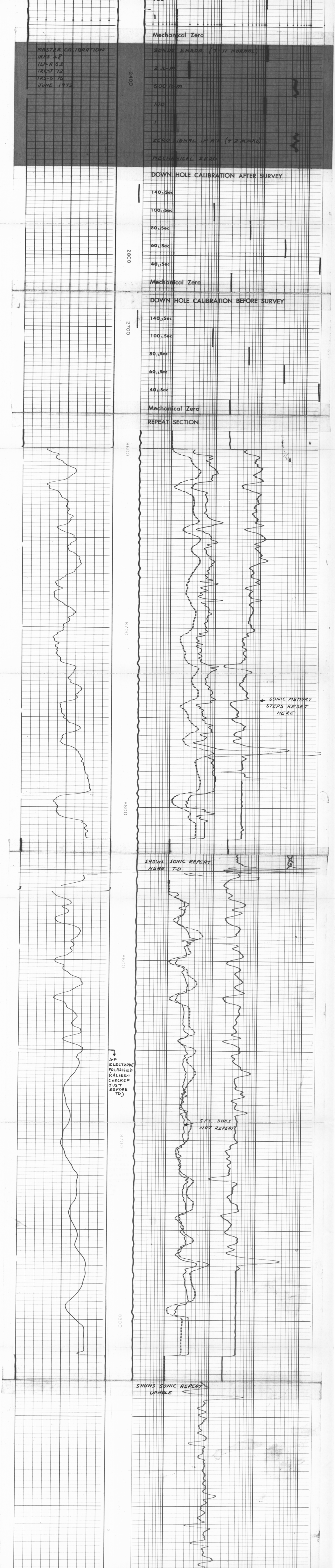
INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

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

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

CALIBRATION DATA





CALIBRATION DATA

5 cm

COMPANY ESSO AUSTRALIA LTD.
WELL POON BOON
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

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

349065

OR-342

OFFSHORE 13

ENCLOSURE 13d

Schlumberger

ISF / SONIC

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

COMPANY ESSO AUSTRALIA LIMITED

WELL POONBOON 1

FIELD WILDCAT

COUNTY AUSTRALIA STATE TASMANIA

LOCATION LAT: 40° 08'S LONG: 145° 55'E

Other Services: SNP ST

Sec. Twp. Rge.

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	30 SEPT' 72		
Run No.	2 5"		
Depth—Driller	10720		
Depth—Logger	10715		
Btm. Log Interval	10708		
Top Log Interval	8759		
Casing—Driller	95/8 @ 8761	@	@
Casing—Logger	8759		
Bit Size	8½		
Type Fluid in Hole	LIGNOSULPHONATE		
Dens. | Visc.	17.2 | 46		
pH | Fluid Loss	9.8 | 5.6ml	ml	ml
Source of Sample	FLOWLINE		
Rm @ Meas. Temp.	.868 @ 89 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.482 @ 72 °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.22 @ 72 °F	@ °F	@ °F
Source: Rmf | Rmc	PRESS | PRESS		
Rm @ BHT	0.35 @ 218 °F	@ °F	@ °F
Time Since Circ.	7 HOURS		
Max. Rec. Temp.	218 °F	°F	°F
Equip. | Location	2080 | SAL		
Recorded By	CHAFFE		
Witnessed By	BLACK		

Changes in Mud Type or Additional Samples **NONE**

					Scale Changes		
Date	Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth—Driller							
Type Fluid in Hole							
Dens. | Visc.							
ph | Fluid Loss		ml					
Source of Sample							
Rm @ Meas. Temp.	@	°F	@ °F				
Rmf @ Meas. Temp.	@	°F	@ °F				
Rmc @ Meas. Temp.	@	°F	@ °F				
Source: Rmf | Rmc							
Rm @ BHT	@	°F	@ °F				
Rm @ BHT	@	°F	@ °F				
Rm @ BHT	@	°F	@ °F				

Run No.	TWO			
Ind. Panel No.	IRP-S 48			
Mem. Panel No.	ILP-A 53			
Ind. Cart. No.	IRC-J 60			
Ind. Sonde No.	IRS-S 27			
Sonic Panel No.	SLP-JG 34			
Oscil. Panel No.	SLO-B 599			
Sonic Cart. No.	SLC-DG 32			
Sonic Sonde No.	SLS-KB 93			
G.R. Cart. No.				
G.R. Panel No.				
Caliper No.				
TTR No.				
S.E.				
SBR	1			
Cent. Device				
Stand off-Inches	1½			
Time Const.-Sec.				
Speed-F.P.M.	45			

REMARKS:

Service Order No.-

API Serial No.-

Check one, filling in blanks where applicable:

☒ Surface determined sonde errors used for 6FF40.

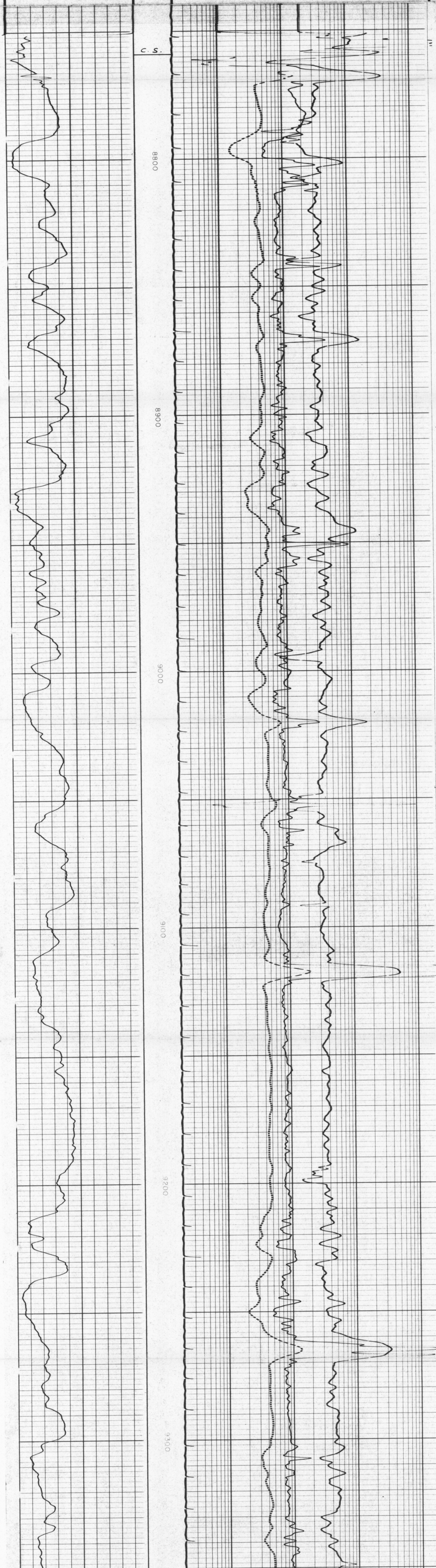
☐ 6FF40 sonde error corrected for inch borehole signal at Rm

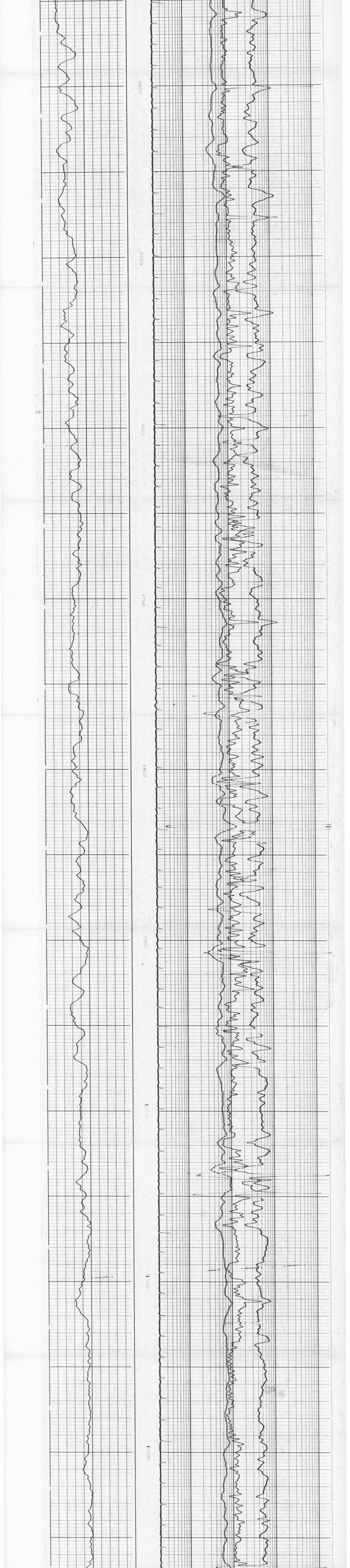
☐ 6FF40 zero set in hole at depth of feet.

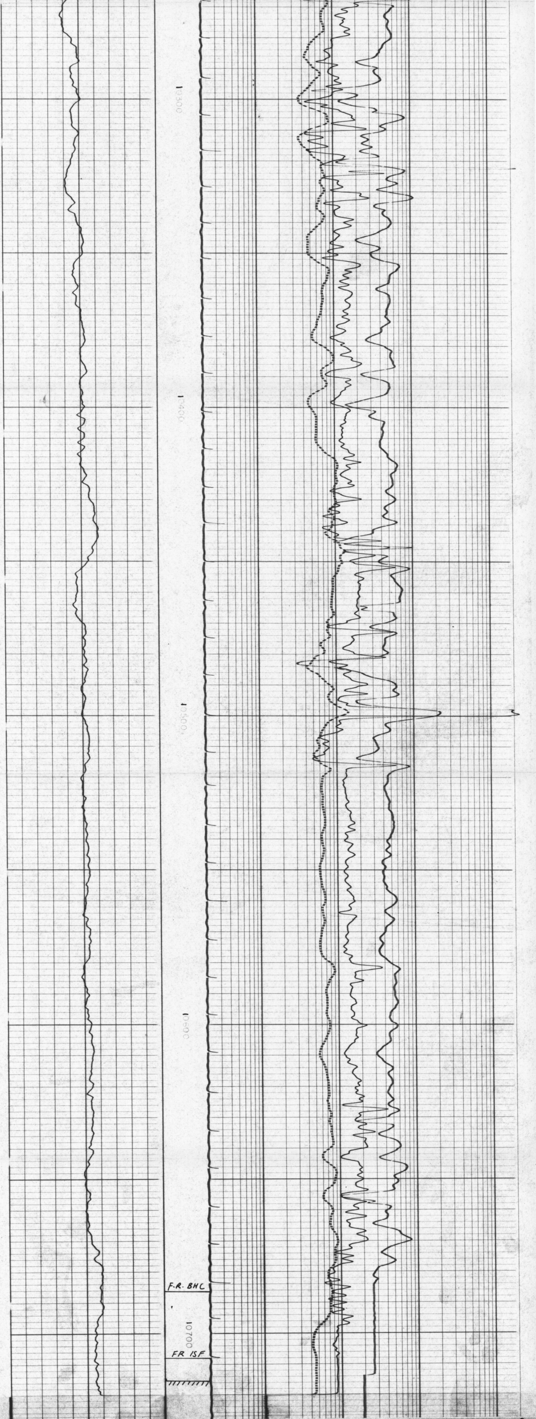
	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{ohms - m^2/m}$
		0 SPHER. FOCUSED 20	6 FF40 INDUCTION 2000 0
		0 200	
		INDUCTION 0 20	
		0 4	
		AMP. SPH. FOC.	

5 cm

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
10 – ↔ +		T 3 R₁ 2 R₂ 140 90 40







0 AMP. SPH. FOC. 4
0 SPHER. FOCUSED 20
0 200
INDUCTION
0 20

6 FF40
INDUCTION
2000 0

− |10| +

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms − m²/m

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms} - \text{m}^2/\text{m}}$

T 3 R₁ 2 R₂
140 90 40

− |↔| +

SPONTANEOUS-POTENTIAL
MILLIVOLTS

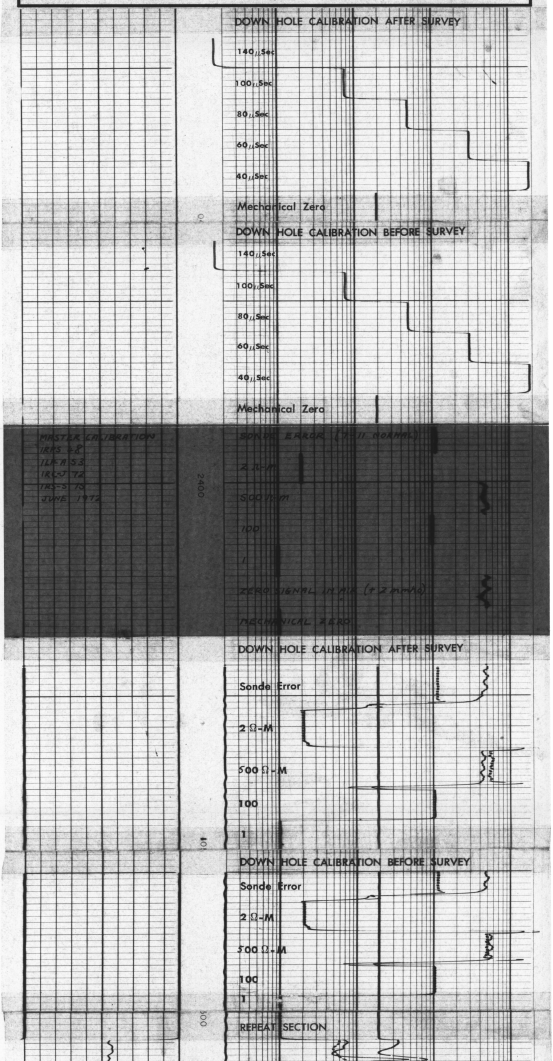
DEPTHS

INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

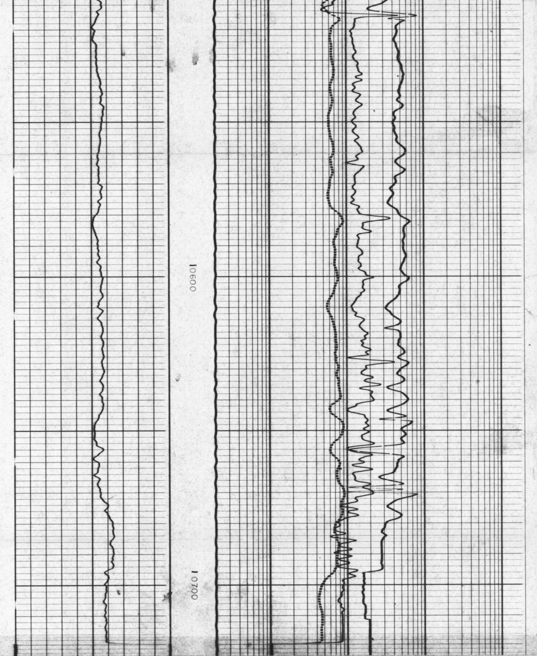
SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32'
DF 31'
GL -259'

CALIBRATION DATA



MASTER CALIBRATION
IRRS 48
ILF-A 53
IRC-J 72
IRS-S 15
JUNE 1972

REPEAT SECTION



CALIBRATION DATA

5 cm

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32'
DF 31'
GL -259'

349066

ENCLOSURE 13e

OFFSHORE 13 OR-342

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
LOCATION LAT: 40° 08' S LONG: 145° 55' E
Other Services: SNP, ST.
Sec. Twp. Rge.

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 30 '72			
Run No.	2, 5", 2"			
Depth—Driller	10,720			
Depth—Logger	10,715			
Btm. Log Interval	10,708			
Top Log Interval	8,759			
Casing—Driller	9 5/8 @ 8761	@	@	@
Casing—Logger	8759			
Bit Size	8 1/2			
Type Fluid in Hole	LIGNOSULPHONATE			
Dens. | Visc.	12.2 | 46			
pH | Fluid Loss	9.8 | 5.6 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	0.868 @ 89 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	0.482 @ 72 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.22 @ 72 °F	@ °F	@ °F	@ °F
Source: Rmf Rmc	PRESS			
Rm @ BHT	0.35 @ 218 °F	@ °F	@ °F	@ °F
Time Since Circ.	7 HRS			
Max. Rec. Temp.	218 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	CHAFFE			
Witnessed By	BLACK			

FIELD PRINT

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

REMARKS

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		
Rm @ Meas. Temp.	@ °F	@ °F
Rmf @ Meas. Temp.	@ °F	@ °F
Rmc @ Meas. Temp.	@ °F	@ °F
Source: Rmf | Rmc		
Rm @ BHT	@ °F	@ °F
Rmf @ BHT	@ °F	@ °F
Rmc @ BHT	@ °F	@ °F

Scale Changes

Type Log	Depth	Scale Up Hole	Scale Down Hole

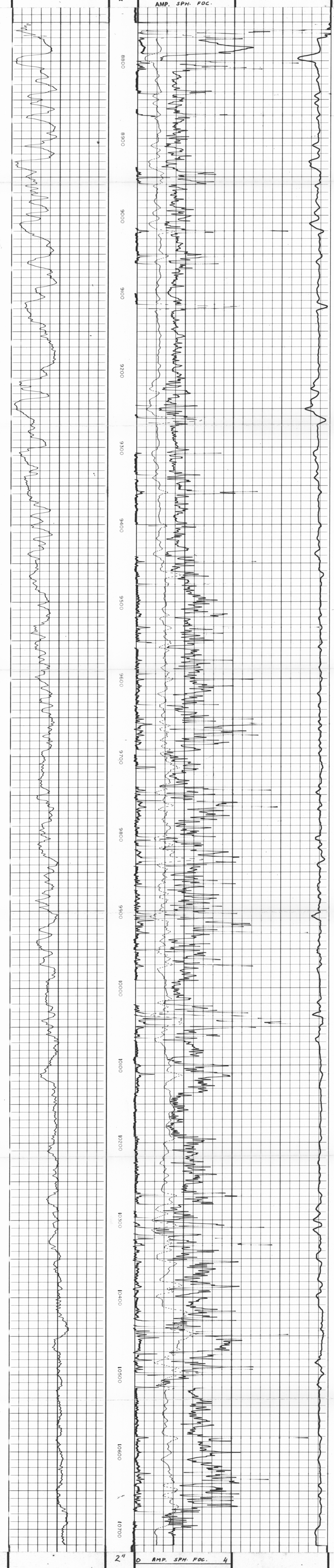
Equipment Data

Run No.	Tool Type	Pad Type	Tool Pos.	Other
	IRT / SCT		ECCEN.	

SURFACE DETERMINED SONDE ERROR USED
SBR = 1
1 1/2" S/O ON ISF STAND OFF PADS ON BHC.

ILP-A 53	SLP-JG 34
IRP-S 48	SLC-DG 32
IRC-J 60	SLS-KB 93
IRS-S 27	SLH-C 93
MIH-W 60	SLO-B 599

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = 1000 / ohms - m²/m
10 — +		0 SPHER. FOCUSED. 20 0 200	2000 6 FF40 INDUCTION 0
		0 INDUCTION 20 0 4	
5 cm	2"	AMP. SPH. FOC.	



10 – |↔| +		0 SPHER. FOCUSED. 20 0 200 INDUCTION 0 20	2000 6 FF40 INDUCTION 0
SPONTANEOUS-POTENTIAL millivolts	**DEPTHS**	**RESISTIVITY** ohms-m²/m	**CONDUCTIVITY** millimhos/m = $\frac{1000}{\text{ohms-m}^2/\text{m}}$

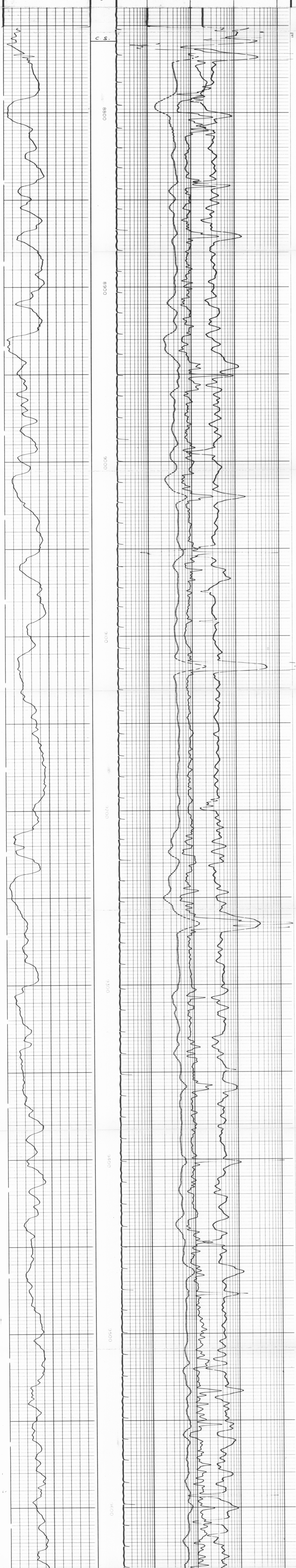
COMPANY ESSO AUSTRALIA LTD
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE

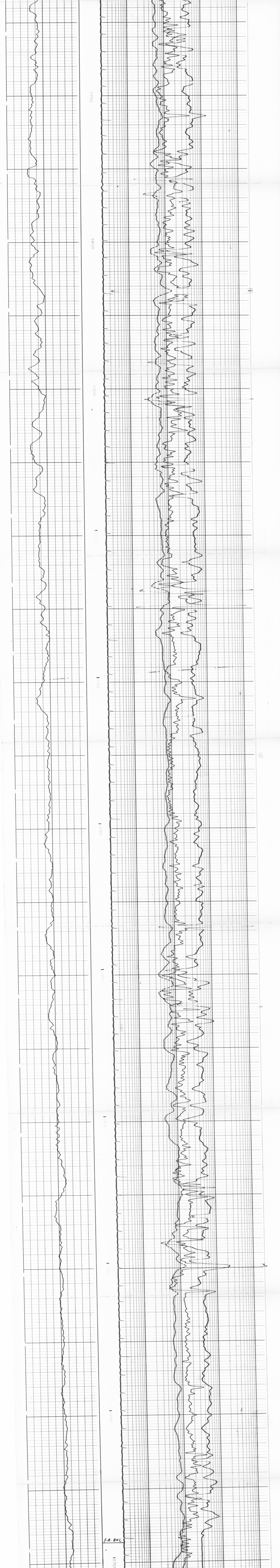
SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32
DF 31
GL -259

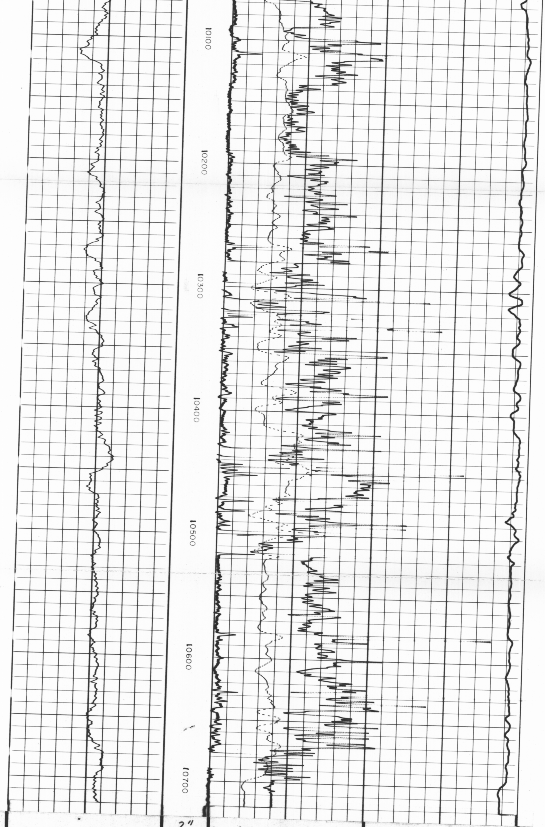
DETAIL LOG

5" = 100'

SPONTANEOUS-POTENTIAL MILLIVOLTS	**DEPTHS**	**INTERVAL TRANSIT TIME** MICROSECONDS PER FOOT
10 – |↔| +		T 3 R_1 2 R_2 140 90 40 INDUCTION- SPHERICALLY FOCUSED RESISTIVITY
	5"	0.2 1 10 100 1000







10 – |↔| +	2"	0 AMP. SPH. FOC. 4 0 SPHER. FOCUSED. 20 0 200 INDUCTION 0 20	2000 6 FF40 INDUCTION 0
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

COMPANY ESSO AUSTRALIA LTD

WELL POONBOON 1.

FIELD WILDCAT

COUNTY AUSTRALIA STATE

SCHL. FR 10708

SCHL. TD 10715

DRLR TD 10720

Elev:

KB 32

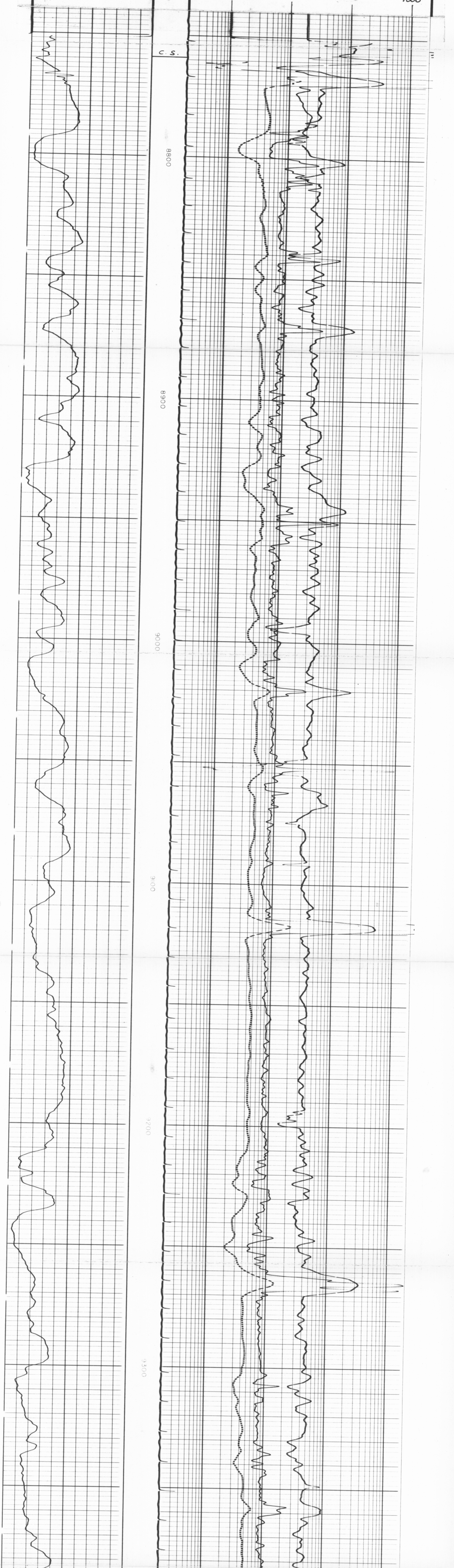
DF 31

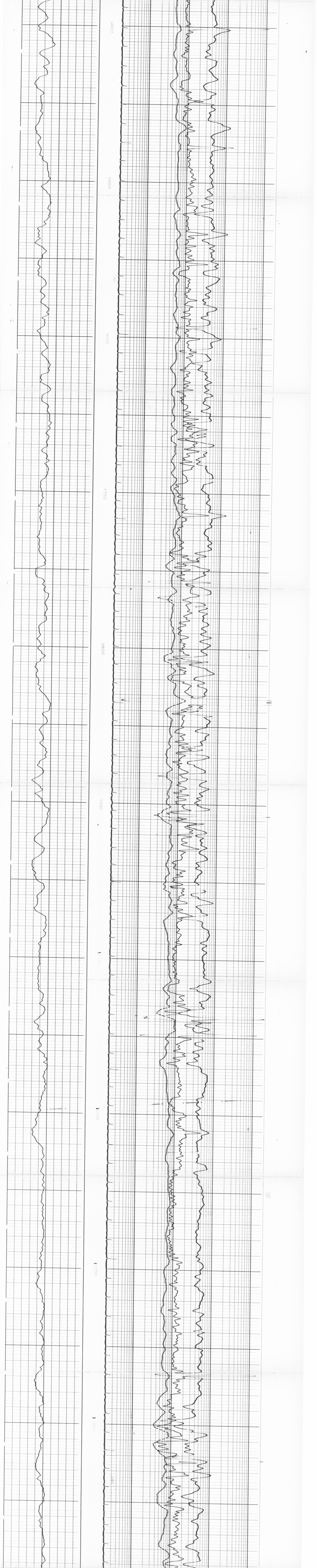
GL -259

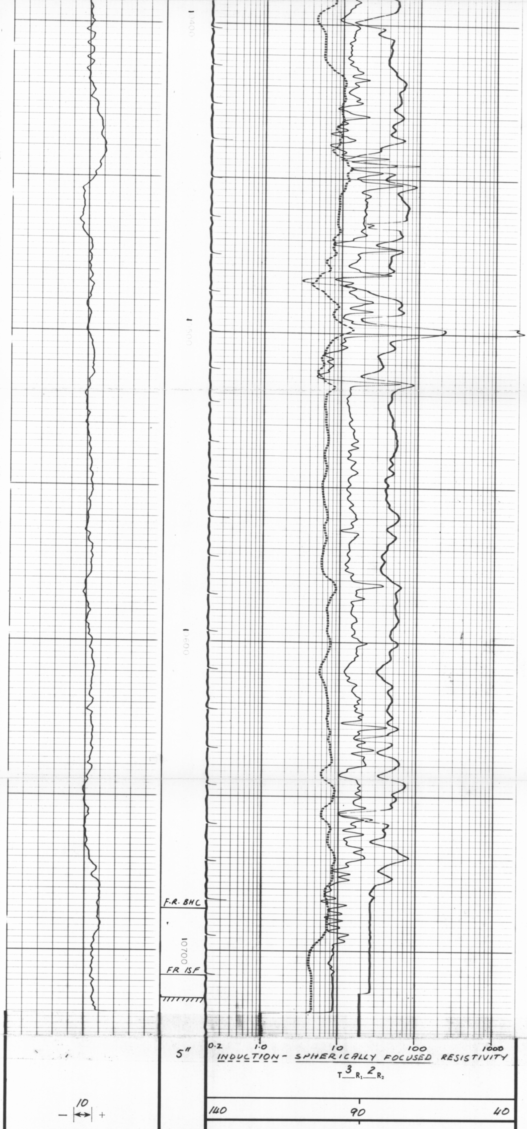
DETAIL LOG

5" = 100'

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
10 – |↔| +	5"	T 3 R₁ 2 R₂ 140 90 40 INDUCTION- SPHERICALLY FOCUSED RESISTIVITY 0.2 1 10 100 1000







SPONTANEOUS-POTENTIAL
MILLIVOLTS

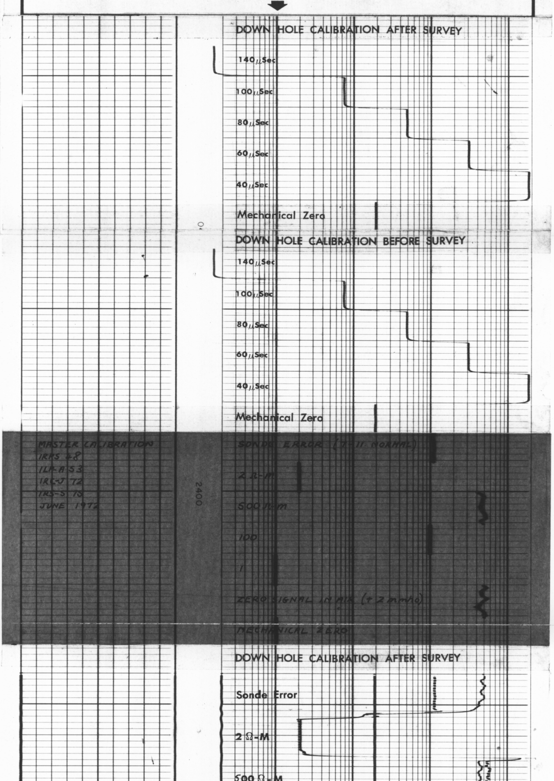
DEPTHS

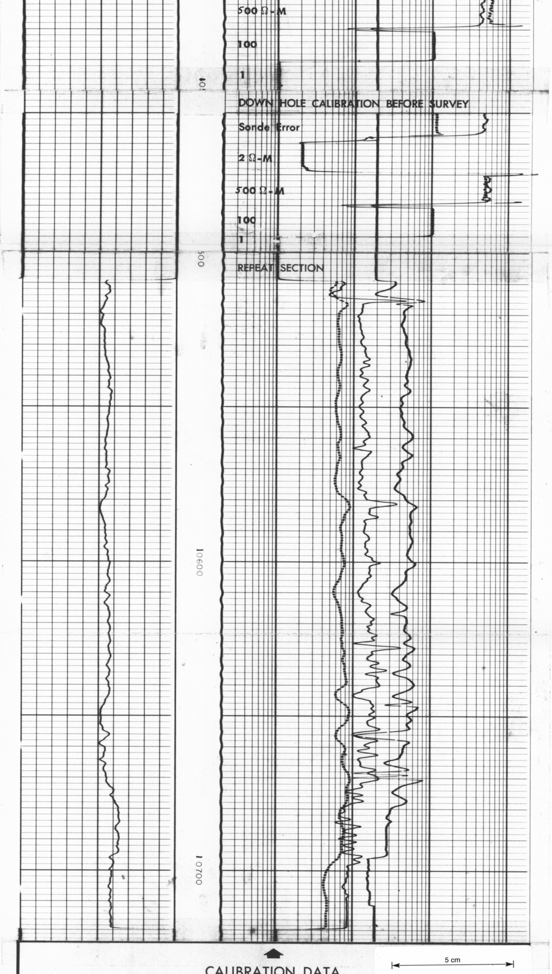
INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

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

SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA





CALIBRATION DATA

5 cm

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

SCHL. FR 10708
SCHL. TD 10715
DRLR TD 10720
Elev:
KB 32
DF 31
GL -259

ENCLOSURE 149 349667

OR 342

OFFSHORE 13

SCHLUMBERGER INDUCTION-ELECTRICAL LOG

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON 1
COMPANY ESSO AUST

COMPANY ESSO AUSTRALIA
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
LOCATION LAT 40° 08' S LONG 145° 55' E
Other Services: FDC-GR.
Sec. Twp. Rge.

Permanent Datum: MSL, Elev. 0.0
Log Measured From K.B. 32 Ft. Above Perm. Datum
Drilling Measured From K.B.
Elev.: K.B. 32
D.F. 31
G.L. -259

FIELD PRINT

Date	26.9.1972			
Run No.	TWO			
Depth—Driller	10,493			
Depth—Logger	10,500			
Btm. Log Interval	10,499			
Top Log Interval	8,763			
Casing—Driller	9⅝ @ 8761	@	@	@
Casing—Logger	8763			
Bit Size	8½"			
Type Fluid in Hole	LIGNOSULPHONATE			
Dens. | Visc.	11.1 | 44			
pH | Fluid Loss	9.8 | 5.2 ml	ml	ml	ml
Source of Sample	CIRCULATION			
R_m @ Meas. Temp.	1.040 @ 61 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.714 @ 61 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.570 @ 61 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	PRESS | PRESS			
R_m @ BHT	0.280 @ 222 °F	@ °F	@ °F	@ °F
Time Since Circ.	6 HRS.			
Max. Rec. Temp.	222/223.5 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	SEVELJ			
Witnessed By	McKAY			

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

REMARKS

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	Tool Position	Other
TWO	6FF40	S.O.	

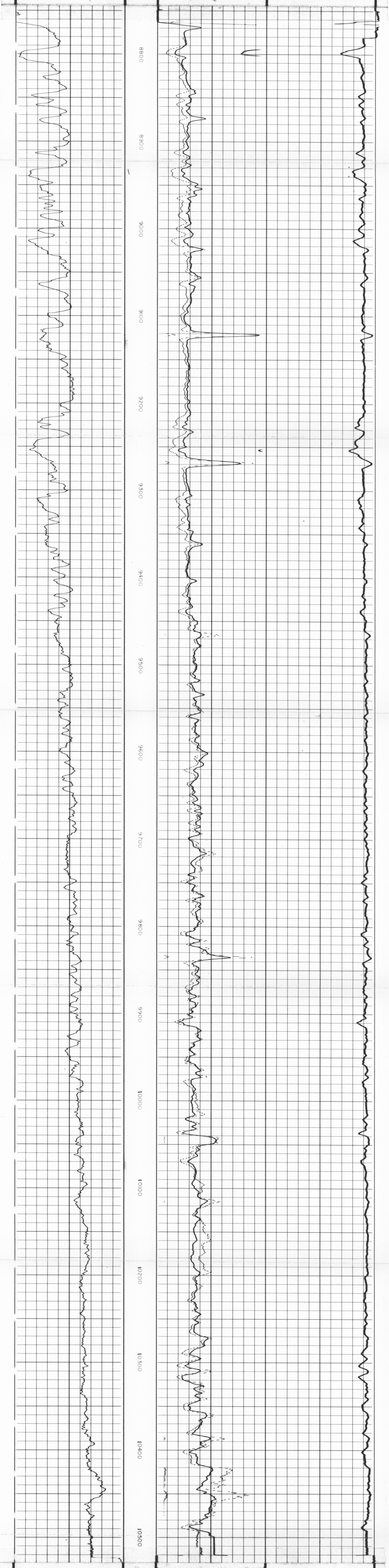
Run No.: TWO
C.D.: NONE
S.O.: 1½"
Equip. PANEL No.: 1RP-L 754
Used: CART. No.: 1RC-F 708
SONDE No.: 1RS-M 944
IAP No.: MMP-B 378
S.B.R.: 1

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 = $\frac{1000}{\text{ohms - m}^2\text{/m}}$
10mV – ↔ +		A - 16" - M SHORT NORMAL 0 – 20 0 – 200	6FF40 INDUCTION 2000 – 0
		INDUCTION 0 – 20 0 – 200	
		AMP. SHORT NORMAL 0 – 4	

5 cm

2"



2"

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

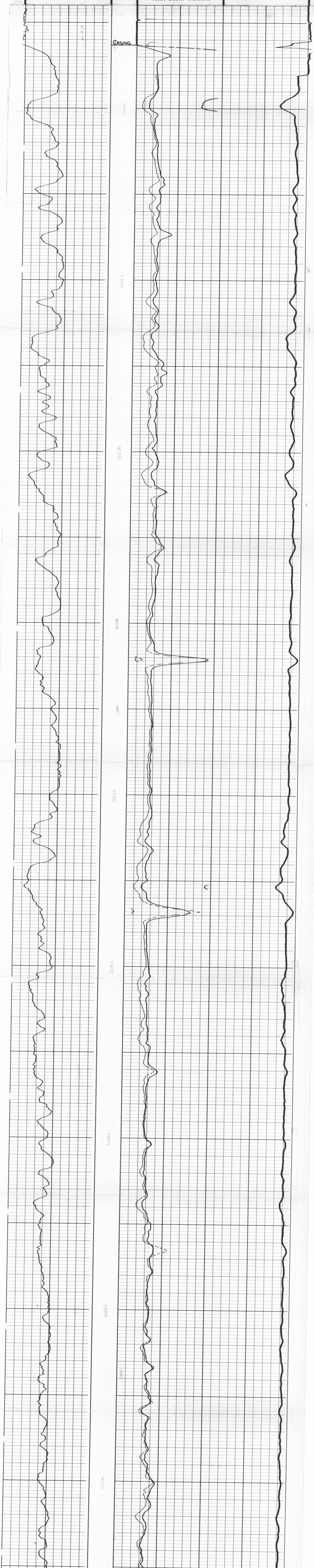
COMPANY	Esso Australia	SCHL. FR	10,499
WELL	Poonboon 1	SCHL. TD	10,500
FIELD	Wildcat	DRLR TD	10,493
COUNTY	Australia	STATE	Tasmania

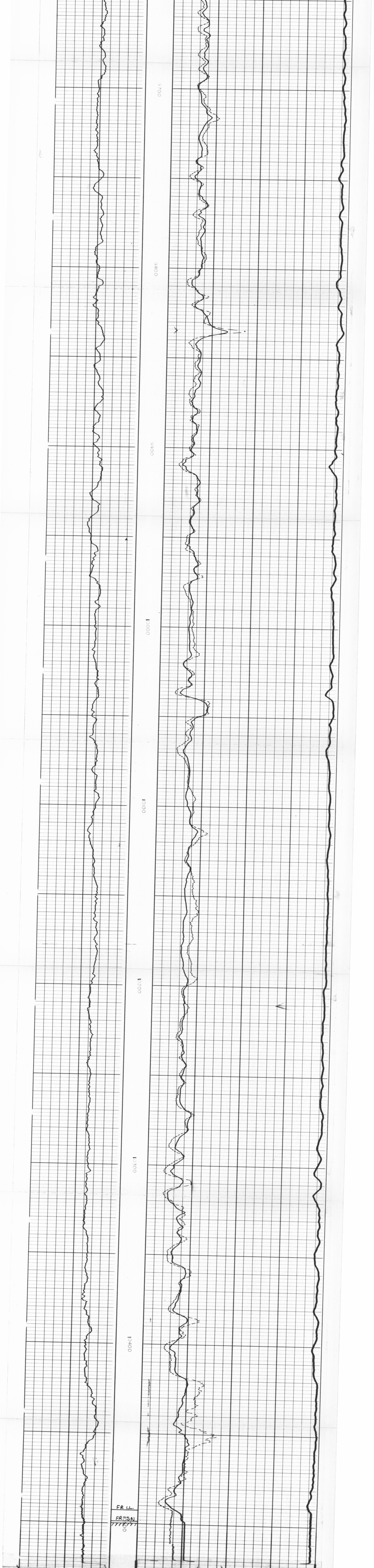
Elev:
KB 32
DF 31
GL -259

DETAIL LOG

5" = 100'

SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$
10mV – |↔| +	5"	A-16"-M SHORT NORMAL 0 — 20 0 — 200 INDUCTION 0 — 20 0 — 200 0 — 4 AMP. SHORT NORMAL	6 FF40 INDUCTION 2000 — 0





5"

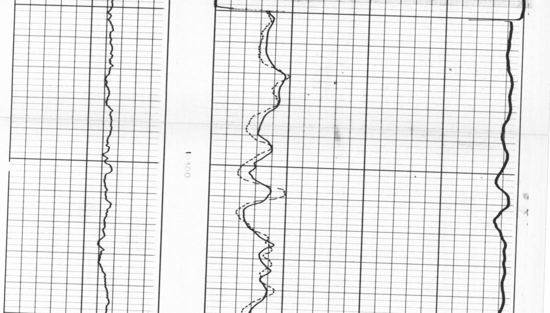
10mV – |↔| +		AMP. SHORT NORMAL 0 4 A-16"-M SHORT NORMAL 0 20 0 20 INDUCTION 0 20 0 20	6 FF40 INDUCTION 2000 0
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

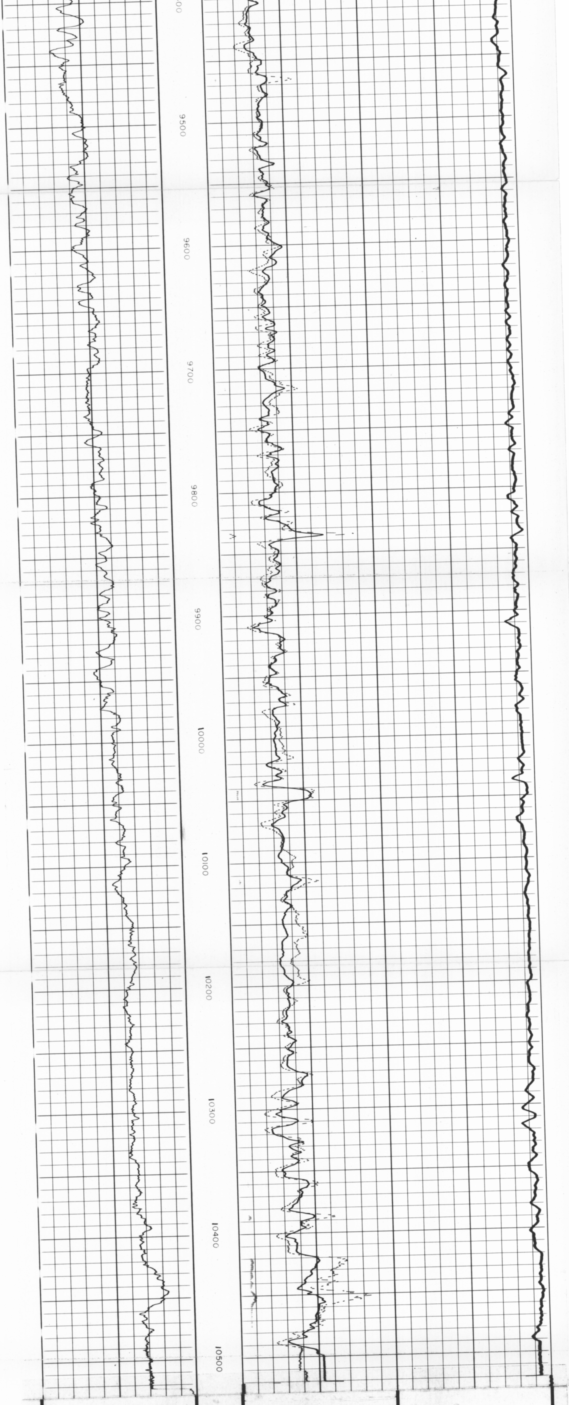
COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

SCHL. FR 10499
SCHL. TD 10500
DRLR TD 10493
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA

REPEAT SECTION





2"

AMP. SHORT NORMAL 0 4

A-16"-M SHORT NORMAL 0 20

0 200

INDUCTION 0 20

0 200

6 FF40 INDUCTION 2000 0

10mV – ↔ +

SPONTANEOUS-POTENTIAL millivolts

DEPTHS

RESISTIVITY ohms - m²/m

CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

SCHL. FR 10,499
SCHL. TD 10,500
DRLR TD 10,493
Elev:
KB 32
DF 31
GL -259

DETAIL LOG

5" = 100'

SPONTANEOUS-POTENTIAL millivolts

DEPTHS

RESISTIVITY ohms - m²/m

CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

10mV – ↔ +

A-16"-M SHORT NORMAL 0 20

0 200

0 20

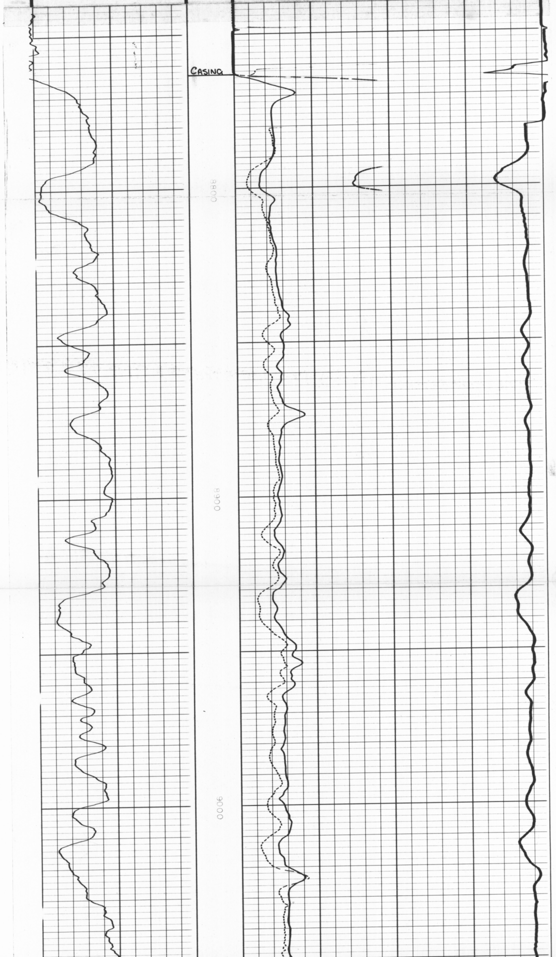
INDUCTION 0 200

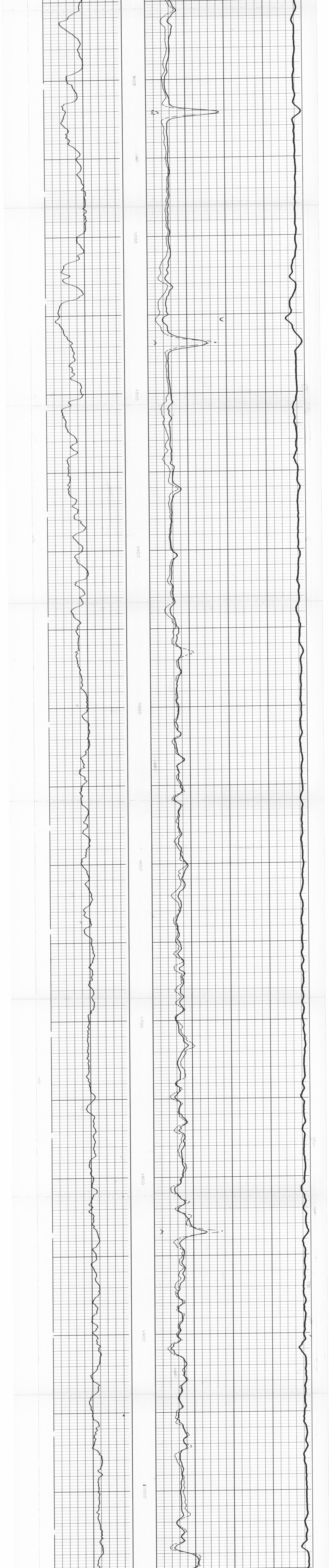
0 4

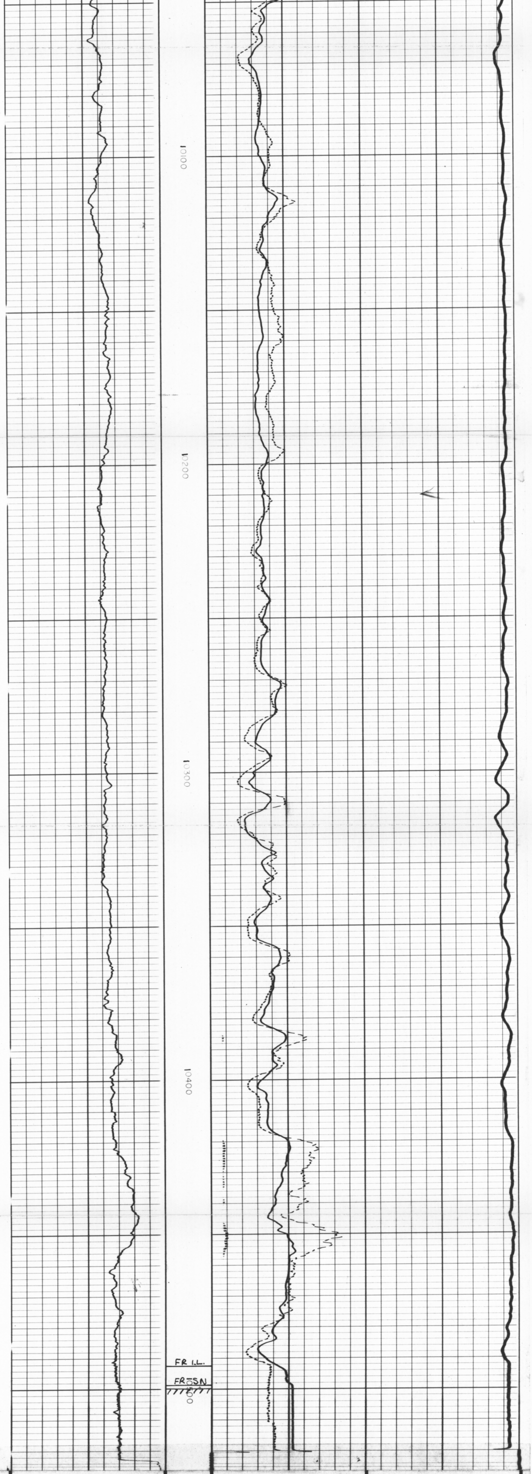
AMP. SHORT NORMAL

5"

6 FF40 INDUCTION 2000 0







5"

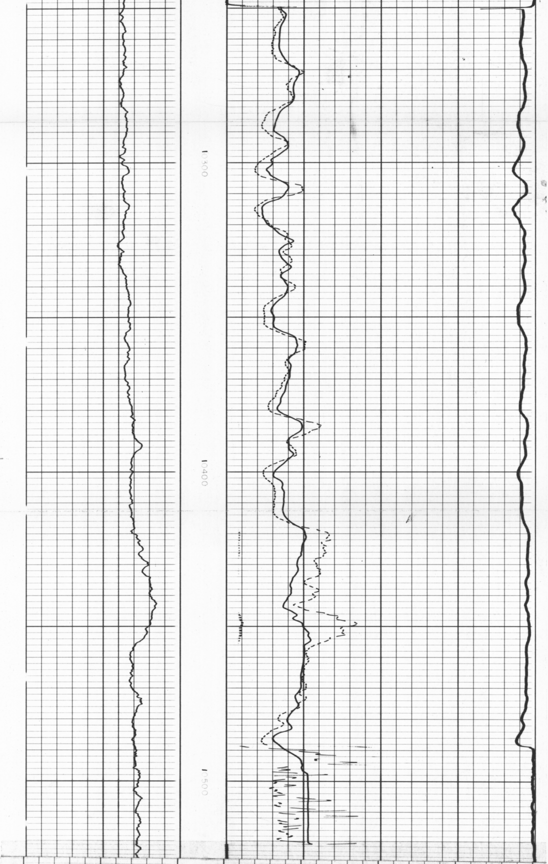
10mV – ↔ +		AMP. SHORT NORMAL 0 4	6 FF40 INDUCTION
		A-16"-M SHORT NORMAL 0 20	
		0 20	2000 0
		INDUCTION 0 20	
		0 20	
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2\text{/m}}$

COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

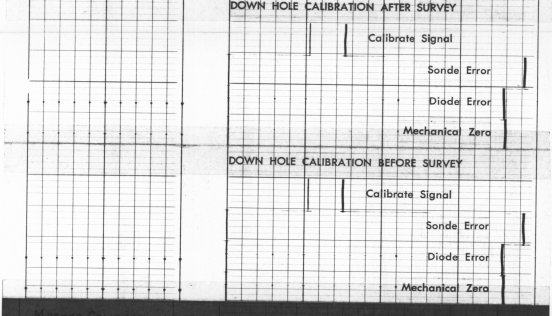
SCHL. FR 10499
SCHL. TD 10500
DRLR TD 10493
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA

REPEAT SECTION



DOWN HOLE CALIBRATION AFTER SURVEY



DOWN HOLE CALIBRATION BEFORE SURVEY

Master Calibration
August 1972.

IRS-M 944
IRC-F 708
ITL-D 160

9200

Calibrate Signal
Test Loop Signal
Diode Error
Sonde Error
Zero Signal in Air
Mechanical Zero

CALIBRATION DATA

5 cm

COMPANY Esso Australia
WELL Poonboon 1
FIELD Wildcat
COUNTY Australia STATE Tasmania

SCHL. FR 10,499
SCHL. TD 10,500
DRLR TD 10,493
Elev:
KB 32
DF 31
GL -259

ENCLOSURE 14b

349068

OR-342

SCHLUMBERGER INDUCTION-ELECTRICAL LOG

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL POONBOON 1
COMPANY ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
LOCATION LAT. 40° 08'S LONG. 145° 55'E
Other Services: FDC/GR
Sec. Twp. Rge.
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	26 SEP'72		
Run No.	2 5"		
Depth—Driller	10,493		
Depth—Logger	10,500		
Btm. Log Interval	10,499		
Top Log Interval	8,763		
Casing—Driller	9 5/8 @ 8761	@	@
Casing—Logger	8763		
Bit Size	8½"		
Type Fluid in Hole	LIGNOSULPHONATE		
Dens. | Visc.	11.1 | 44		
pH | Fluid Loss	9.8 | 5.2 ml	ml	ml
Source of Sample	CIRCULATION		
Rm @ Meas. Temp.	1.40 @ 61 °F	@ °F	@ °F
Rmf @ Meas. Temp.	.074 @ 61 °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.57 @ 61 °F	@ °F	@ °F
Source: Rmf | Rmc	PRESS | PRESS		
Rm @ BHT	.280 @ 222°F	@ °F	@ °F
Time Since Circ.	6 HOURS		
Max. Rec. Temp.	222/223.5°F	°F	°F
Equip. | Location	2080 | SAL		
Recorded By	SEVELL		
Witnessed By	McKAY		

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

REMARKS

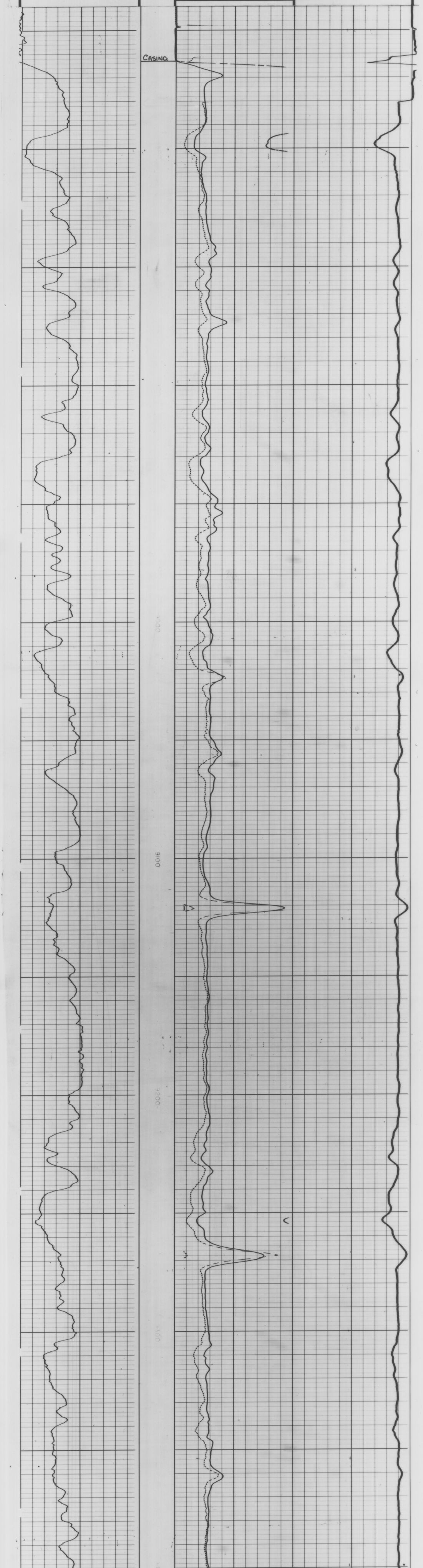
Changes in Mud Type or Additional Samples			Scale Changes			
Date | Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth—Driller						
Type Fluid in Hole						
Dens. | Visc.						
ph | Fluid Loss	ml					
Source of Sample			Equipment Data			
R_m @ Meas. Temp.	@ °F	@ °F	Run No.	Tool Type	Tool Position	Other
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				

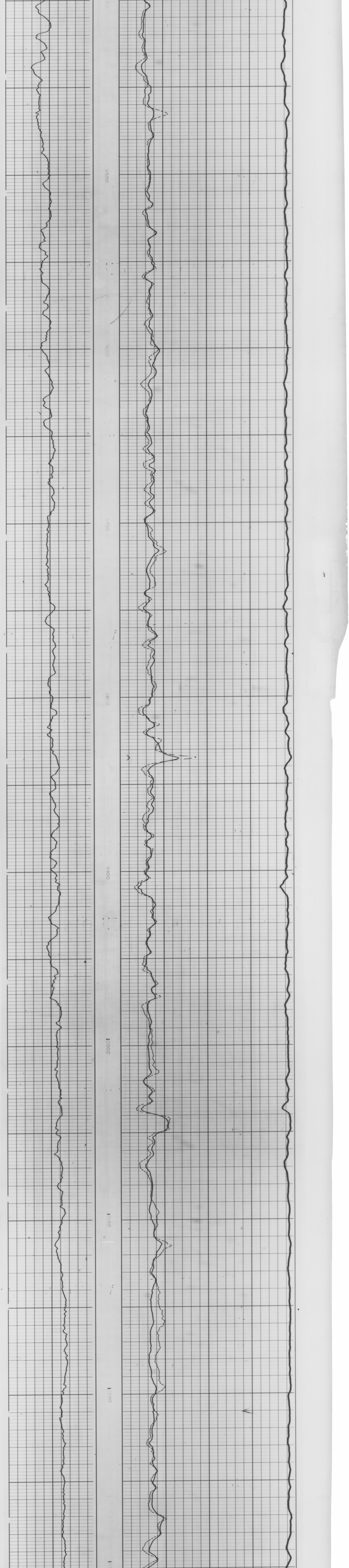
Run No.: TWO
C.D.: NONE
S.O.: 1½"
Equip. PANEL No.: IRP-L-754
Used: CART. No.: IRC-F-708
SONDE No.: IRS-M-944
IAP No.: MMP3B-378
S.B.R.: 1

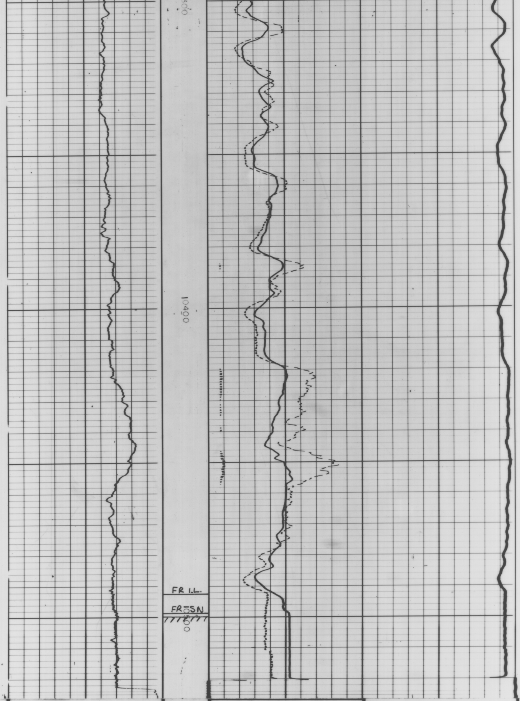
Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at Rm =
☐ 6FF40 zero set in hole at depth of feet.

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

5 cm





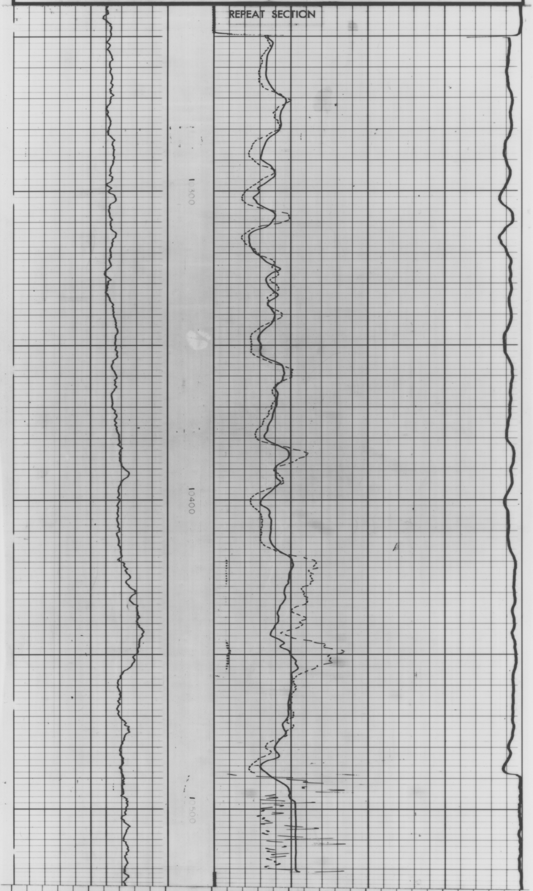


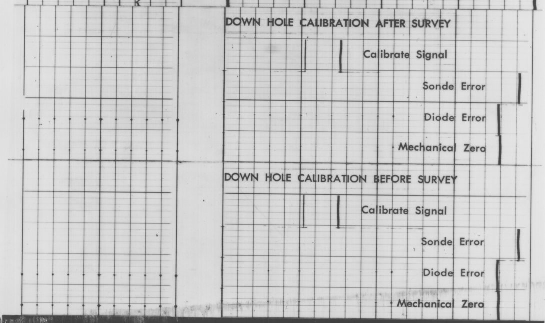
		AMP. SHORT NORMAL 0 4	
		A-16"-M SHORT NORMAL 0 20	6 FF40 INDUCTION
		0 200	2000 0
– ⟷ 10 +		INDUCTION 0 20	
		0 200	
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms - m²/m	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms - m}^2/\text{m}}$

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 10,499
SCHL. TD 10,500
DRLR TD 10,493
Elev:
KB 32
DF 31
GL -259

CALIBRATION DATA





[redacted]

CALIBRATION DATA

COMPANY ESSO AUSTRALIA LIMITED
WELL POONBOON 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR 10,499
SCHL. TD 10,500
DRLR TD 10,493
Elev:
KB 32
DF 31
GL -259