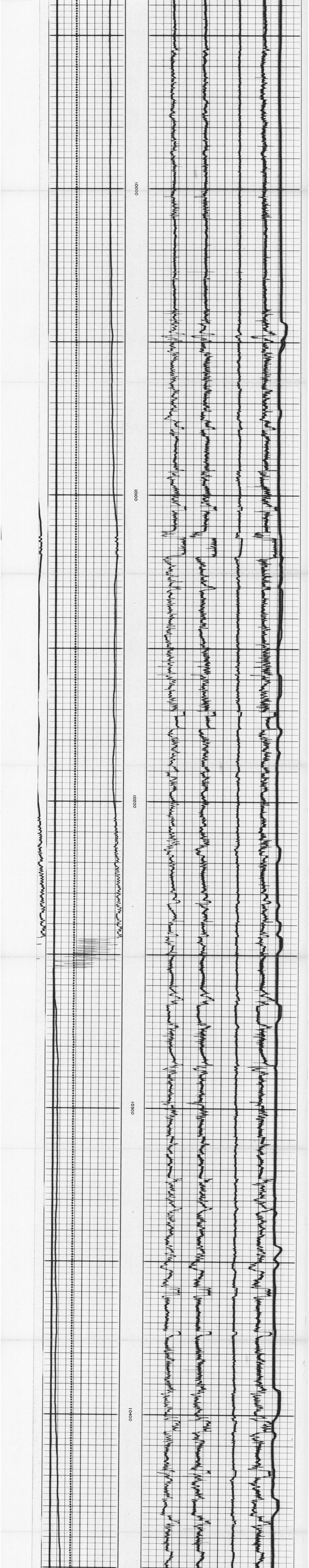
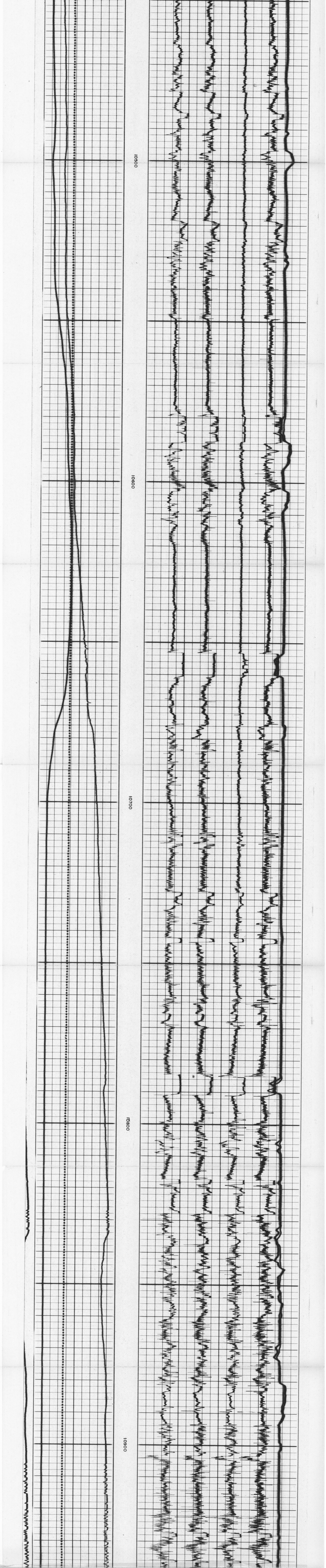
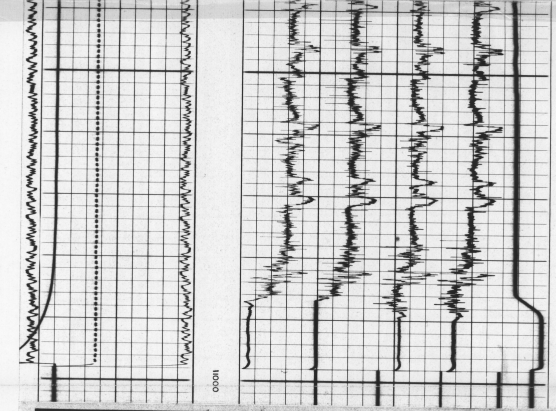


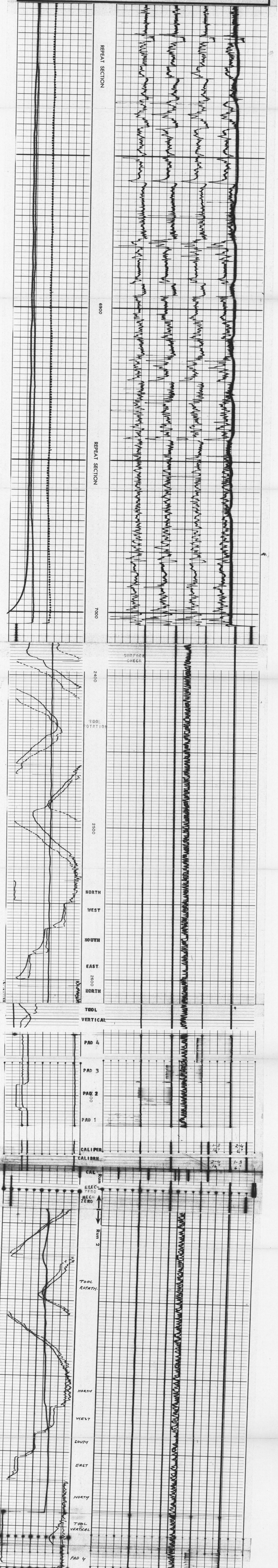


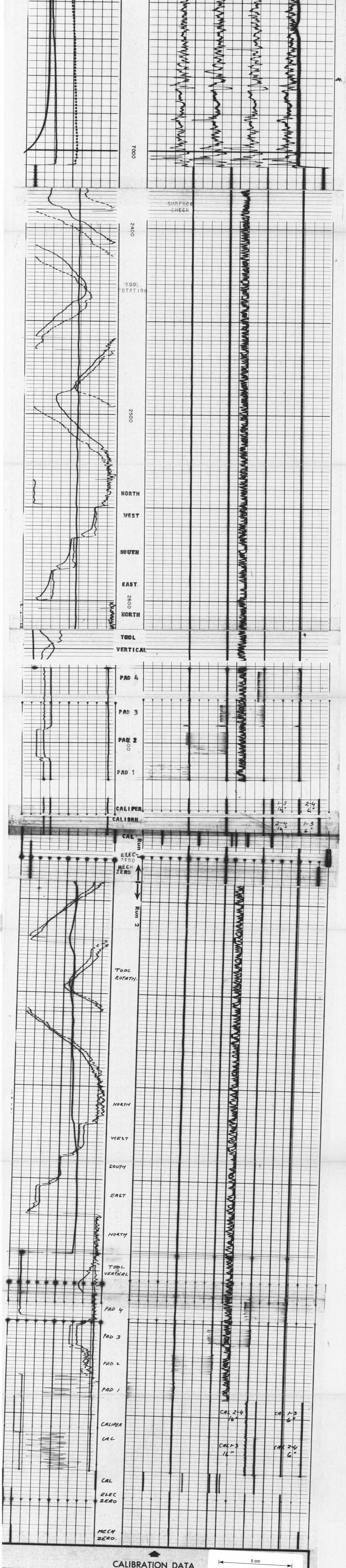


CALIBRATION DATA

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

SCHL. FR 10989
SCHL. TD 10991
DRLR TD 11003
Elev:
KB 32
DF 31
GL -253





CALIBRATION DATA

5 cm

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

SCHL. FR 10989
SCHL. TD 10991
DRLR TD 11003
Elev:
KB 32
DF 31
GL-253

ENCLOSURE 17a

DATA ANALYSIS

DIPMETER LOG INTERPRETATION

OFFSHORE 26

343122

OR_340

D of M | A.O. | CG | CC&M | D.S.M.E. | E&IL

- 1 OCT 1973

DEPT OF MINES

ANSWERED

REF.

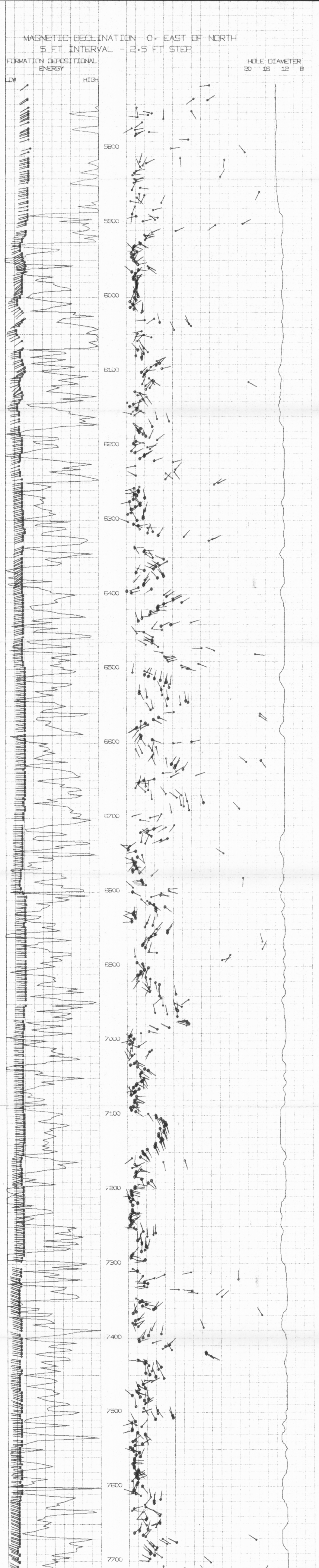
COMPANY: ESSO AUSTRALIA LIMITED
BASIN :
FIELD :
STATE : VIC.
WELL : NARIMBA #1
COUNTRY: AUSTRALIA

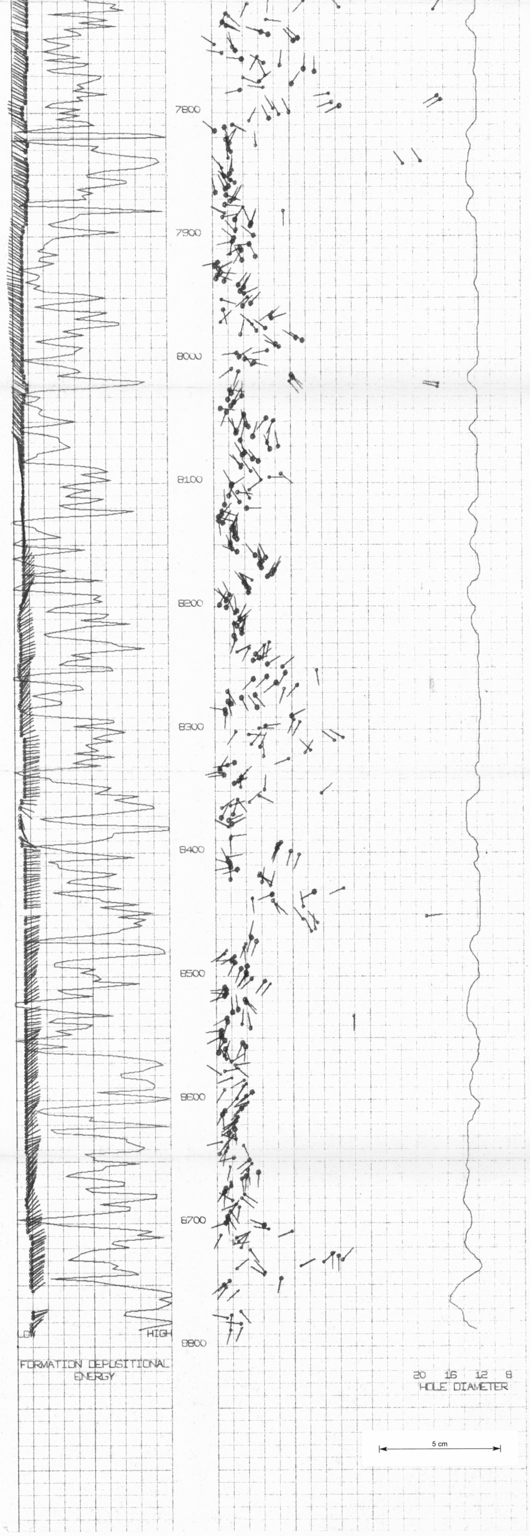
STATE : VIC.
FIELD :
WELL : NARIMBA #1
COMPANY: ESSO AUSTRALIA LTD.
COUNTRY: Aust.

WELL DATA		DIP LOG DATA		INTERPRETATION DATA	
Coordinates lat	40°16'16.153"S	Top Logged Interval:	5700'	Top Processed Interval:	5700'
long	145°43'53.327"E	Bottom Logged Interval:	8798'	Bottom Processed Interval:	8798'
Log Datum & Elevation:	32'	Depth Reached :	8799'	Interval Processed :	3098'
Nature of Datum :	KB	Bottom Driller :	8813'	Date Processed :	21.9.73
Logging Contractor:	Schlumberger	Bit Size :	12-1/4"	Interpretation Program :	DATA ANALYSIS
Other Logs Run :	ISF/SLK,FDC/CNL/GR,CIS,CST	Date Logged :	16.9.73	Computer :	IBM 1130
		Recorded By :	Chaffe/Clarke	Plotter :	IBM 1627
				Comparator :	Automatic

REMARKS :

HOLE DEVIATION & DIRECTION	DEPTH	DIP ANGLE AND DIRECTION
Degrees from vertical 1 2 3 4 5 6 7 8 9		● Excellent ● Good • Poor 5 cm 5 10 15 20 30 40 50 70 90





OR-340

● ENCLOSURE 17b

DATA ANALYSIS

→ DIPMETER LOG
→ INTERPRETATION

COMPANY: ESSO AUSTRALIA LTD.
WELL : NARIMBA #1
FIELD :
STATE :
COUNTRY : AUSTR

COMPANY: ESSO AUSTRALIA LIMITED
BASIN :
FIELD :
STATE : TAS.
WELL : NARIMBA #1
COUNTRY: AUSTRALIA

343123

WELL DATA

Coordinates lat : 40°16'16.153"S
long : 145°43'53.327"E
Log Datum & Elevation: 32'
Nature of Datum : KB
Logging Contractor: Schlumberger
Other Logs Run : ISF/SLK,FDC/CNL/GR,CIS CST

DIP LOG DATA

Top Logged Interval: 5700'
Bottom Logged Interval: 8798'
Depth Reached : 8799'
Bottom Driller : 8813'
Bit Size : 12-1/4"
Date Logged : 16.9.73
Recorded By : Chaffe/Clarke

INTERPRETATION DATA

Top Processed Interval: 5700'
Bottom Processed Interval: 8798'
Interval Processed : 3098'
Date Processed : 21.9.73
Interpretation Program : DATA ANALYSIS
Computer : IBM 1130
Plotter : IBM 1627
Comparator : Automatic

REMARKS :

HOLE DEVIATION & DIRECTION

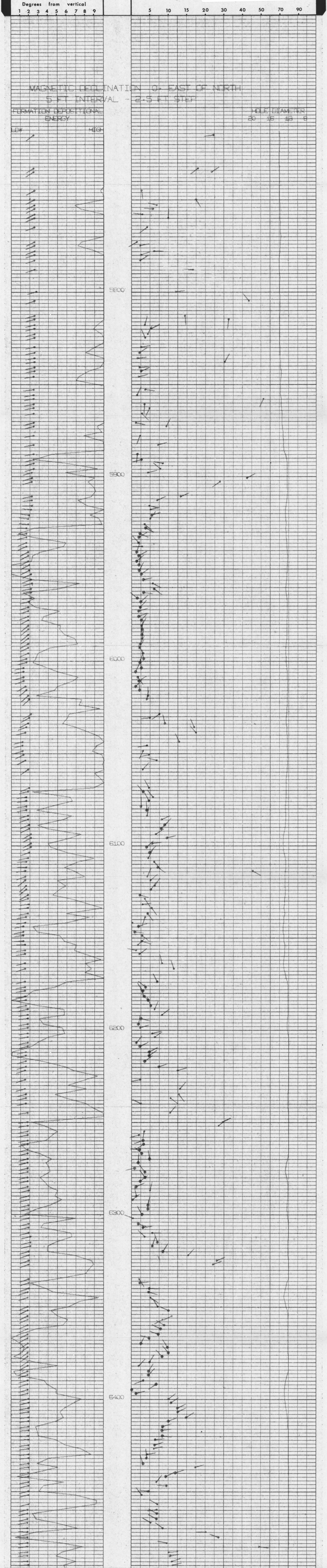
Degrees from vertical

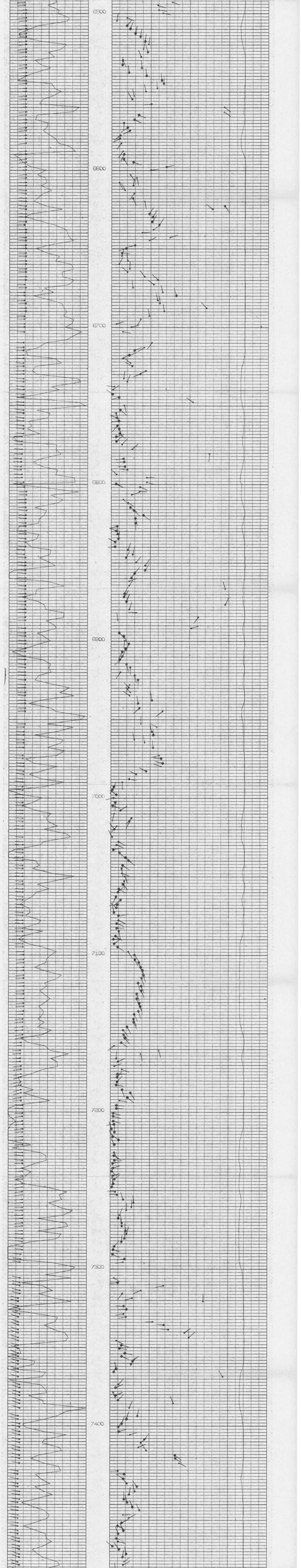
DEPTH

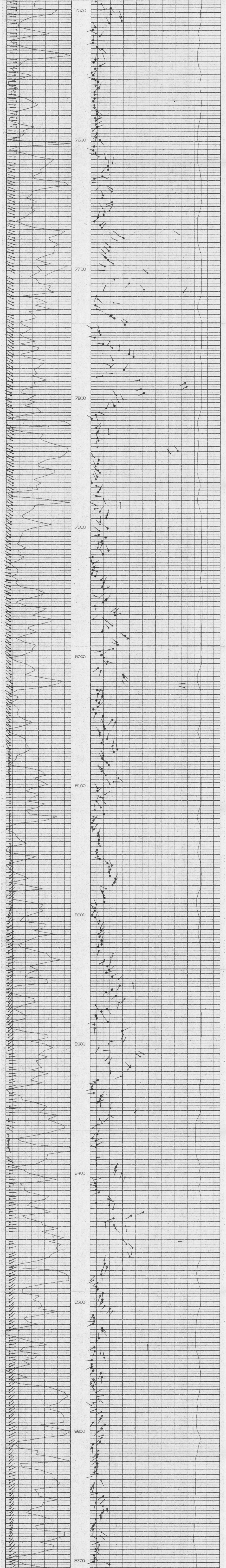
DIP ANGLE AND DIRECTION

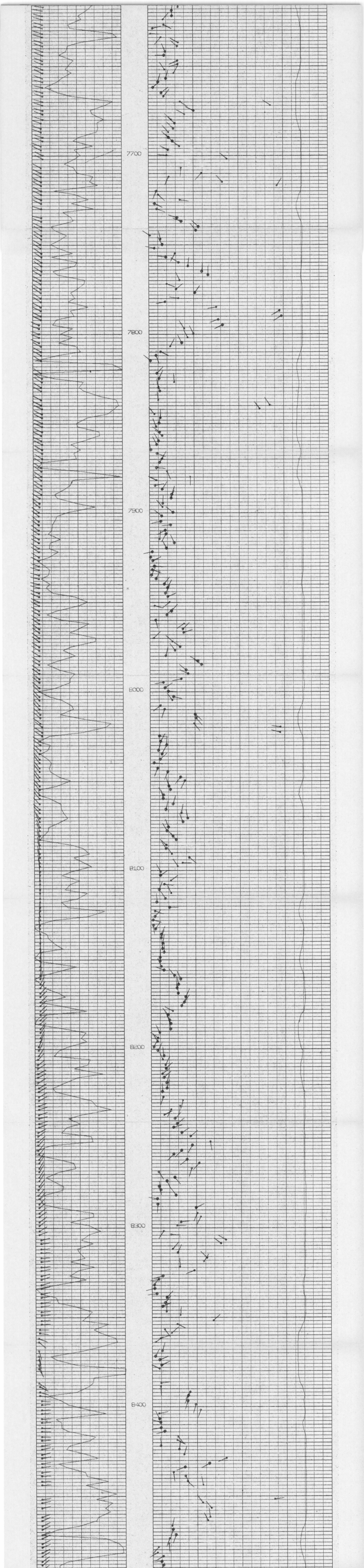
●— Excellent
•— Good
·— Poor

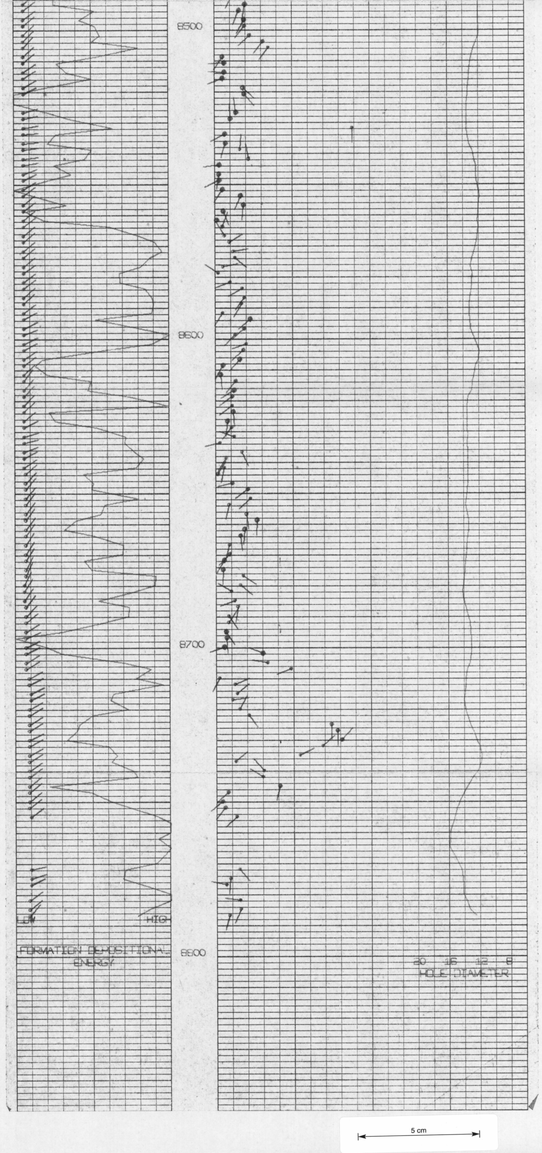
5 cm








7700
7800
7900
8000
8100
8200
8300
8400


8500
8600
8700
LOW
HIGH
FORMATION DEPOSITIONAL
ENERGY
8800
20 16 12 8
HOLE DIAMETER
5 cm

ENCLOSURE 17c

DATA ANALYSIS

→ DIPMETER LOG
→ INTERPRETATION

343124

OR-340

COMPANY: ESSO AUSTRALIA LTD
BASIN : BASS
FIELD : WILDCAT
STATE : TASMANIA
WELL : NARIMBA #1
COUNTRY: AUSTRALIA

COMPANY: Esso Australia Ltd.
WELL : Narimba # 1
FIELD : Wildcat.
STATE : Vic. COUNTRY: Aust.

WELL DATA

Coordinates lat : 40°16'16.153"S
long : 145°43'53.327"E
Log Datum & Elevation: 32'
Nature of Datum : KB
Logging Contractor: Schlumberger
Other Logs Run : FDC/CNL/GR ISF/SLK,ST.

DIP LOG DATA

Top Logged Interval: 8789'
Bottom Logged Interval: 10989'
Depth Reached : 10991'
Bottom Driller : 11003'
Bit Size : 8-½"
Date Logged : 1.10.73
Recorded By : Chaffe/Clarke

INTERPRETATION DATA

Top Processed Interval: 8789'
Bottom Processed Interval: 10989'
Interval Processed : 2200'
Date Processed : 5.10.73
Interpretation Program : DATA ANALYSIS
Computer : IBM 1130
Plotter : IBM 1627
Comparator : Automatic

REMARKS : Due to a malfunction of the Relative Bearing, both the direction and amount of dip of the plots are suspect particularly in areas of high hole deviation and in pronounced washed out sections. A.J. Rigg.

HOLE DEVIATION & DIRECTION

Degrees from vertical
1 2 3 4 5 6 7 8 9

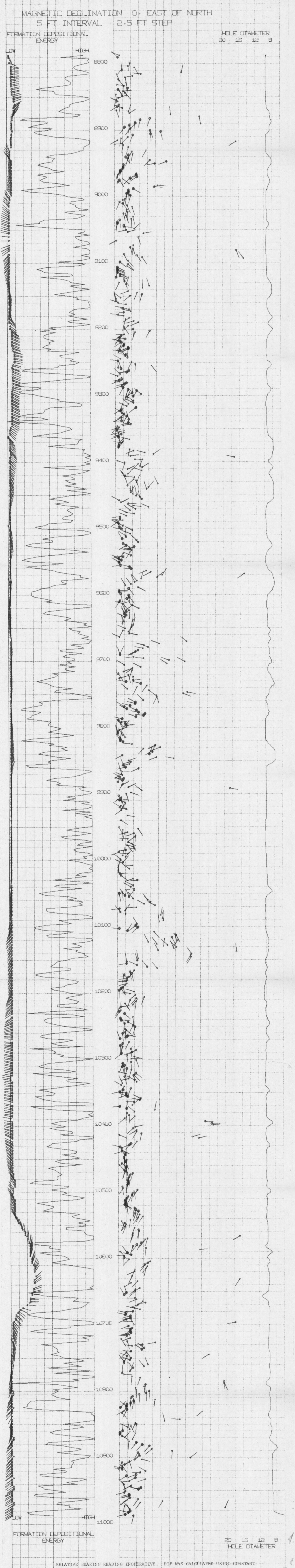
DEPTH

DIP ANGLE AND DIRECTION

Excellent
Good
Poor

5 cm

5 10 15 20 30 40 50 70 90



RELATIVE BEARING READING INOPERATIVE. DIP WAS CALCULATED USING CONSTANT BEARING OF APPROXIMATELY 100 DEGREES.

5 cm

OR-340

ENCLOSURE 17d

DATA ANALYSIS

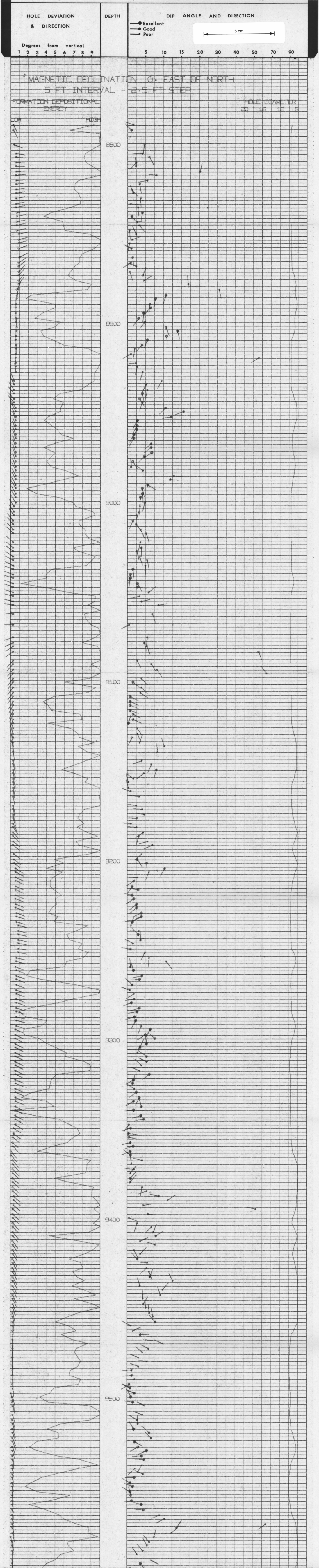
→ DIPMETER LOG
→ INTERPRETATION

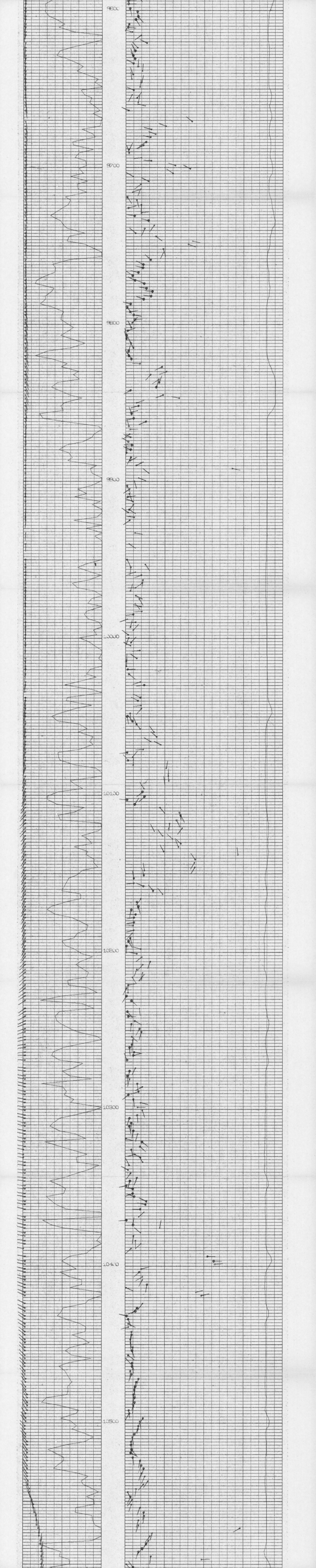
COMPANY: Esso Australia Ltd.
WELL : Narimba # 1
FIELD : Wildcat.
STATE : Vic.
COUNTRY: Aust.

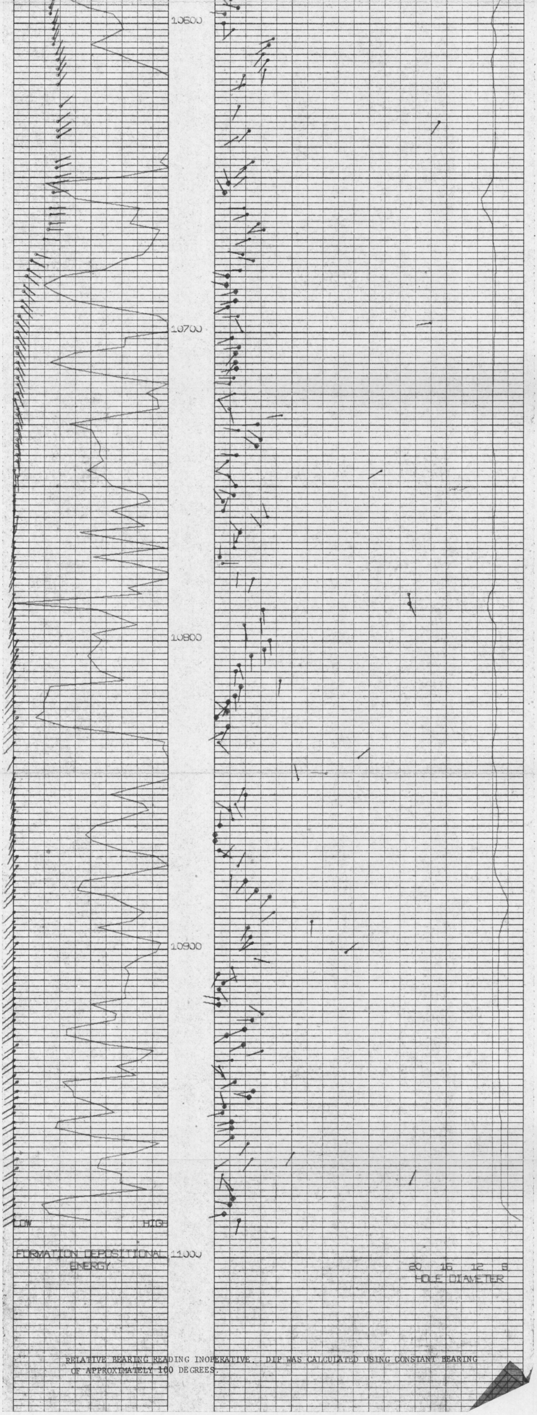
COMPANY: ESSO AUSTRALIA LTD.
BASIN : BASS
FIELD : WILDCAT
STATE : TASMANIA
WELL : NARIMBA #1
COUNTRY: AUSTRALIA

WELL DATA		DIP LOG DATA		INTERPRETATION DATA	
Coordinates lat	: 40°16'16.153"S	Top Logged Interval:	8789'	Top Processed Interval:	8789'
Coordinates long	: 145°43'53.327"E	Bottom Logged Interval:	10989'	Bottom Processed Interval:	10989'
Log Datum & Elevation:	32'	Depth Reached :	10991'	Interval Processed :	2200'
Nature of Datum :	KB	Bottom Driller :	11003'	Date Processed :	5.10.73
Logging Contractor:	Schlumberger	Bit Size :	8-½"	Interpretation Program :	DATA ANALYSIS
Other Logs Run :	FDC/CNL/GR ISF/SLK,ST.	Date Logged :	1.10.73	Computer :	IBM 1130
		Recorded By	Chaffe/Clarke	Plotter :	IBM 1627
				Comparator :	Automatic

REMARKS : Due to a malfunction of the Relative Bearing, both the direction and amount of dip of the plots are suspect particularly in areas of high hole deviation and in pronounced washed out sections. A.J. Rigg.







RELATIVE BEARING READING INOPERATIVE. DIP WAS CALCULATED USING CONSTANT BEARING OF APPROXIMATELY 100 DEGREES.

34312б

0R-340

ENCLOSURE 18a

Schlumberger

ISF

COMPANY	ESSO AUSTRALIA LTD
WELL	NARIMBA 1
FIELD	WILDCAT
COUNTY	AUSTRALIA
STATE	TASMANIA
LOCATION	LAT: 40° 16' 16.153" S LONG: 145 43' 53.327" E
Other Services:	SLK, HDT FDC/CNL/GR ST
Sec.	
Twp.	
Rge.	

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL NARIMBA 1
COMPANY ESSO

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

Elev.: K.B. 32
D.F. 31
G.L. -253

Date	1 OCT 73			
Run No.	FIVE 2"			
Depth—Driller	11003			
Depth—Logger	10993			
Btm. Log Interval	10986			
Top Log Interval	10250			
Casing—Driller	9 5/8 @ 8808	@	@	@
Casing—Logger	8789			
Bit Size	8½			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. / Visc.	11.0 / 44			
pH / Fluid Loss	9.8 / 4.4 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	PRESS			
R_m @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F
Time Since Circ.	7½ HRS			
Max. Rec. Temp.	264/265 °F	°F	°F	°F
Equip. / Location	2080 / SAL			
Recorded By	CHAFFE/CLARKE			
Witnessed By	SVALBE			

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

Date	1 OCT 73					
Run No.	FIVE					
Depth—Driller	11003					
Depth—Logger	10993					
Btm. Log Interval	10986					
Top Log Interval	10250					
Casing—Driller	9 5/8 @ 8808	@	@	@	@	@
Casing—Logger	8789					
Bit Size	8½					
Type Fluid in Hole	LIGNOSULFONATE					
Dens. / Visc.	11.0 / 44					
pH / Fluid Loss	9.8 / 4.4 ml	ml	ml	ml	ml	ml
Source of Sample	FLOWLINE					
R_m @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	FLOWLINE					
R_m @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	7½ HRS					
Max. Rec. Temp.	264/265 °F	°F	°F	°F	°F	°F
Equip. / Location	2080 / SAL					
Recorded By	CHAFFE/CLARKE					
Witnessed By	SVALBE					

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						
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				

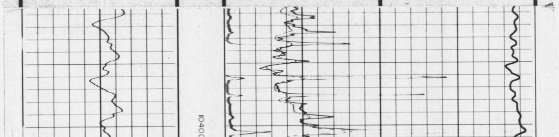
Run No.	5
Ind. Panel No.	A-136
Mem. Panel No.	UA-53
Ind. Cart. No.	MA-123
Ind. Sonde No.	S-124
Sonic Panel No.	
Oscil. Panel No.	
Sonic Cart. No.	
Sonic Sonde No.	
G.R. Cart. No.	
G.R. Panel No.	
Caliper No.	
TTR No.	
S.E.	6.4
SBR	1
Cent. Device	
Stand off-Inches	1½"
Time Const.-Sec.	
Speed-F.P.M.	

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.

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

5 cm



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

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

SCHL. FR 10986
SCHL. TD 10993
DRLR TD 11003
Elev:
KB 32
DF 31
GL -253

5 cm

343127

OR.340

ENCLOSURE 18b

Schlumberger

ISF

COMPANY	ESSO AUSTRALIA LTD
WELL	NARIMBA 1
FIELD	WILDCAT
COUNTY	AUSTRALIA STATE TASMANIA
LOCATION	LAT: 40° 16' 16.153" S LONG: 145° 43' 53.327" E
Other Services:	SLK, HDT FDC/CNL/GR ST
Sec.	Twp. Rge.

Permanent Datum: MSL, Elev. 0

Log Measured From KB, Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 32
D.F. 31
G.L. -253

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL NARIMBA 1
COMPANY ESSO

Date	1 OCT 73			
Run No.	FIVE 5"			
Depth—Driller	11003			
Depth—Logger	10993			
Btm. Log Interval	10986			
Top Log Interval	10250			
Casing—Driller	9⅝ @ 8808	@	@	@
Casing—Logger	8789			
Bit Size	8½			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. / Visc.	11.0 / 44			
pH / Fluid Loss	9.8 / 4.4 ml	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	PRESS			
Rm @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F
Time Since Circ.	7½ HRS			
Max. Rec. Temp.	264/265 °F	°F	°F	°F
Equip. / Location	2080 / SAL			
Recorded By	CHAFFE/CLARKE			
Witnessed By	SVALBE			

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

Date	1 OCT 73					
Run No.	FIVE					
Depth—Driller	11003					
Depth—Logger	10993					
Btm. Log Interval	10986					
Top Log Interval	10250					
Casing—Driller	9⅝ @ 8808	@	@	@	@	@
Casing—Logger	8789					
Bit Size	8½					
Type Fluid in Hole	LIGNOSULFONATE					
Dens. / Visc.	11.0 / 44					
pH / Fluid Loss	9.8 / 4.4 ml	ml	ml	ml	ml	ml
Source of Sample	FLOWLINE					
Rm @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmf @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Source: Rmf / Rmc	FLOWLINE					
Rm @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	7½ HRS					
Max. Rec. Temp.	264/265 °F	°F	°F	°F	°F	°F
Equip. / Location	2080 / SAL					
Recorded By	CHAFFE/CLARKE					
Witnessed By	SVALBE					

Changes in Mud Type or Additional Samples			Scale Changes			
			Type Log	Depth	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.	5
Ind. Panel No.	A-136
Mem. Panel No.	UA-53
Ind. Cart. No.	MA-123
Ind. Sonde No.	S-124
Sonic Panel No.	
Oscil. Panel No.	
Sonic Cart. No.	
Sonic Sonde No.	
G.R. Cart. No.	
G.R. Panel No.	
Caliper No.	
TTR No.	
S.E.	6.4
SBR	1
Cent. Device	
Stand off-Inches	1½"
Time Const.-Sec.	
Speed-F.P.M.	

REMARKS:

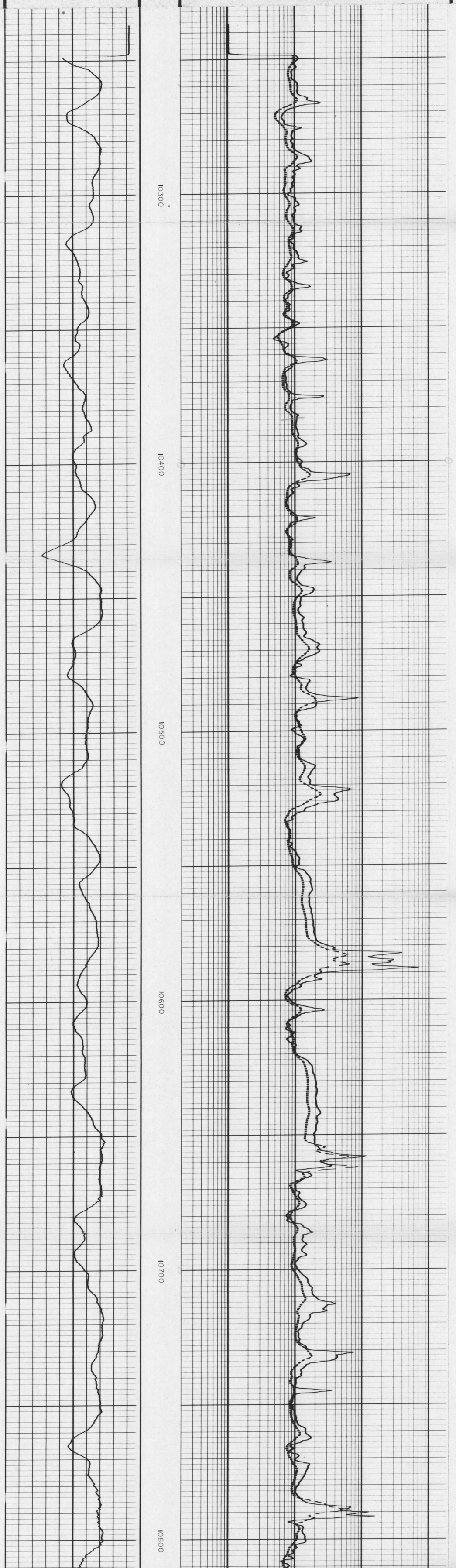
Service Order No.-
API Serial No.-
Check one, filling in blanks where applicable:
☐ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at Rm
☐ 6FF40 zero set in hole at depth of feet.

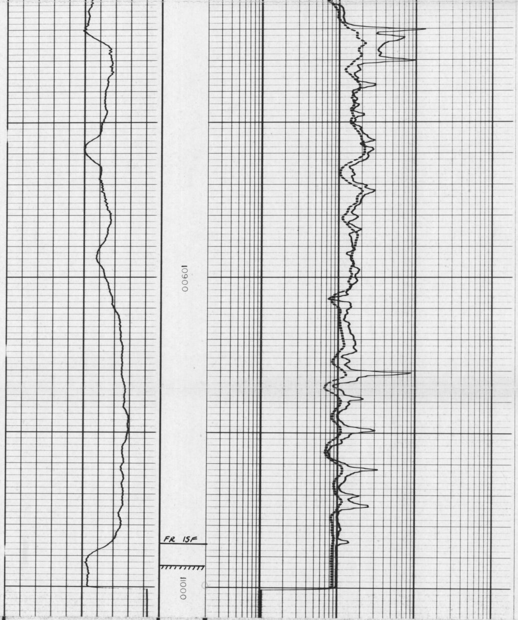
DETAIL LOG

5" = 100'

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT
− 10 +		T 3 R₁ 2 R₂ 140 90 40
		RESISTIVITY OHMS = M²/M INDUCTION — 6FF40 SPHERICALLY FOCUSED
	5"	0.2 1.0 10 100 1000 2000

5 cm





5"

0.2 1.0 10 100 1000 2000

INDUCTION — 6FF40

SPHERICALLY FOCUSED

RESISTIVITY

OHMS = M^2/M

T 3 R_1 2 R_2

— 10 +

140 90 40

SPONTANEOUS-POTENTIAL
MILLIVOLTS

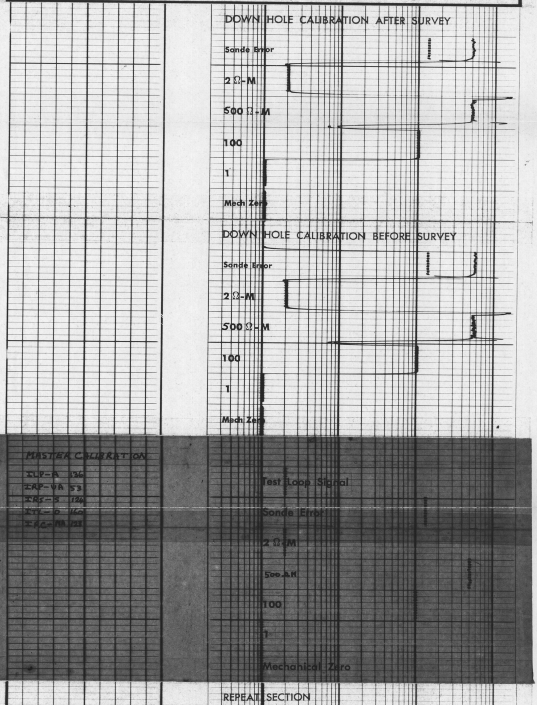
DEPTHS

INTERVAL TRANSIT TIME
MICROSECONDS PER FOOT

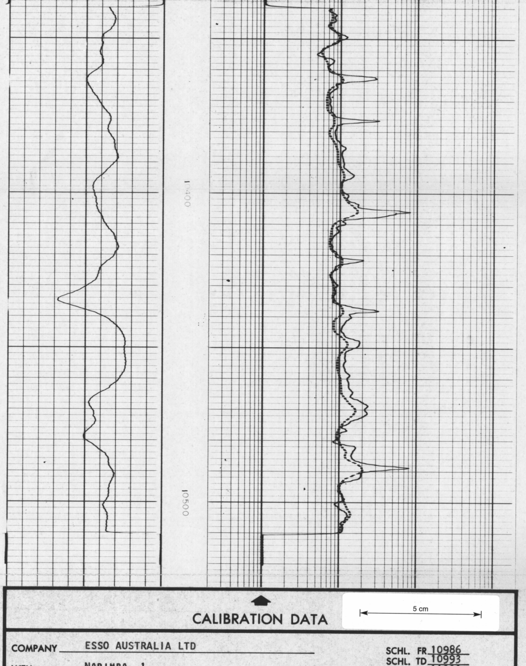
COMPANY ESSO AUSTRALIA LTD
WELL NARIMBA 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA

SCHL. FR	10986
SCHL. TD	10993
DRLR TD	11003
Elev:	
KB	32
DF	31
GL	-253

CALIBRATION DATA



REPEAT SECTION



CALIBRATION DATA

5 cm

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

SCHL. FR 10986
SCHL. TD 10993
DRLR TD 11003
Elev:
KB 32
DF 31
GL -253

343128 OR-340

ENCLOSURE 18c
Schlumberger

ISF/

COUNTY AUSTRALIA
FIELD or LOCATION WILDCAT
WELL NARIMBA 1
COMPANY ESSO

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

LOCATION
LAT: 40° 16' 16.153" S.
LONG: 145° 43' 53.327" E.
Sec. Twp. Rge.

Other Services:
SLK, HDT
FDC/CNL/GR
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. -253

Date	OCT. 1. 1973			
Run No.	5, 5" 2"			
Depth—Driller	11003			
Depth—Logger	10993			
Btm. Log Interval	10986			
Top Log Interval	10250			
Casing—Driller	9 5/8 @ 8808	@	@	@
Casing—Logger	8789			
Bit Size	8 1/2			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	11.0 | 44			
pH | Fluid Loss	9.8 | 4.4 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	PRESS			
R_m @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F
Time Since Circ.	7 1/2 HRS			
Max. Rec. Temp.	264/265 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	CHAFFE/CLARKE			
Witnessed By	SVALBE			

FIELD PRINT

OFFSHORE 26

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

Date	OCT. 1 1973					
Run No.	5, 5" 2"					
Depth—Driller	11003					
Depth—Logger	10993					
Btm. Log Interval	10986					
Top Log Interval	10250					
Casing—Driller	9 5/8 @ 8808	@	@	@	@	@
Casing—Logger	8789					
Bit Size	8 1/2					
Type Fluid in Hole	LIGNOSULFONATE					
Dens. | Visc.	11.0 | 44					
pH | Fluid Loss	9.8 | 4.4 ml	ml	ml	ml	ml	ml
Source of Sample	FLOWLINE					
R_m @ Meas. Temp.	0.80 @ 69 °F	@ °F	@ °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0.56 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1.17 @ 68 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	FLOWLINE					
R_m @ BHT	0.21 @ 264 °F	@ °F	@ °F	@ °F	@ °F	@ °F
Time Since Circ.	7 1/2 HRS					
Max. Rec. Temp.	264/265 °F	°F	°F	°F	°F	°F
Equip. | Location	2080 | SAL					
Recorded By	CHAFFE/CLARKE					
Witnessed By	SVALBE					

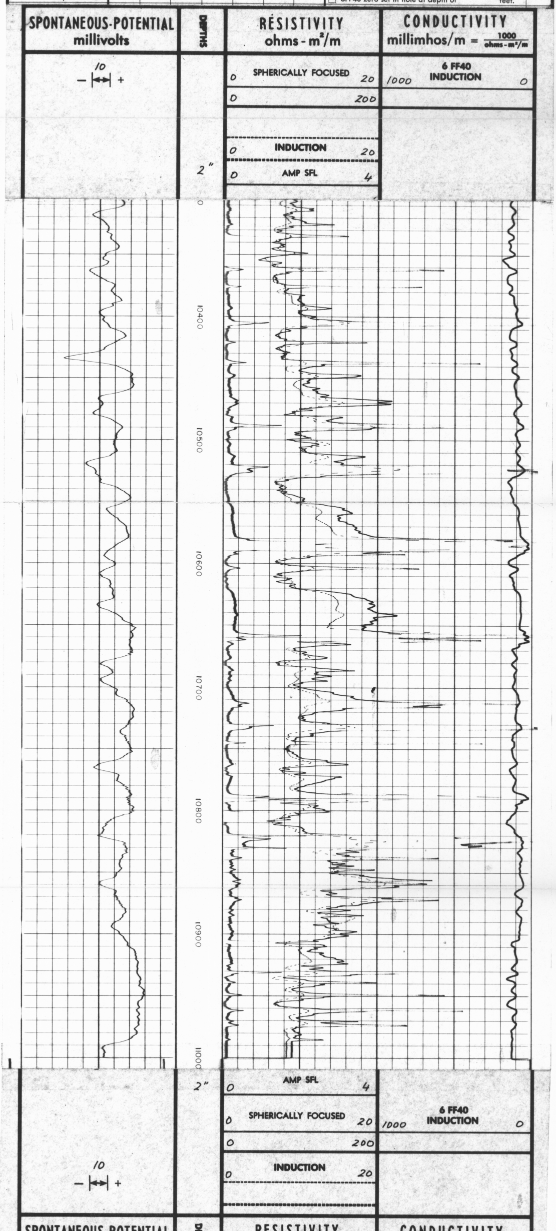
Changes in Mud Type or Additional Samples			Scale Changes			
Date | Sample No.			Type Log	Depth	Scale Up Hole	Scale Down Hole
Depth—Driller						
Type Fluid in Hole						
Dens. | Visc.						
ph | Fluid Loss	ml					
Source of Sample						
R_m @ Meas. Temp.	@ °F	@ °F				
R_{mf} @ Meas. Temp.	@ °F	@ °F				
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				

Run No.	5
Ind. Panel No.	A-136
Mem. Panel No.	UA-63
Ind. Cart. No.	MA-123
Ind. Sonde No.	S-124
Sonic Panel No.	
Oscil. Panel No.	
Sonic Cart. No.	
Sonic Sonde No.	
G.R. Cart. No.	
G.R. Panel No.	
Caliper No.	
TTR No.	
S.E.	6.4
SBR	1
Cent. Device	
Stand off-Inches	1 1/2"
Time Const.-Sec.	
Speed-F.P.M.	

REMARKS:

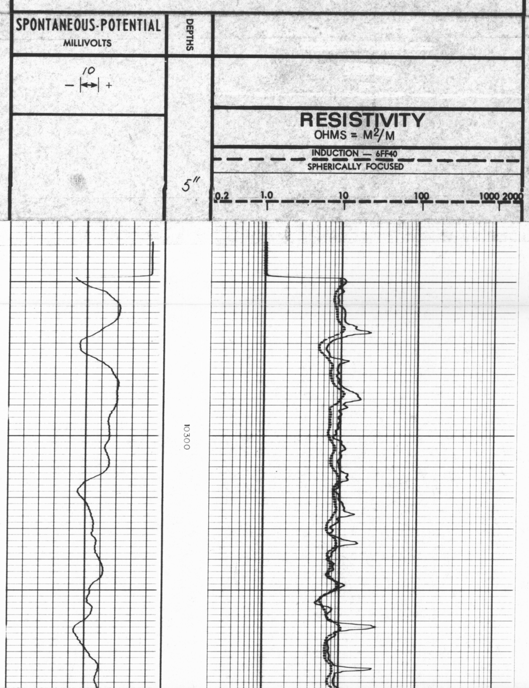
5 cm

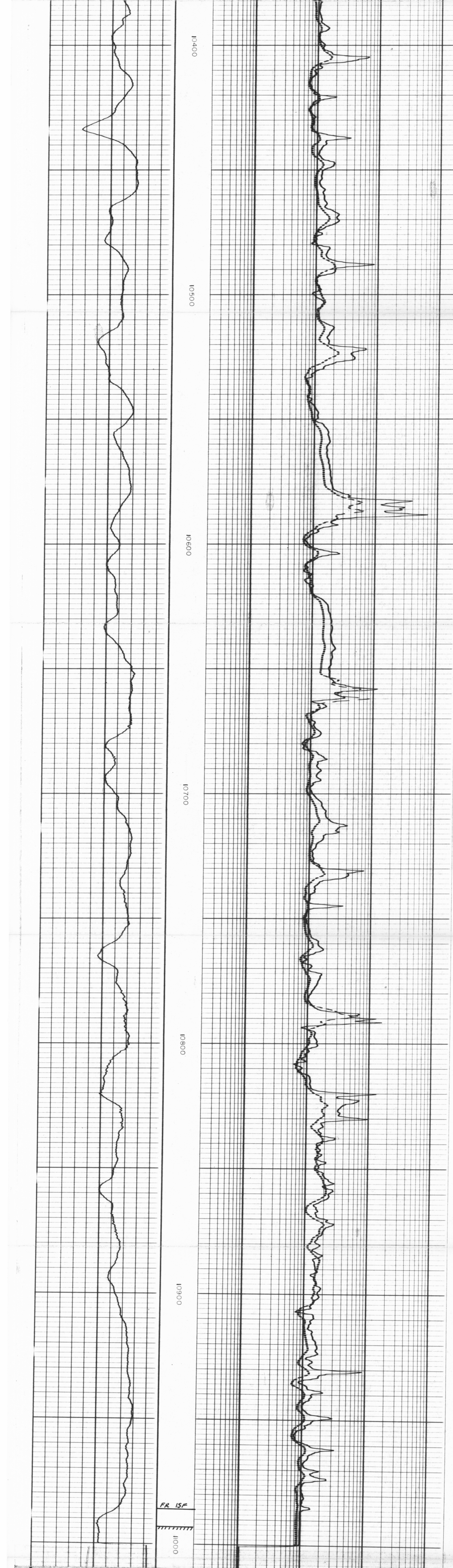
Service Order No.-
API Serial No.-
Check one, filling in blanks where applicable:
☒ Surface determined sonde errors used for 6FF40.
☐ 6FF40 sonde error corrected for inch borehole signal at Rm
☐ 6FF40 zero set in hole at depth of feet.



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

SCHL. FR. 10986
SCHL. TD 10993
DRLR TD 11003
Elev:
KB 32
DF 31
GL -253





5"

0.2	1.0	10	100	1000	2000

INDUCTION — 6FF40

SPHERICALLY FOCUSED

RESISTIVITY

OHMS = M^2/M

10

− ↔ +

SPONTANEOUS-POTENTIAL
MILLIVOLTS

DEPTHS

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

SCHL. FR 10986
SCHL. TD 10993
DRLR TD 11003
Elev:
KB 32
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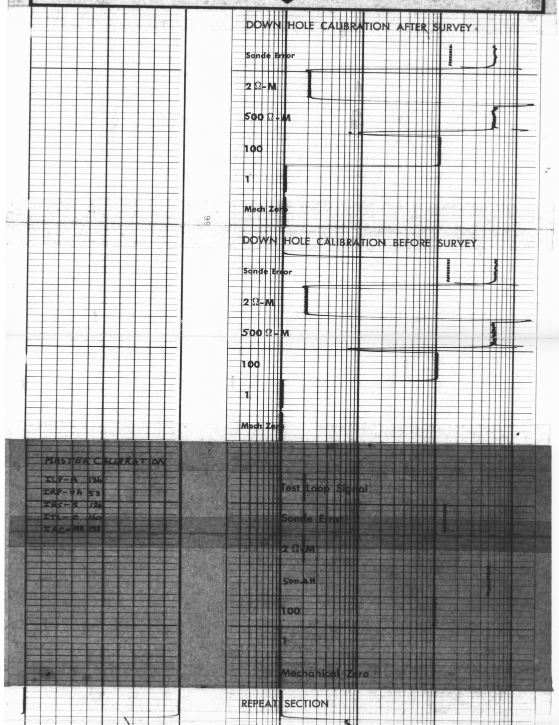
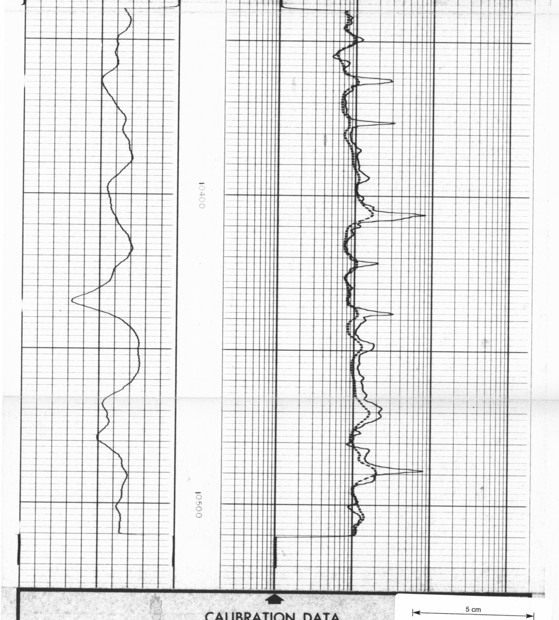
GL −253

CALIBRATION DATA



MASTER CALIBRATION
ILP-A 136
IAP-VA 53
IRS-S 124
ITL-O 160
IRC-MA 123

REPEAT SECTION



CALIBRATION DATA

5 cm

COMPANY Esso Australia Ltd.
WELL Narimba 1.
FIELD Wildcat.
COUNTY Australia STATE Tasmania.

SCHL. FR 10986
SCHL. TD 10993
DRLR TD 11003
Elev:
KB 32
DF 31
GL −253

OR-340

ENCLOSURE 19a

343129

SCHLUMBERGER

FORMATION TESTER

COUNTY AUSTRALIA
Field or LOCATION WILDCAT
WELL NARIMBA 1
COMPANY ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LTD.
WELL NARIMBA 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE TASMANIA
LOCATION LAT 40° 16' 16.153" S LONG 145° 43' 53.327" E
Sec. Twp. Rge.
Other Services: FDC/CNL/GR ISF/SONIC

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. -253

Date	22-9-73	
Run No.	1	
Test No's.	1	
Type of Test	Open Hole ☒ Cased Hole ☐	Open Hole ☐ Cased Hole ☐
Type Fluid in Hole	LIGNOSULFONATE	
Dens. | Visc.	10.1 | 43	
pH | Fluid Loss	9.8 | 4.4	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp.	1.02 @ 79 °F	@ °F
Rmf @ Meas. Temp.	0.73 @ 68 °F	@ °F
Rmc @ Meas. Temp.	1.42 @ 73 °F	@ °F
Source: Rmf | Rmc	PRESS	
Rm @ BHT	0.36 @ 237 °F	@ °F
Time Since Circ.	4 HRS	
Max. Rec. Temp.	226/228 °F	°F
Recorded By	J. CHISHOLM	
Witnessed By	J. BLACK	

RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
2	8½"	8808	9561	9⅝	47	SURF	8808

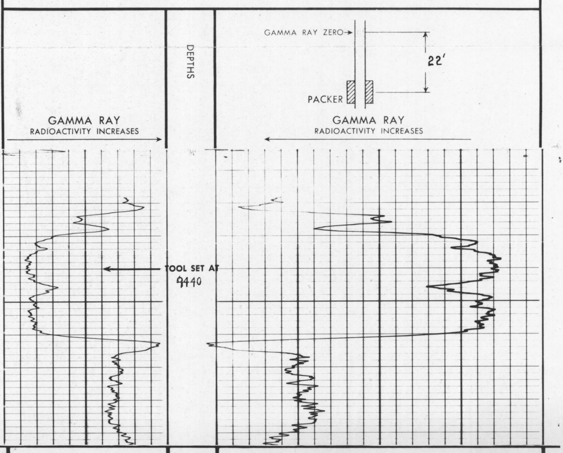
FOLD HERE The well name, location and borehole reference data were furnished by the customer.

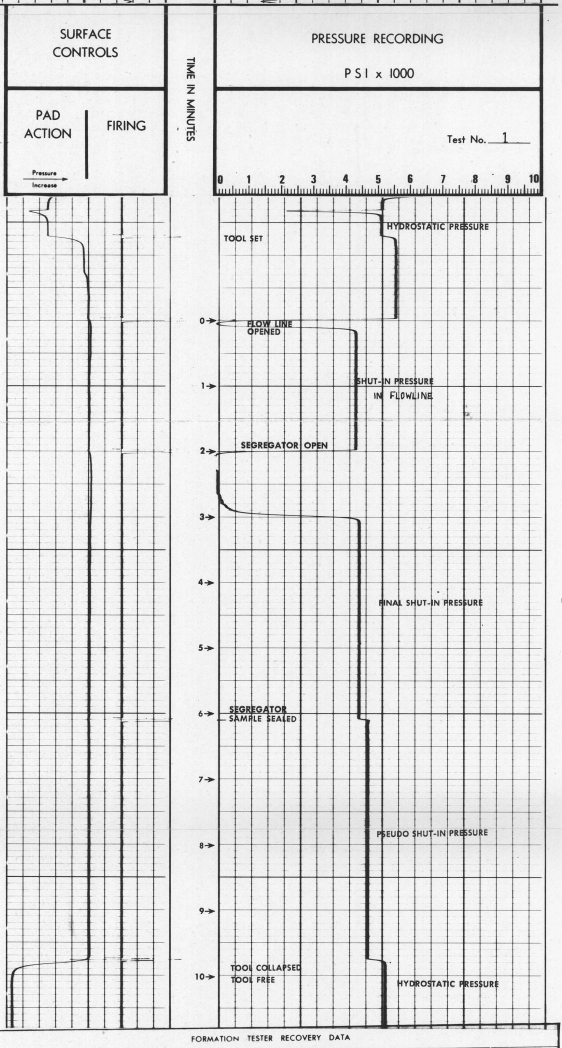
Run No.	1	
Operating rig time	3.5 HRS.	
Logging Truck No.	2080	
F.T. Truck No.	—	
F.T. Engineer	J. CHISHOLM	
F.T. Operator	L. BROWNE	
Location	SAL	

REMARKS:

RECORDED TESTER POSITION

Test No. 1





FORMATION TESTER RECOVERY DATA

TEST No. 1
TEST DEPTH 9440
OPEN HOLE TEST ☒
CASED HOLE TEST ☐

RECOVERY DATA SEGREGATOR. SAMPLE ONLY.
Gas (Total) ·1 cuft
Condensate — cc
Oil — cc
Water 2,200 cc
Mud — cc
Sand — cc

TOOL DATA
Type of tool COMBO - FIT
Type of Sample shot CONTACT · Hyd. T. Fol
Sample Unit size 2250 cc
Choke size —

PRESSURE DATA
Initial Shut in 4250 psi
Shut in Time 2. min
Sampling NA. psi
Sampling Time min
Final Shut in 4300 psi
Shut in Time 3 min
Hydrostatic 5075 psi
Surface Chamber psi

RECOVERY ANALYSIS
Free Gas ·1 cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) ·85 @ 68 °F
Equivalent Cl 7200 ppm

MUD FILTRATE DATA
Rmf 0·73 @ 68 °F
Equivalent Cl 8,200 ppm
Rw @ °F
Equivalent Cl ppm

REMARKS

COMPANY ESSO AUSTRALIA LTD
WELL NARIMBA 1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TASMANIA

SCHLUMBERGER
FORMATION TESTER

C. 70.419 · SEPT. 65 · DH

ENCLOSURE 19b

343130

OR-340

SCHLUMBERGER FORMATION TESTER

COUNTY	AUSTRALIA
Field or LOCATION	WILDCAT
WELL	NARIMBA
COMPANY	ESSO AUSTRALIA LTD

COMPANY ESSO AUSTRALIA LTD.

WELL NARIMBA 1

FIELD WILDCAT

COUNTY AUSTRALIA STATE VICTORIA

LOCATION
LAT 40° 16′ 16·153″ S
LONG 145° 43′ 53·327″ E
Sec. Twp. Rge.

Other Services:
ISF/SLK
FDC/CNL

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. -253

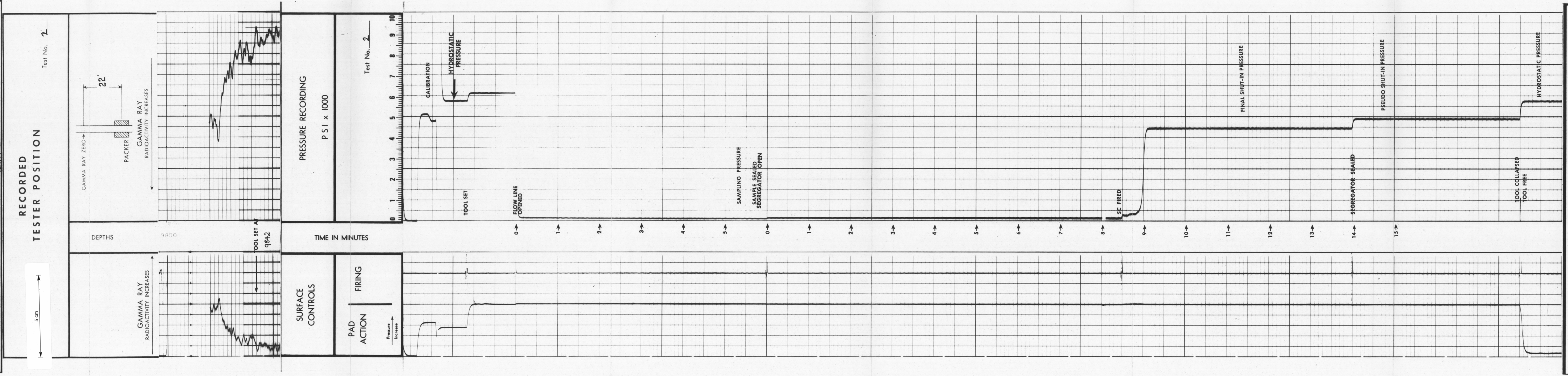
Date	25-9-73			
Run No.	2			
Test No's.	,2,3			
Type of Test	Open Hole ☒	Cased Hole ☐	Open Hole ☐	Cased Hole ☐
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	11·0	45		
pH | Fluid Loss	9·8	4·8		
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	0·89	@ 68 °F	@	°F
R_{mf} @ Meas. Temp.	0·62	@ 68 °F	@	°F
R_{mc} @ Meas. Temp.	1·30	@ 68 °F	@	°F
Source: R_{mf} | R_{mc}	PRESS			
R_m @ BHT	·24	@ 248 °F	@	°F
Time Since Circ.	9 HRS			
Max. Rec. Temp.	247°-248	°F	2ND RUN. 248-249 °F	
Recorded By	J. CHISHOLM			
Witnessed By	J. BLACK			

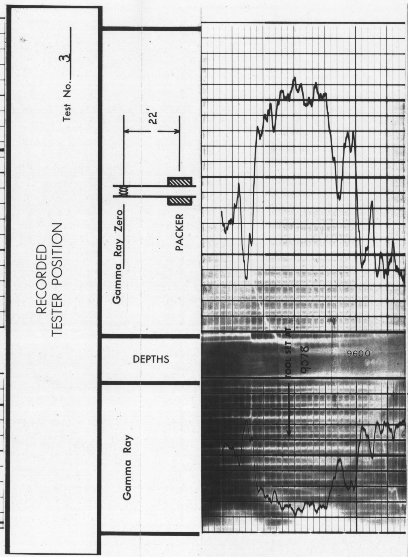
RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
2	8½″	8808	9904	9⅝″	47	SURFACE	8808
		BARITE 73 lb/bbl					

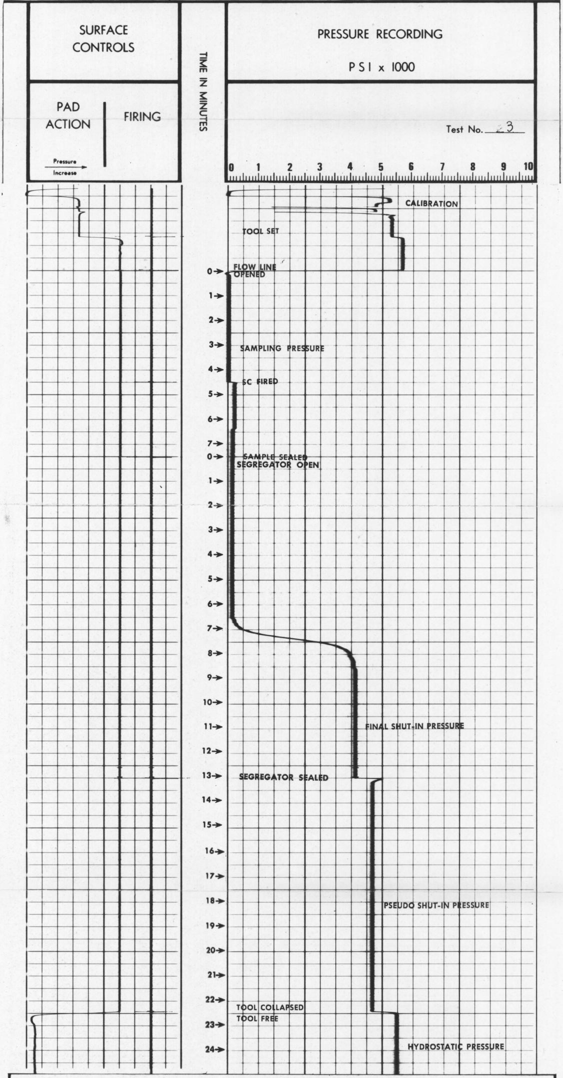
FOLD HERE

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

Run No.	2
Operating rig time	6 HRS
Logging Truck No.	2080
F.T. Truck No.	
F.T. Engineer	J. CHISHOLM
F.T. Operator	L. BROWNE
Location	SAL
REMARKS:	







Test No. 3

FORMATION TESTER RECOVERY DATA

TEST No.	2		**RECOVERY DATA**			**TOOL DATA**		
TEST DEPTH	9842		Gas (Total)	·35	cuft	Type of tool	Combo FIT	
OPEN HOLE TEST	☒		Condensate	—	cc	Type of Sample shot	Hyd TUBE Foll & SC	
CASED HOLE TEST	☐		Oil	—	cc	Sample Unit size	22,000 & 2200	cc
			Water	1,900	cc	Choke size	0·040	
			Mud	—	cc	SEGREGATOR. ONLY SIGNIFICANT.		
			Sand	—	cc			

PRESSURE DATA			**RECOVERY ANALYSIS**			**MUD FILTRATE DATA**		
Initial Shut in	0	psi	Free Gas		cuft	Rmf	·62 @ 68	°F
Shut in Time	0	min	Oil			Equivalent Cl	4,000	ppm
Sampling	14 min FOR SEGREGATOR	psi	API Gravity	@	°F	Rw	@	°F
Sampling Time	6 min Sample CHAMBERS	min	GOR			Equivalent Cl		ppm
Final Shut in	SEG 4380	psi	Water			REMARKS NO Recovery IN MAIN CHAMBER. ALL MEASURMENTS RELATE TO SEGREGATOR.		
Shut in Time	5	min	Rrf (Filtered)	·71 @ 69	°F			
Hydrostatic	5,750	psi	Equivalent Cl	NaCl 8,200	ppm			
Surface Chamber	SEG only. 500	psi	Cl 3280					

FORMATION TESTER RECOVERY DATA

TEST No.	3		**RECOVERY DATA**			**TOOL DATA**		
TEST DEPTH	9578		Gas (Total)	·5	cuft	Type of tool	Combo FIT	
OPEN HOLE TEST	☒		Condensate		cc	Type of Sample shot	Hyd TUBE Foll & SC	
CASED HOLE TEST	☐		Oil		cc	Sample Unit size	22.000 & 2200	cc
			Water	2.200	cc	Choke size	0·040.	
			Mud		cc	SEGREGATOR. only SIGNIFICANT.		
			Sand		cc			

PRESSURE DATA			**RECOVERY ANALYSIS**			**MUD FILTRATE DATA**		
Initial Shut in	—	psi	Free Gas	·5	cuft	Rmf	·62 @ 68	°F
Shut in Time	—	min	Oil			Equivalent Cl	4,000	ppm
Sampling	100	psi	API Gravity	@	°F	Rw	@	°F
Sampling Time	SEGREGATOR 73	min	GOR			Equivalent Cl		ppm
Final Shut in	4150	psi	Water			REMARKS TEMP 248-249 °F. No RECOVERY FROM MAIN CHAMBER. MEASUREMENT RELATE TO SEGREGATOR.		
Shut in Time	6	min	Rrf (Filtered)	·65 @ 67	°F			
Hydrostatic	5,500	psi	Equivalent Cl	3,840	ppm			
Surface Chamber	50	psi						

COMPANY ESSO AUSTRALIA LTD
WELL NARIMBA I
FIELD WILDCAT
COUNTRY AUSTRALIA STATE VICTORIA

SCHLUMBERGER

FORMATION TESTER

C. 70.419 · SEPT. 65 · DH

5 cm

OR-340

343131

ENCLOSURE 19c

Schlumberger

FORMATION TESTER

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

COMPANY ESSO AUSTRALIA LTD
WELL NARIMBA 1
FIELD WILDCAT
COUNTY AUSTRALIA STATE VICTORIA

LOCATION
LAT 40° 16′ 16·153″ S
LONG 145 43′ 53·327 E
Sec. Twp. Rge.

Other Services:
FDC/CNL/GR
ISF/SONIC

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. -253

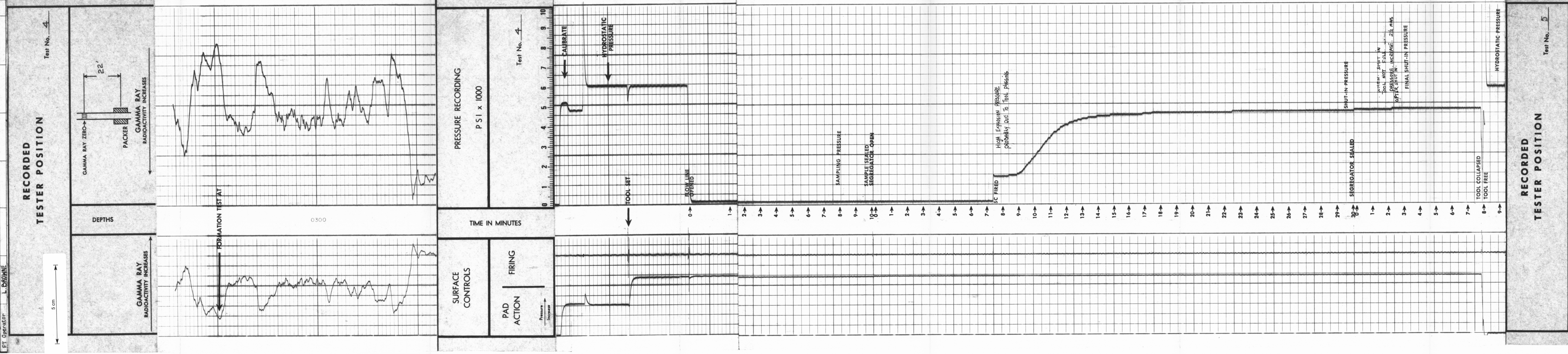
Date	28-9-73			
Run No.	3			
Test No's	4,5			
Depth—Logger	10.402			
Type of Test	OPEN HOLE			
Casing—Driller	9⅝ @ 8808	@	@	@
Casing—Logger	8789			
Bit Size	8½"			
Type Fluid in Hole	LIGNOSULFONATE			
Dens. | Visc.	11·0 | 47			
pH | Fluid Loss	9·8 | 5·2 ml	ml	ml	ml
Source of Sample	FLOWLINE			
R_m @ Meas. Temp.	0·89 @ 67 °F	@ °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	0·62 @ 66 °F	@ °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	1·30 @ 67 °F	@ °F	@ °F	@ °F
Source: R_{mf} | R_{mc}	PRESS			
R_m @ BHT	0·23 @ 262 °F	@ °F	@ °F	@ °F
Time Since Circ.	17 HRS			
Max. Rec. Temp.	266 °F	°F	°F	°F
Equip. | Location	2080 | SAL			
Recorded By	J. CHISHOLM			
Witnessed By	A. SWALBE			

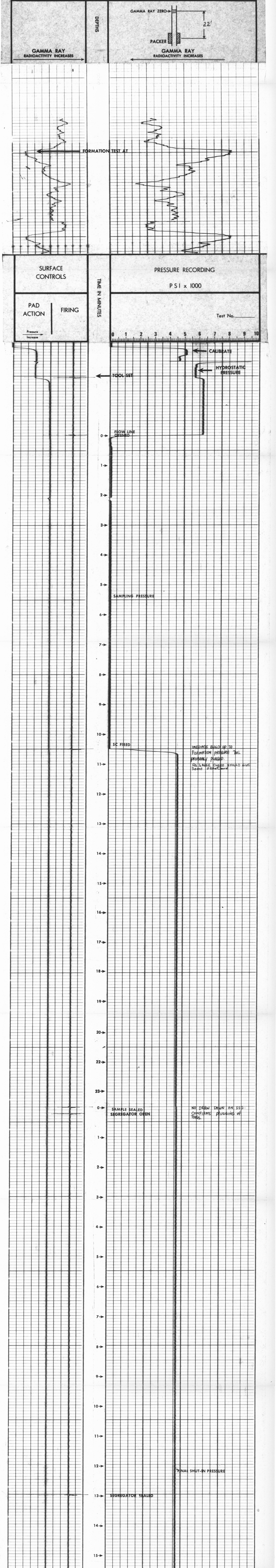
OFFSHORE 26

FOLD HERE

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

Date						
Run No.						
Operating RIG Time						
Unit No	2080					
FT Engineer	J. CHISHOLM					
FT Operator	L. BROWNE					

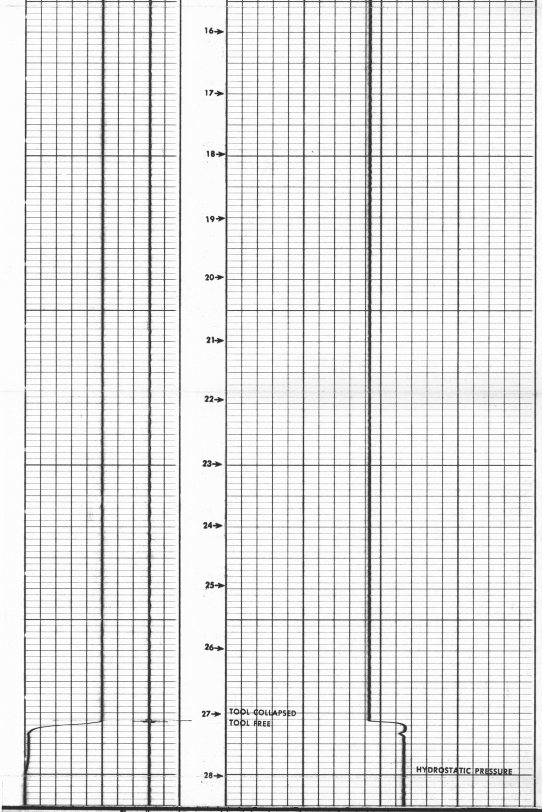




IMEDIATE BUILD UP TO FORMATION PRESSURE TOOL. PROBABLY PLUGGED.

AS LARGE CHOKE SHOULD GIVE SOME DRAWDOWN.

NO DRAW DOWN ON SEG. CONFIRMS PLUGGING of TOOLS.



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

REMARKS TEST# 4. GUN PLUGGED at flowline VALVE AFTER. SC FIRED. AGNEW. PRESSURE GAGE VERIFY'S THIS as CHART SHOWED STATIC BUILD UP. after SC FIRED. AMERADA ONLY SHOWED PARTIAL BUILD UP.

TEST#5 GUN PLUGGED AGAIN WHEN SC FIRED. NO SAMPLE RECOVERED HOWEVER AMERADA GAGES. RECORDED PRESSURES THIS TIME.

FORMATION TESTER RECOVERY DATA

TEST No.	4	
TEST DEPTH	10,251	
OPEN HOLE TEST	☒	
CASED HOLE TEST	☐	

RECOVERY DATA NO RECOVERY.

Gas (Total)		cuft
Condensate		cc
Oil		cc
Water		cc
Mud		cc
Sand	100 cc MUD in MAIN CHAMBER. (from flowline)	cc

TOOL DATA

Type of tool	COMBO FIT	
Type of Sample shot	Hyd TUBE Foll. & SC.	
Sample Unit size	6,200 cc & 2200	cc
Choke size	0·040.	

2¾ GAL SAMPLE CHAMBERS plus SEGREGATOR. No RECOVERY in either. TOOL PLUGGED after SC FIRED.

PRESSURE DATA

Initial Shut in		psi
Shut in Time		min
Sampling	Main CHAMBER & SEG 0	psi
Sampling Time	Main Chm. 10min Seg. 30	min
Final Shut in	4,700	psi
Shut in Time	ON SEG. 8	min
Hydrostatic	5,800	psi
Surface Chamber	—	psi

RECOVERY ANALYSIS

Free Gas		cuft
Oil		
API Gravity	@	°F
GOR		
Water		
Rrf (Filtered)	— @	°F
Equivalent Cl		ppm

MUD FILTRATE DATA

Rmf	·62 @ 66.	°F
Equivalent Cl		ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No.	5	
TEST DEPTH	10,049	
OPEN HOLE TEST	☒	
CASED HOLE TEST	☐	

RECOVERY DATA NO RECOVERY

Gas (Total)		cuft
Condensate		cc
Oil		cc
Water		cc
Mud		cc
Sand	TOOL PLUGGED	cc

TOOL DATA

Type of tool	COMBO FIT	
Type of Sample shot	CONTACT & SC.	
Sample Unit size	6,200 cc & 2200	cc
Choke size	0·040	

NO RECOVERY IN EITHER CHAMBER. TOOL PLUGGED.

PRESSURE DATA

Initial Shut in		psi
Shut in Time		min
Sampling		psi
Sampling Time	23min on Cham. 13 on SEG	min
Final Shut in	4,625	psi
Shut in Time	ON SEGREGATOR 14.	min
Hydrostatic	5,700	psi
Surface Chamber	—	psi

RECOVERY ANALYSIS

Free Gas	—	cuft
Oil		
API Gravity	@	°F
GOR		
Water		
Rrf (Filtered)	@	°F
Equivalent Cl		ppm

MUD FILTRATE DATA

Rmf	·62 @ 66.	°F
Equivalent Cl		ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS

COMPANY	ESSO AUSTRALIA LTD.
WELL	NARIMBA 1.
FIELD	WILDCAT
COUNTRY	AUSTRALIA STATE VICTORIA

SCHLUMBERGER

FORMATION TESTER

419 · SEPT. 65 · DH

ENCLOSURE 19d

343132

OR_340

SCHLUMBERGER FORMATION TESTER

COUNTRY	AUSTRALIA
FIELD	WILDCAT
WELL	NARIMBA 1
COMPANY	ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LTD

WELL NARIMBA 1

FIELD WILDCAT

COUNTRY AUSTRALIA STATE TASMANIA

Location : LAT: 40° 16' 16.153" S
LONG: 145° 43' 53.327" E

Other Services :
FDC/CNL/GR
ISF/SONIC

Ref. No.:

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

Elev.: K.B. 32
D.F. 31
G.L. -253

Date	22 SEPT 1973	25 SEPT 1973
Run No.	ONE	TWO
Test Nos.	1	2, 3
Type of Test	Open Hole ☒ Cased Hole ☐	Open Hole ☒ Cased Hole ☐
Type of Fluid in Hole	LIGNOSULFONATE	LIGNOSULFONATE
Density | Viscosity	10.1 | 43	11.0 | 45
pH | Fluid Loss	9.8 | 4.4	9.8 | 4.8
Source of Sample	FLOWLINE	FLOWLINE
Rm @ Meas. Temp.	1.02 @ 79 °F	0.89 @ 68 °F
Rmf @ Meas. Temp.	0.73 @ 68 °F	0.62 @ 68 °F
Rmc @ Meas. Temp.	1.42 @ 73 °F	1.30 @ 68 °F
Source: Rmf | Rmc	PRESS |	PRESS |
Rm @ BHT	0.36 @ 237 °F	.24 @ 248 °F
Time Since Circ.	4 HRS	9 HRS
Max. Rec. Temp.	226/228 °F	247/248 °F 248/249
Recorded By	J. CHISHOLM	J. CHISHOLM
Witness	J. BLACK	J. BLACK

RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
2	8½	8808	9561	9⁵/8	47	SURF	8808
2	8½	8808	9904	9⁵/8	47	SURF	8808
BARITE		73 LB/BBL					

SCHLUMBERGER FORMATION TESTER

COUNTRY	AUSTRALIA
FIELD	WILDCAT
WELL	NARIMBA 1
COMPANY	ESSO AUSTRALIA

COMPANY ESSO AUSTRALIA LTD

WELL NARIMBA 1

FIELD WILDCAT

COUNTRY AUSTRALIA STATE TASMANIA

Location : LAT: 40° 16' 16.153" S
LONG: 145° 43' 53.327" E

Other Services :
FDC/CNL/GR
ISF/SONIC

Ref. No

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

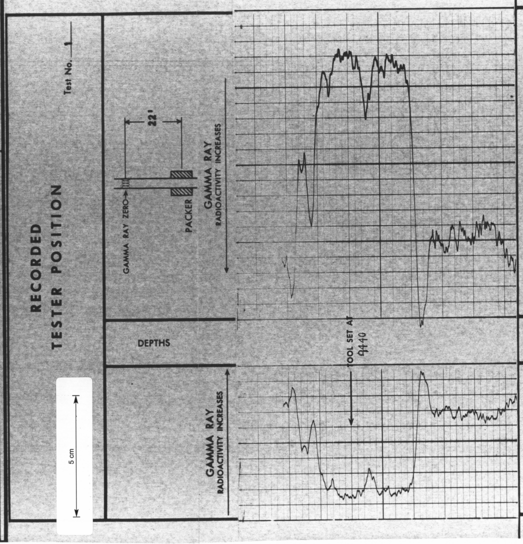
Elev.: K.B. 32
D.F. 31
G.L. -253

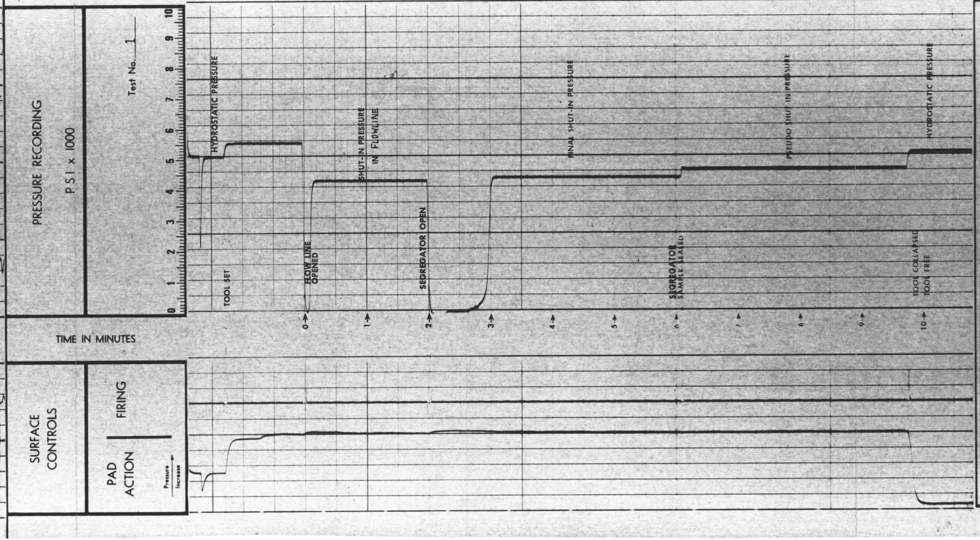
Date	28 SEPT 73	
Run No.	THREE	
Test No's.	4, 5	
Type of Test	Open Hole ☒ Cased Hole ☐	Open Hole ☐ Cased Hole
Type Fluid in Hole	LIGNOSULFONATE	
Density | Viscosity	11.0 | 47	|
pH | Fluid Loss	9.8 | 5.2 ML	|
Source of Sample	FLOWLINE	
Rm @ Meas. Temp.	0.89 @ 67 °F	@ °F
Rmf @ Meas. Temp.	0.62 @ 66 °F	@ °F
Rmc @ Meas. Temp.	1.30 @ 67 °F	@ °F
Source : Rmf | Rmc	PRESS |	|
Rm @ BHT	0.23 @ 262 °F	@ °F
Time Since Circ.	17 HRS	
Max. Rec. Temp.	266 °F	°F
Recorded By	J CHISHOLM	
Witness	A SVALBE	

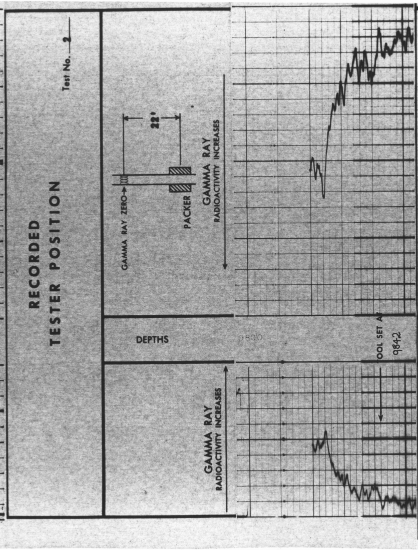
RUN No	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To

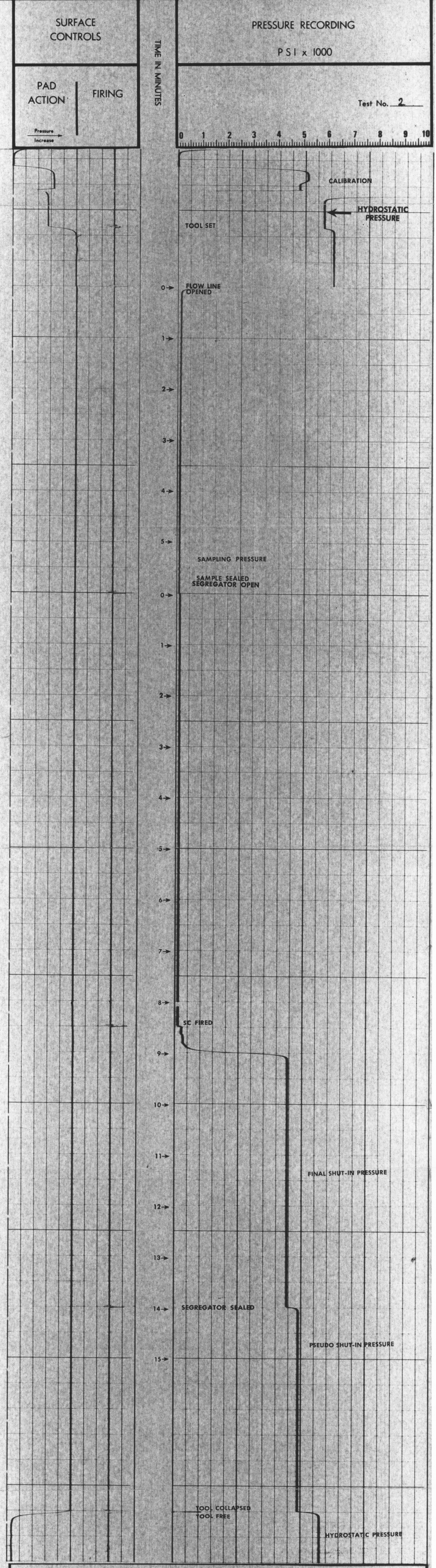
FOLD HERE

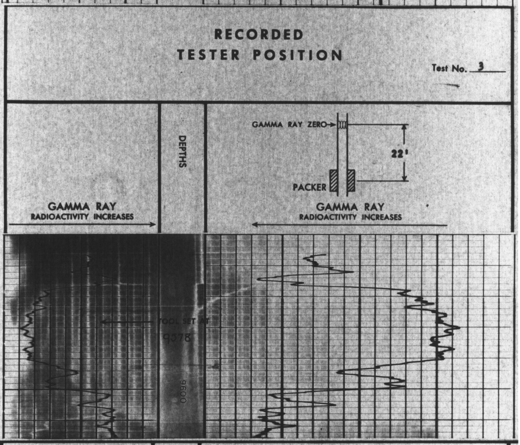
Run No.	ONE	TWO
Operating rig time	3.5 HRS	6 HRS
Logging Truck No	2080	2080
F.T. Truck No.	-	
F.T. Engineer	J. CHISHOLM	J. CHISHOLM
F.T. Operator	SAL	SAL
Location		
REMARKS		

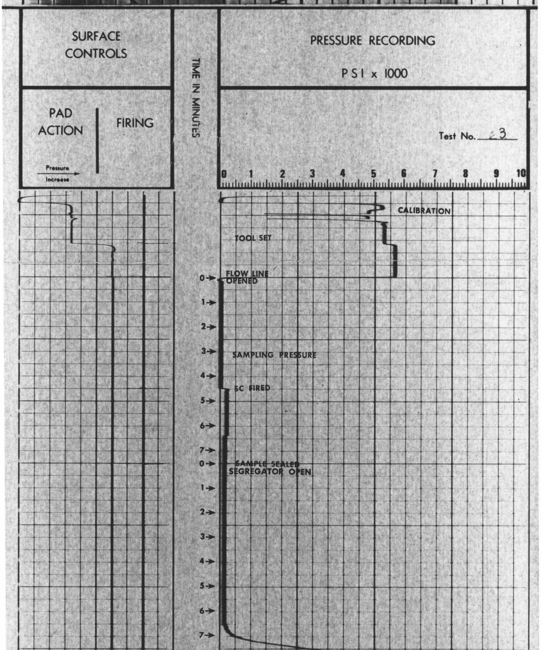


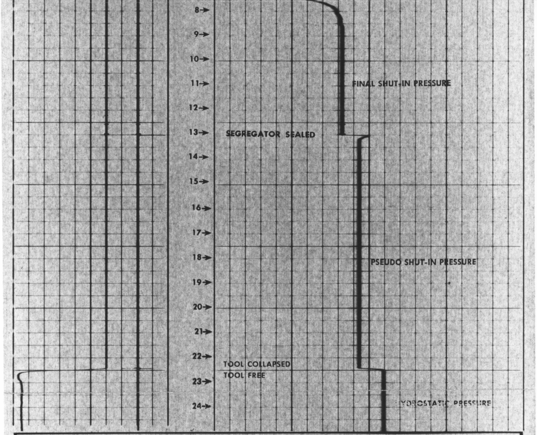


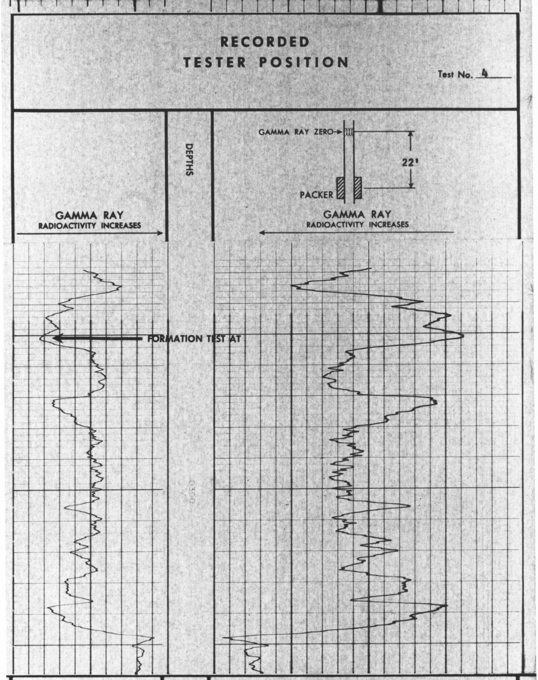


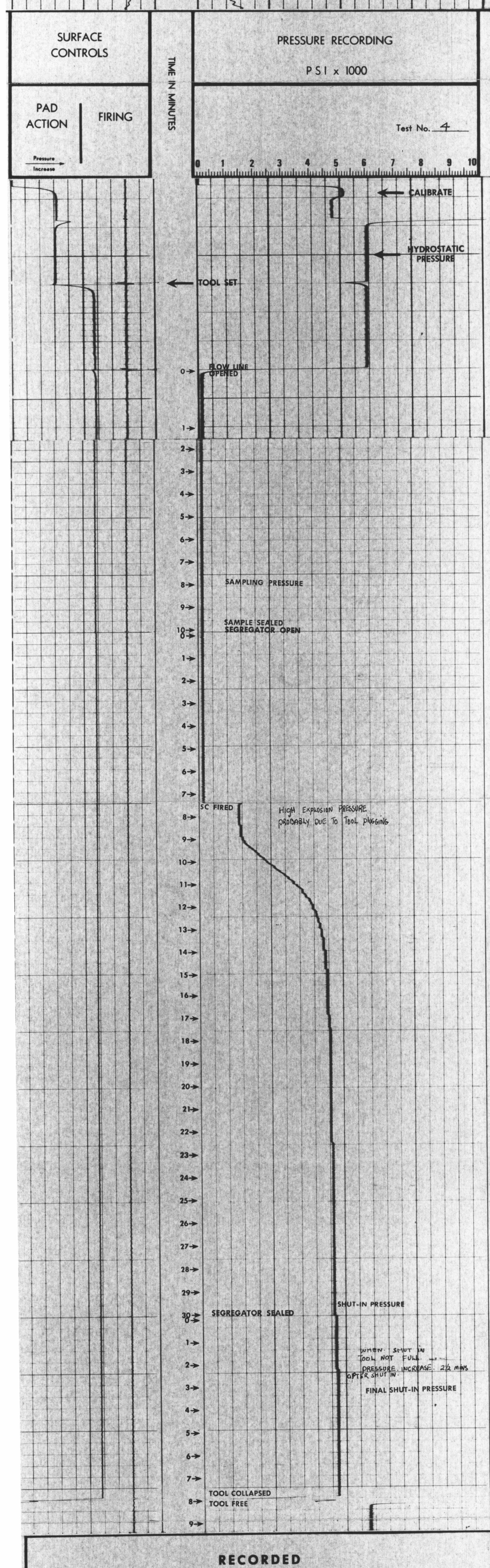






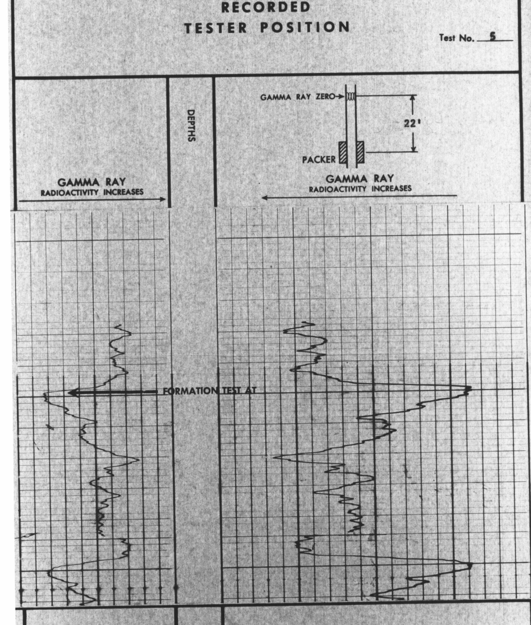


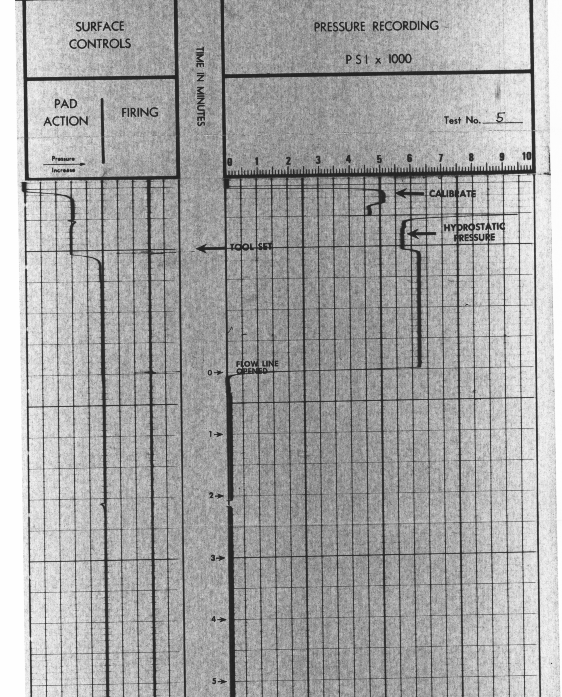


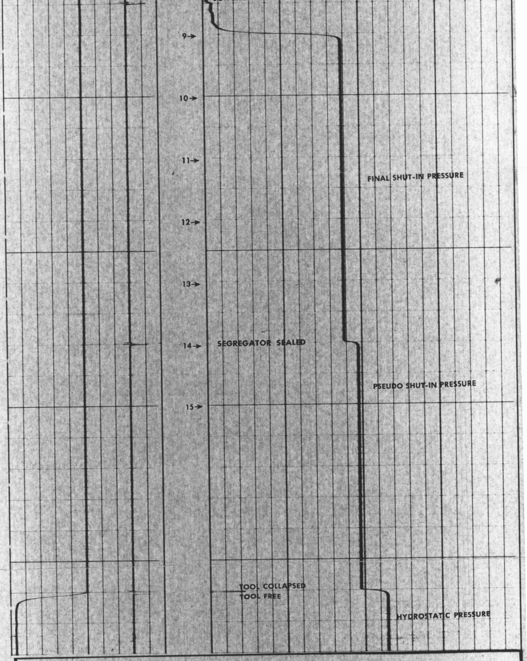


HIGH EXPLOSION PRESSURE
PROBABLY DUE TO TOOL PLUGGING

WHEN SHUT IN
TOOL NOT FULL
PRESSURE INCREASE 2½ MINS
AFTER SHUT IN





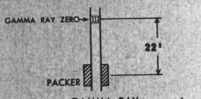


RECORDED TESTER POSITION

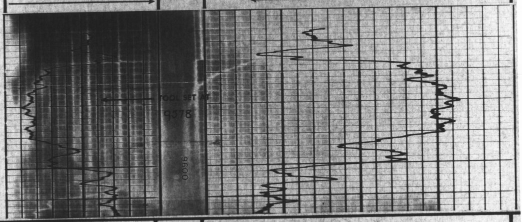
Test No. 3

GAMMA RAY
RADIOACTIVITY INCREASES

DEPTHS



GAMMA RAY
RADIOACTIVITY INCREASES



SURFACE CONTROLS

PAD ACTION

Pressure
Increase

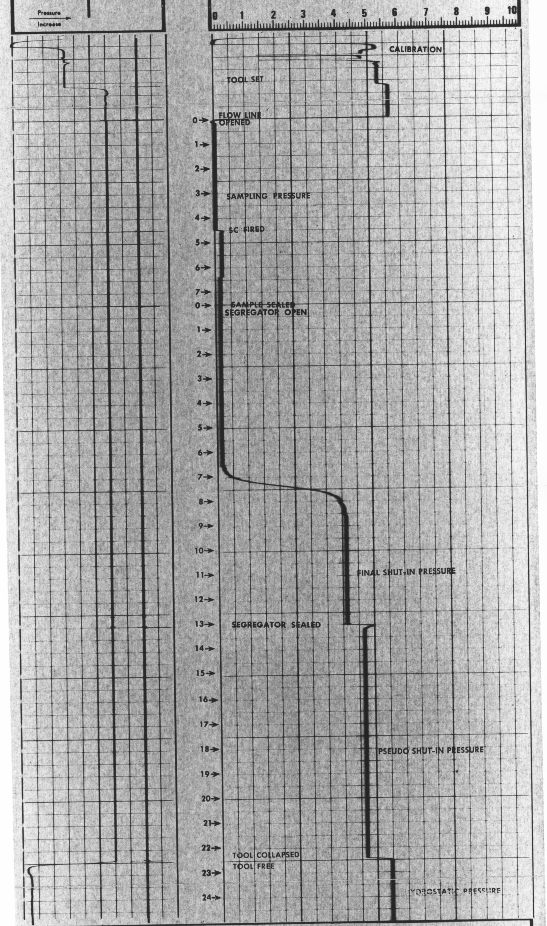
FIRING

TIME IN MINUTES

PRESSURE RECORDING

P S I x 1000

Test No. 3

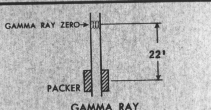


RECORDED TESTER POSITION

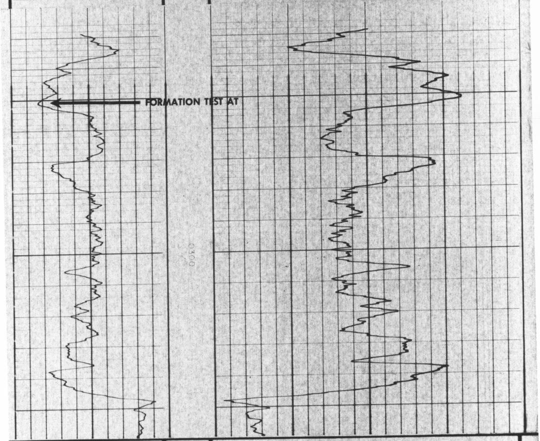
Test No. 4

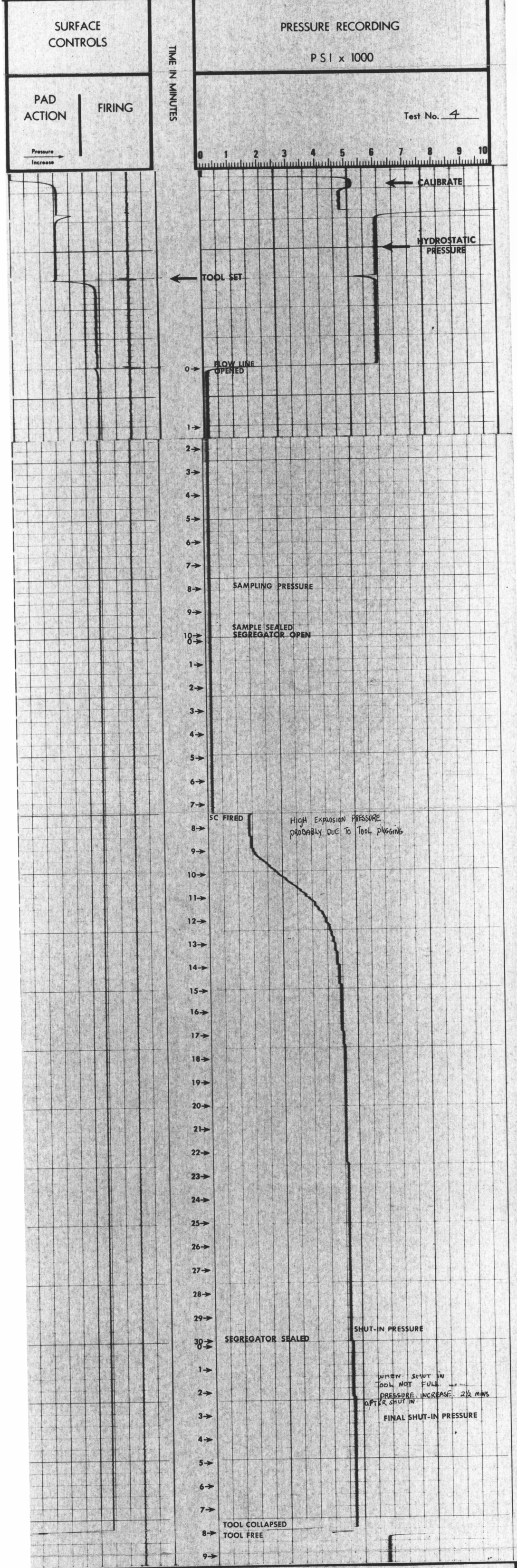
GAMMA RAY
RADIOACTIVITY INCREASES

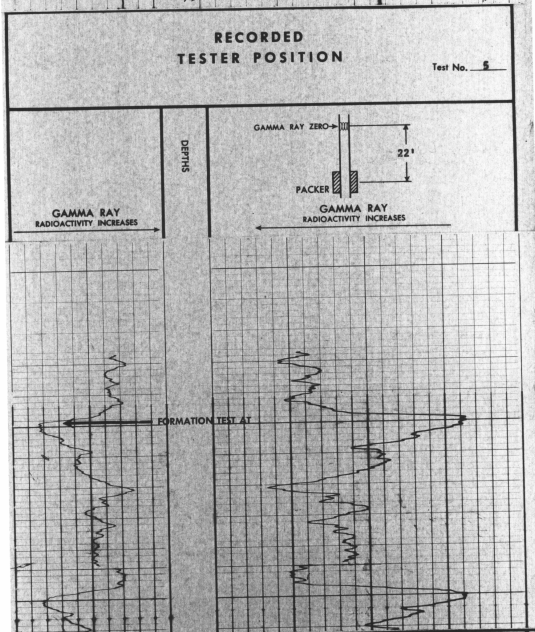
DEPTHS

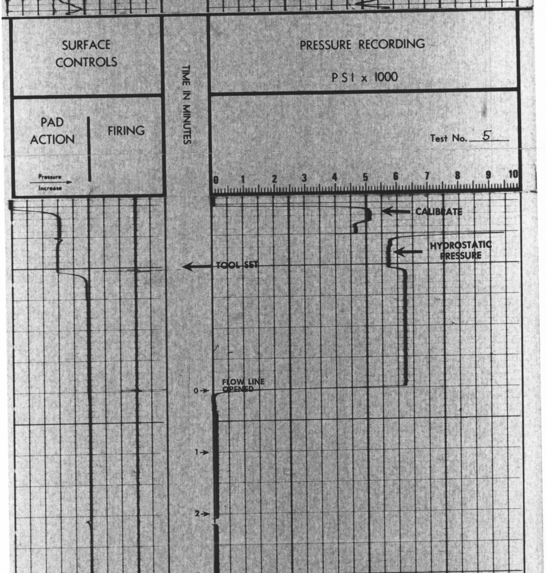


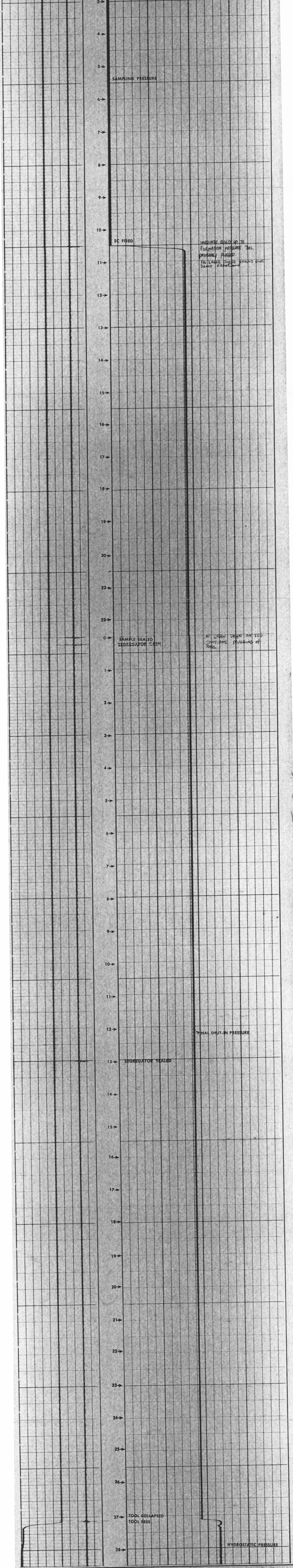
GAMMA RAY
RADIOACTIVITY INCREASES











IMEDIATE BUILD UP TO
FORMATION PRESSURE TOOL.
PROBABLY PLUGGED.
AS LARGE CHOKE SHOULD GIVE
SOME DRAWDOWN

NO DRAW DOWN ON SEG.
CONFIRMS PLUGGING OF
TOOLS.

FORMATION TESTER RECOVERY DATA

TEST No	1
TEST DEPTH	9440
OPEN HOLE TEST	☒
CASED HOLE TEST	☐

RECOVERY DATA SEGREGATOR SAMPLE ONLY.

Gas (Total)	.1	cuft
Condensate	-	cc
Oil	-	cc
Water	2200	cc
Mud	-	cc
Sand	-	cc

TOOL DATA

Type of tool	COMBO-FIT
Type of Sample shot	CONTACT HYD T
Sample Unit size	FOL. 2250 cc
Choke size	-

PRESSURE DATA

Initial Shut in	4250	psi
Shut in Time	2	min
Sampling	NA	psi
Sampling Time		min
Final Shut in	4300	psi
Shut in Time	3	min
Hydrostatic	5075	psi
Surface Chamber		psi

RECOVERY ANALYSIS

Free Gas	.1	cuft
Oil		
API Gravity	@	°F
GOR		
Water		
Rrf (Filtered)	.85 @ 68	°F
Equivalent Cl	7200	ppm

MUD FILTRATE DATA

Rmf	0.73 @ 68	°F
Equivalent Cl	8200	ppm
Rw	@	°F
Equivalent Cl		ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No 2

TEST DEPTH 9842

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) .35 cuft
Condensate - cc
Oil - cc
Water 1900 cc
Mud - cc
Sand - cc

TOOL DATA

Type of tool COMBO FIT
Type of Sample shot HYD TUBE FOLL&
Sample Unit size 22000&2200 cc
Choke size 0.040
SEGREGATOR ONLY SIGNIFICANT

PRESSURE DATA

Initial Shut in 0 psi
Shut in Time 0 min
Sampling 14MIN FOR SEGREG. psi
Sampling Time 6MIN SAMPLE CHAMB min
Final Shut in SEG 4380 psi
Shut in Time 5 min
Hydrostatic 5750 psi
Surface Chamber SEG ONLY 500 psi

RECOVERY ANALYSIS

Free Gas cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) .71 @ 69 °F
Equivalent Cl NACL 8200 ppm
CL 3280

MUD FILTRATE DATA

Rmf .62 @ 68 °F
Equivalent Cl 4000 ppm

Rw @ °F
Equivalent Cl ppm

REMARKS NO RECOVERY IN MAIN CHAMBER. ALL MEASUREMENTS RELATE TO SEGREGATOR.

FORMATION TESTER RECOVERY DATA

TEST No 3

TEST DEPTH 9578

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA

Gas (Total) .5 cuft
Condensate cc
Oil cc
Water 2200 cc
Mud cc
Sand cc

TOOL DATA

Type of tool COMBO FIT
Type of Sample shot HYD TUBE FOLL &
Sample Unit size 22000 & 2200 cc
Choke size 0.040
SEGREGATOR ONLY SIGNIFICANT

PRESSURE DATA

Initial Shut in - psi
Shut in Time - min
Sampling 100 psi
Sampling Time 73 min
Final Shut in 4150 psi
Shut in Time 6 min
Hydrostatic 5500 psi
Surface Chamber 50 psi

RECOVERY ANALYSIS

Free Gas .5 cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) .65 @ 67 °F
Equivalent Cl 3840 ppm

MUD FILTRATE DATA

Rmf .62 @ 68 °F
Equivalent Cl 4000 ppm

Rw @ °F
Equivalent Cl ppm

REMARKS TEMP 248 - 249°F NO RECOVERY FROM MAIN CHAMBE MEASUREMENT RELATE TO SEGRE.

FORMATION TESTER RECOVERY DATA

TEST No 4

TEST DEPTH 10251

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA NO RECOVERY

Gas (Total) cuft
Condensate cc
Oil cc
Water cc
Mud cc
Sand 100CC MUD IN MAIN cc
(FROM FLOWLINE) CHAMBER

TOOL DATA

Type of tool COMBO FIT
Type of Sample shot HYD TUBE FOLL &
Sample Unit size 5200 & 2200 cc
Choke size 0.040
2¾ GAL SAMPLE CHAMBERS PLUS SEGRATOR. NO RECOVERY IN EITH TOOL PLUGGED AFTER SC FIRED.

PRESSURE DATA

Initial Shut in psi
Shut in Time min
Sampling MAIN CHAMBER & SEG 0 psi
Sampling Time MAIN 10, SEG30 min
Final Shut in 4700 psi
Shut in Time ON SEG 8 min
Hydrostatic 5800 psi
Surface Chamber - psi

RECOVERY ANALYSIS

Free Gas cuft
Oil
API Gravity @ °F
GOR
Water
Rrf (Filtered) - @ °F
Equivalent Cl ppm

MUD FILTRATE DATA

Rmf .62 @ 66 °F
Equivalent Cl ppm

Rw @ °F
Equivalent Cl ppm

REMARKS

FORMATION TESTER RECOVERY DATA

TEST No 5

TEST DEPTH 10049

OPEN HOLE TEST ☒

CASED HOLE TEST ☐

RECOVERY DATA NO RECOVERY

Gas (Total) cuft
Condensate cc
Oil cc
Water cc
Mud cc
Sand TOOL PLUGGED cc

TOOL DATA

Type of tool COMBO FIT
Type of Sample shot CONTACT & SC
Sample Unit size 6200 & 2200 cc
Choke size 0.040
NO RECOVERY IN EITHER CHAMBER TOOL PLUGGED.

PRESSURE DATA

Initial Shut in psi
Shut in Time min
Sampling psi
Sampling Time CHAM23, SEG13 min
Final Shut in 4625 psi
Shut in Time ON SEG 14 min
Hydrostatic 5700 psi
Surface Chamber psi

RECOVERY ANALYSIS

Free Gas - cuft
Oil
API Gravity - @ °F
GOR
Water
Rrf (Filtered) - @ °F
Equivalent Cl - ppm

MUD FILTRATE DATA

Rmf .62 @ 66 °F
Equivalent Cl ppm

Rw @ °F
Equivalent Cl ppm

REMARKS

COMPANY ESSO AUSTRALIA LTD
WELL NARIMBA 1
FIELD WILDCAT
COUNTRY AUSTRALIA STATE TASMANIA

SCHLUMBERGER

FORMATION TESTER

C. 70.419 - SEPT. 65 - DH

5 cm

343133

OR.340

ENCLOSURE 20

AMOCO PRODUCTION COMPANY

ESSO
DATE=07/21/86

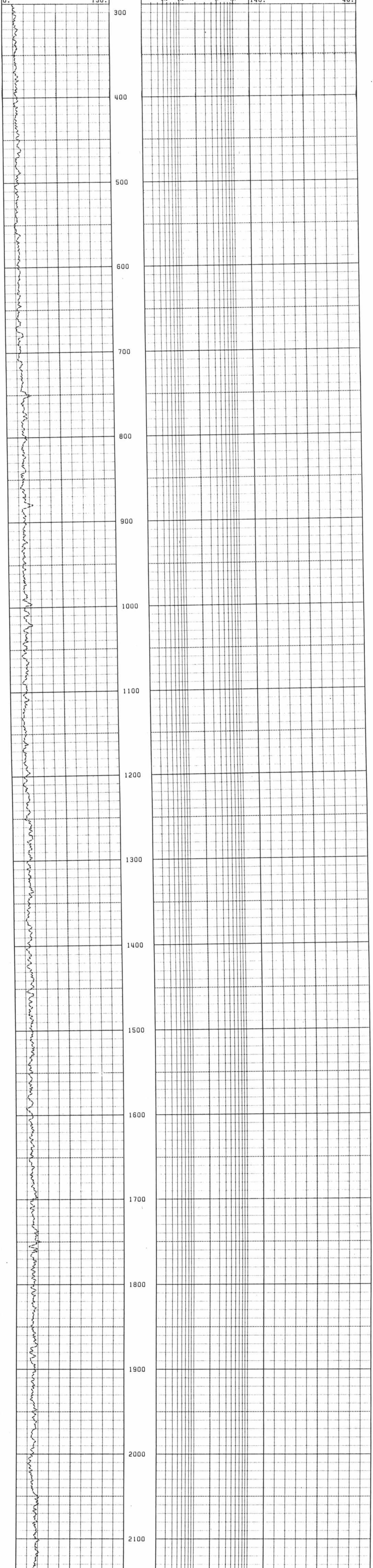
NARIMBA 1

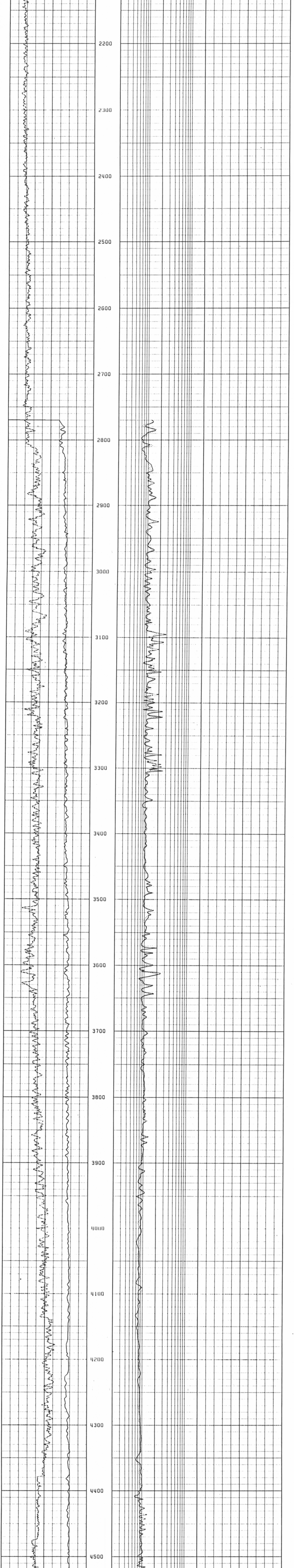
Z00108

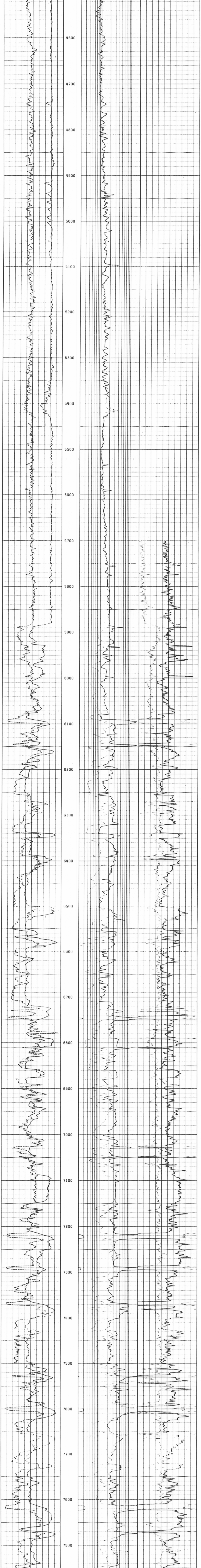
Composite Log

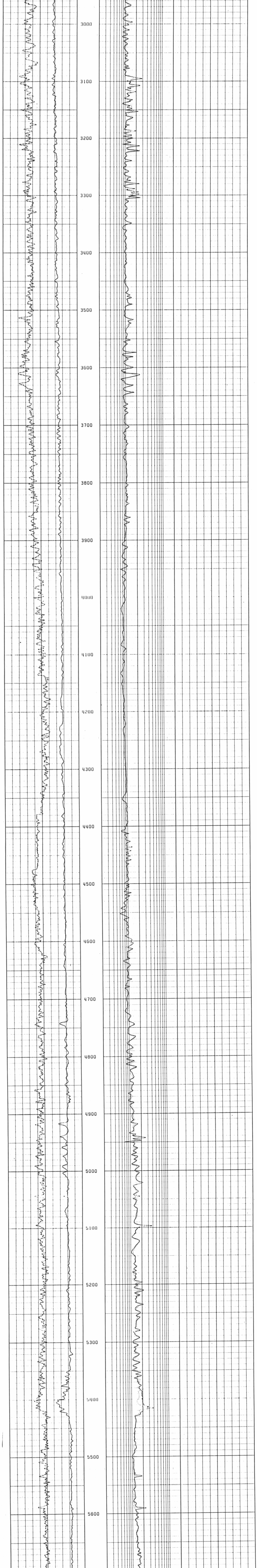
5 cm

		NCNPLC SC: PERCNT 45. -15.
XXSPOC SC: M VOLT -150. 0.	XXSFOC SC: OHMS 0.2 0.5 1.0 5. 10. 20.0	DNDNOC SC: GM/CC 1.85 2.85
DNGROC SC: API 0. 150.	XXIDOC SC: OHMS 0.2 0.5 1.0 5. 10. 20.0	ACTCOC SC: M SECS 140. 40.





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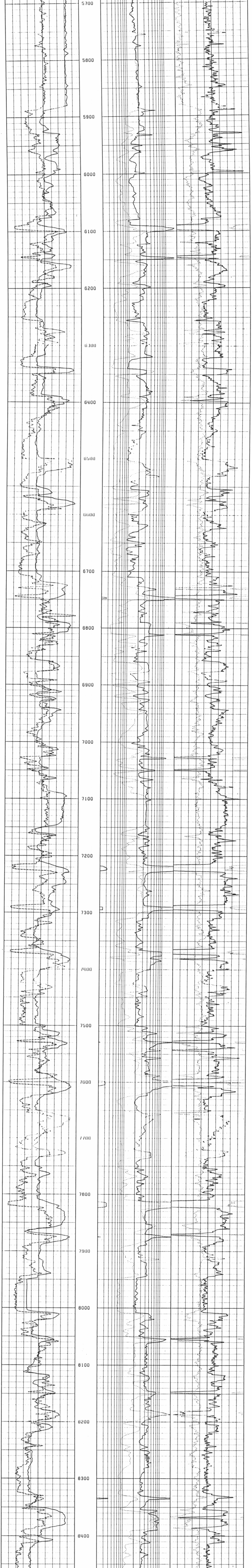
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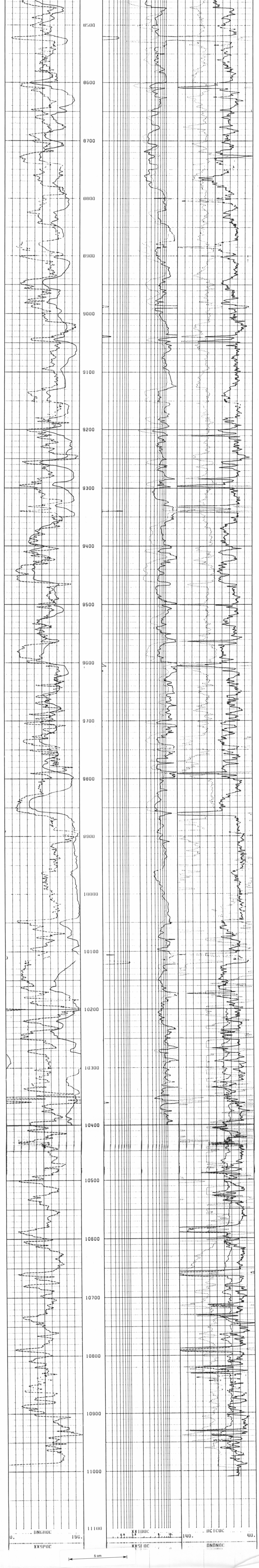
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XXSPOC
XX1DOC
XXSFOC
DCTCOC
140.
40.
DNDNOC
5 cm