

COMPANY Crystal River Oil

WELL Jones D #7

FIELD Atoka

County Eddy State New Mexico

SchlumbergerPlatform Express
Hi-Res Laterolog Array
Micro-CFL / GR

County: Eddy Field: Atoka Location: 1650' FNL & 330' FEL Well: Jones D #7 Company: Crystal River Oil	LOCATION	1650' FNL & 330' FEL		Elev.: K.B. 3617 ft G.L. 3610 ft D.F. 3616 ft	
		Permanent Datum: GROUND LEVEL		Elev.: 3610 ft	
		Log Measured From: KELLY BUSHING		7.0 ft above Perm. Datum	
		Drilling Measured From: KELLY BUSHING			
API Serial No. 30-015-40306		Section 13	Township 18S	Range 26E	
Logging Date		13-Jun-2012			
Run Number		1			
Depth Driller		1910 ft			
Schlumberger Depth		1915 ft			
Bottom Log Interval		1912 ft			
Top Log Interval		436 ft			
Casing Driller Size @ Depth		8.625 in @ 425 ft			
Casing Schlumberger		436 ft			
Bit Size		7.875 in			
Type Fluid In Hole		Cut Brine			
Density	Viscosity	9.8 lbm/gal	28 s		
Fluid Loss	PH	0 cm3	10		
Source Of Sample		Mud Pit			
RM @ Measured Temperature		0.045 ohm.m @ 89 degF		@	
RMF @ Measured Temperature		0.032 ohm.m @ 89 degF		@	
RMC @ Measured Temperature		@		@	
Source RMF	RMC	Calculated			
RM @ MRT	RMF @ MRT	0.043 @ 94	0.030 @ 94	@	@
Maximum Recorded Temperatures		94 degF			
Circulation Stopped	Time	13-Jun-2012 17:00			
Logger On Bottom	Time	13-Jun-2012 21:55			
Unit Number	Location	2357	Roswell		
Recorded By		Rachel Gallagher			
Witnessed By		Liz Kramer			

NMCD ARTESIA

APR 24 2014

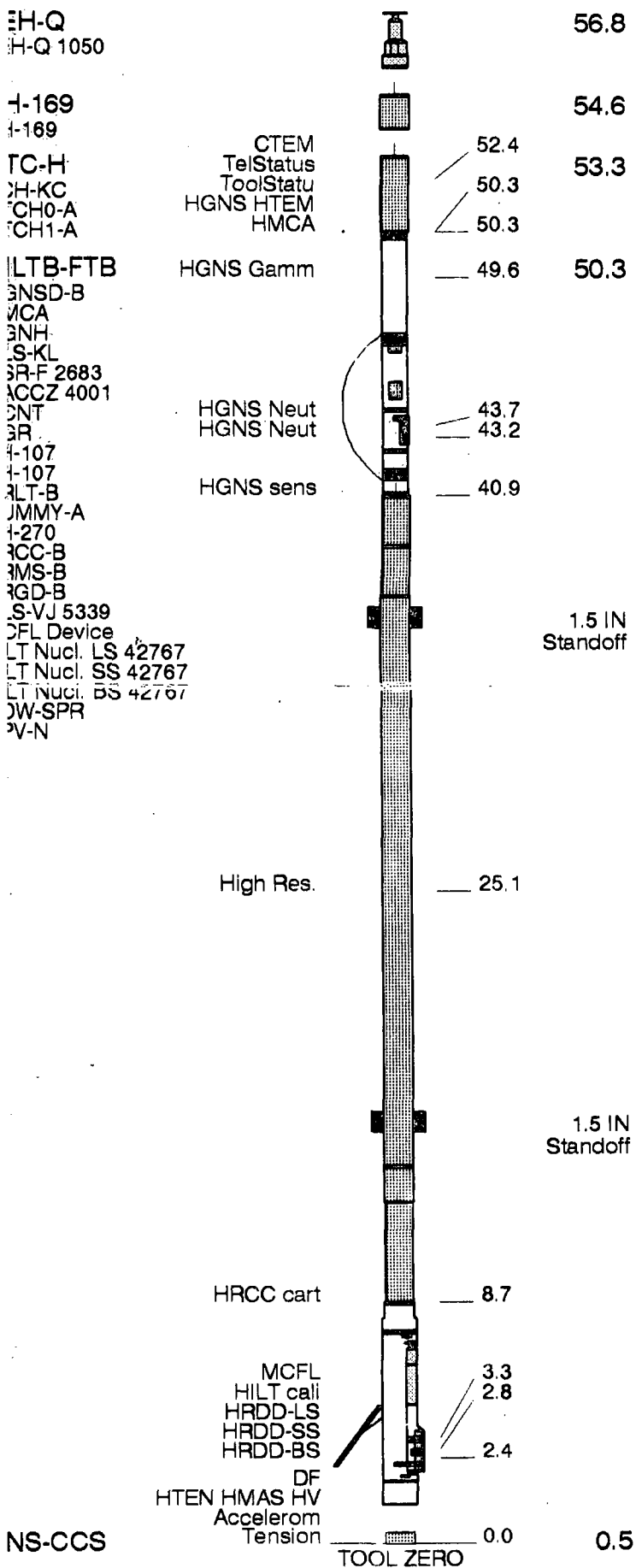
RECEIVED

SURFACE EQUIPMENT

WITM (DTS)-A

SR-U/Y 95
DT-B
JB-AB
DS-VB

DOWNHOLE EQUIPMENT



MAXIMUM STRING DIAMETER 6.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN FEET

NS-CCS

0.5

DEPTH SUMMARY LISTING

Date Created: 13-JUN-2012 22:45:40

Depth System Equipment

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-BA	Type:	CMTD-B/A	Type:	7-46P XS
Serial Number:	6413	Serial Number:	2927	Serial Number:	711084
Calibration Date:	3-May-2012	Calibration Date:	6-Jun-2012	Length:	23270 FT
Calibrator Serial Number:	33	Calibrator Serial Number:	80722	Conveyance Method: Wireline Rig Type: LAND	
Calibration Cable Type:	7-46P	Number of Calibration Points:	10		
Heel Correction 1:	-9	Calibration RMS:	21		
Heel Correction 2:	-8	Calibration Peak Error:	36		

Depth Control Parameters

Log Sequence:	First Log In the Well
Log Up Length At Surface:	87.70 FT
Log Up Length At Bottom:	187.40 FT
Log Up Length Correction:	-99.70 FT
Stretch Correction:	1.00 FT
Tool Zero Check At Surface:	0.70 FT

Depth Control Remarks

IDW used as Primary Depth Control
Primary Depth Control Procedures Followed
Z-Chart used as Secondary Depth Control
Secondary Depth Control Procedures Followed

Output DLIS Files

FAULT

TLD_MCFL_CNL_011LUP

FN:15

PRODUCER

13-Jun-2012 22:01

B

TLD_MCFL_CNL_011LUP

FN:16

PRODUCER

13-Jun-2012 22:01

OP System Version: 19C0-187

TB-FTB

19C0-187

DTC-H

19C0-187

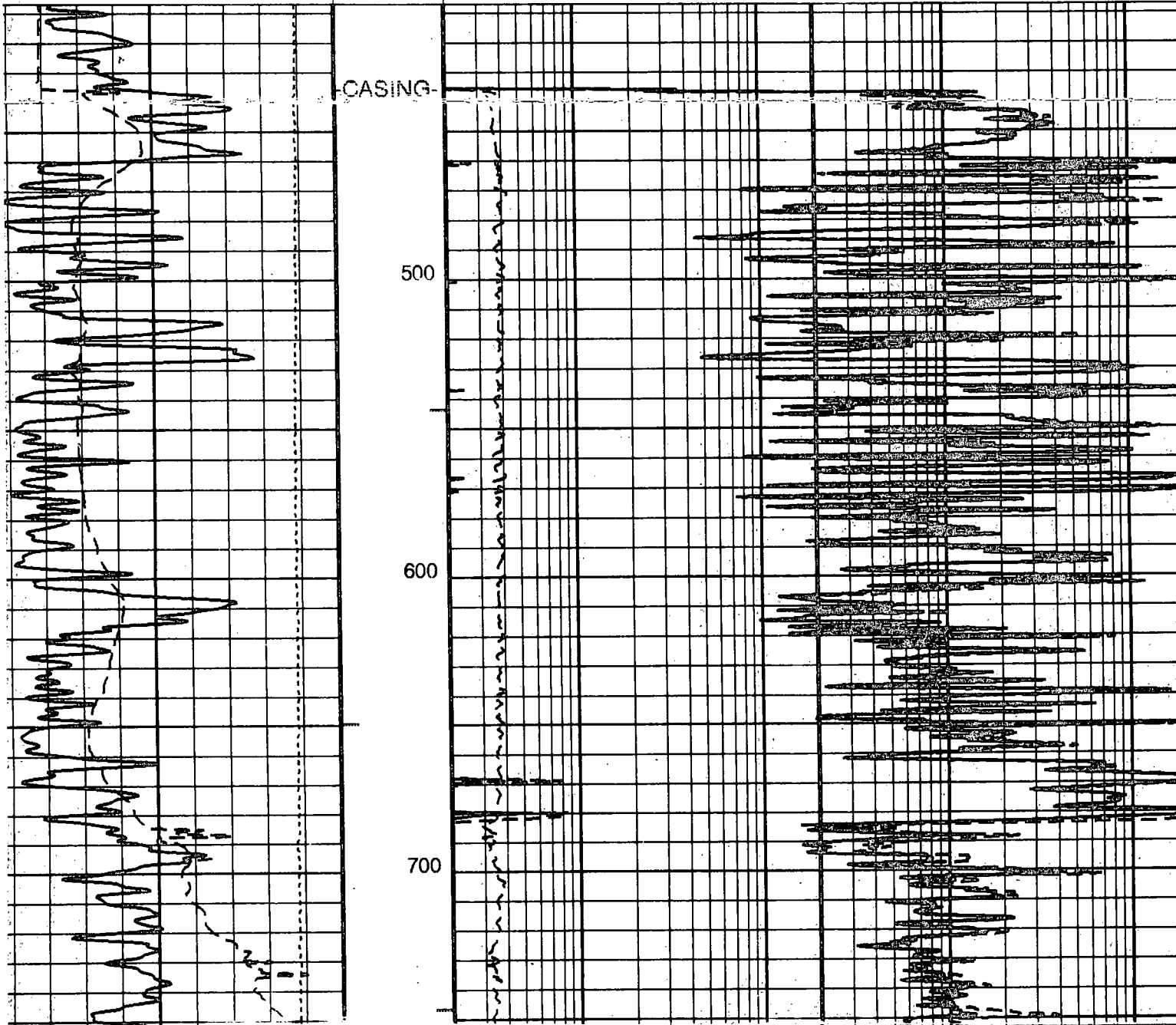
PIP SUMMARY

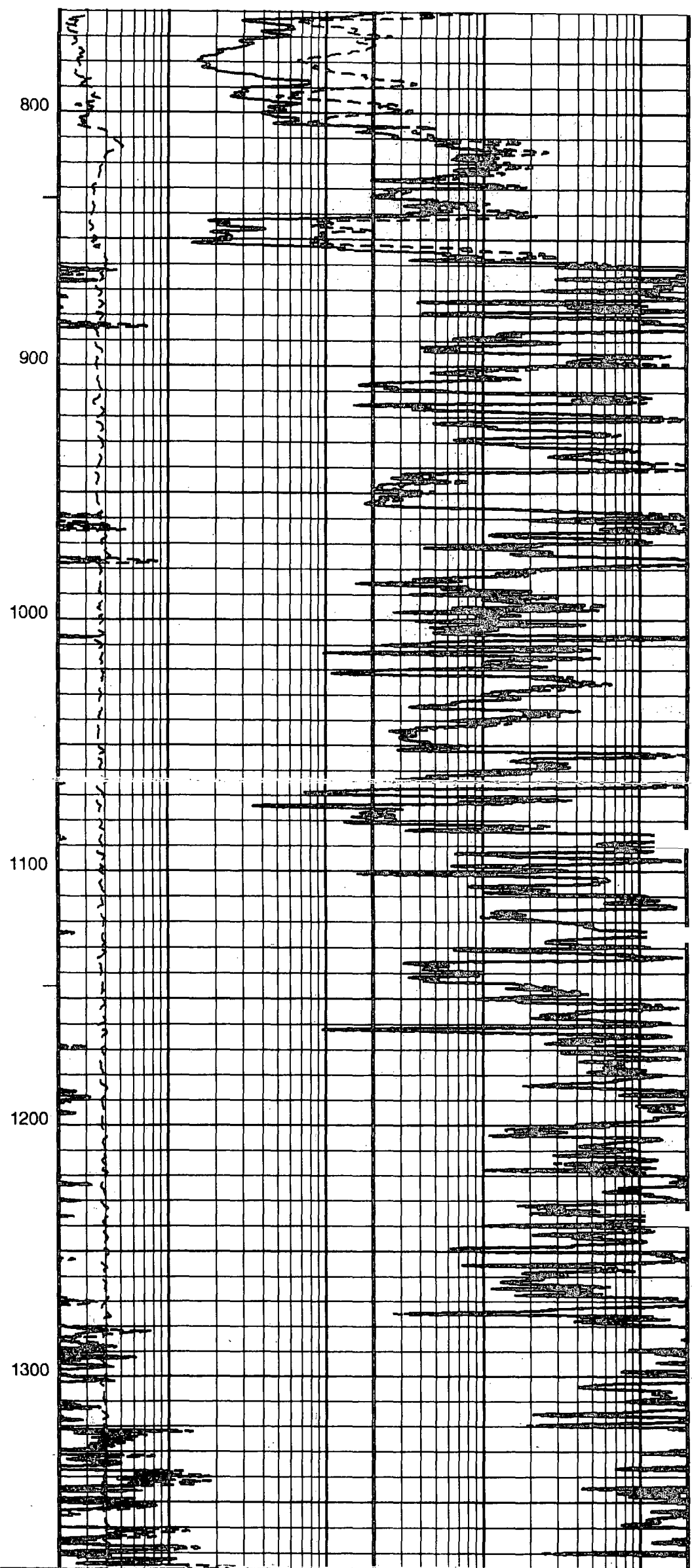
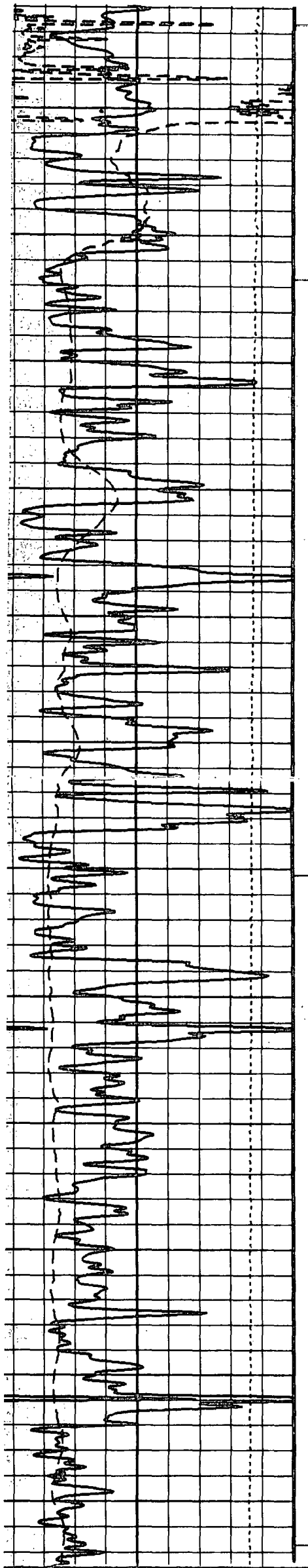
MAIN PASS 2' = 100

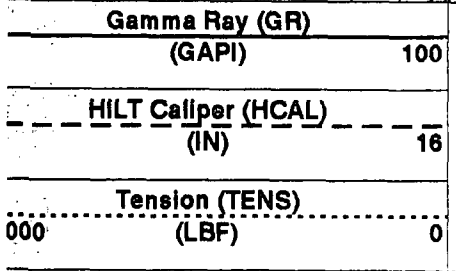
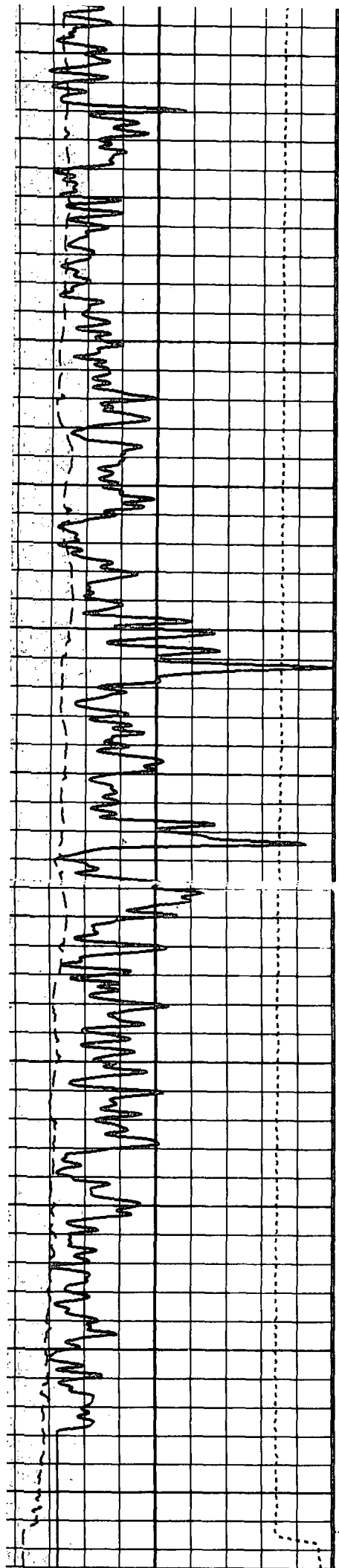
- Integrated Hole Volume Major Pip Every 100 F3
- Integrated Cement Volume Major Pip Every 100 F3

Time Mark Every 60 S

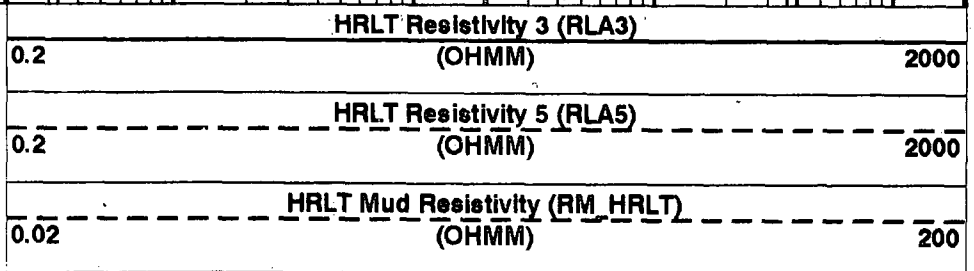
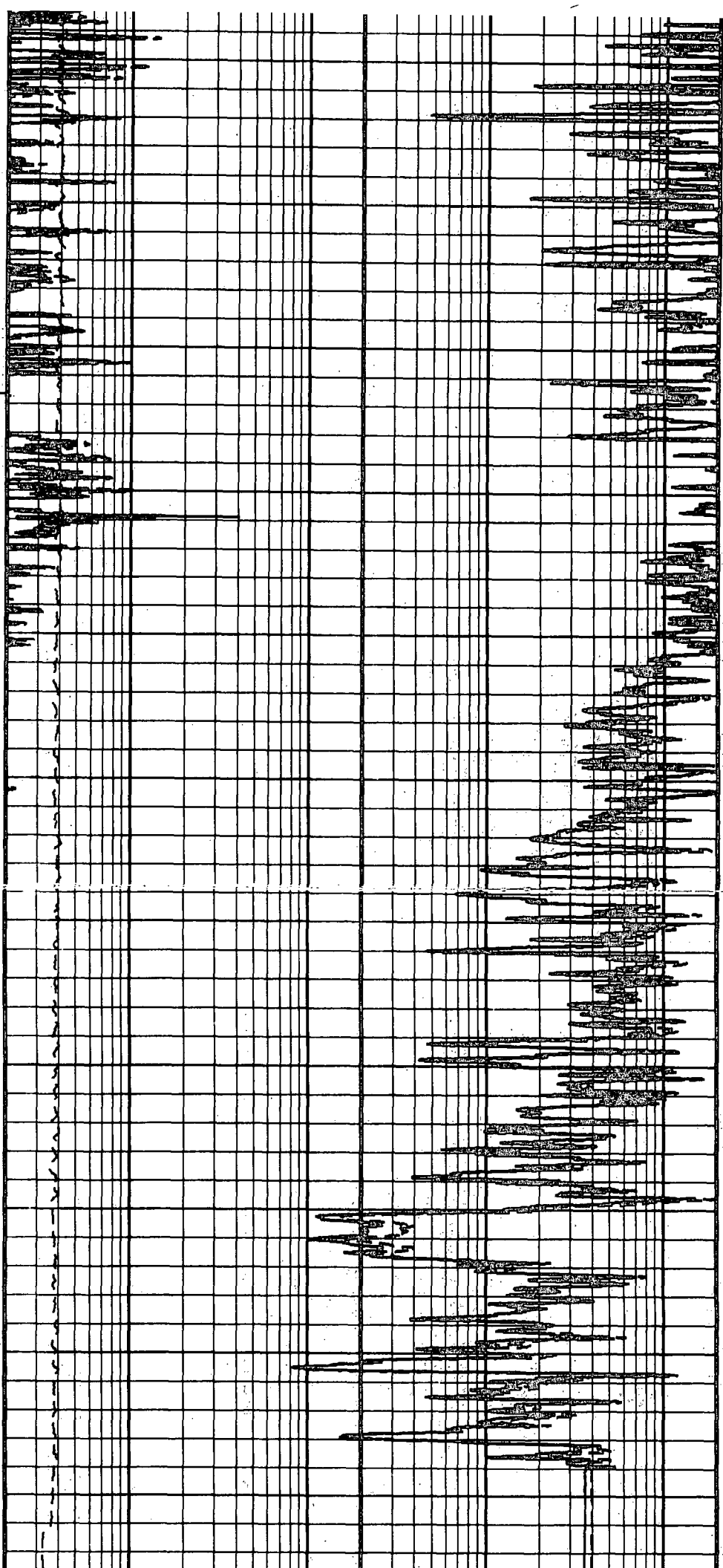
Tension (TENS) (LBF)		00	0
HILT Calliper (HCAL) (IN)		16	16
Gamma Ray (GR) (GAPI)		100	100
HRLT Mud Resistivity (RM_HRLT) (OHMM)		0.02	200
HRLT Resistivity 5 (RLA5) (OHMM)		0.2	2000
HRLT Resistivity 3 (RLA3) (OHMM)		0.2	2000







1400
1500
1600
1700
1800
1900
TD



Time Mark Every 60 S

Integrated Hole Volume Major Pip Every 100 F3
Integrated Cement Volume Major Pip Every 100 F3

Vertical Scale: 2" per 100'

Graphics File Created: 13-Jun-2012 22:01

OP System Version: 19C0-187

19C0-187

DTC-H

19C0-187

Output DLIS Files

FAULT

TLD_MCFL_CNL_011LUP

FN:15

PRODUCER

13-Jun-2012 22:01

B

TLD_MCFL_CNL_011LUP

FN:16

PRODUCER

13-Jun-2012 22:01

Company: Crystal River Oil

Well: Jones D #7

Output DLIS Files

FAULT

TLD_MCFL_CNL_011LUP

FN:15

PRODUCER

13-Jun-2012 22:01

B

TLD_MCFL_CNL_011LUP

FN:16

PRODUCER

13-Jun-2012 22:01

OP System Version: 19C0-187

19C0-187

DTC-H

19C0-187

Changed Parameter Summary

DLIS Name

New Value

Previous Value

Depth & Time

FD

1915 FT

1910 FT

1887.5 22:04:12

FDL

1915.00 FT

1910.00 FT

1884.3 22:04:15

PIP SUMMARY

Integrated Hole Volume Minor Pip Every 10 F3

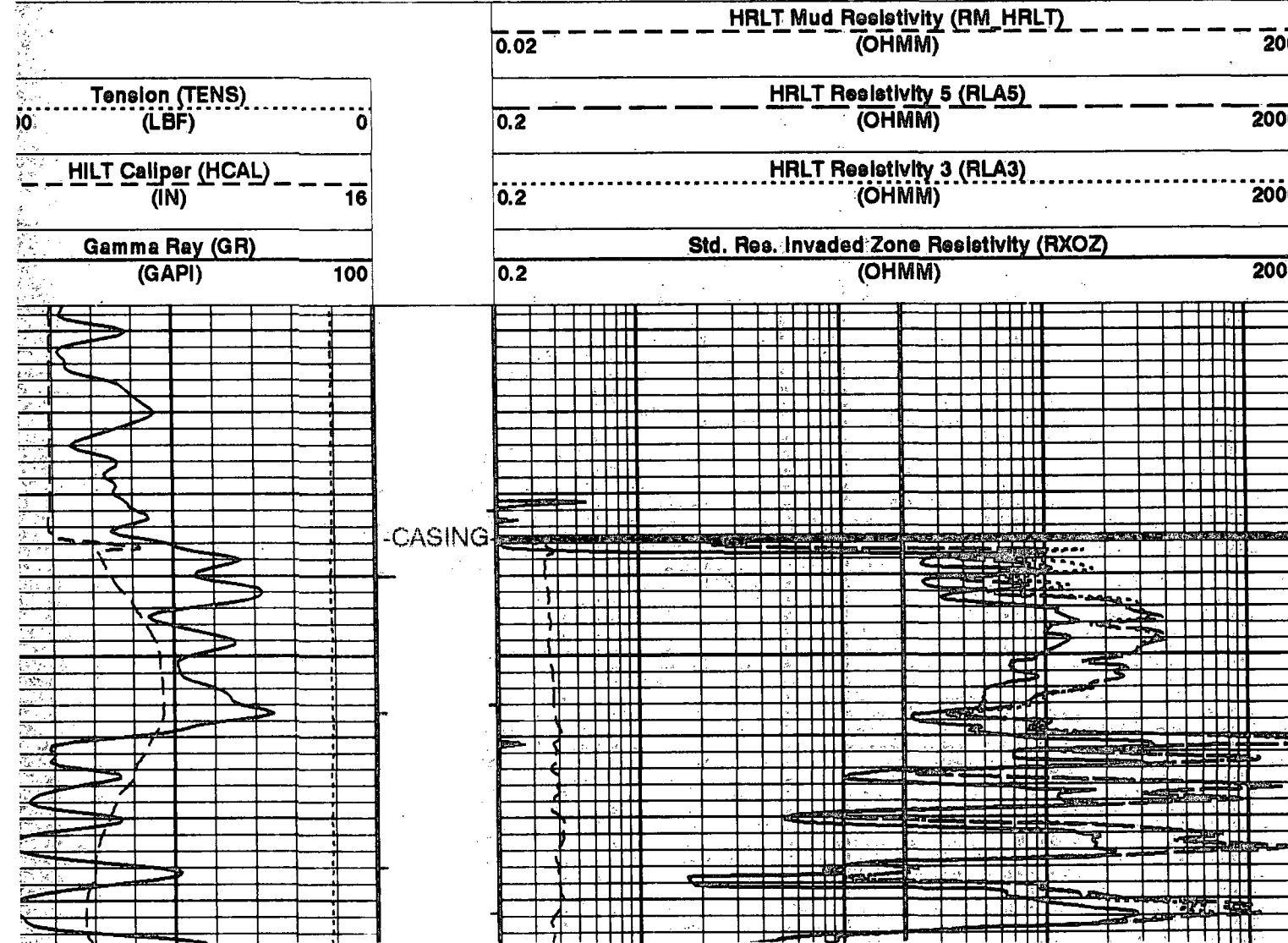
Integrated Hole Volume Major Pip Every 100 F3

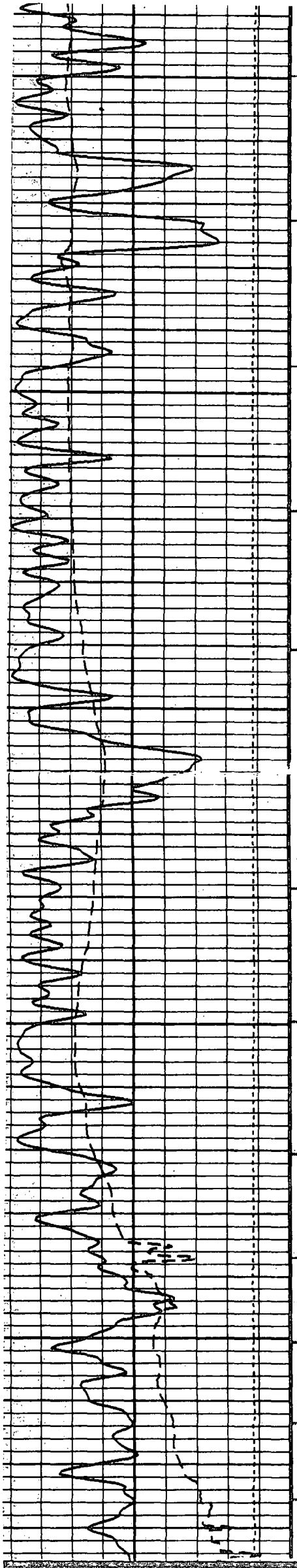
Integrated Cement Volume Minor Pip Every 10 F3

Integrated Cement Volume Major Pip Every 100 F3

MAIN PASS 5" - 100'

Time Mark Every 60 S

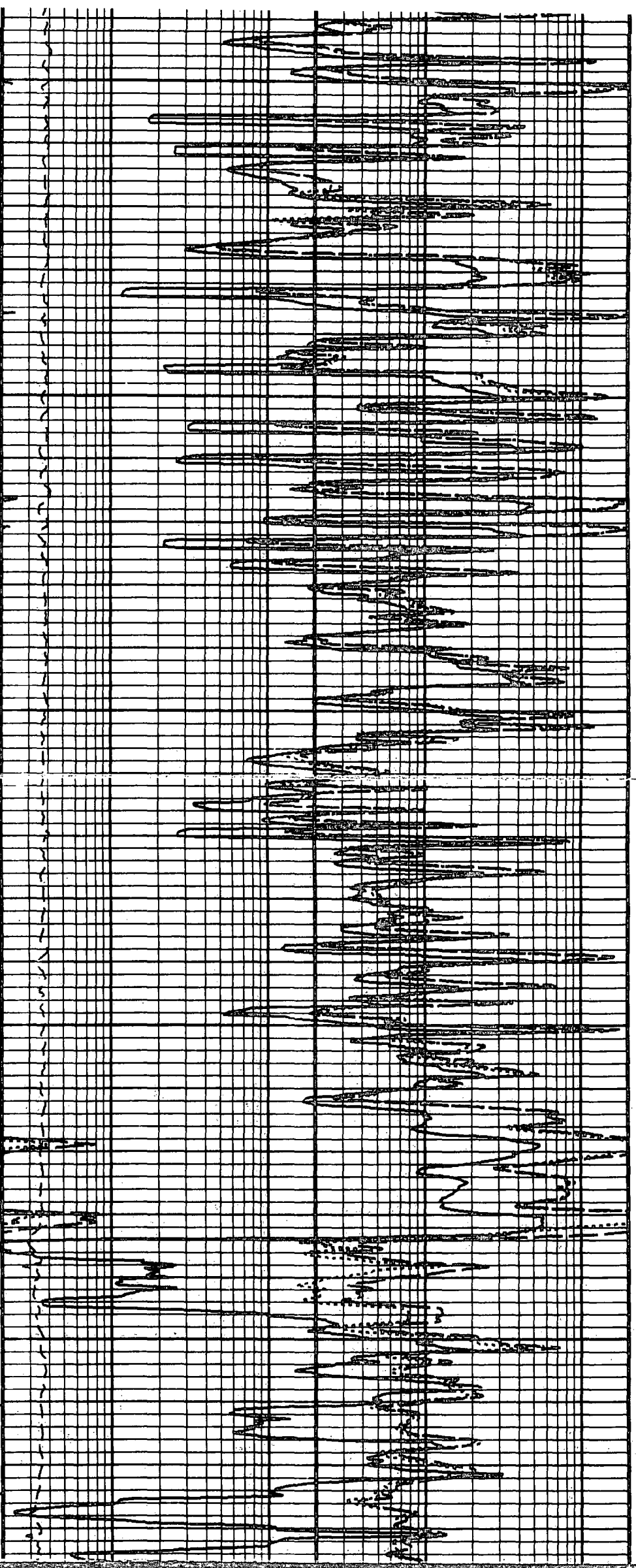


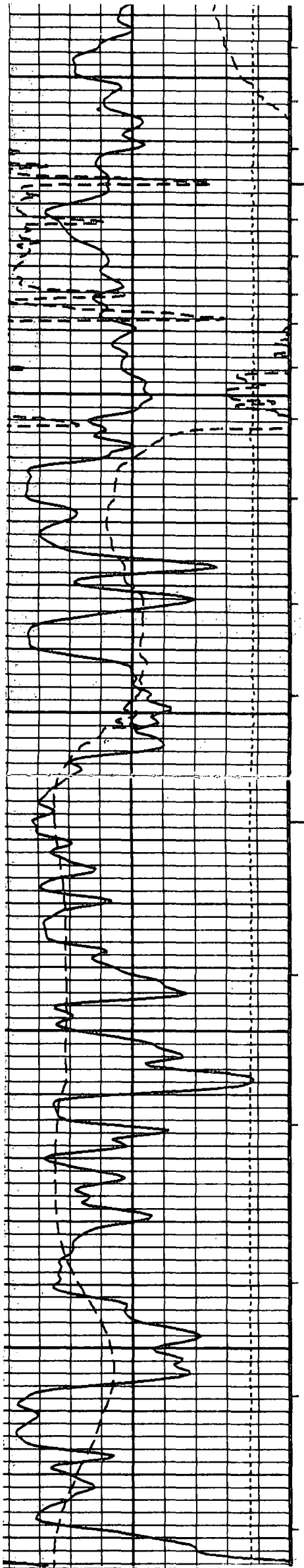


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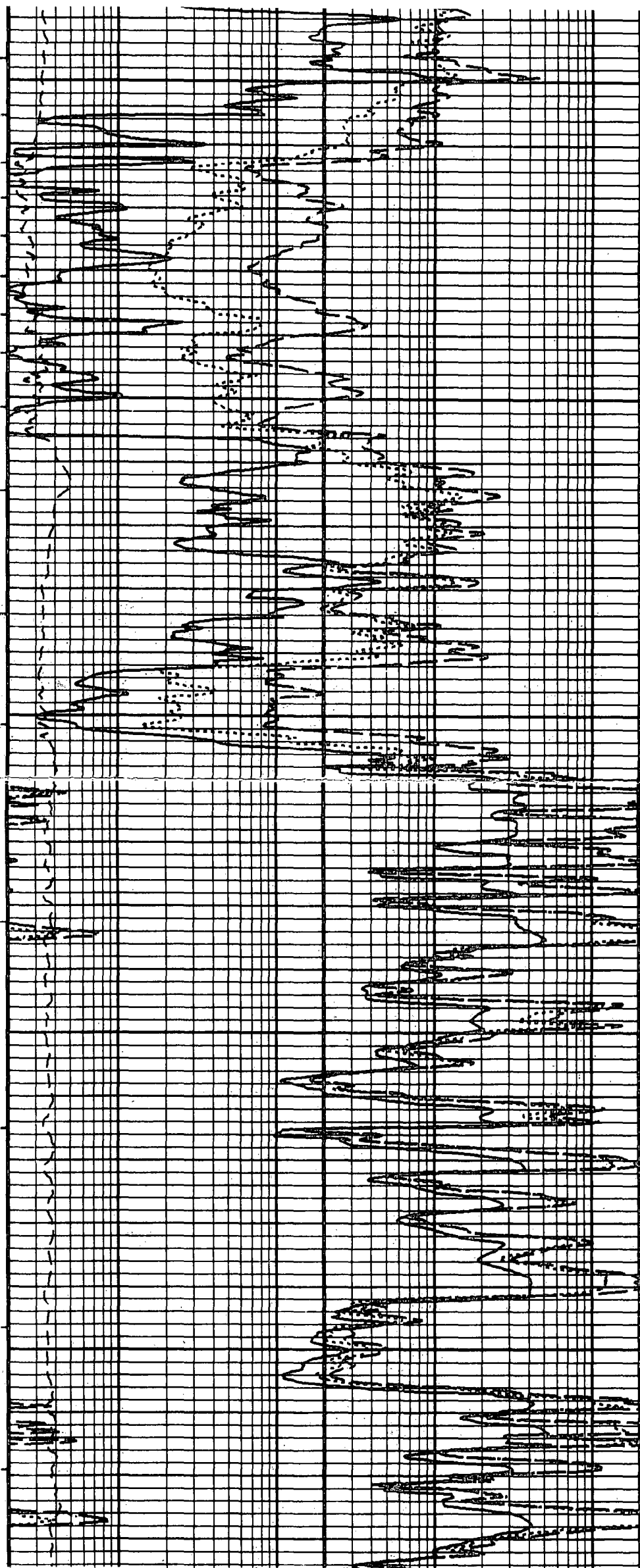
600

700

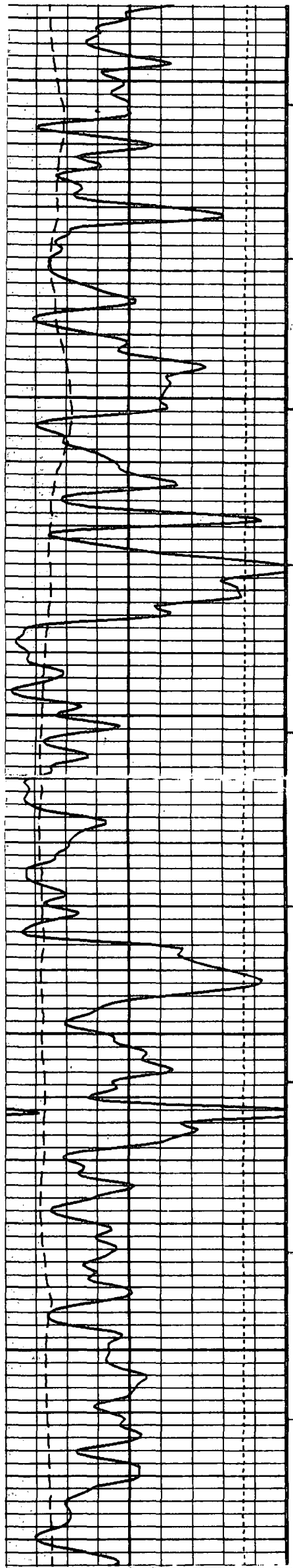




800



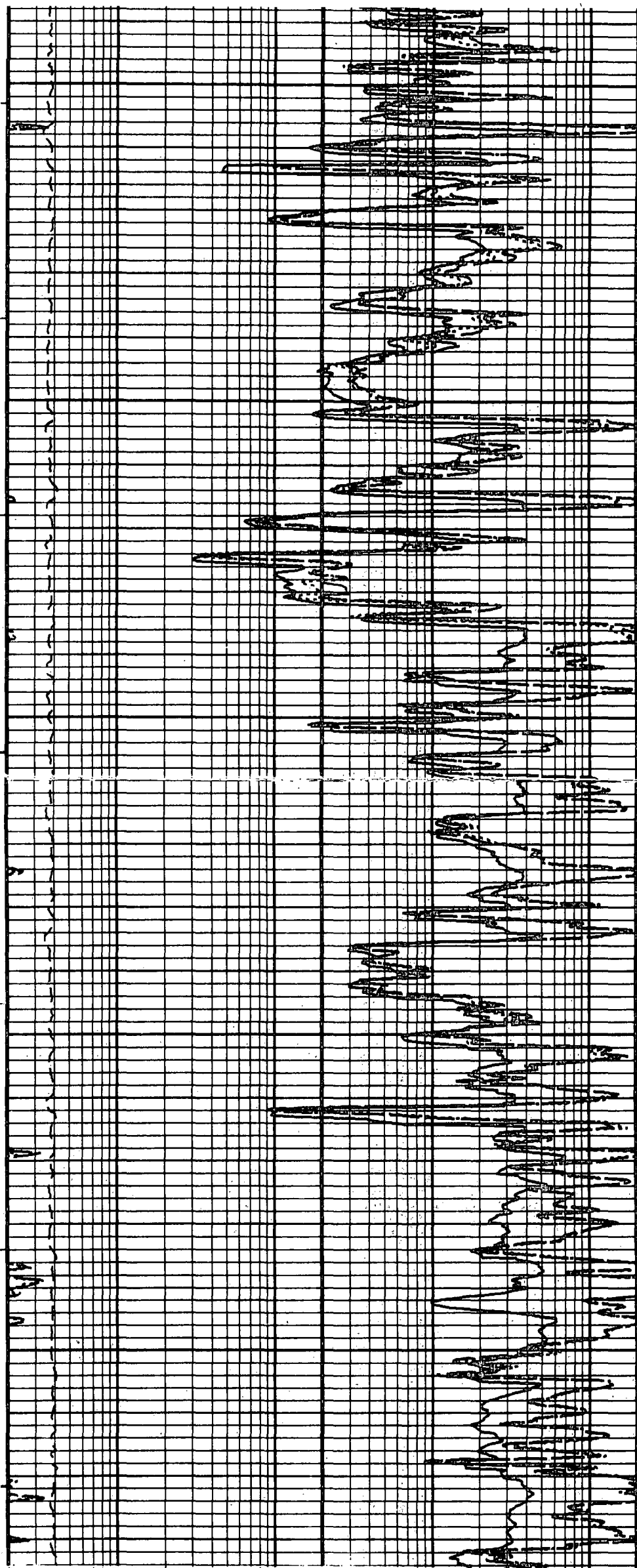
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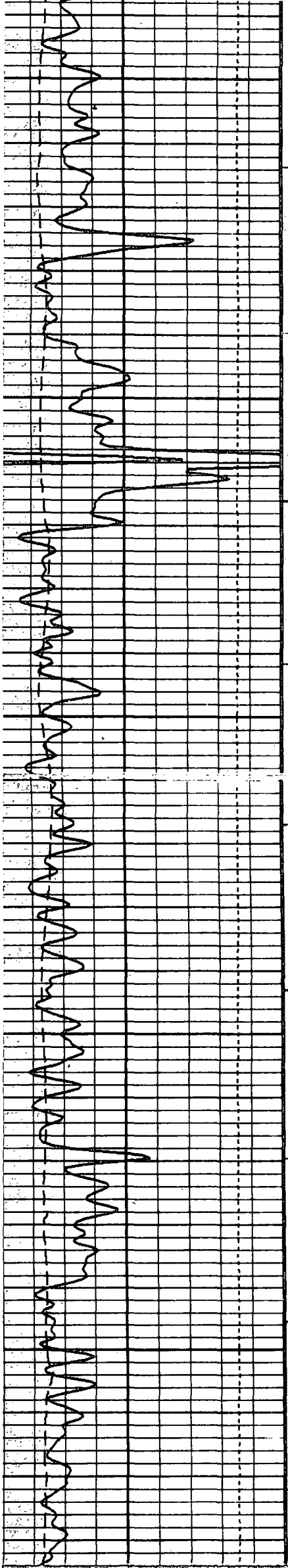


1000

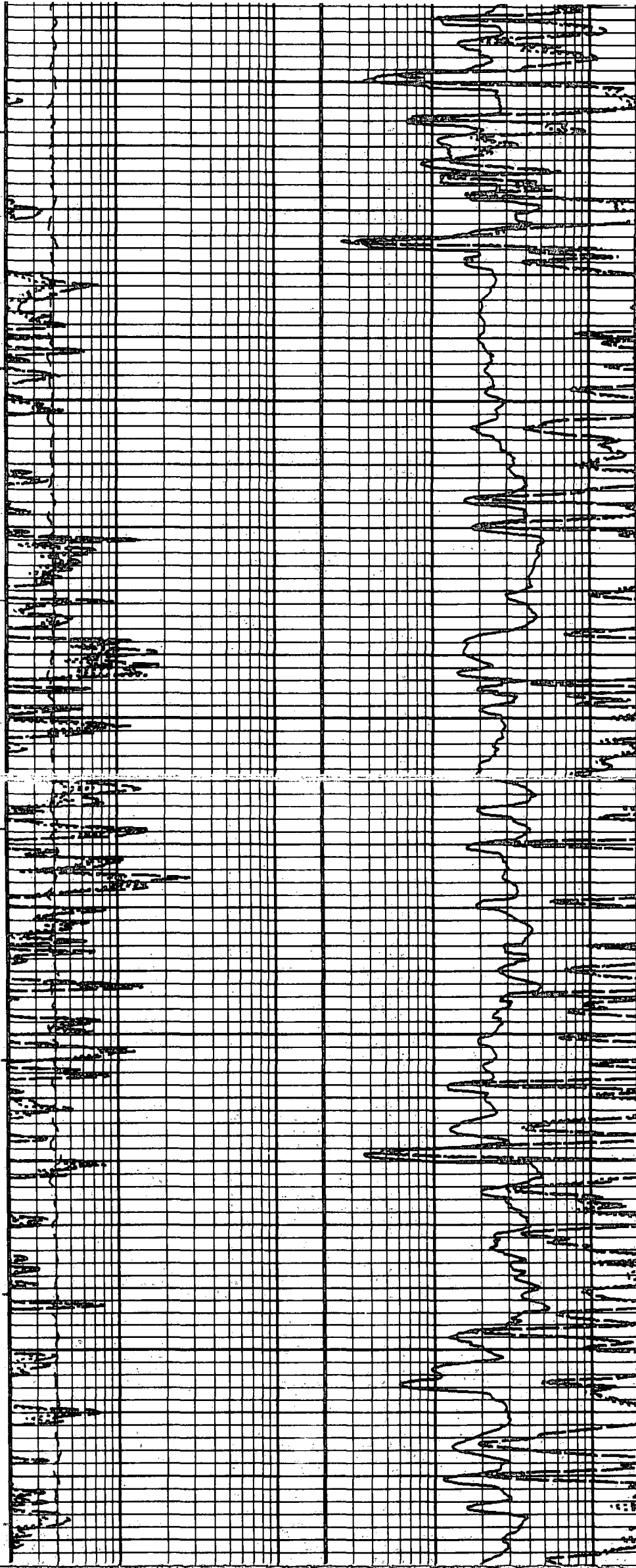
1100

1200

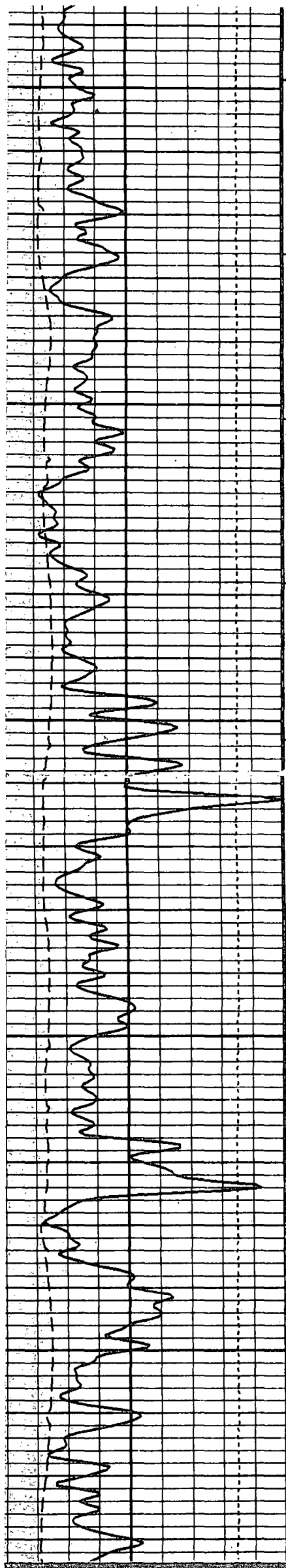




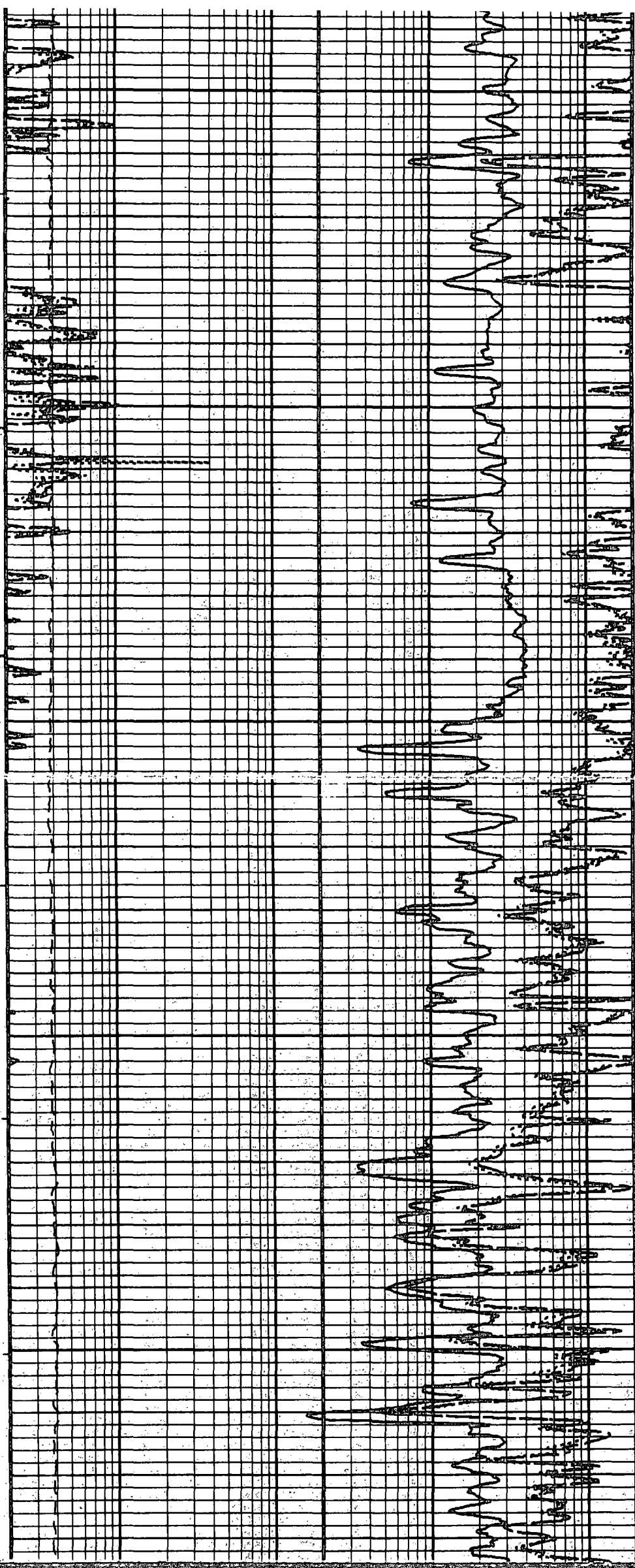
1300



1400

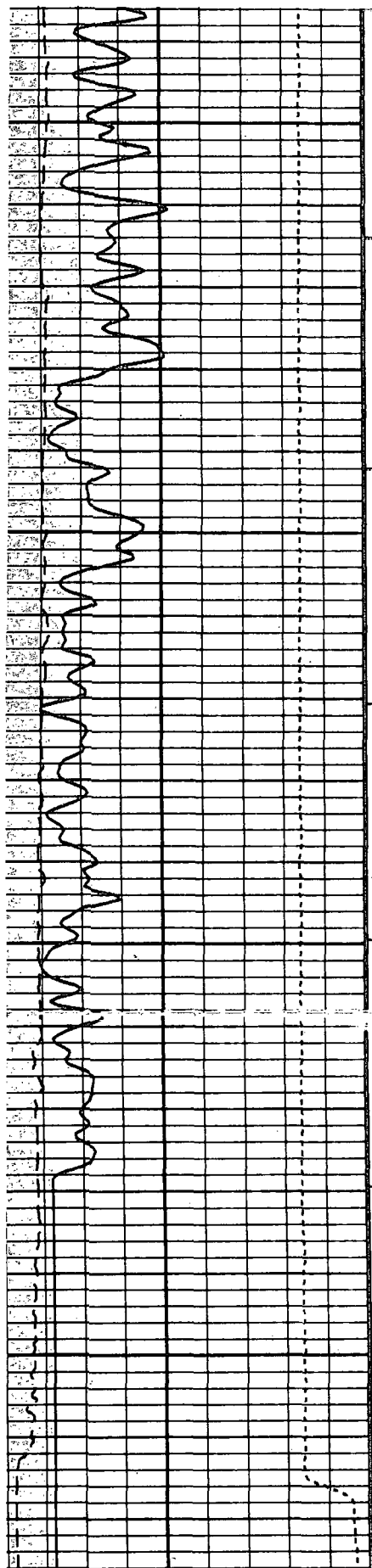


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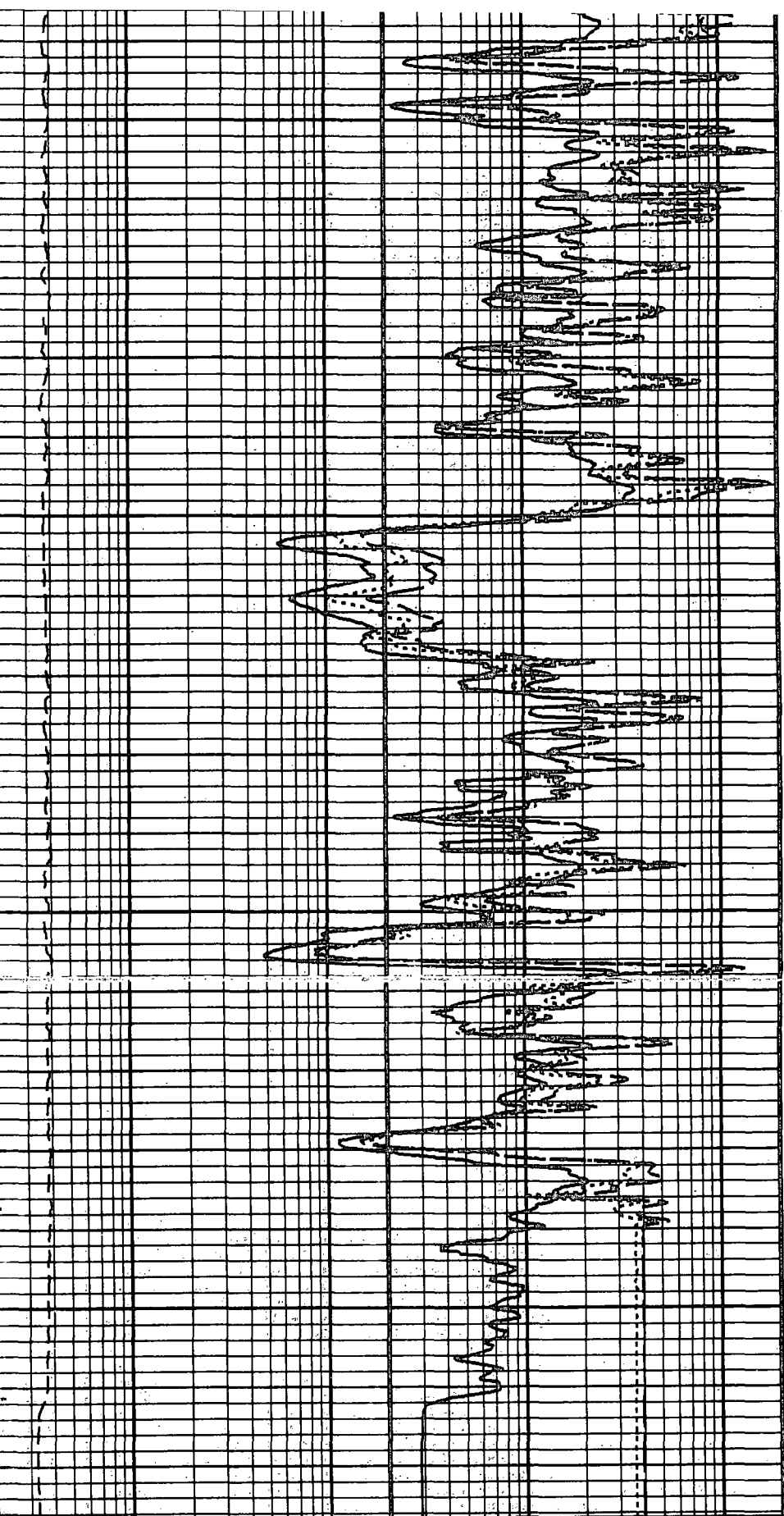
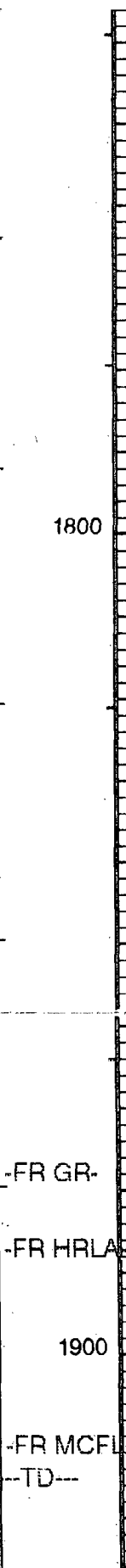


1600

1700



Gamma Ray (GR)	(GAPI)	100
HILT Caliper (HCAL)	(IN)	16
Tension (TENS)	(LBF)	0



0.2	Std. Res. Invaded Zone Resistivity (RXOZ)	(OHMM)	2000
0.2	HRLT Resistivity 3 (RLA3)	(OHMM)	2000
0.2	HRLT Resistivity 5 (RLA5)	(OHMM)	2000
0.02	HRLT Mud Resistivity (RM_HRLT)	(OHMM)	200

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
- Integrated Cement Volume Minor Pip Every 10 F3
- Integrated Cement Volume Major Pip Every 100 F3

MAIN PASS 5' - 100'

Time Mark Every 60 S

Parameters

PLIS Name	Description	Value
HILTB-FTB: High resolution Integrated Logging Tool-DTS		
HFL	Borehole Fluid Type	WATER
HFL_TLD	HILT Nuclear Mud Base	WATER
HS	Borehole Status	OPEN
HT	Bottom Hole Temperature (used in calculations)	94 DEGF
SCO	Borehole Salinity Correction Option	NO
ALSTAT	HRLTB Calibration Status	SHALLOW_DONE
ALTEMP	HRLTB Calibration Temperature	87.2801 DEGF
CCO	Casing & Cement Thickness Correction Option	NO
HC	Density Hole Correction	BS
PPM	Density Porosity Processing Mode	HIRS
XSICL	External Shale Indicator Clean Value	20
XSISH	External Shale Indicator Shale Value	150
D	Fluid Density	1.1 G/C3
EXP	Form Factor Exponent	2
NUM	Form Factor Numerator	1
PHI	Form Factor Porosity Source	DPHZ
REQ0	HRLT Frequency Index for Mode 0	32
REQ1	HRLT Frequency Index for Mode 1	128
REQ2	HRLT Frequency Index for Mode 2	104
REQ3	HRLT Frequency Index for Mode 3	86
REQ4	HRLT Frequency Index for Mode 4	56
REQ5	HRLT Frequency Index for Mode 5	44
REQ6	HRLT Frequency Index for Mode 6	116
SAL	Formation Salinity	-50000 PPM
SCO	Formation Salinity Correction Option	NO
ICLF	Germany Coal-like Formation Option	NO
ICSE	Generalized Calliper Selection	HCAL
IDEV	Average Angular Deviation of Borehole from Normal	0 DEG
IGRD	Geothermal Gradient	0.01 DF/F
IRSE	Generalized Mud Resistivity Selection	CHART GEN 9
ITSE	Generalized Temperature Selection	HSTS_HTEM
IACPP	Accelerometer PROM Presence	PRESENT_FILE
IART	Accelerometer Reference Temperature	77 DEGF
IDCOD	HILT Density Coal detection	2 G/C3
IDSAD	HILT Density Salt detection	2.1 G/C3
IILT_GAS_DENSITY	HILT Gas Downhole Density	0 G/C3
IILT_GAS_OPTION	HILT Gas Computation Option	OFF
INCDD	HILT Neutron Coal detection	45 PU
INSAD	HILT Neutron Salt detection	5 PU
IPHIECUT	HILT effective Porosity Cutoff	5 PU
ISCO	Hole Size Correction Option	YES
ISIS	HILT Shale Indicator Selection	GR
ISSO	HRDD Nuclear Source Strength Option	NORMAL
ISWCUT	HILT Water Saturation from AITH cutoff	50 %
SSBAR	Barite Mud Switch	NOBARITE
IAC_HRLT	HRLT K Factor Option	SONDE
OOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW
OOPMOD0	HRLT Mode 0 Loop Mode	AUTO
OOPMOD1	HRLT Mode 1 Loop Mode	AUTO
OOPMOD2	HRLT Mode 2 Loop Mode	AUTO
OOPMOD3	HRLT Mode 3 Loop Mode	AUTO
OOPMOD4	HRLT Mode 4 Loop Mode	AUTO
OOPMOD5	HRLT Mode 5 Loop Mode	AUTO
OOPMOD6	HRLT Mode 6 Loop Mode	AUTO
IATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
ICCO	Mud Cake Correction Option	NO
ICOR	Mud Correction	NATU
IDEN	Matrix Density	2.71 G/C3
IHC0	MCFL B0 Contrast Correction Coefficient	2.2e-005 OHMS
IHC1	MCFL B1 Contrast Correction Coefficient	3.2e-005 OHMS
IHCC	MCFL High Contrast Correction Switch	NO
IPOF	MCFL Processing Operation Mode	ON
IWCO	Mud Weight Correction Option	NO
IAAC	HRDD APS Activation Correction	OFF
IMT	HILT Nuclear Mud Type	NOBARITE
IIPRM	HRDD Processing Mode	StdRes
ISAR	HRDD Depth Sampling Rate	1 IN
PEA_FILTER	PEA Filter	NO_FILTER
PEFC_FILTER	PEFC Filter	NO_FILTER
PHIMAX	HILT max porosity	35 PU
PROCINV	Inversion Selection	ON
PROCMFL	Inversion Micro-Resistivity Selection	RXOZ
PROCMSO	Mechanical Standoff Fin Size	1.5 IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute
PROCSP0	Sonde Position	Eccentered
PTCO	Pressure/Temperature Correction Option	NO
SDAT	Standoff Data Source	SOCN
BEXP_HILT	HILT Saturation Exponent	2
BHT	Surface Hole Temperature	88 DEGF
BOCN	Standoff Distance	0.125 IN
BOCO	Standoff Correction Option	YES
HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	94 DEGF
BCD	Future Casing (Outer) Diameter	4.5 IN
GCSE	Generalized Calliper Selection	HCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.01 DF/F
GRSE	Generalized Mud Resistivity Selection	CHART GEN 9

IVCS	Integrated Hole Volume Caliper Selection	AUTOMATIC	
3SBAR	Barite Mud Switch	NOBARITE	
IATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
IHT	Surface Hole Temperature	88	DEGF
STI: Stuck Tool Indicator			
BFR	Trigger for MAXIS First Reading Label	NONE	
TKT	STI Stuck Threshold	2.5	FT
DD	Total Depth - Driller	1910.00	FT
DL	Total Depth - Logger	1910.00	FT
System and Miscellaneous			
LTDPCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
IS	Bit Size	7.875	IN
ISAL	Borehole Salinity	160000.00	PPM
SIZ	Current Casing Size	8.625	IN
WEI	Casing Weight	24.00	LB/F
IFD	Drilling Fluid Density	9.80	LB/G
ORL	Depth Offset for Repeat Analysis	0.0	FT
LEV	Fluid Level	0.00	FT
IST	Mud Sample Temperature	89.00	DEGF
BVSADP	Use alternate depth channel for playback	NO	
IMFS	Resistivity of Mud Filtrate Sample	0.0320	OHMM
IV	Resistivity of Connate Water	1.0000	OHMM
ID	Total Depth	1910	FT
WS	Temperature of Connate Water Sample	100.00	DEGF
at: 5_res	Vertical Scale: 5" per 100'	Graphics File Created: 13-Jun-2012 22:01	

OP System Version: 19C0-187

B-FTB	19C0-187	DTC-H	19C0-187
Output DLIS Files			
FAULT	TLD_MCFL_CNL_011LUP	FN:15	PRODUCER 13-Jun-2012 22:01
3	TLD_MCFL_CNL_011LUP	FN:16	PRODUCER 13-Jun-2012 22:01

pany: Crystal River Oil Well: Jones D #7

Input DLIS Files

FAULT	TLD_MCFL_CNL_010PUP	FN:13	PRODUCER 13-Jun-2012 22:00	1928.0 FT	1684.0 FT
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Output DLIS Files

FAULT	TLD_MCFL_CNL_011LUP	FN:15	PRODUCER 13-Jun-2012 22:01
3	TLD_MCFL_CNL_011LUP	FN:16	PRODUCER 13-Jun-2012 22:01

OP System Version: 19C0-187

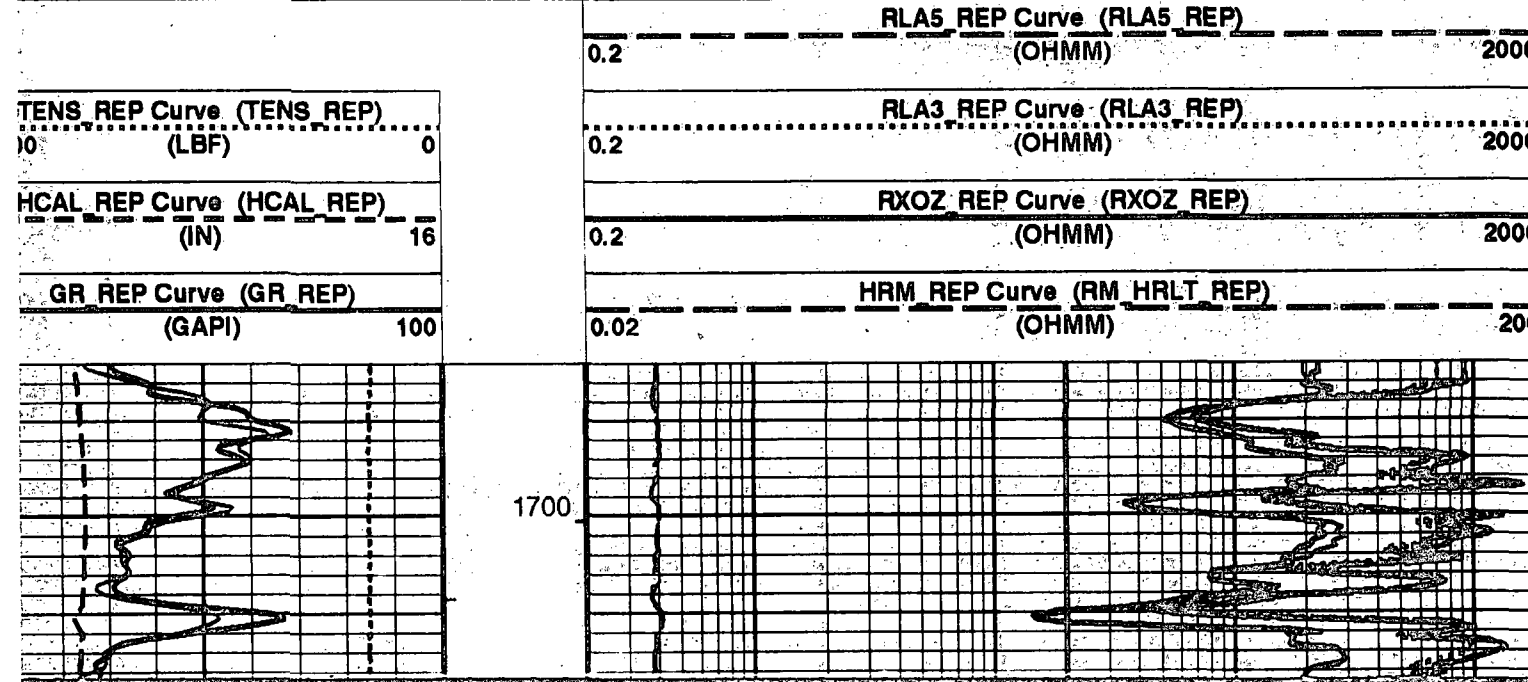
B-FTB	19C0-187	DTC-H	19C0-187
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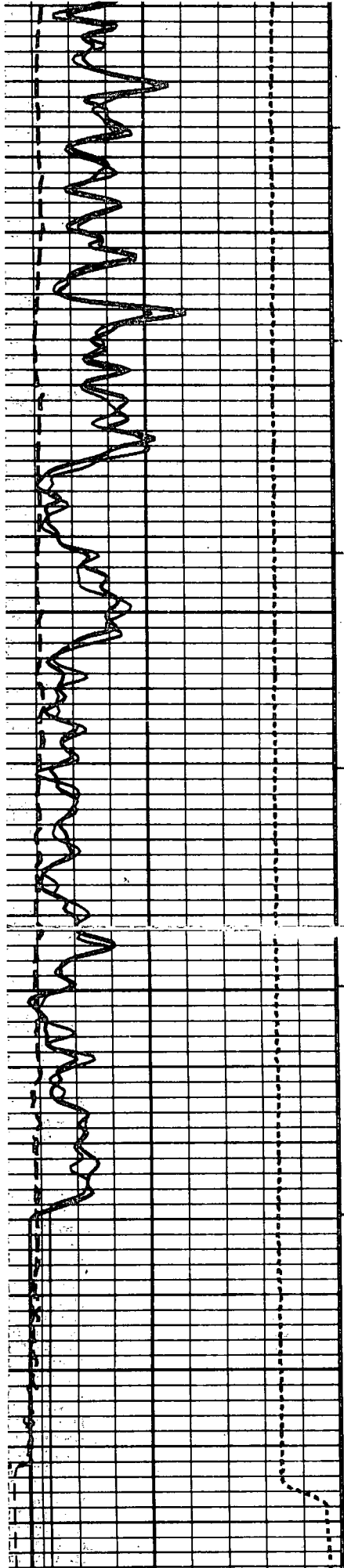
PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
 - Integrated Cement Volume Minor Pip Every 10 F3
 - Integrated Cement Volume Major Pip Every 100 F3

REPEAT ANALYSIS

Time Mark Every 60 S





GR REP Curve (GR REP)
(GAPI) 100

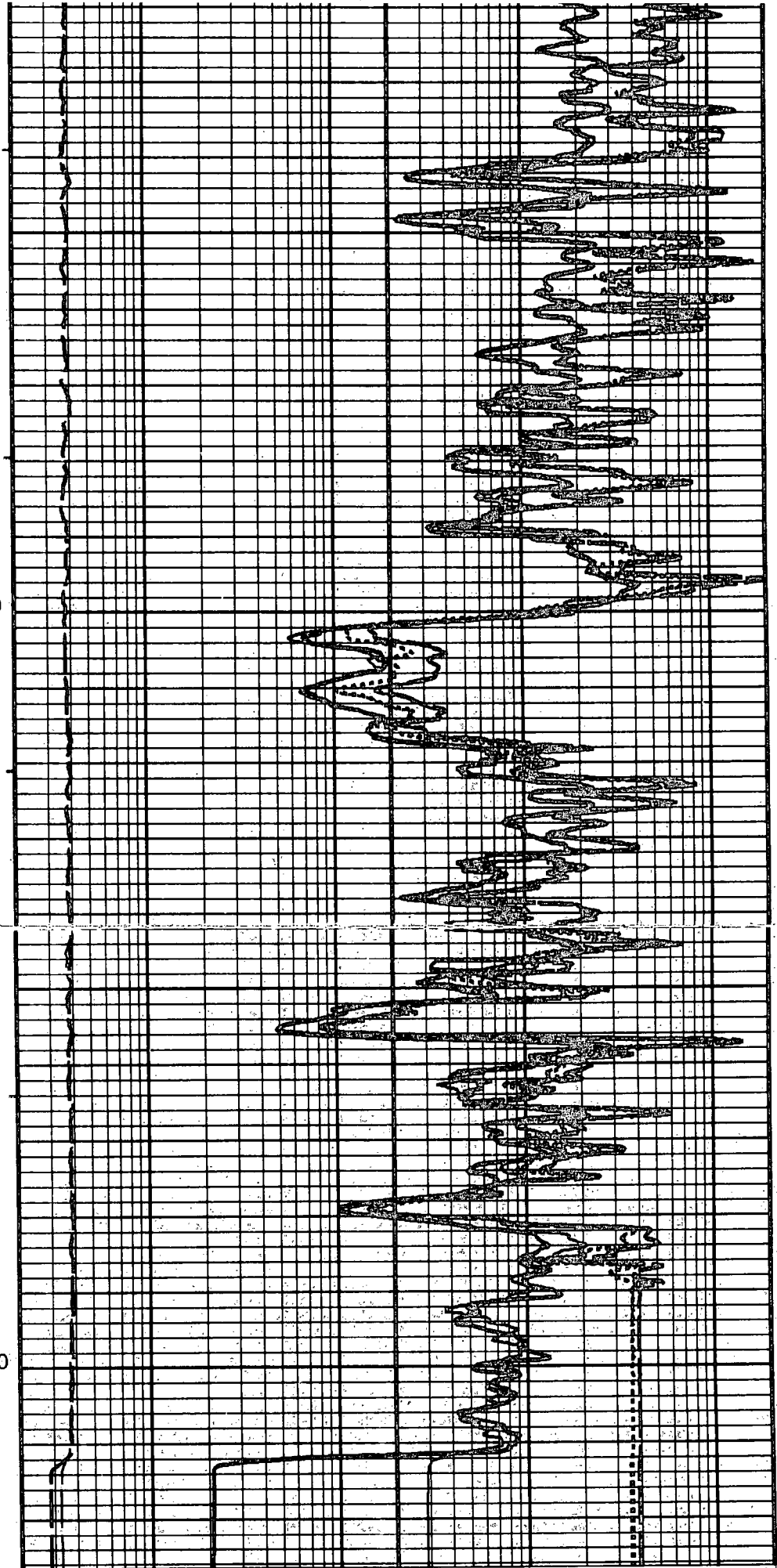
HCAL REP Curve (HCAL REP)
(IN) 16

TENS REP Curve (TENS REP)
(LBF) 00 0

1800

1900

---TD---



HRM REP Curve (RM HRLT REP)
(OHMM) 0.02 200

RXOZ REP Curve (RXOZ REP)
(OHMM) 0.2 2000

RLA3 REP Curve (RLA3 REP)
(OHMM) 0.2 2000

RLA5 REP Curve (RLA5 REP)
(OHMM) 0.2 2000

END SUMMARY

- Integrated Hole Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
 - Integrated Cement Volume Minor Pip Every 10 F3
 - Integrated Cement Volume Major Pip Every 100 F3

REPEAT ANALYSIS

Time Mark Every 60 S

at: 5_res_REP Vertical Scale: 5" per 100'

Graphics File Created: 13-Jun-2012 22:01

OP System Version: 19C0-187

FB-FTB 19C0-187 DTC-H 19C0-187

Input DLIS Files

FAULT TLD_MCFL_CNL_010PUP FN:13 PRODUCER 13-Jun-2012 22:00 1928.0 FT 1684.0 FT

Output DLIS Files

FAULT TLD_MCFL_CNL_011LUP FN:15 PRODUCER 13-Jun-2012 22:01
B TLD_MCFL_CNL_011LUP FN:16 PRODUCER 13-Jun-2012 22:01

pany: Crystal River Oil

Well: Jones D #7.

Input DLIS Files

FAULT TLD_MCFL_CNL_009LUP FN:11 PRODUCER 13-Jun-2012 21:53 1927.0 FT 1683.0 FT

Output DLIS Files

FAULT TLD_MCFL_CNL_010PUP FN:13 PRODUCER 13-Jun-2012 22:00 1928.0 FT 1684.0 FT
B TLD_MCFL_CNL_010PUP FN:14 PRODUCER 13-Jun-2012 22:00 1928.0 FT 1684.0 FT

Integrated Hole/Cement Volume Summary

Hole Volume = 80.09 F3

Cement Volume = 55.13 F3 (assuming 4.50 IN casing O.D.)

Computed from: 1928.0 FT to 1684.0 FT using data channel(s) NCAL

OP System Version: 19C0-187

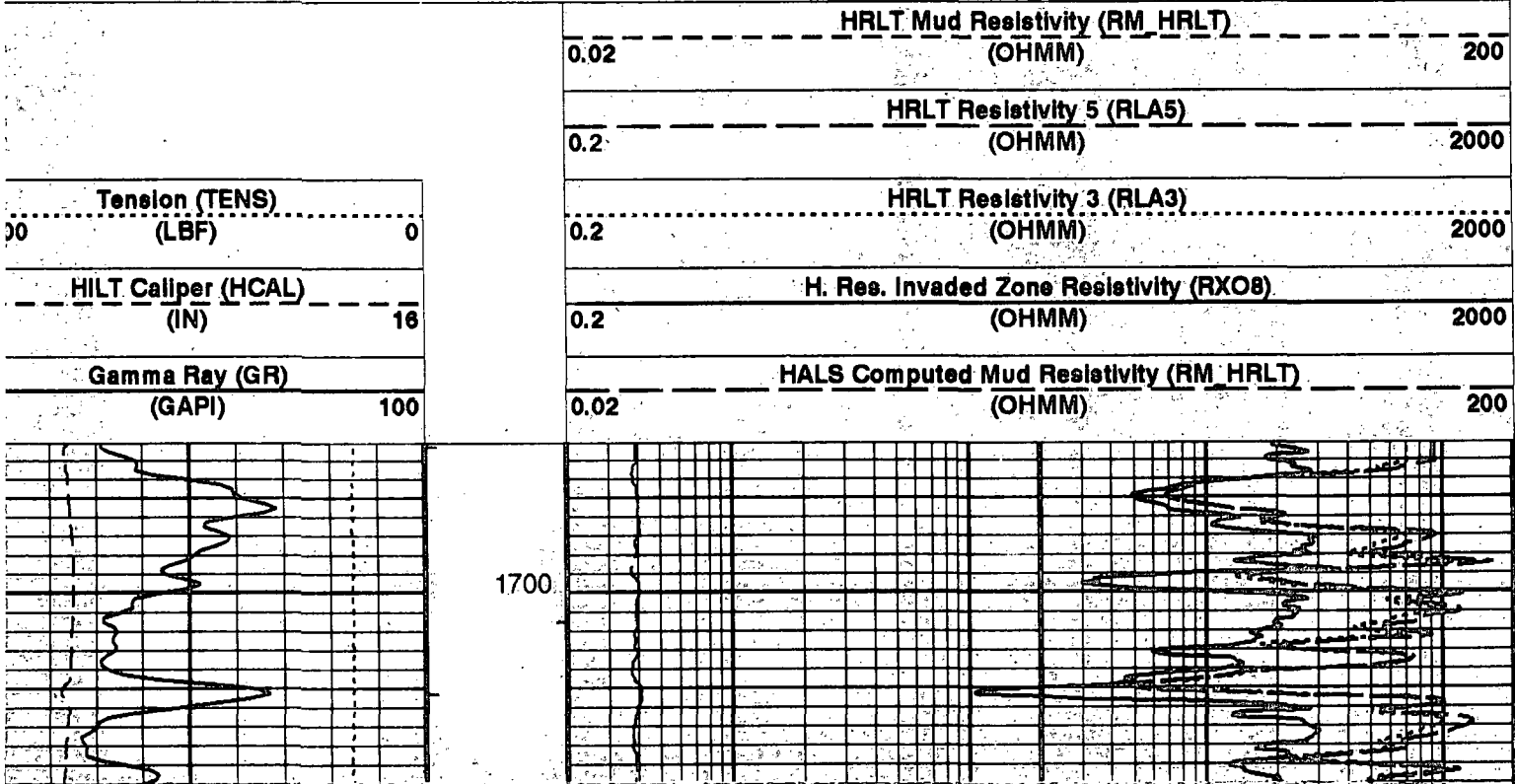
FB-FTB 19C0-187 DTC-H 19C0-187

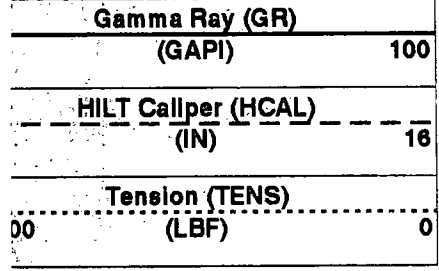
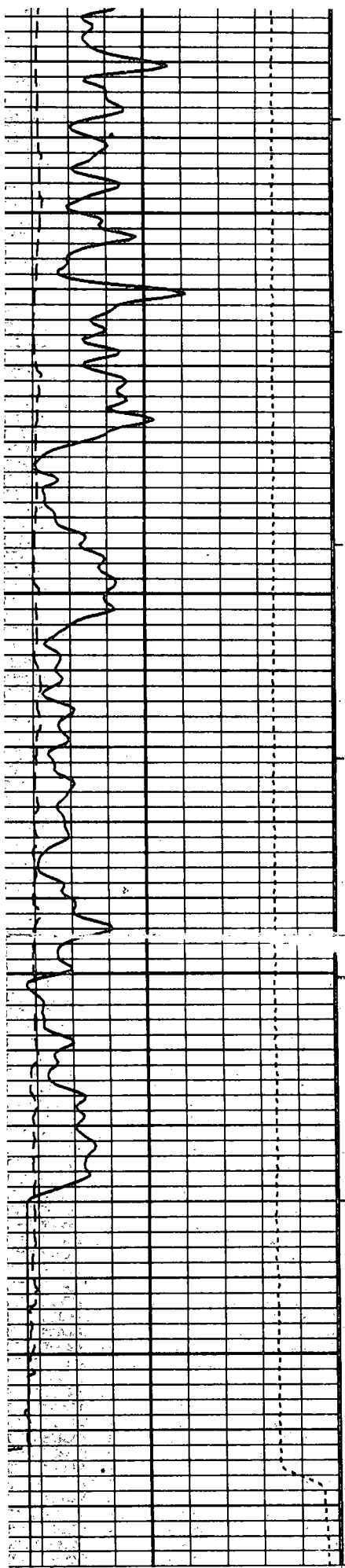
PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 10 F3
- Integrated Hole Volume Major Pip Every 100 F3
 - Integrated Cement Volume Minor Pip Every 10 F3
 - Integrated Cement Volume Major Pip Every 100 F3

REPEAT SECTION

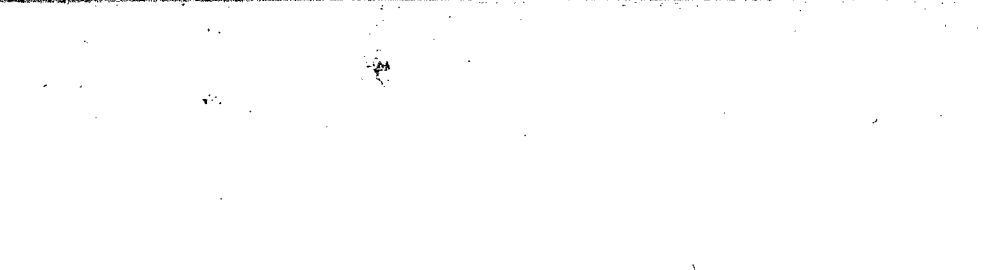
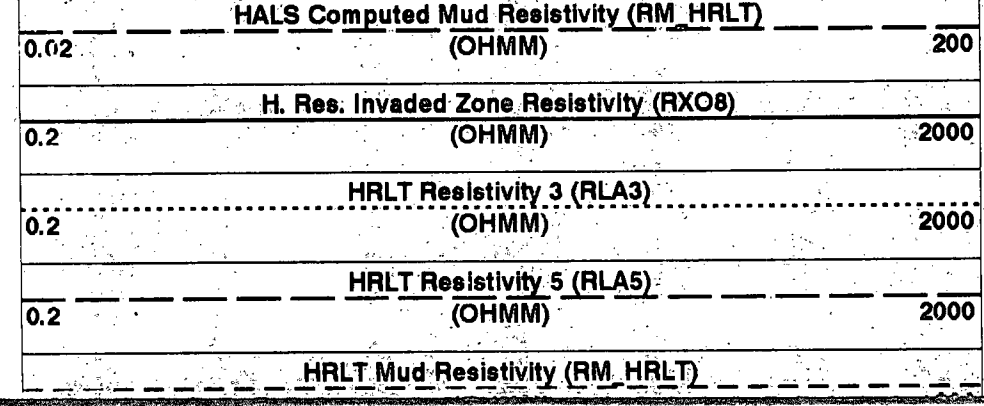
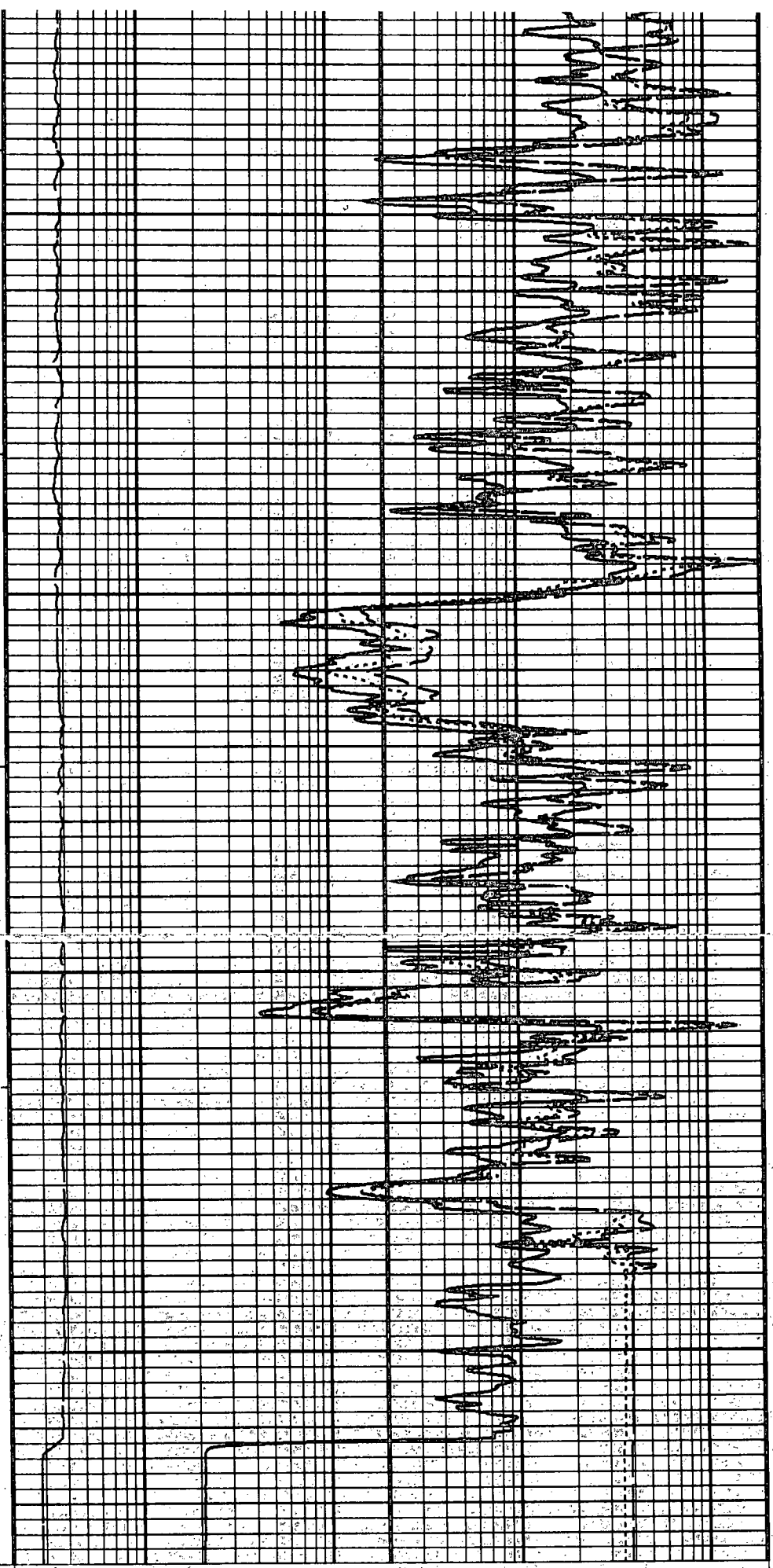
Time Mark Every 60 S

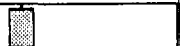




1800

1900



High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HILT Caliper Calibration						
Phase	HILT Caliper Zero Measurement IN	Value	Phase	HILT Caliper Plus Measurement IN	Value	
Before		7.906	Before		12.10	
	6.000 (Minimum)	8.000 (Nominal)	10.00 (Maximum)	9.000 (Minimum)	12.00 (Nominal)	15.00 (Maximum)
Before: 13-Jun-2012 17:33						

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT M01						
Idx	Phase	HRLT M0-M1 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-314.6	-322.7	-280.7	-379.7
1	Before		-337.7	-322.7	-280.7	-379.7
2	Before		-331.3	-322.7	-280.7	-379.7
3	Before		-327.7	-322.7	-280.7	-379.7
4	Before		-316.4	-322.7	-280.7	-379.7
5	Before		-321.3	-322.7	-280.7	-379.7
6	Before		326.4	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
		(Minimum) (Nominal) (Maximum)				
Before: 13-Jun-2012 21:31						

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT M12						
Idx	Phase	HRLT M1-M2 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1729	1781	2095	1549
1	Before		1854	1781	2095	1549
2	Before		1815	1781	2095	1549
3	Before		1797	1781	2095	1549
4	Before		1752	1781	2095	1549
5	Before		1764	1781	2095	1549
6	Before		-1799	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				
Before: 13-Jun-2012 21:31						

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT M23						
Idx	Phase	HRLT M2-M3 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		1719	1781	2095	1549
1	Before		1858	1781	2095	1549
2	Before		1819	1781	2095	1549
3	Before		1804	1781	2095	1549
4	Before		1737	1781	2095	1549
5	Before		1766	1781	2095	1549
6	Before		-1791	-1781	-1549	-2095
7	Before		1781	1781	2095	1549
		(Minimum) (Nominal) (Maximum)				
Before: 13-Jun-2012 21:31						

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT V34						
Idx	Phase	HRLT A3-A4 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67630	70000	82360	60900
1	Before		73310	70000	82360	60900
2	Before		71990	70000	82360	60900
3	Before		71500	70000	82360	60900

5	Before		69800	70000	82360	60900
6	Before		-69710	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT V45						
Idx	Phase	HRLT A4-A5 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67370	70000	82360	60900
1	Before		72550	70000	82360	60900
2	Before		71370	70000	82360	60900
3	Before		71000	70000	82360	60900
4	Before		68390	70000	82360	60900
5	Before		69560	70000	82360	60900
6	Before		-68930	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT V56						
Idx	Phase	HRLT A5-A6 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		67530	70000	82360	60900
1	Before		72960	70000	82360	60900
2	Before		71720	70000	82360	60900
3	Before		71290	70000	82360	60900
4	Before		68590	70000	82360	60900
5	Before		69710	70000	82360	60900
6	Before		-69350	-70000	-60900	-82360
7	Before		70000	70000	82360	60900
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT VTP						
Idx	Phase	HRLT Torpedo-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-67310	-70000	-60900	-82360
1	Before		-73450	-70000	-60900	-82360
2	Before		-72110	-70000	-60900	-82360
3	Before		-71630	-70000	-60900	-82360
4	Before		-68830	-70000	-60900	-82360
5	Before		-69920	-70000	-60900	-82360
6	Before		69790	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT VBD						
Idx	Phase	HRLT Bridle#9-M0 Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-67270	-70000	-60900	-82360
1	Before		-73340	-70000	-60900	-82360
2	Before		-72000	-70000	-60900	-82360
3	Before		-71550	-70000	-60900	-82360

5	Before		-69870	-70000	-60900	-82360
6	Before		69680	70000	82360	60900
7	Before		-70000	-70000	-60900	-82360
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT ISO						
Idx	Phase	HRLT Source Current Plus UA	Value	Nominal	Maximum	Minimum
0	Before		280.6	284.0	334.1	247.0
1	Before		281.1	281.1	330.7	244.4
2	Before		281.1	281.1	330.7	244.4
3	Before		281.1	281.1	330.7	244.4
4	Before		281.1	281.1	330.7	244.4
5	Before		281.1	281.1	330.7	244.4
6	Before		281.1	281.1	330.7	244.4
7	Before		281.1	281.1	330.7	244.4
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
HRLT MV						
Idx	Phase	HRLT Vertical Voltage Plus UV	Value	Nominal	Maximum	Minimum
0	Before		-316.6	-322.7	-280.7	-379.7
1	Before		-331.1	-322.7	-280.7	-379.7
2	Before		-324.0	-322.7	-280.7	-379.7
3	Before		-319.5	-322.7	-280.7	-379.7
4	Before		-306.6	-322.7	-280.7	-379.7
5	Before		-325.4	-322.7	-280.7	-379.7
6	Before		333.1	322.7	379.7	280.7
7	Before		-322.7	-322.7	-280.7	-379.7
(Minimum) (Nominal) (Maximum)						

Before: 13-Jun-2012 21:31

High resolution Integrated Logging Tool-DTS Wellsite Calibration						
Detector Calibration						
Phase	Gamma Ray Background GAPI	Value	Phase	Gamma Ray (Jlg - Bkgd) GAPI	Value	
Before		68.56	Before		163.1	
0	30.00	120.0	157.1	165.0	208.3	
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)			

Before: 13-Jun-2012 17:33

High resolution Integrated Logging Tool-DTS Wellsite Calibration					
Zero Measurement					
Phase	CNTC Background CPS	Value	Phase	CFTC Background CPS	Value
Master		26.72	Master		27.21
Before		27.57	Before		27.56
5.000	26.72	40.00	5.000	27.21	40.00
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)		

Master: 4-Apr-2012 15:14 Before: 13-Jun-2012 17:34

High resolution Integrated Logging Tool-DTS Wellsite Calibration									
Ratio Measurement									
Phase	Thermal Near Corr. (Tank) CPS	Value	Phase	Thermal Far Corr. (Tank) CPS	Value	Phase	CNTC/CFTC (Tank)	Value	
Master		5505	Master		2229	Master		2.470	
4700	5800	6900	1900	2400	2900	2.120	2.159	2.540	
(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)			(Minimum) (Nominal) (Maximum)			

Master: 4-Apr-2012 15:14

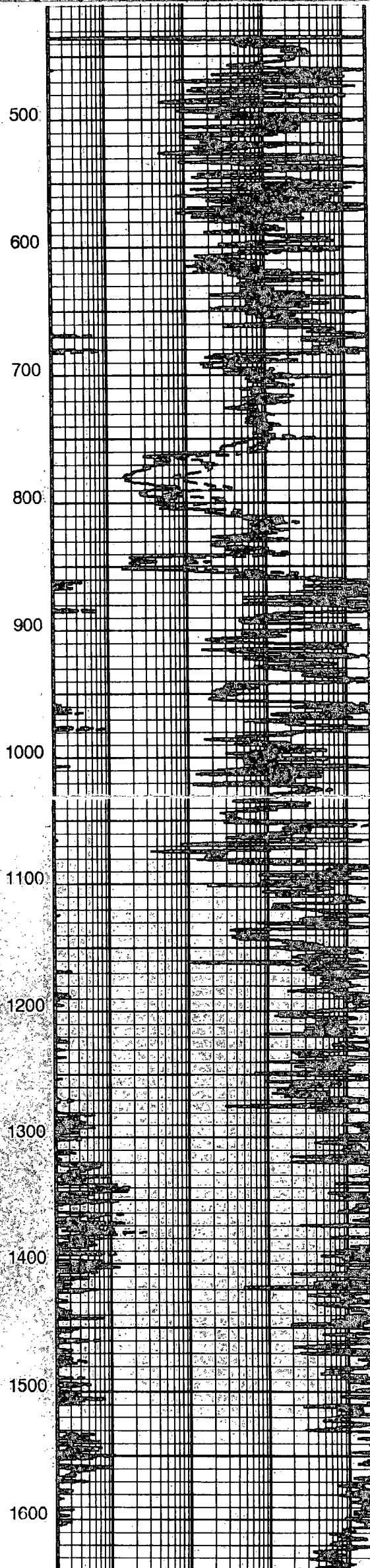
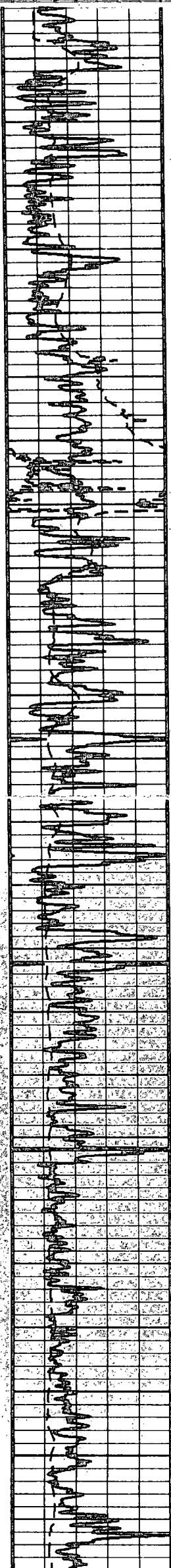
High resolution Integrated Logging Tool-DTS Wellsite Calibration
Accelerometer Calibration

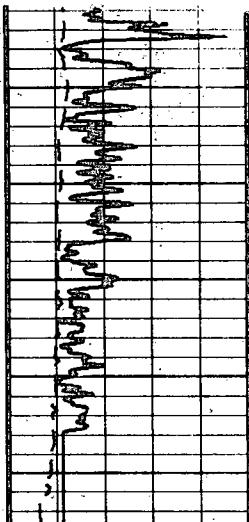
Before			32.04
31.53 (Minimum)	32.19 (Nominal)	32.84 (Maximum)	
Before: 13-Jun-2012 21:30			

DTS Telemetry Tool / Equipment Identification	
Primary Equipment:	
DTC-H Auxiliary Cartridge	DTCH - A
DTC-H Telemetry Cartridge	DTCH - A
Auxiliary Equipment:	
DTCH Telemetry Cartridge Housing	ECH - KC

COMPANY:	Crystal River Oil	BOTTOM LOG INTERVAL	1912 ft
		SCHLUMBERGER DEPTH	1915 ft
WELL:	Jones D #7	DEPTH DRILLER	1910 ft
FIELD:	Atoka	KELLY BUSHING	3617 ft
County:	Eddy	DRILL FLOOR	3616 ft
State:	New Mexico	GROUND LEVEL	3610 ft
Schlumberger		Platform Expresss Hi-Res Laterolog Array Micro-CFL / GR	

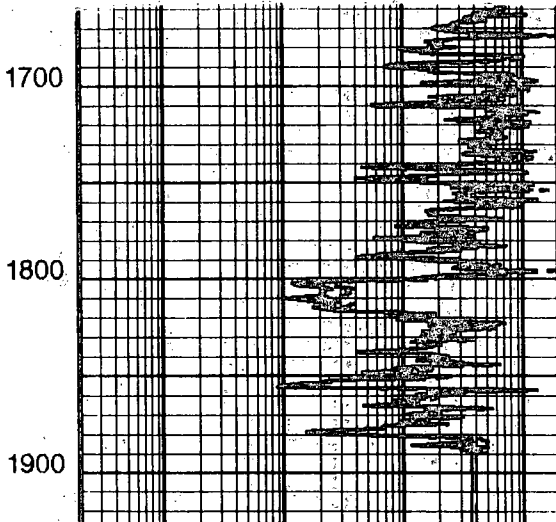
Output DLIS Files			
DEFAULT	TLD_MCFL_CNL_011LUP	FN:15	PRODUCER 13-Jun-2012 22:01
RTB	TLD_MCFL_CNL_011LUP	FN:16	PRODUCER 13-Jun-2012 22:01
OP System Version: 19C0-187			
HILTB-FTB	19C0-187	DTC-H	19C0-187
PIP SUMMARY			
☒ Time Mark Every 60 S			
HILT Caliper (HCAL) 6 (IN) 16		HRLT Resistivity 5 (RLA5) (OHMM) 0.2 2000	
Gamma Ray (GR) 0 (GAPI) 100		HRLT Resistivity 3 (RLA3) (OHMM) 0.2 2000	





Gamma Ray (GR)
0 (GAPI) 100

HILT Caliper
(HCAL)
6 (IN) 16



HRLT Resistivity 3 (RLA3)
0.2 (OHMM) 2000

HRLT Resistivity 5 (RLA5)
0.2 (OHMM) 2000

PIP SUMMARY

Time Mark Every 60 S

Format: 1_res Vertical Scale: 1" per 100'

Graphics File Created: 13-Jun-2012 22:01

OP System Version: 19C0-187

HILTB-FTB 19C0-187

DTC-H 19C0-187

Output DLIS Files

DEFAULT	TLD_MCFL_CNL_011LUP	FN:15	PRODUCER	13-Jun-2012 22:01
RTB	TLD_MCFL_CNL_011LUP	FN:16	PRODUCER	13-Jun-2012 22:01