

ALL PRESENTATION PER CUSTOMER REQUEST
 GRT,CNT,LDT,PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR & BOREHOLE VOLUME CALCULATED USING 5.5 PRODUCTION CASING
 PHIN IS CALIPER CORRECTED
 DETAIL IS PRESENTED FROM TD TO 3500'
 ANHYDRITE SECTION FROM 1128' TO SCG
 SALT DOME FROM 1960' TO 1550'

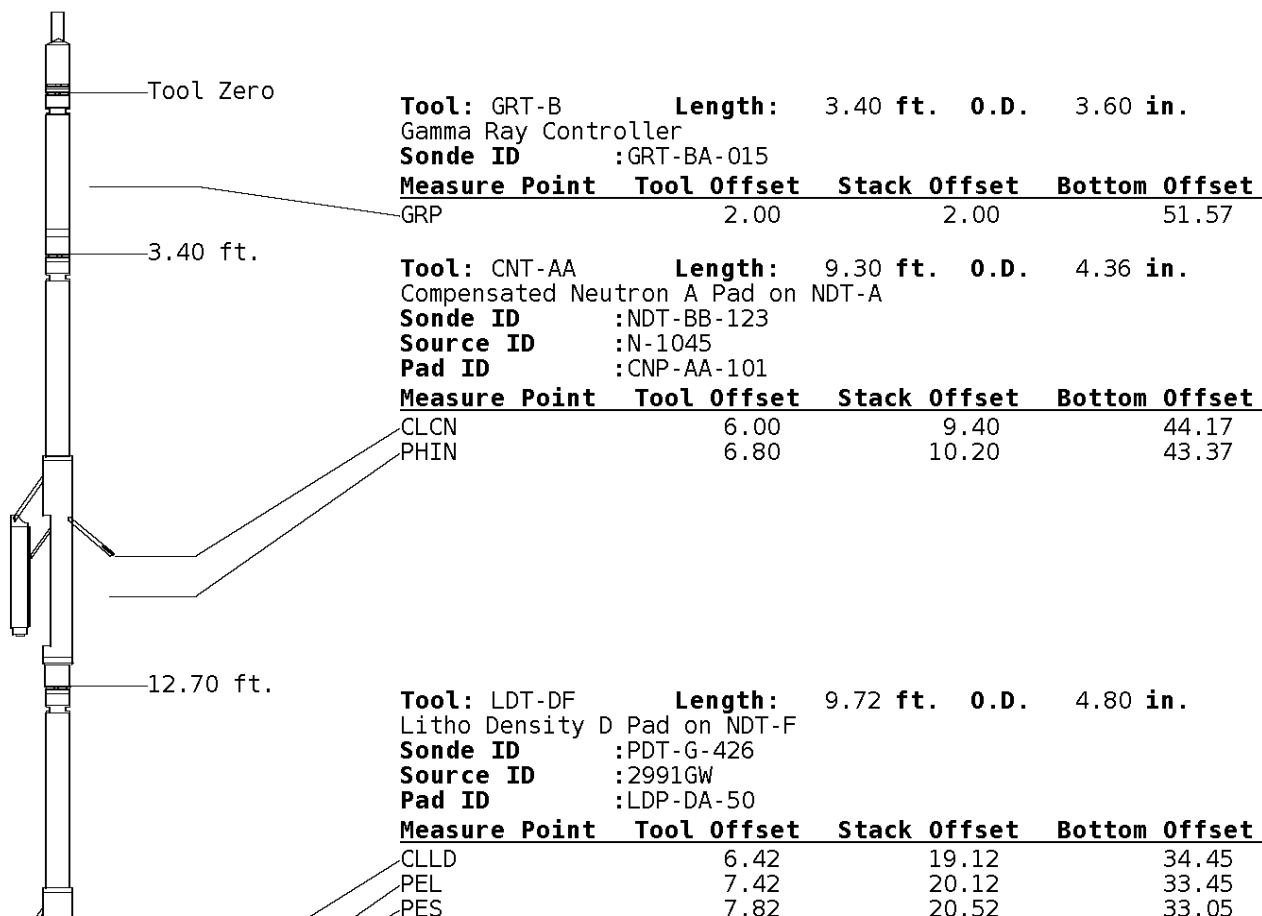
GRT; GRP,
 CNT; PHIN, CLCNIN
 LDT; PORL, LCORN, PECLN, LDENN, CLLDIN
 MLT; NOR.RF, INV.RF, MSCLPIN.
 PIT; ILD, ILM, SPU, SFLAEC, CIRD

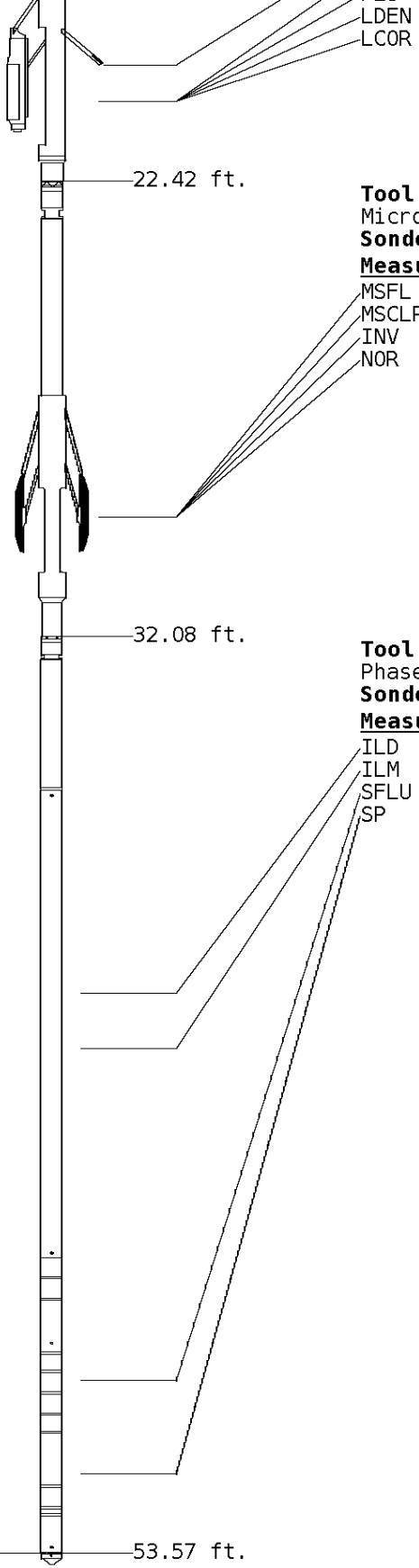
OPERATORS;

C. GONZALES
 J. KLINE

Tool String Schematic

Total Tool Length - 53.57 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 943.00 lbs.





7.62	20.32	33.25
7.62	20.32	33.25

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-32

Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	30.02	23.55
MSCLP	7.60	30.02	23.55
INV	7.60	30.02	23.55
NOR	7.60	30.02	23.55

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-CA-075

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	41.00	12.56
ILM	10.10	42.18	11.39
SFLU	17.49	49.57	4.00
SP	20.60	52.68	0.88

Well File: pro-ro-3-mar-21	Scale: 1:240	Format: NLD-240
Segment: V1.D1.S6 MAIN	Acquired: 2015-03/21 02:48 3.4.0-13477	
Reference: 0	Processed: 2015-03/21 04:12 3.4.0-13477	

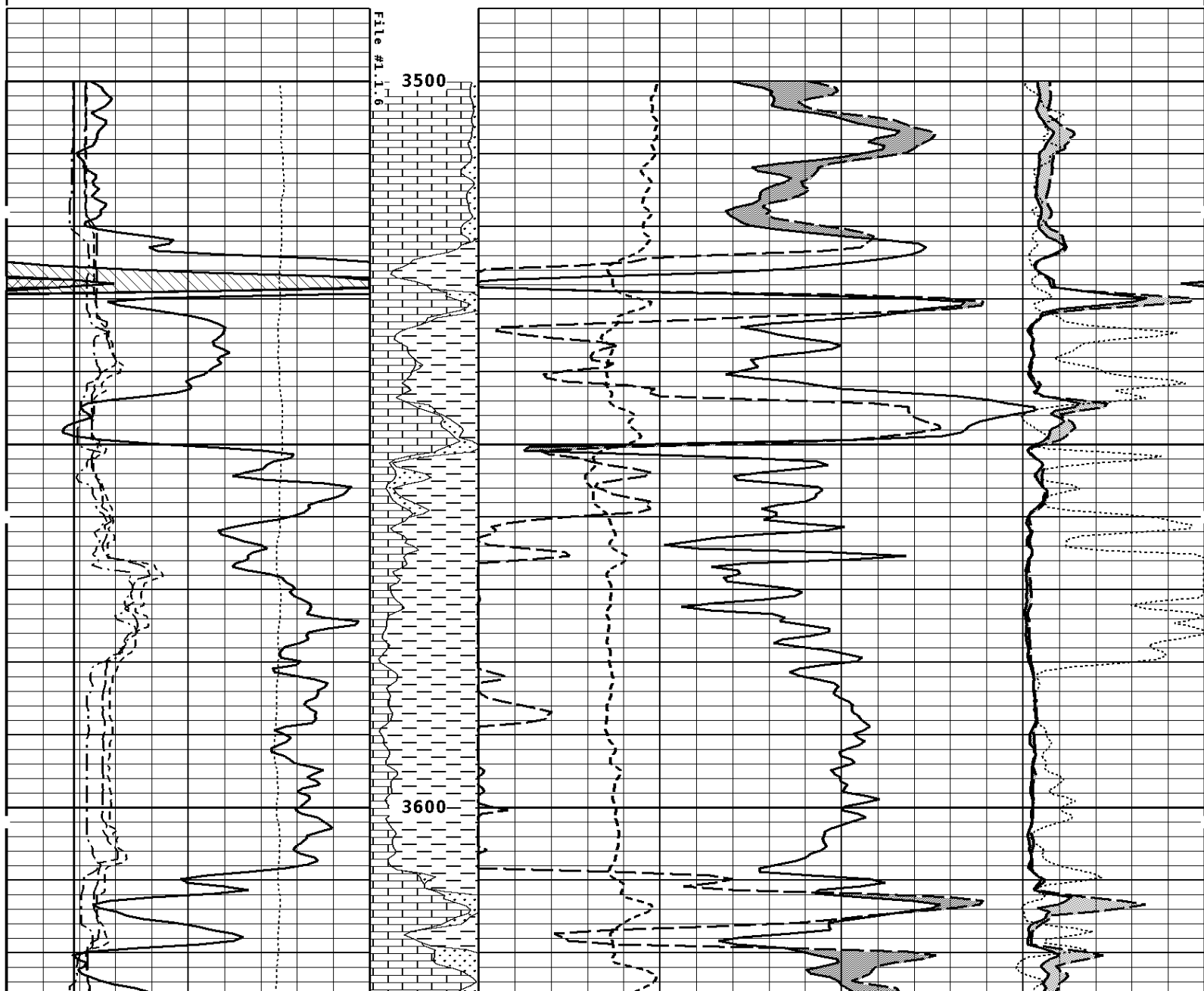
CALIPER MICRO INCHES (IN)	
16	26
6	16

BIT SIZE INCHES (IN)

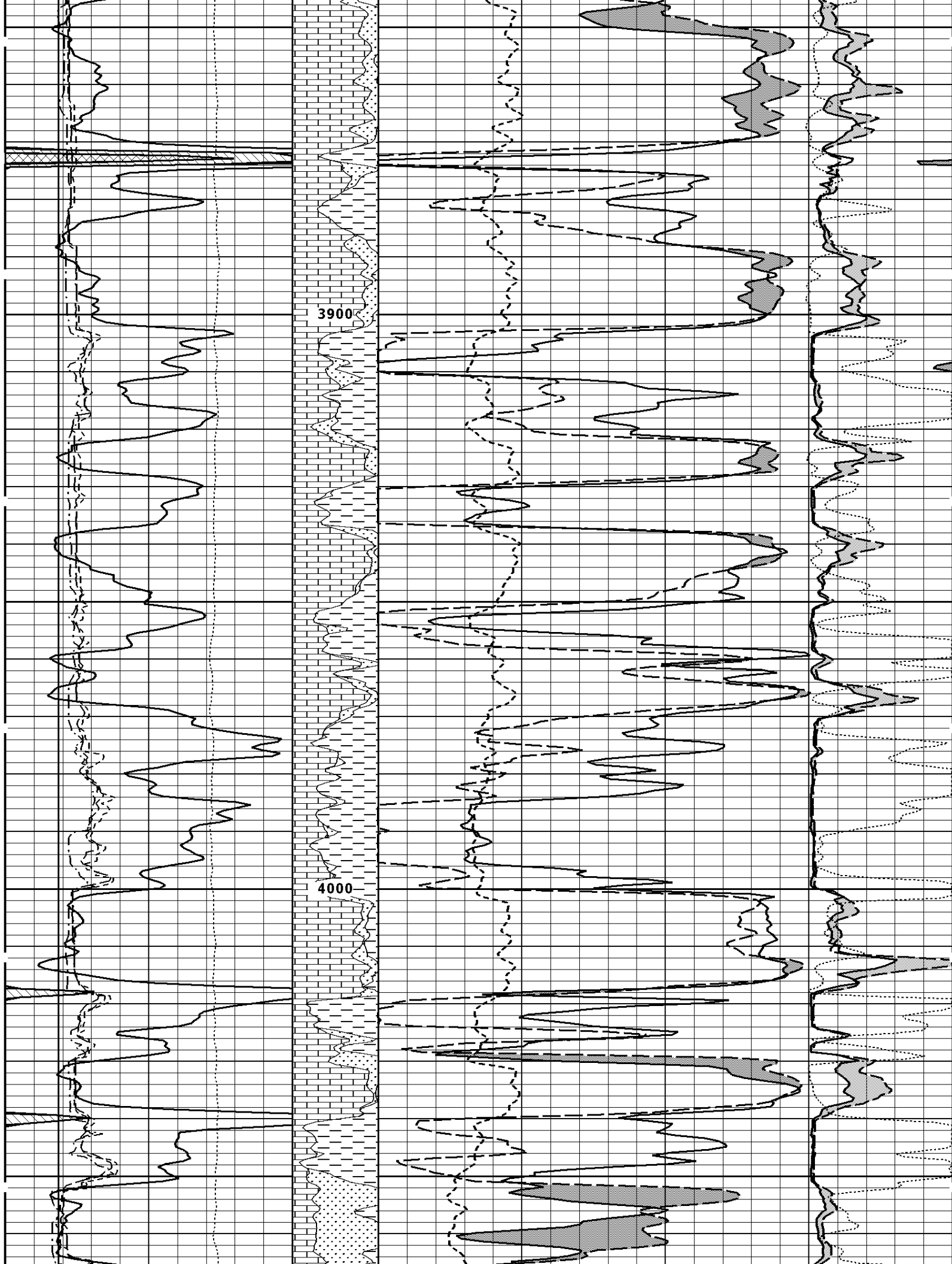
NORMAL
OHMH

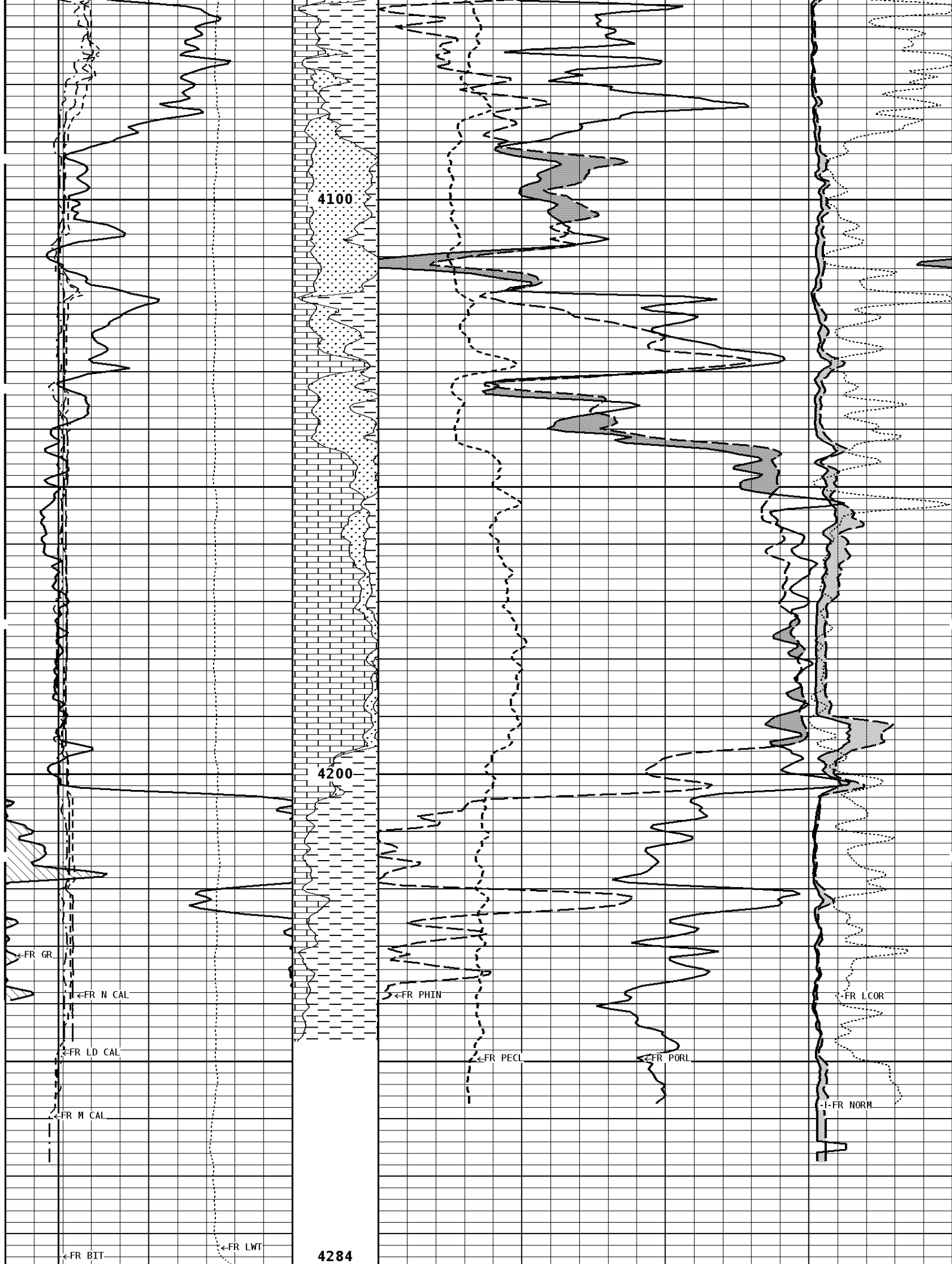
6	16			0	40
NEUTRON (Y) CALIPER INCHES (IN)				INVERSE OHMM	
16	26			0	40
6	16				
DENSITY (X) CALIPER INCHES (IN)		Volume Quartz	PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC	
16	26				
6	16	0	10	-0.25	0.25
TENSION LBS		Volume Calcite	DENSITY POROSITY (2.71g/cc) PERCENT		
10000	0		70		30
			30		-10
			-10		-50
GAMMA RAY API UNITS		Volume DoLo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT		
150	300				
0	150		30		-10

1:240 MAIN SECTION









4100

4200

4284

←FR GR

←FR N CAL

←FR LD CAL

←FR M CAL

←FR BIT

←FR LWT

←FR PHIN

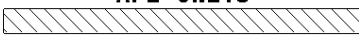
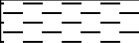
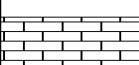

←FR PECL

←FR PORL

←FR LCOR

←FR NORM

1:240 MAIN SECTION

GAMMA RAY API UNITS 150  300 0 150		Volume Dolo/Shale  30	NEUTRON POROSITY (LIMESTONE) PERCENT ----- -10	
TENSION LBS 10000 0		Volume Calcite  70 30 -10	DENSITY POROSITY (2.71g/cc) PERCENT ----- 30 ----- -10 ----- -50	
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16		Volume Quartz  0	PE CROSS-SECTION BARNS/ELECTRON ----- 10	DENSITY CORRECTION G/CC ----- -0.25 ----- 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16				INVERSE OHMH 0 ----- 40
BIT SIZE INCHES (IN) 6 16				NORMAL OHMH 0 ----- 40
CALIPER MICRO INCHES (IN) 16 26 6 16				

*** Borehole Zone Factors ***

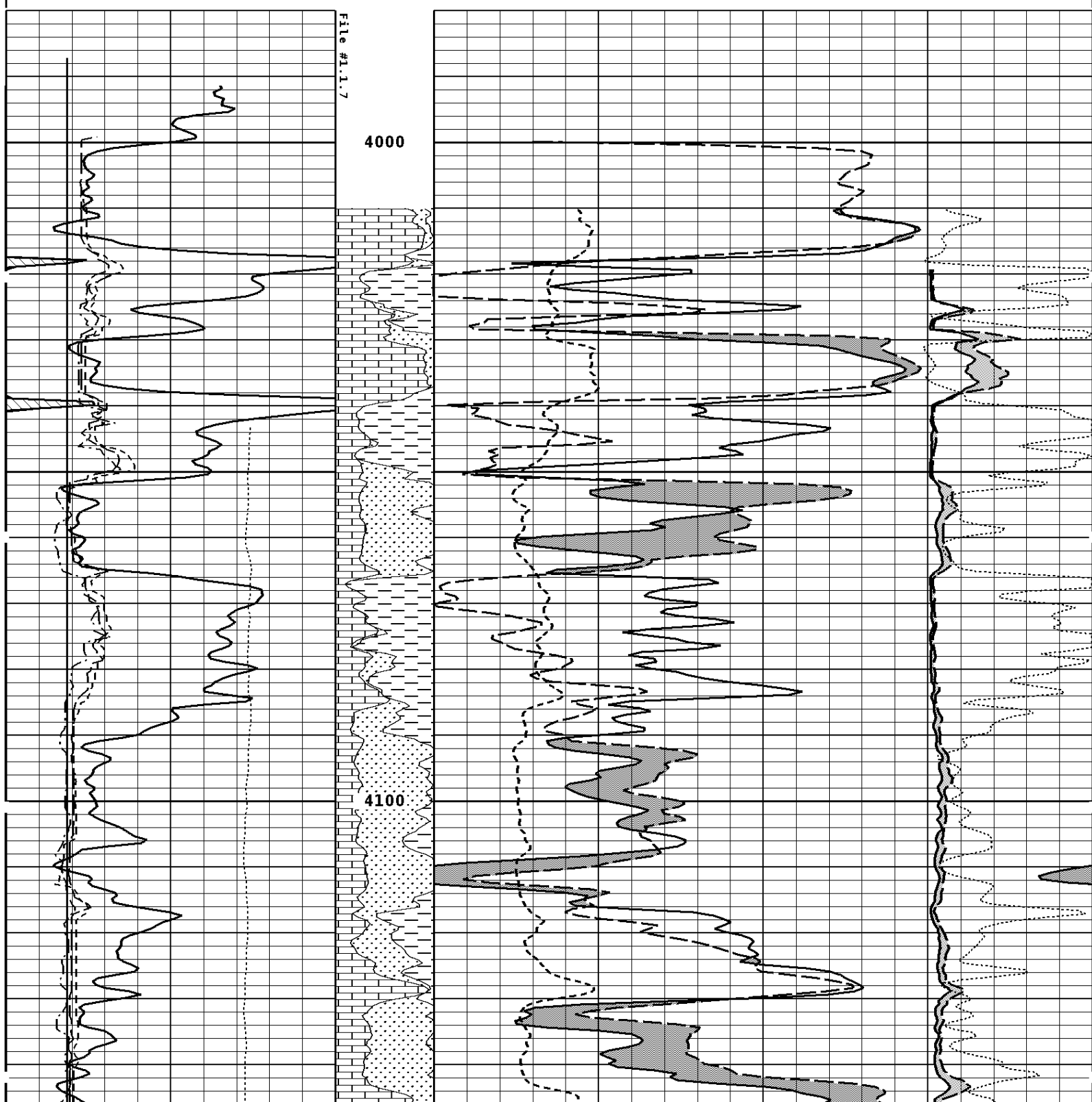
Zone 1 99999.0 to 0.0 Feet		
Matrix Density	_____	2.71 g/cc
Fluid Density	_____	1.00 g/cc
Formation Matrix	_____	Limestone
Drill Bit Size	_____	7.875 in
Casing Diameter	_____	5.500 in
Casing Thickness	_____	0.250 in
Casing Correction (PHI N)	_____	Disable

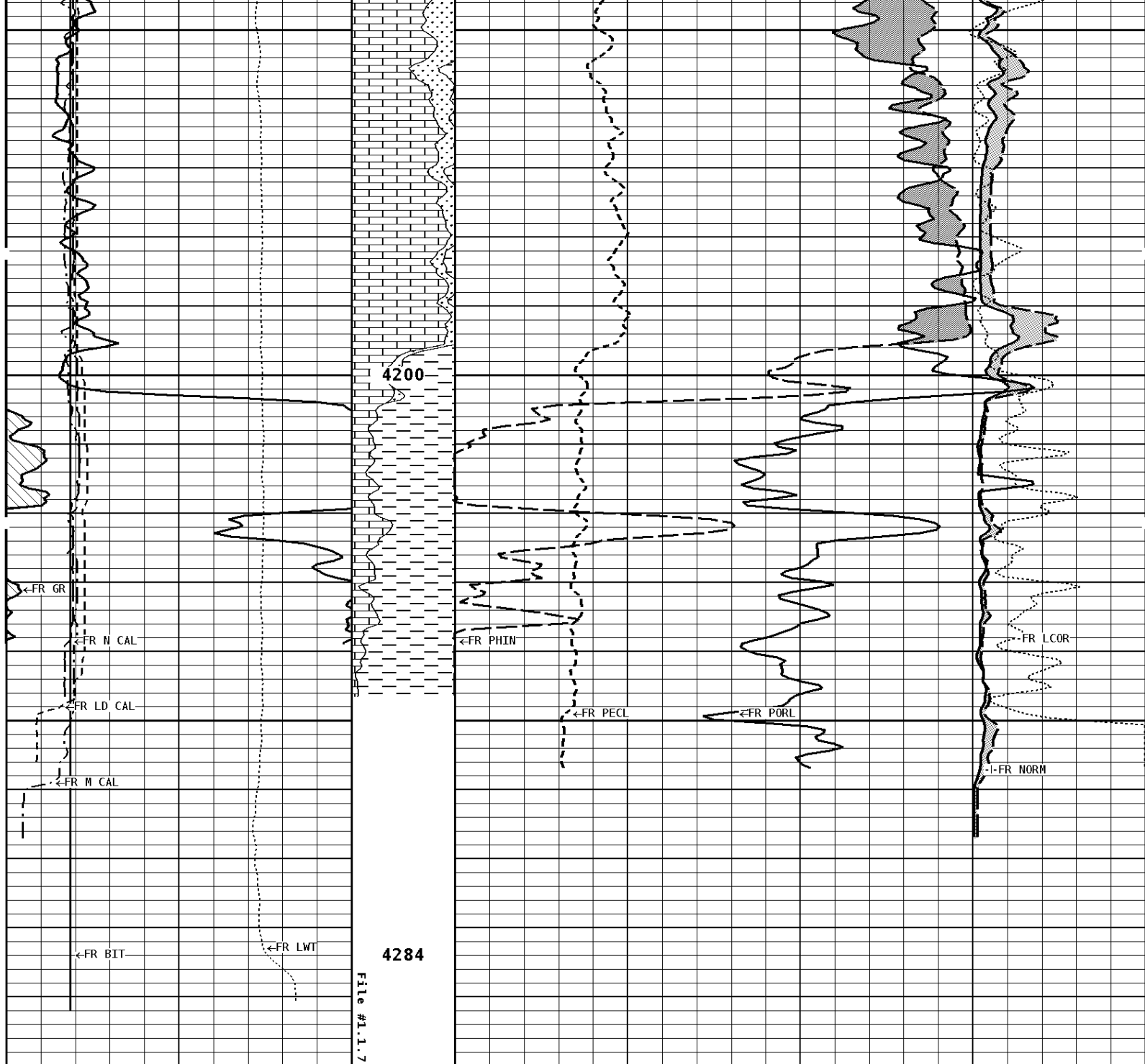
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Segment: V1.D1.S7 REPEAT	Acquired: 2015-03/21 02:28 3.4.0-13477	
Reference: 0	Processed: 2015-03/21 04:13 3.4.0-13477	

CALIPER MICRO INCHES (IN) 16 26 6 16				
BIT SIZE INCHES (IN) 6 16				NORMAL OHMH 0 ----- 40
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16				INVERSE OHMH 0 ----- 40
DENSITY (X) CALIPER INCHES (IN) 16 26		Volume Quartz -----	PE CROSS-SECTION BARNS/ELECTRON -----	DENSITY CORRECTION G/CC -----

6	16	0	10	-0.25	0.25
TENSION LBS		Volume Calcite	DENSITY POROSITY (2.71g/cc) PERCENT		
10000	0	70 30 -10	30 -10 -50		
GAMMA RAY API UNITS		Volume Dolo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT		
150	300	30	-10		
0	150				

1:240 REPEAT SECTION





1:240 REPEAT SECTION

<p>GAMMA RAY API UNITS</p> <p>150 0 300 150</p>	<p>Volume Dolo/Shale</p> <p>30</p>	<p>NEUTRON POROSITY (LIMESTONE) PERCENT</p> <p>-10</p>	
<p>TENSION LBS</p> <p>10000 0</p>	<p>Volume Calcite</p> <p>70 30 -10</p>	<p>DENSITY POROSITY (2.71g/cc) PERCENT</p> <p>30 -10 -50</p>	
<p>DENSITY (X) CALIPER INCHES (IN)</p> <p>16 6 26 16</p>	<p>Volume Quartz</p> <p>0</p>	<p>PE CROSS-SECTION BARN/ELECTRON</p> <p>10</p>	<p>DENSITY CORRECTION G/CC</p> <p>-0.25 0.25</p>
<p>NEUTRON (Y) CALIPER INCHES (IN)</p>			<p>INVERSE OHMM</p>

16 6	26 16
BIT SIZE INCHES (IN)	
6	16
CALIPER MICRO INCHES (IN)	
16 6	26 16

0	40
NORMAL OHMH	
0	40

* Borehole Zone Factors *

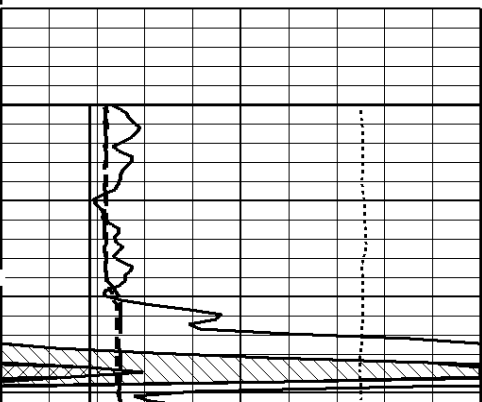
Zone 1 99999.0 to 0.0 Feet		
Matrix Density	2.71	g/cc
Fluid Density	1.00	g/cc
Formation Matrix	Limestone	
Drill Bit Size	7.875	in
Casing Diameter	5.500	in
Casing Thickness	0.250	in
Casing Correction (PHI N)	Disable	

Well File: pro-roe-3-mar-21 Scale: 1:240 Format: LDT-240
 Segment: V1.D1.S6 MAIN Acquired: 2015-03/21 02:48 3.4.0-13477
 Reference: 0 Processed: 2015-03/21 04:12 3.4.0-13477

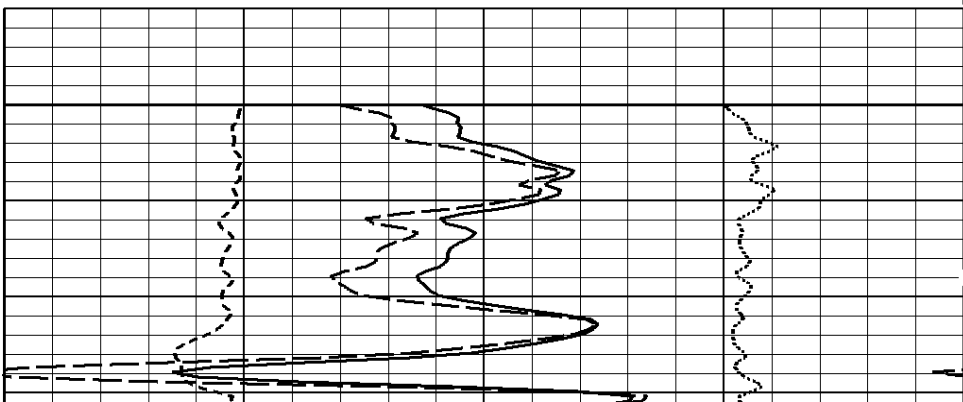
BIT SIZE INCHES (IN)	
6	16
NEUTRON (Y) CALIPER INCHES (IN)	
16 6	26 16
DENSITY (X) CALIPER INCHES (IN)	
16 6	26 16
TENSION LBS	
10000	0
GAMMA RAY API UNITS	
150 0	300 150

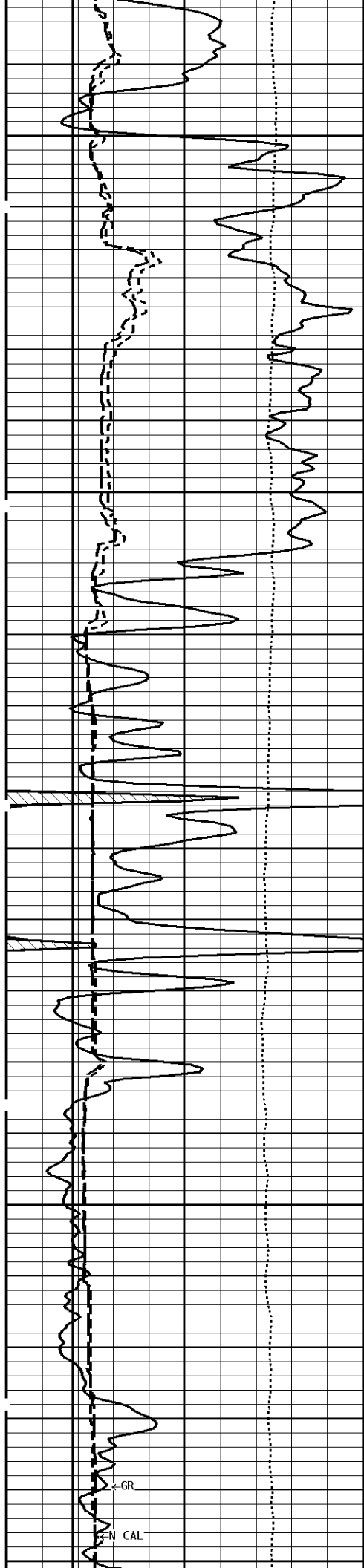
PE CROSS-SECTION BARN/ELECTRON		DENSITY CORRECTION G/CC	
0	10	-0.25	0.25
COMPENSATED BULK DENSITY G/CC			
3.0			4.0
2.0			3.0
1.0			2.0
- BHV AHV - CU. FT		DENSITY POROSITY (2.71g/cc) PERCENT	
70			30
30			-10
-10			-50

1:240 MAIN SECTION
BULK DENSITY



3500





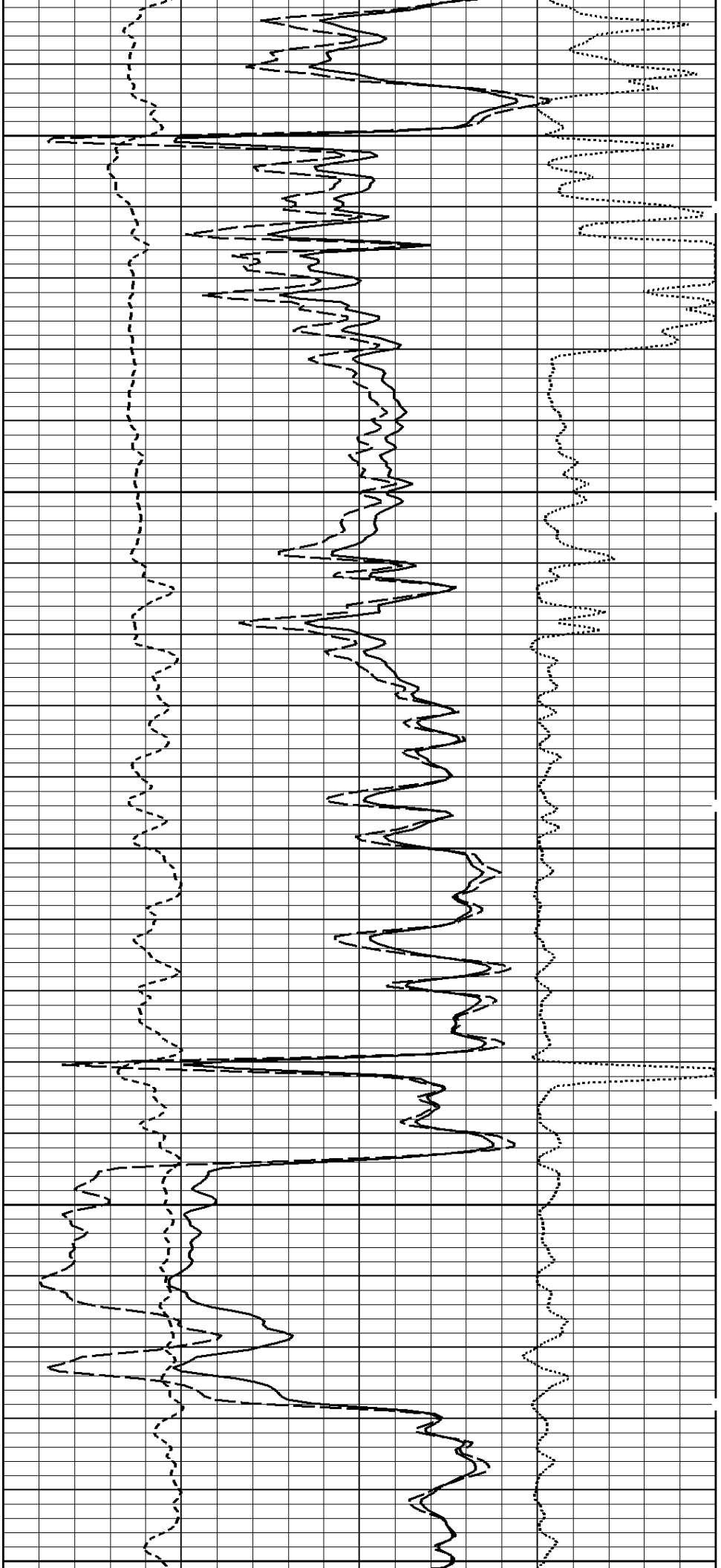
3600

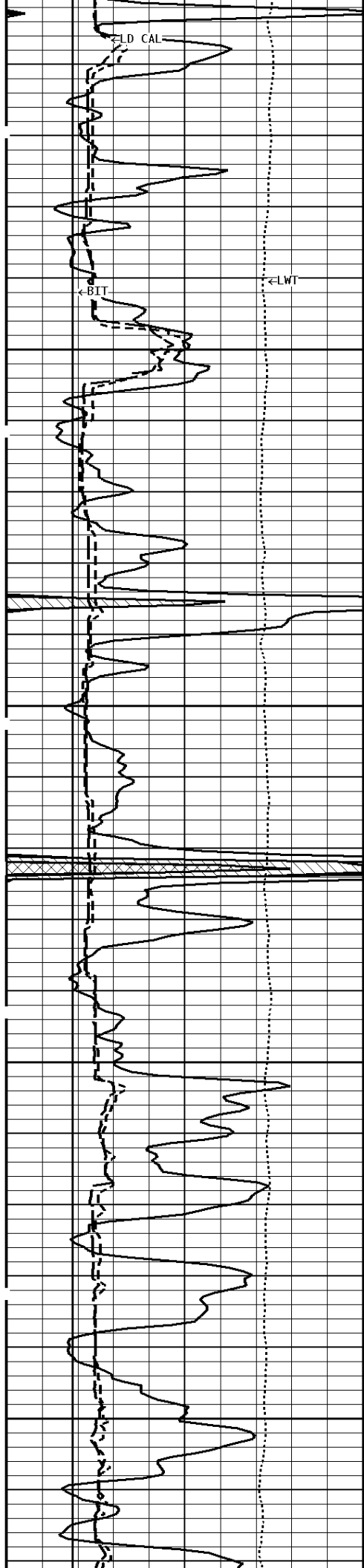
3700

--200Cu.Ft

←GR

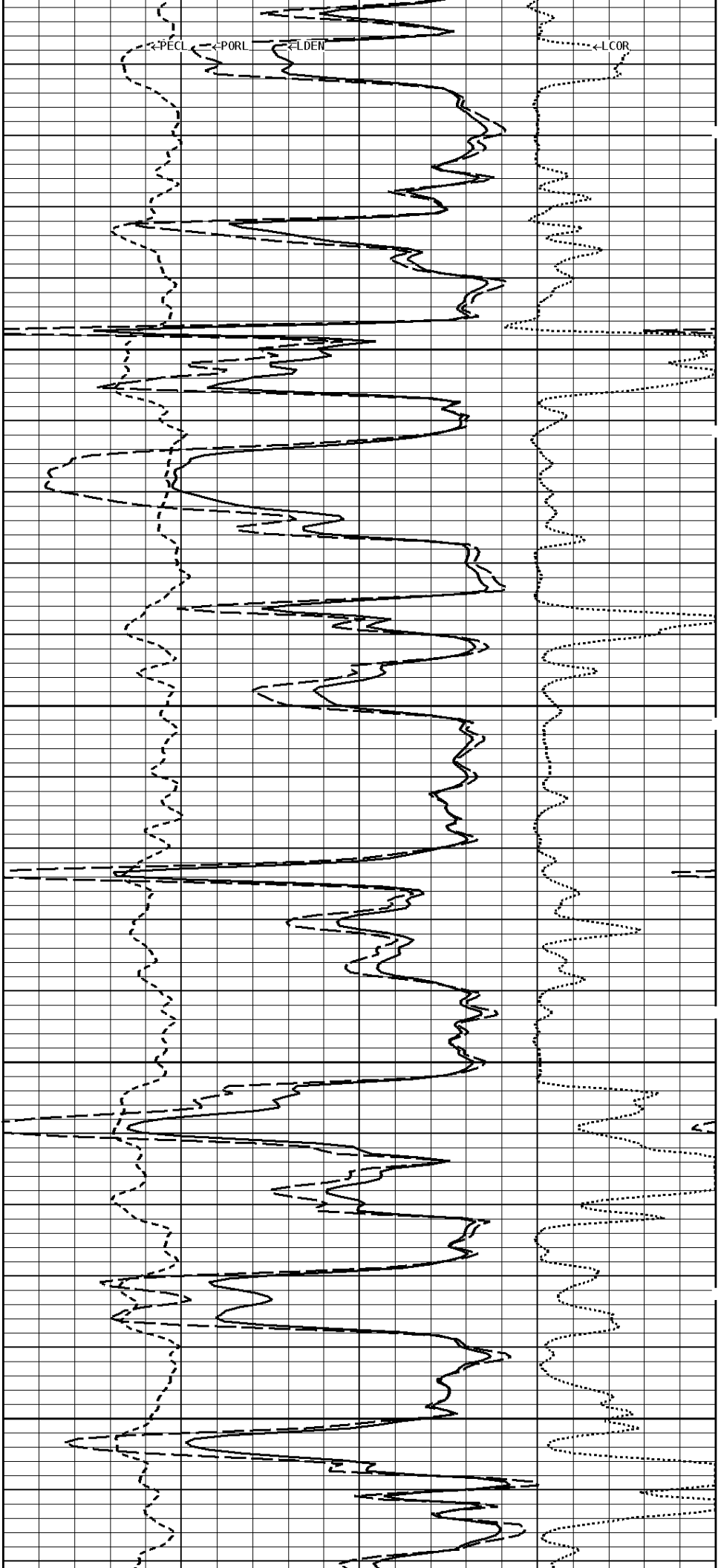
←N CAL

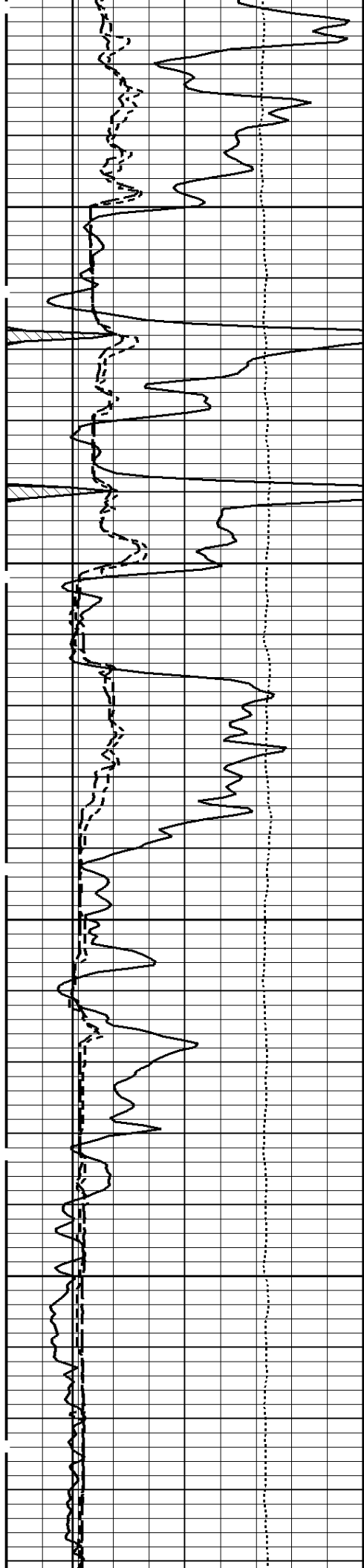




3800 Ft.

3900

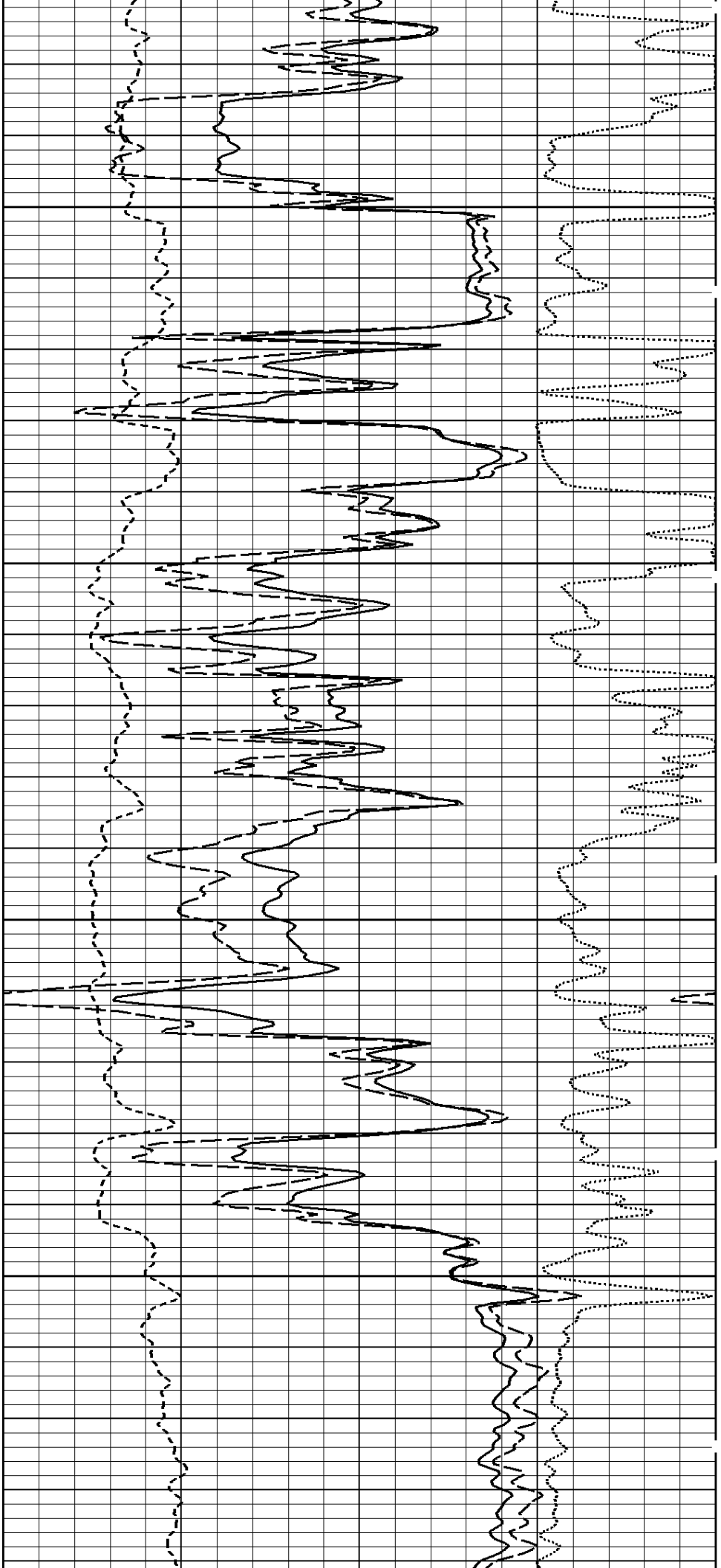


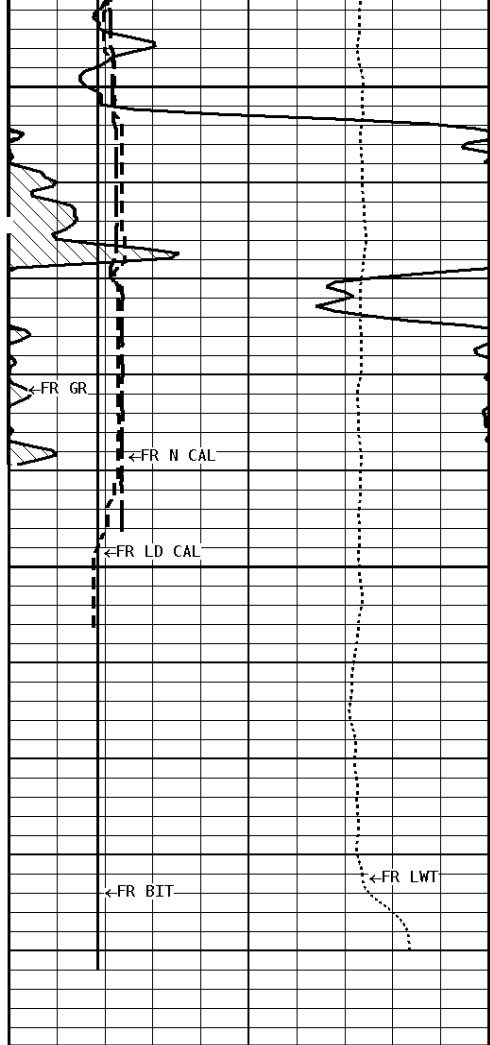


-100Cu.Ft

4000

4100

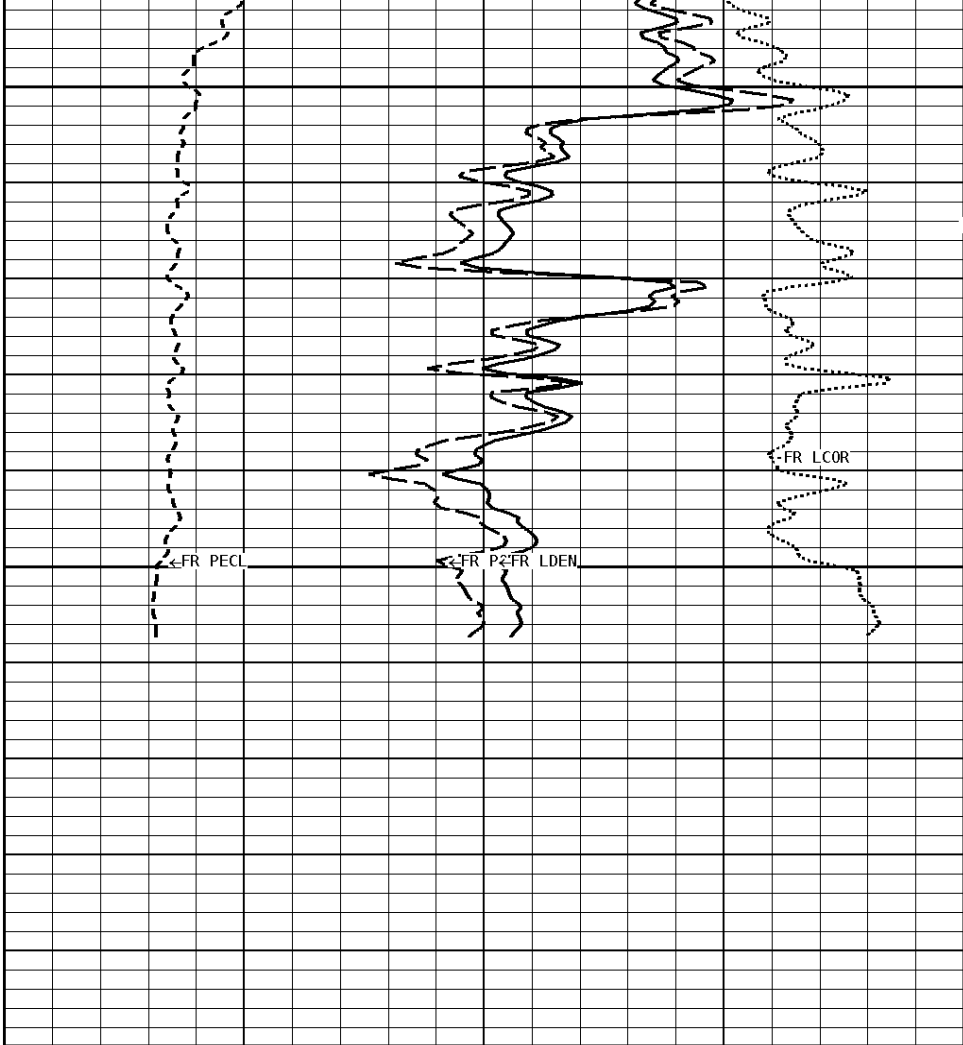




4200

4284

File #1.1.6



1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY API UNITS 150 0 300 150	
TENSION LBS 10000 0	
DENSITY (X) CALIPER INCHES (IN) 16 6 26 16	
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16	
BIT SIZE INCHES (IN) 6 16	

-BHV AHV- CU.FT	DENSITY POROSITY (2.71g/cc) PERCENT 70 30 -10 ----- -10 -50	
	COMPENSATED BULK DENSITY G/CC 3.0 4.0 2.0 3.0 1.0 2.0	
	PE CROSS-SECTION BARNS/ELECTRON 0 10	DENSITY CORRECTION G/CC -0.25 0.25

*** Borehole Zone Factors ***

Zone 1 99999.0 to 0.0 Feet		
Matrix Density	_____	2.71 g/cc
Fluid Density	_____	1.00 g/cc

Formation Matrix	Limestone
Drill Bit Size	7.875 in
Casing Diameter	5.500 in
Casing Correction (PHI N)	Disable

*** Calibration Summary ***

Shop Calibration					
GRT-B					
Performed : 13-Mar-2015			Time : 09:44		
Sensor Suite : GR-GR5			ID : GRT-BA-015		
	Measured	Units	Calibrated	Units	
GR	Background Jig	CPS	Jig	GRAPI	
	48 350		175		
Shop Calibration					
CNT-AA					
Performed : 11-MAR-2015			Time : 10:07		
Sensor Suite : CALI-BCN			ID : NDT-BB-123		
	Jig - Measured	Units	Jig - Calibrated	Units	
CL # 1	Ring#1 Ring#2	IN.	Ring#1 Ring#2		
	9.5 14.4		6.0 12.0		
Performed : 11-Mar-2015			Time : 15:19		
Sensor Suite : BHC NEUT			ID : CNP-AA-101		
Source ID : N-1045					
	Measured	Calibrated	Verification	Units	
N/F	Tank	Jig			
Porosity	3.4721 17.3	3.6893 20.5	3.6791 20.3	%	
Shop Calibration					
LDT-DF					
Performed : 11-Mar-2015			Time : 16:09		
Sensor Suite : CALI-LTH			ID : PDT-G-426		
	Jig - Measured	Units	Jig - Calibrated	Units	
CL # 1	Ring#1 Ring#2	IN.	Ring#1 Ring#2		
	7.5 11.4		6.0 12.0		
Performed : 11-Mar-2015			Time : 15:59		
Sensor Suite : BHCPENLG			ID : LDP-DA-50		
Source ID : 2991GW					
Short Space					
	BKGD	Al	Mg	Al+Fe	Units
LSW1	88	1189	1867	700	CPS
LSW2	91	1286	2014	918	CPS
LSW3	323	2861	4587	2486	CPS
LSW4	404	2447	3604	2352	CPS
LSW5	58	55	64	52	CPS
LSW6	96	85	88	96	CPS
LSW7	59	54	54	61	CPS
LSW8	2	4	5	4	CPS
QS	0.235	0.225	0.243	0.220	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	143	1422	5701	789	CPS
LLW2	175	2058	7977	1547	CPS
LLW3	558	3637	13745	3287	CPS
LLW4	642	1744	5538	1688	CPS
LLW5	98	76	128	71	CPS
LLW6	169	151	129	165	CPS
LLW7	109	92	101	109	CPS
LLW8	6	10	26	8	CPS
QL	0.215	0.240	0.123	0.201	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC
Shop Calibration					
MST-DA					
Performed : 13-Mar-2015			Time : 09:49		
Sensor Suite : CALI-MSN			ID : MST-DA-32		
	Jig - Measured	Units	Jig - Calibrated	Units	
CL # 1	Ring#1 Ring#2	IN.	Ring#1 Ring#2		
	7.0 11.4		6.0 12.0		

Performed : 13-Mar-2015		Time : 09:37				
Sensor Suite : MSTDA-NI		ID : MST-DA-32				
Internal						
	Zero	Measured Reference	Units	Zero	Calibrated Reference	Units
INV-V	0.0	29663.2		0.00	1346.00	MV
NOR-V	0.0	30201.0		0.00	1446.00	MV
IN-C	0.0	61521.6		0.00	15.46	UA
INV-R					28.16	OHMM
NOR-R					51.54	OHMM
Performed : 13-Mar-2015		Time : 09:35				
Sensor Suite : MSTDAMSF		ID : MST-DA-32				
Internal						
	Zero	Measured Reference	Units	Zero	Calibrated Reference	Units
MSFC	8.1	42183.6		0.00	1522.00	UA
MSFB	32756.9	32938.9		0.00	1522.00	MA
MOM1	0.0	43969.5		0.00	1522.00	MV
MSFRA					43.30	OHMM



Tucker
ENERGY SERVICES

Company: PROLIFIC RESOURCES LLC.
 Well: ROESLER #3
 Location: 836' FSL & 1833' FWL
 Logged: 03-21-2015
 K.B. Elev: 2048.0 Ft