

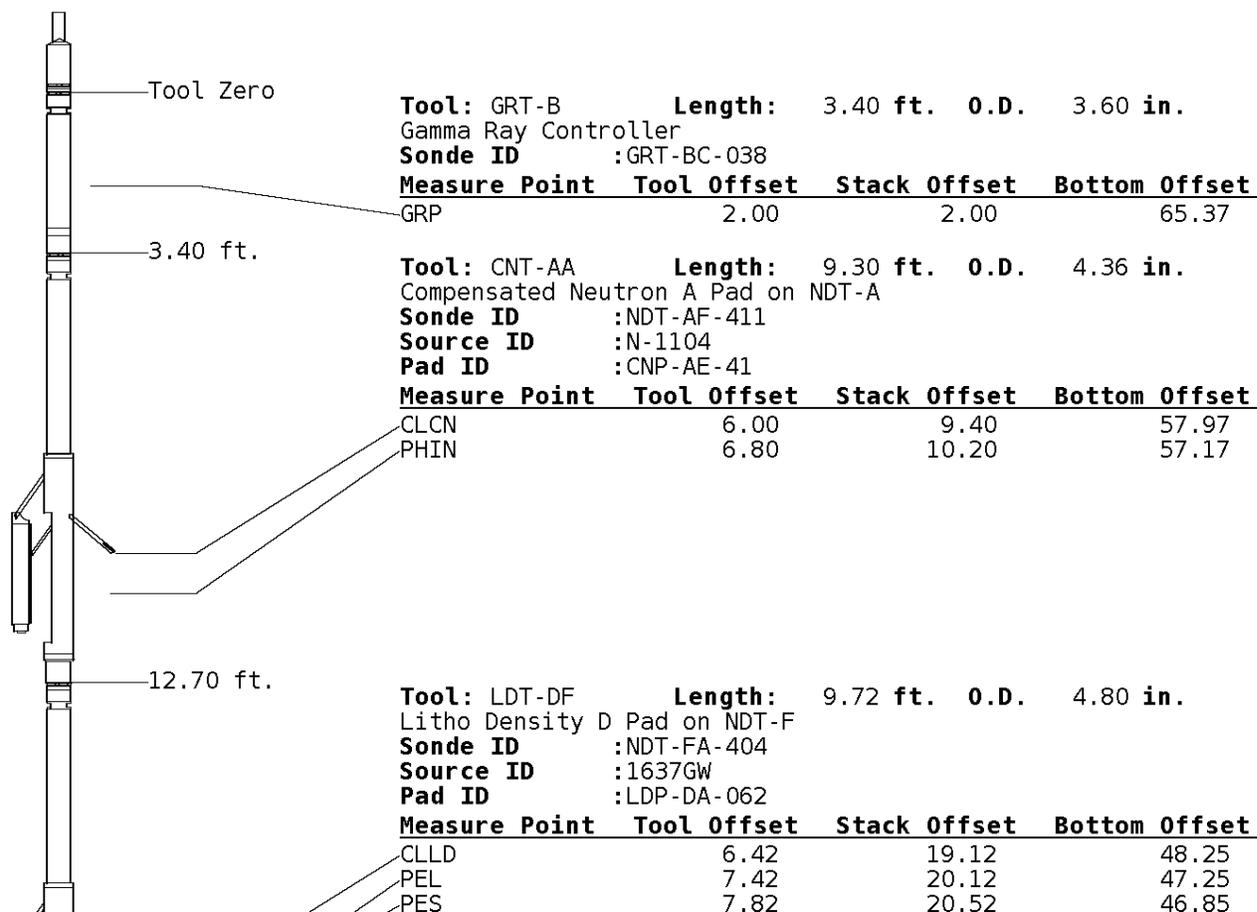
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, CST, MLT AND PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR HOLE VOLUME CALCULATED USING 5.5" PRODUCTION CASING
 PHIN IS CALIPER CORRECTED

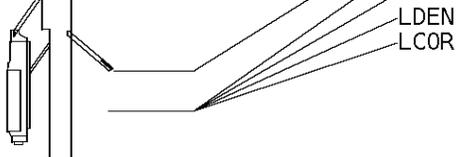
GRT: GRP
 CNT: PHIN, CLCNIN,
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN
 CST: PORS, CDTF, TTIPF, TT2PF, TT3PF, TT4PF, ITT
 MLT: NOR_RF, INV_RF, MSCLPIN
 PIT: ILD, ILM, SPU, SFLAEC, CIRD

OPERATORS:
 D. RAGSDALE
 J. VAUGHN
 D.LEGLEITER
 Z.AL SUDANI

Tool String Schematic

Total Tool Length - 67.37 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1171.00 lbs.



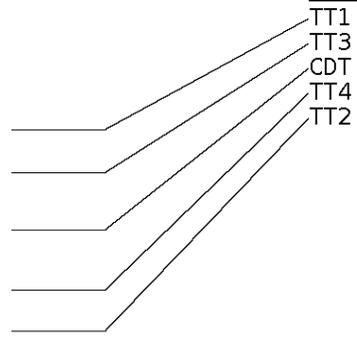


7.62 20.32 47.05
 7.62 20.32 47.05

22.42 ft.

Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-21

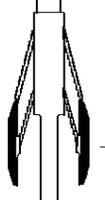
Measure Point	Tool Offset	Stack Offset	Bottom Offset
TT1	4.80	27.22	40.15
TT3	5.80	28.22	39.15
CDT	7.30	29.72	37.65
TT4	8.80	31.22	36.15
TT2	9.80	32.22	35.15



36.22 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC,D)
Sonde ID :MST-DA-36

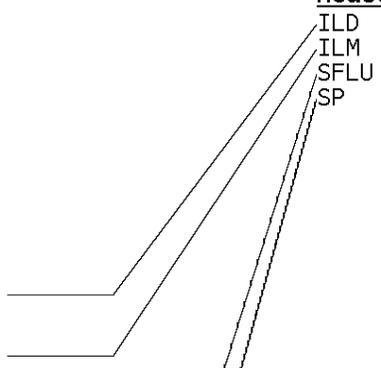
Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	43.82	23.55
MSCLP	7.60	43.82	23.55
INV	7.60	43.82	23.55
NOR	7.60	43.82	23.55



45.88 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-043

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.80	12.56
ILM	10.10	55.98	11.39
SFLU	17.49	63.37	4.00
SP	20.60	66.48	0.88



LWT 67.37 ft.

Well File: MERIT CORA 1-16 FEB-28_QST

Scale: 1:240

Format: NLD-240

Segment: V1.D1.S5 Reprocess MAIN

Acquired: 2020-02/29 00:34 3.4.1-13972

Reference: 0

Processed: 2020-02/29 02:11 3.4.1-13972

CALIPER MICRO INCHES (IN)	
16	26
6	16

BIT SIZE INCHES (IN)	
6	16

NEUTRON (Y) CALIPER INCHES (IN)	
16	26
6	16

NORMAL OHMM	
0	40
INVERSE OHMM	
0	40

DENSITY (X) CALIPER INCHES (IN)	
16	26
6	16

Volume Quartz	PE CROSS-SECTION BARN/ELECTRON
0	10

DENSITY CORRECTION G/CC
-0.25
0.25

TENSION LBS	
10000	0

Volume Calcite	DENSITY POROSITY (2.71g/cc) PERCENT
70	30
30	-10
-10	-50

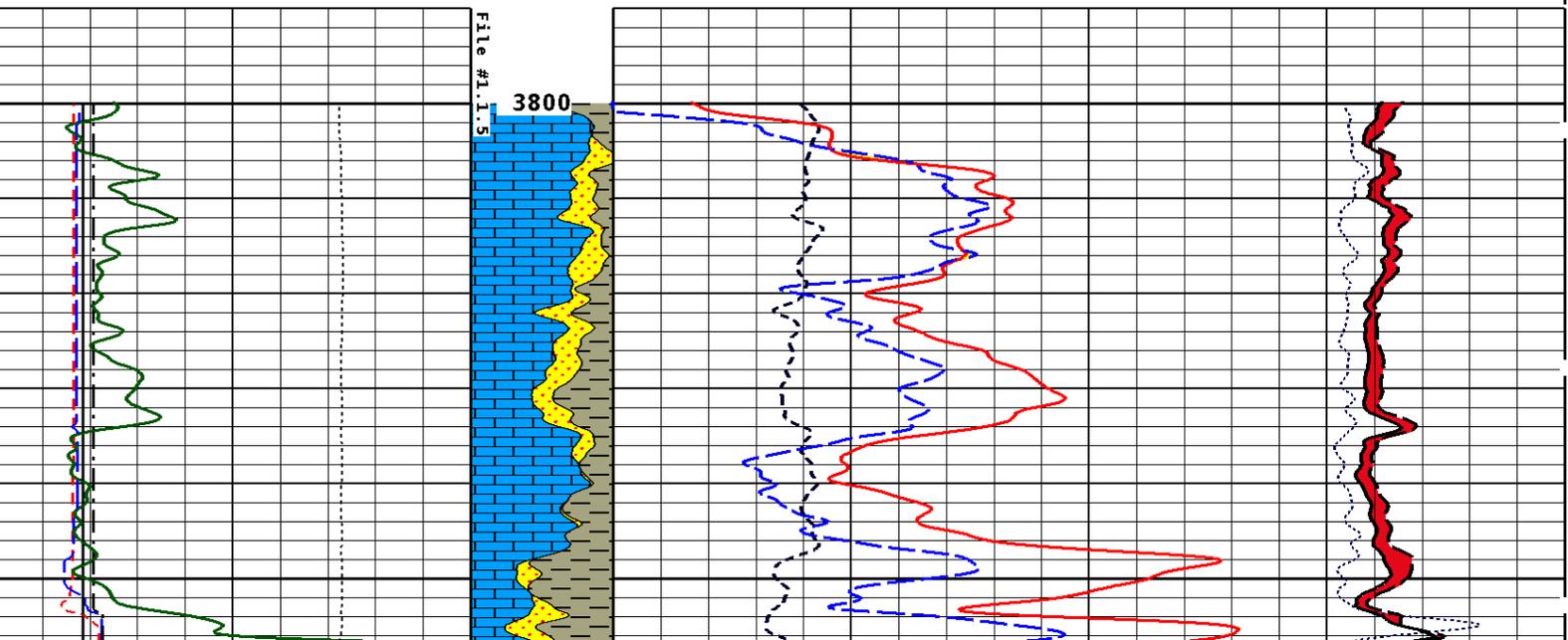
DENSITY POROSITY (2.71g/cc) PERCENT
30
-10
-50

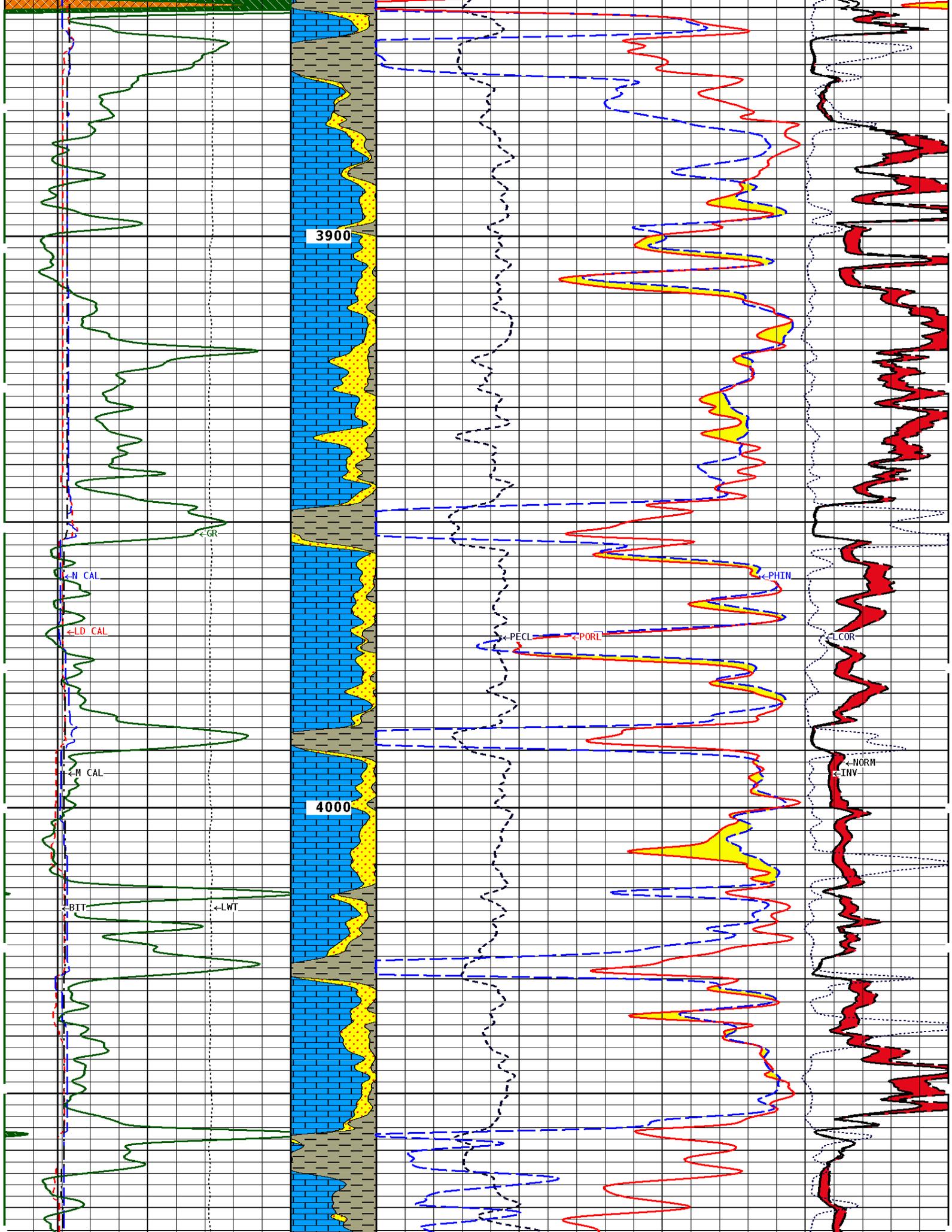
GAMMA RAY API UNITS	
150	300
0	150

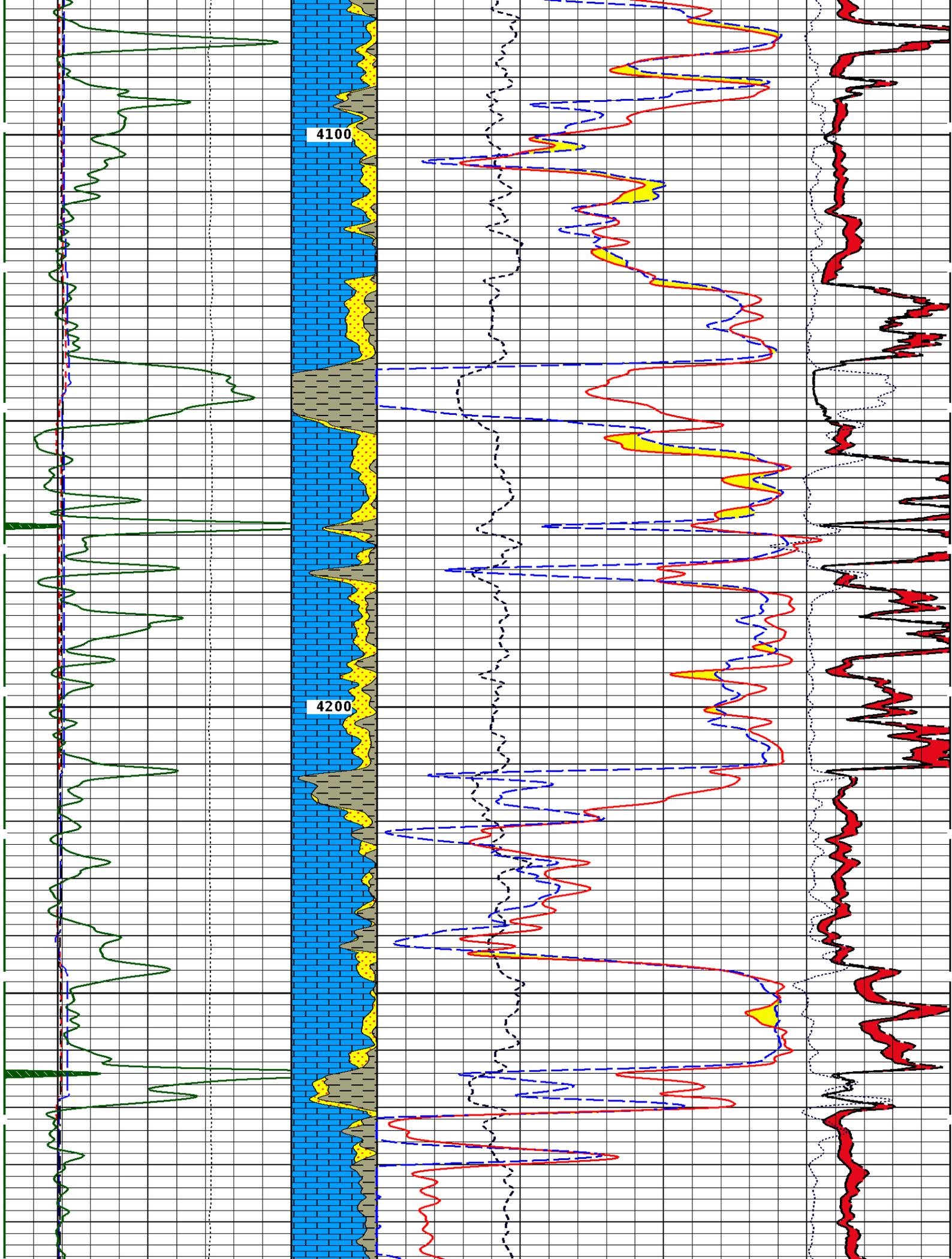
Volume Dolo/Shale	NEUTRON POROSITY (LIMESTONE) PERCENT
30	-10

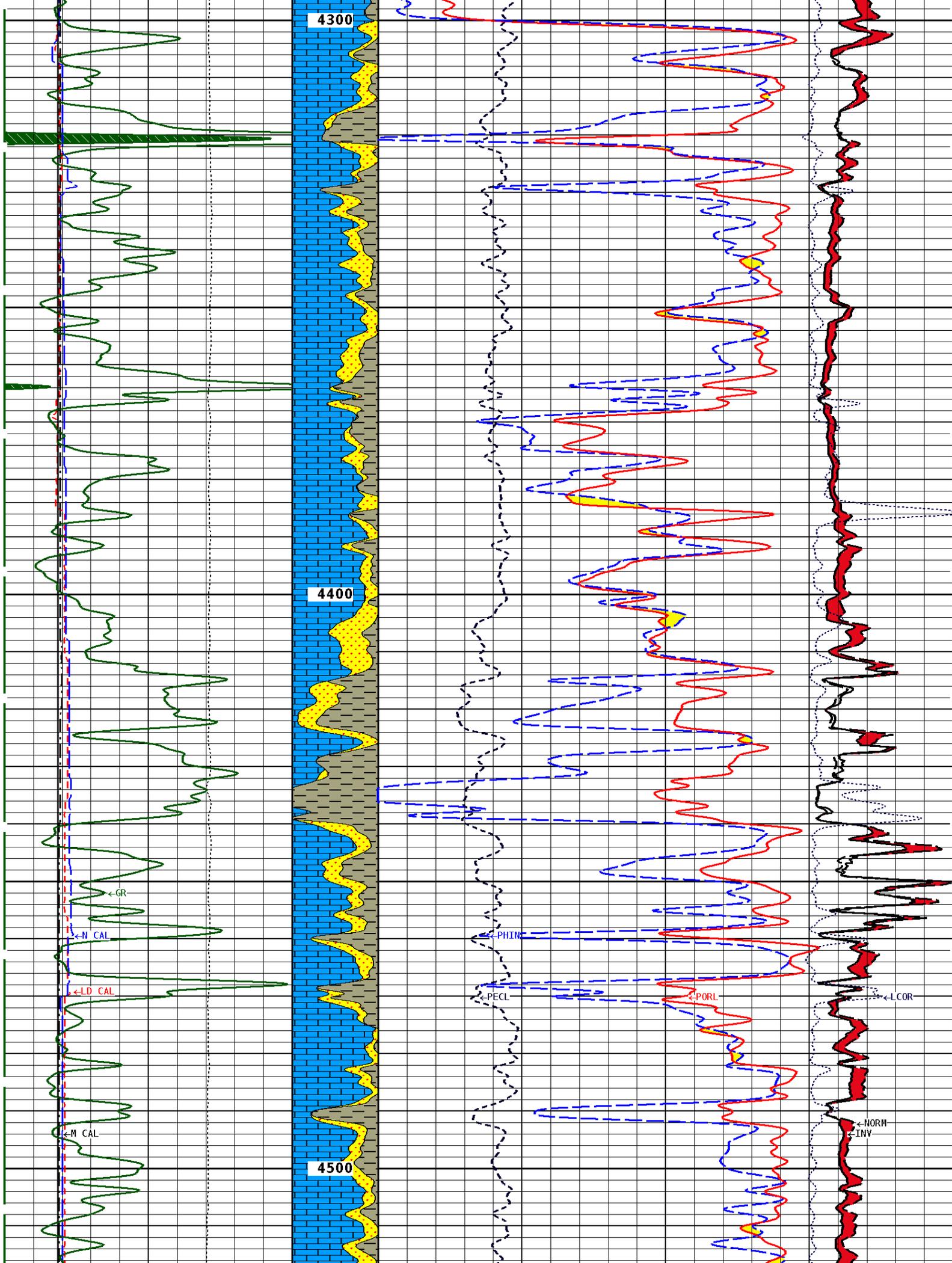
NEUTRON POROSITY (LIMESTONE) PERCENT
-10

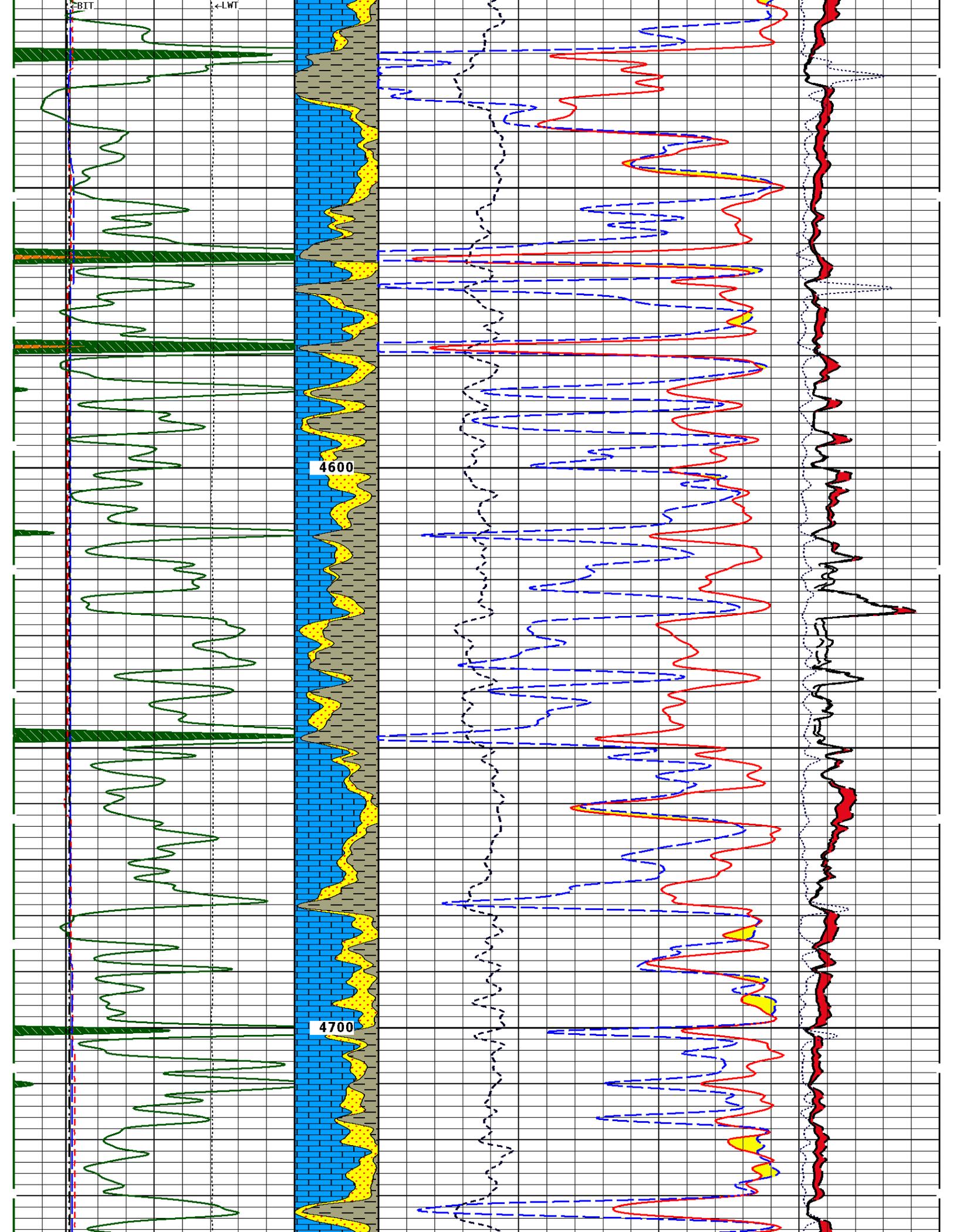
1:240 MAIN SECTION

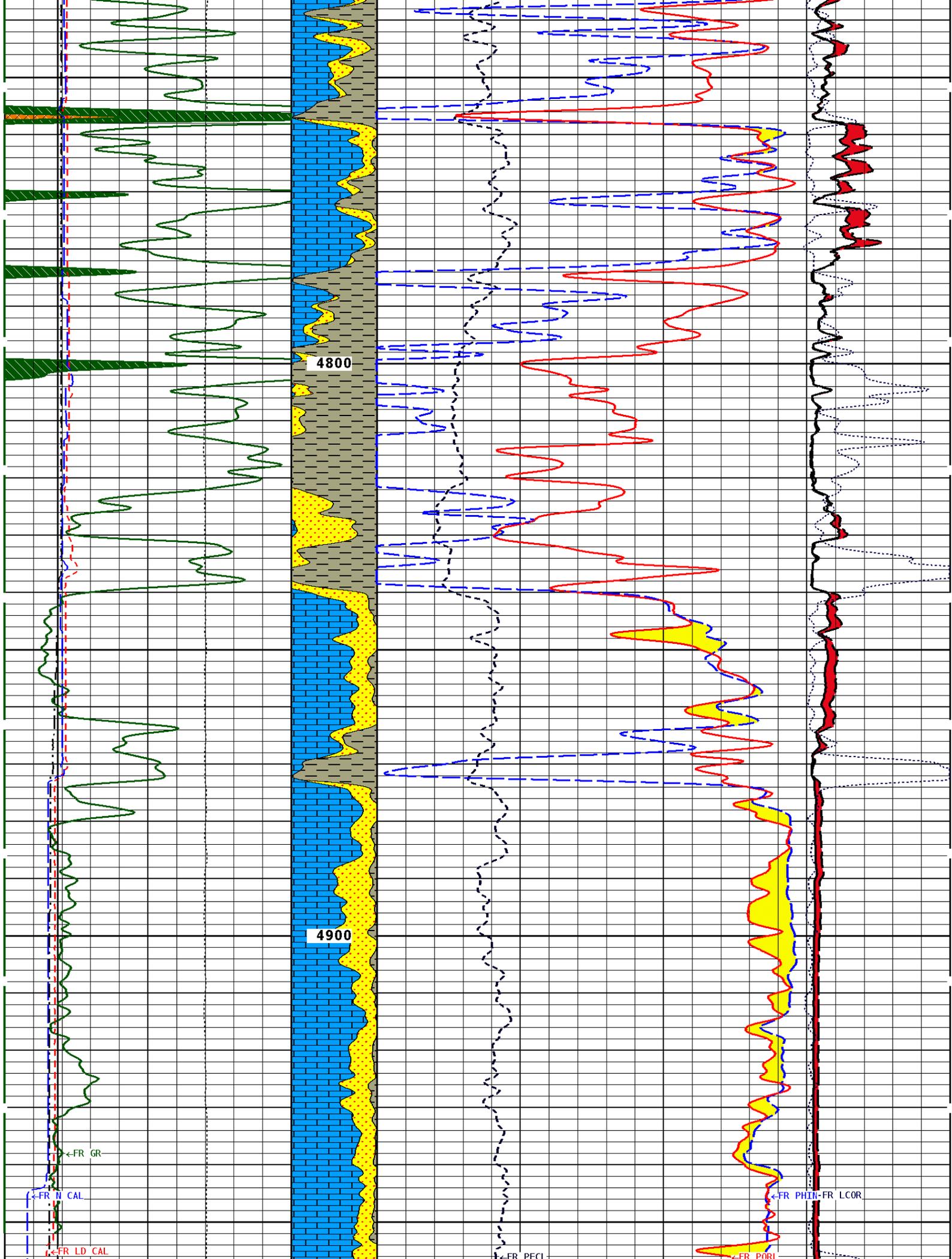


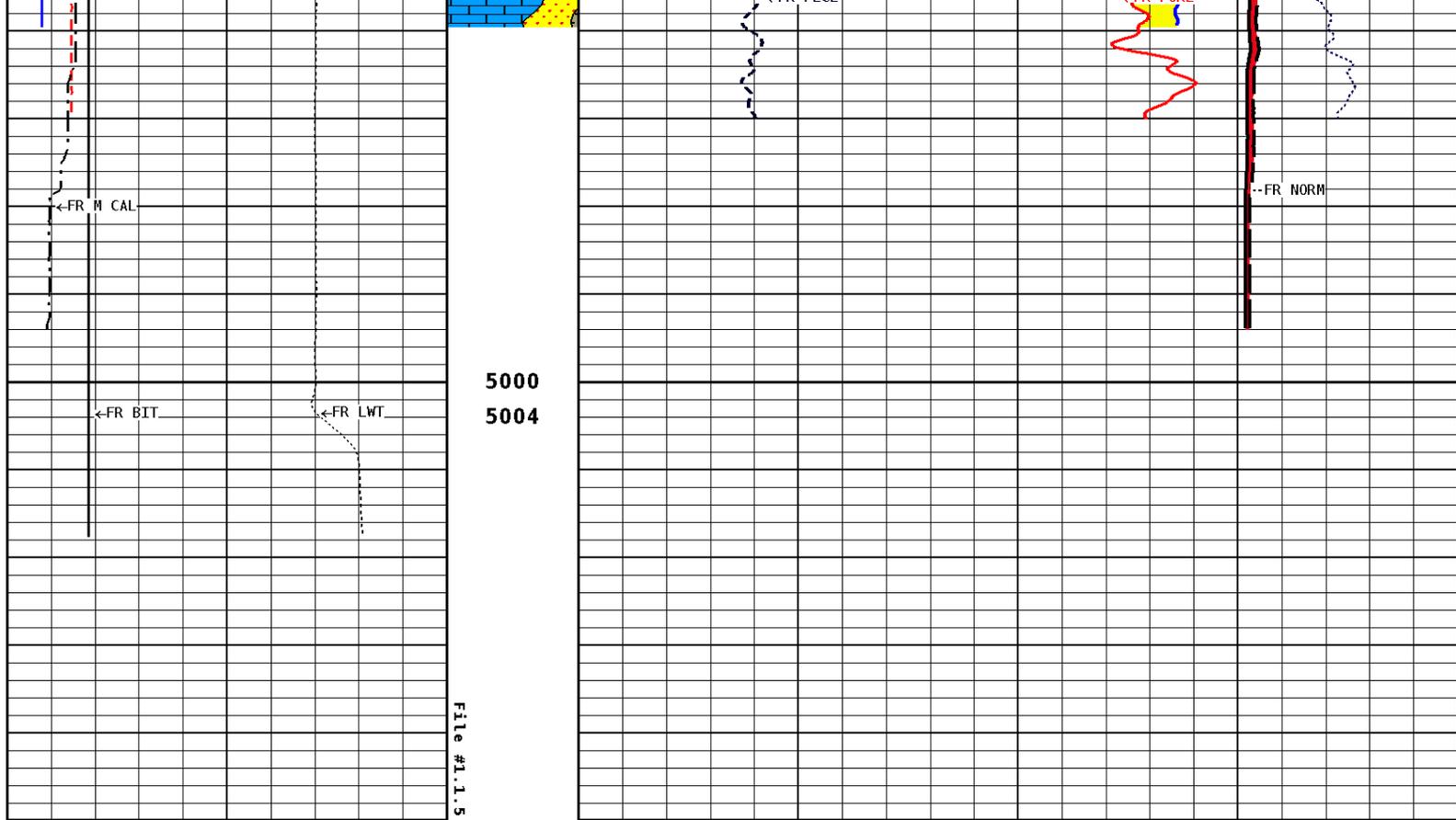




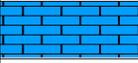








1:240 MAIN SECTION

GAMMA RAY API UNITS 150 0  300 150		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 6 26 16		Volume Quartz  0	PE CROSS-SECTION BARNS/ELECTRON 10	DENSITY CORRECTION G/CC -0.25 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16				INVERSE OHMM 0 40
BIT SIZE INCHES (IN) 6 16				NORMAL OHMM 0 40
CALIPER MICRO INCHES (IN) 16 6 26 16				

*** Borehole Zone Factors ***

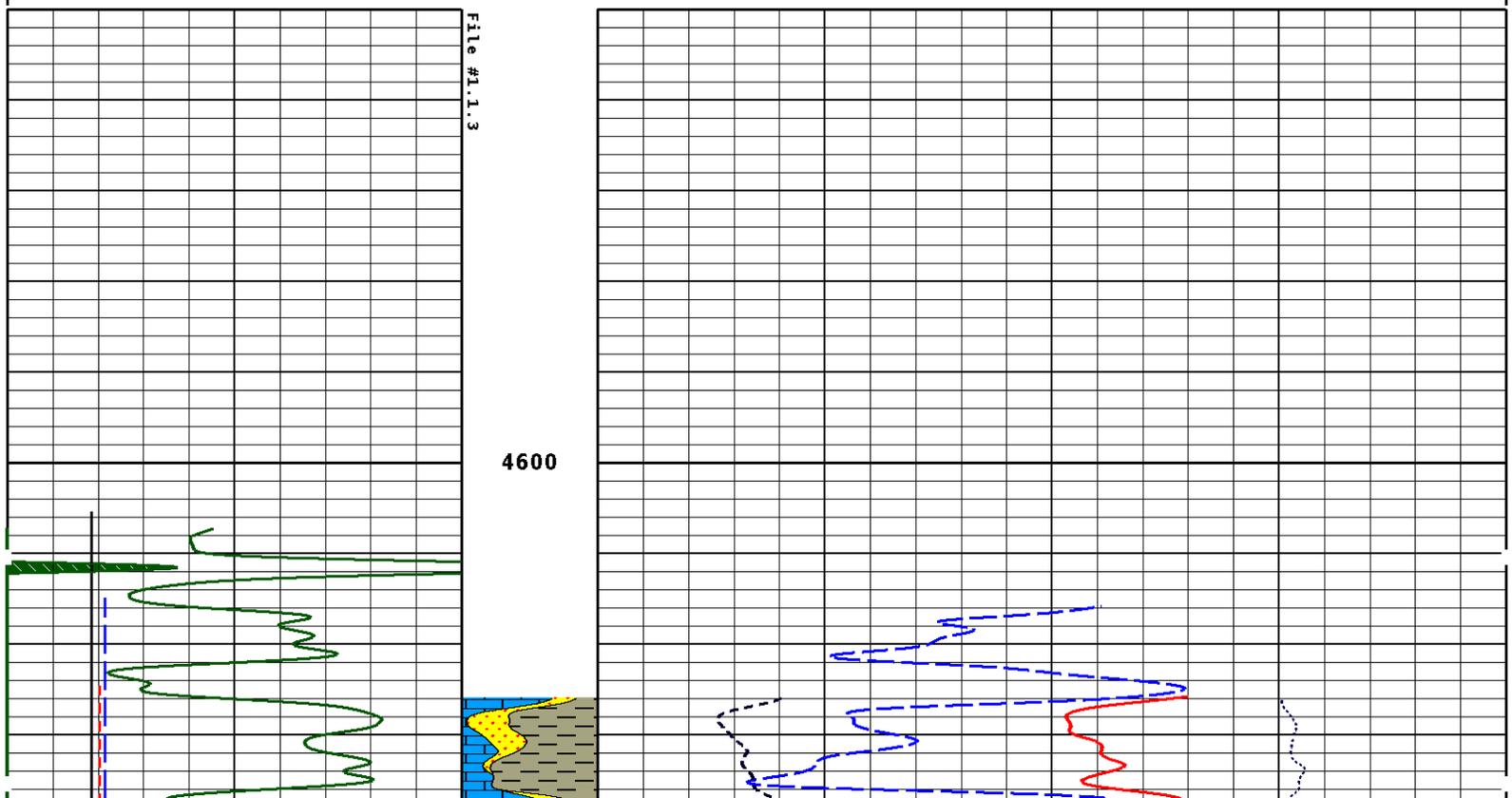
Zone 1	99999.0	to	0.0	Feet
Matrix Density	_____		2.71	g/cc
Fluid Density	_____		1.00	g/cc
Formation Matrix	_____		Limestone	

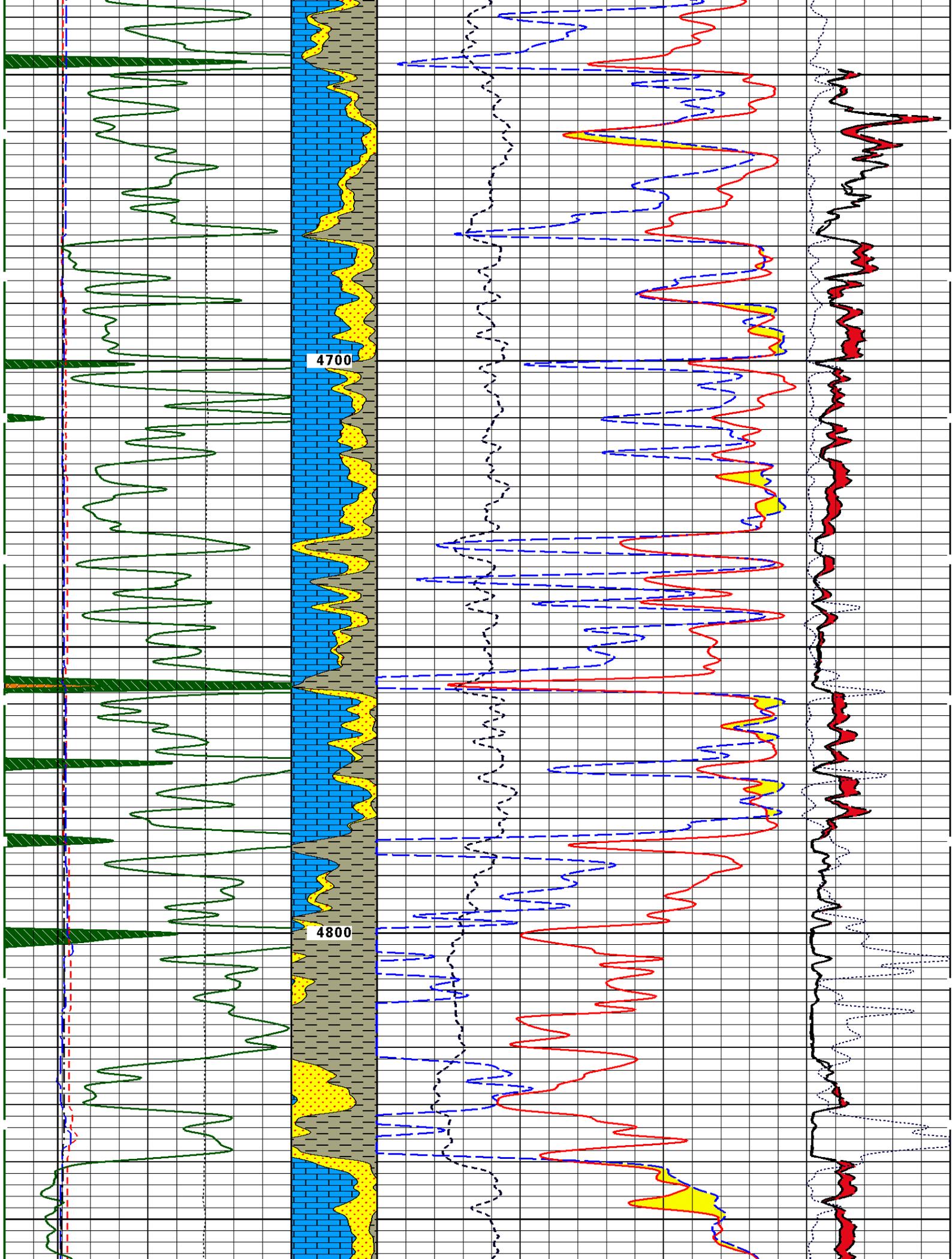
Formation Matrix	Limestone
Drill Bit Size	7.875 in
Casing Diameter	5.500 in
Casing Thickness	0.250 in
Casing Correction (PHI N)	Disable

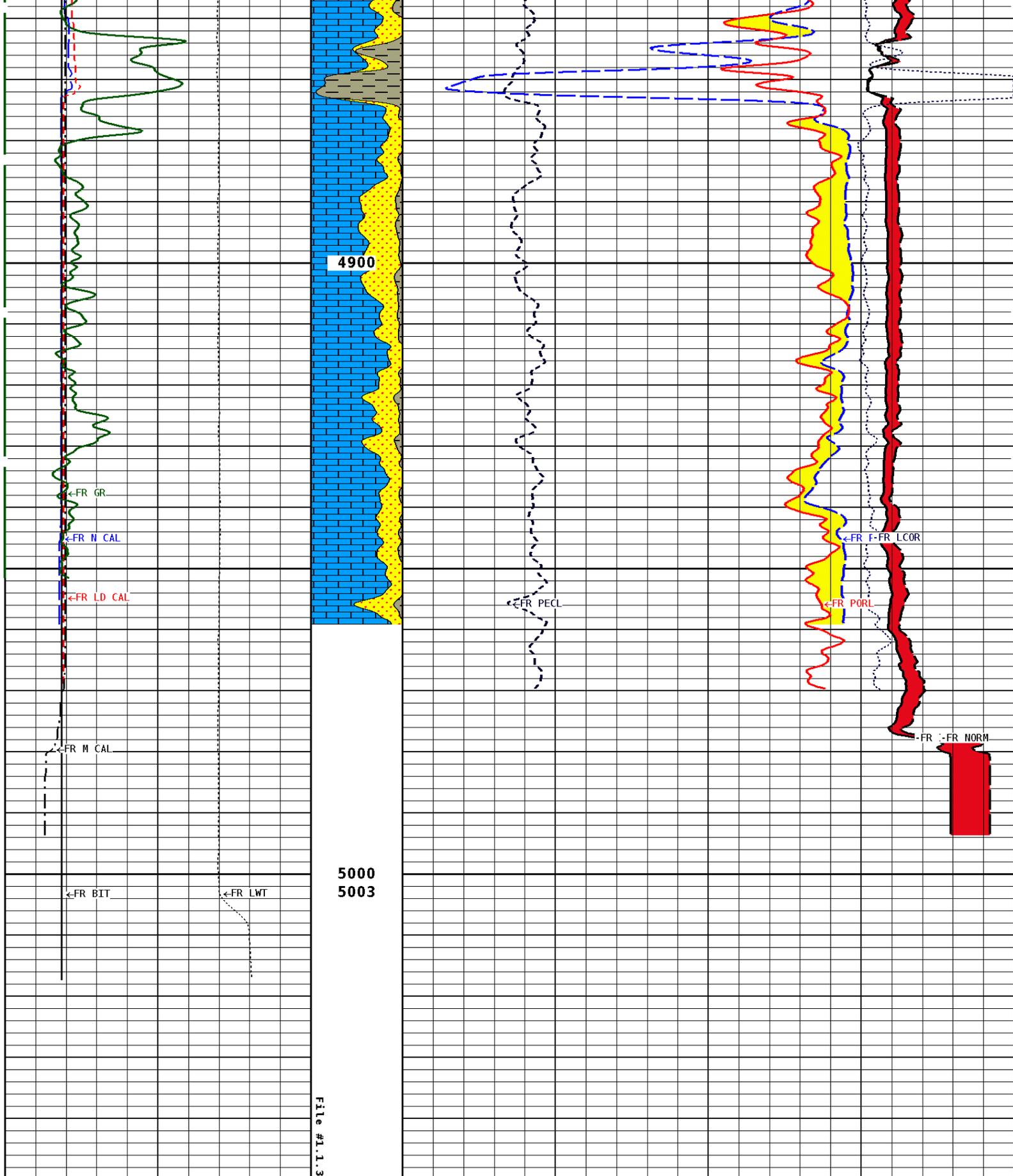
Well File: MERIT CORA 1-16 FEB-28 QST Scale: 1:240 Format: NLD-240
 Segment: V1.D1.S3 Reprocess REPEAT Acquired: 2020-02/29 00:14 3.4.1-13972
 Reference: 0 Processed: 2020-02/29 00:30 3.4.1-13972

CALIPER MICRO INCHES (IN)							
16	26						
6	16						
BIT SIZE INCHES (IN)						NORMAL OHMM	
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 REPEAT SECTION

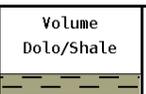




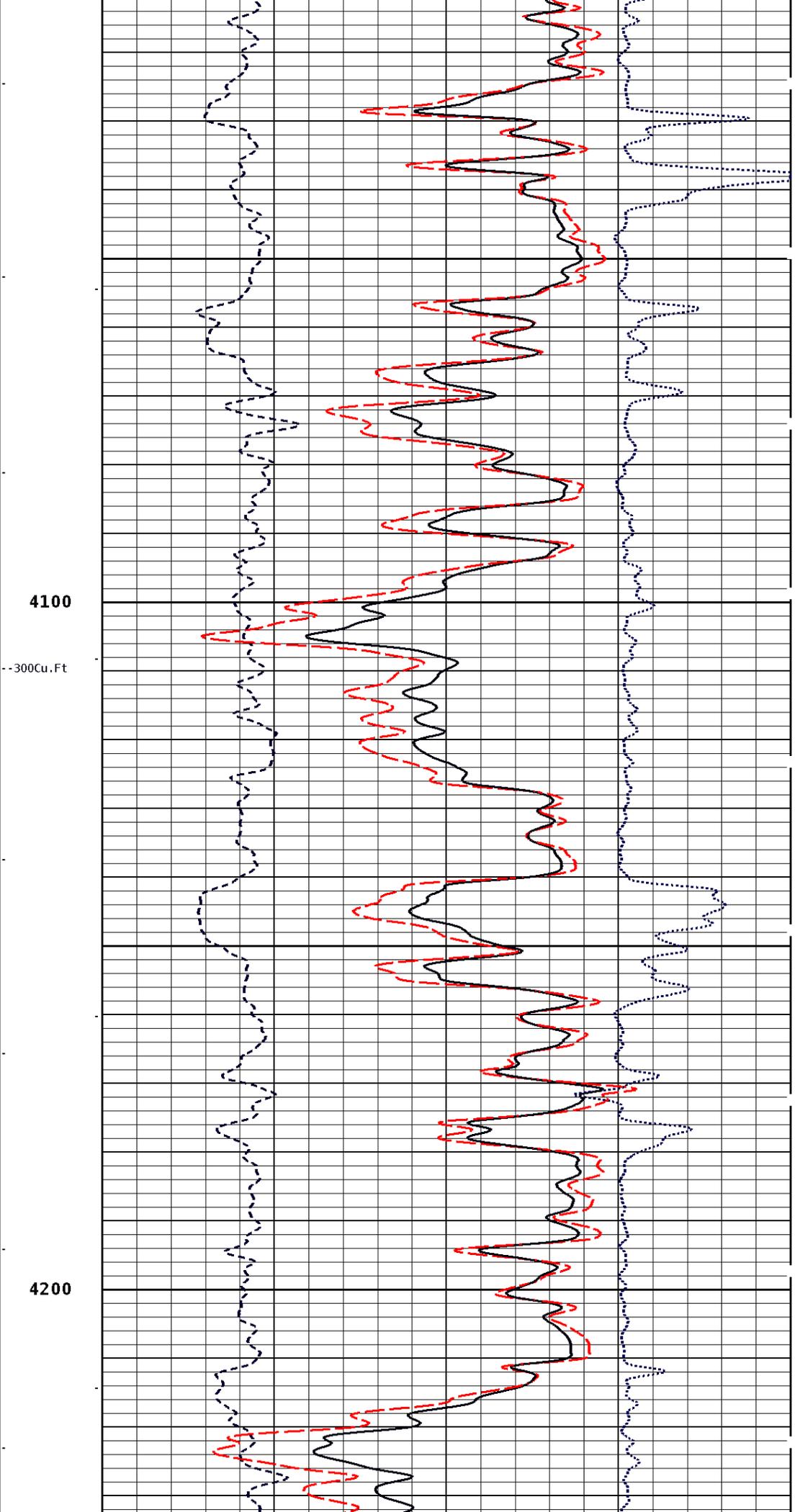
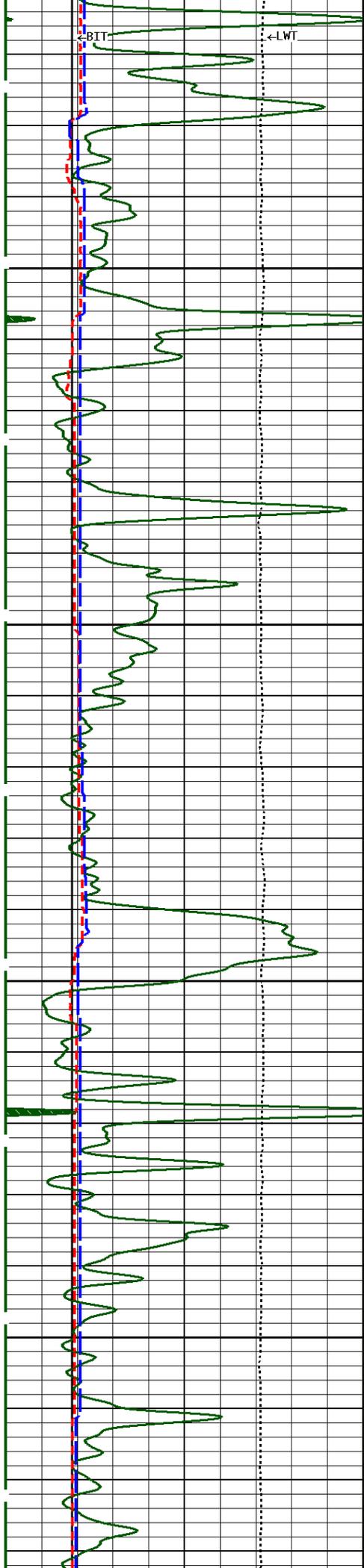


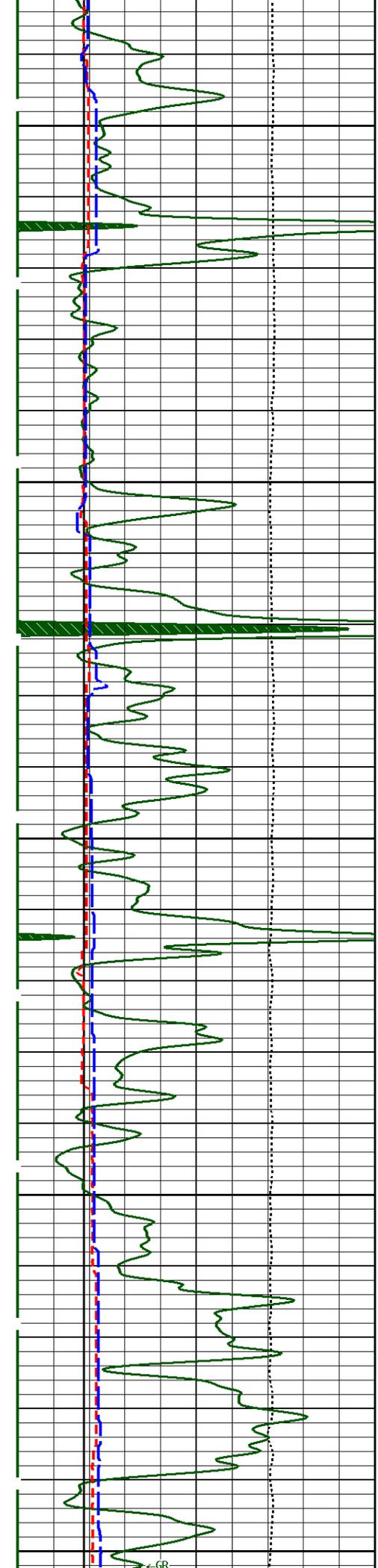
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1:240 REPEAT SECTION



NEUTRON POROSITY (LIMESTONE)
PERCENT



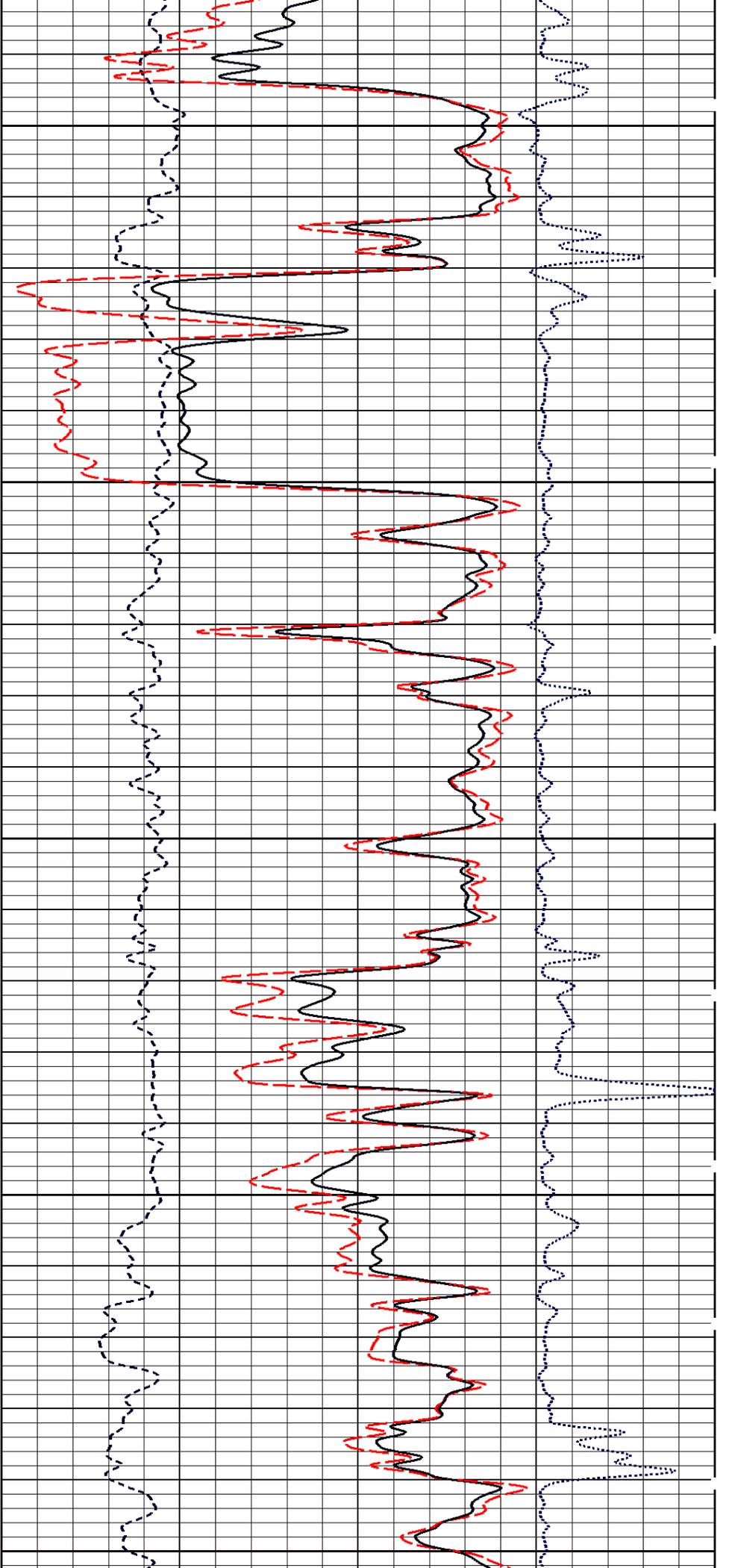


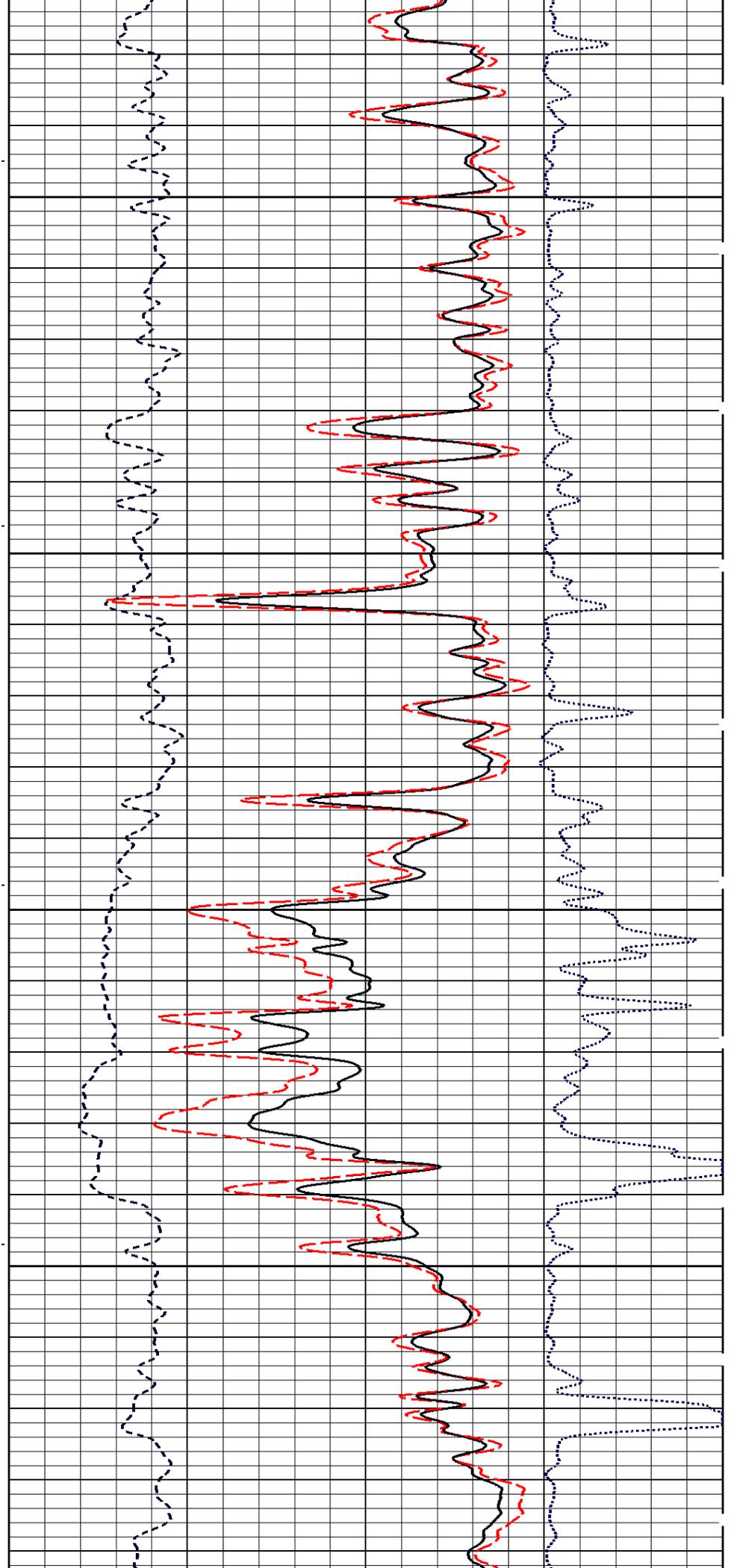
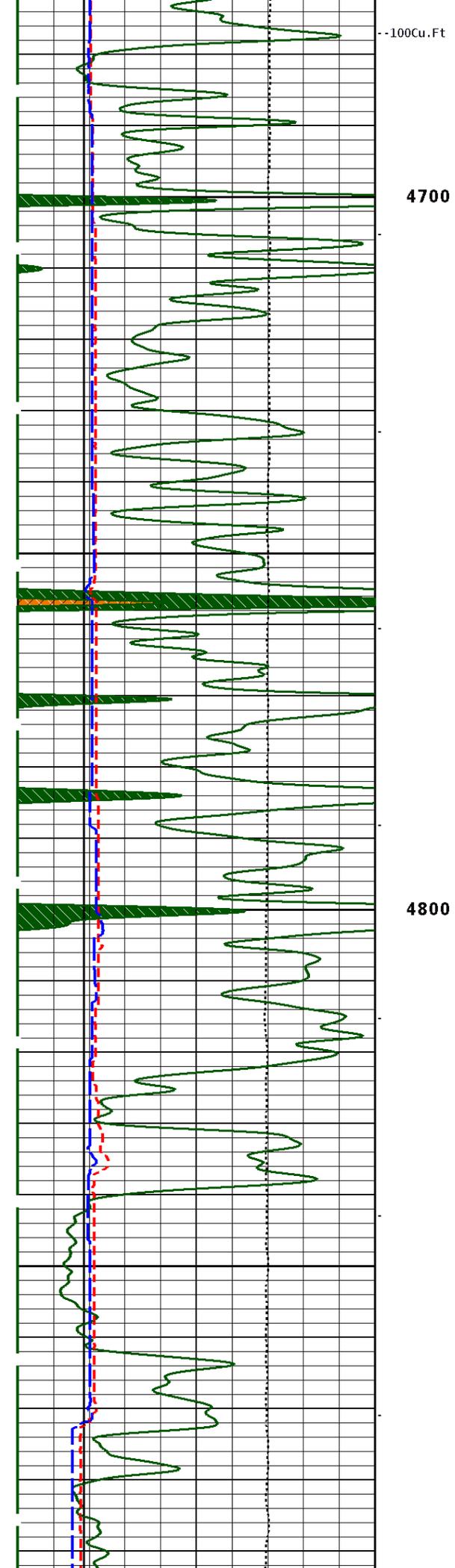
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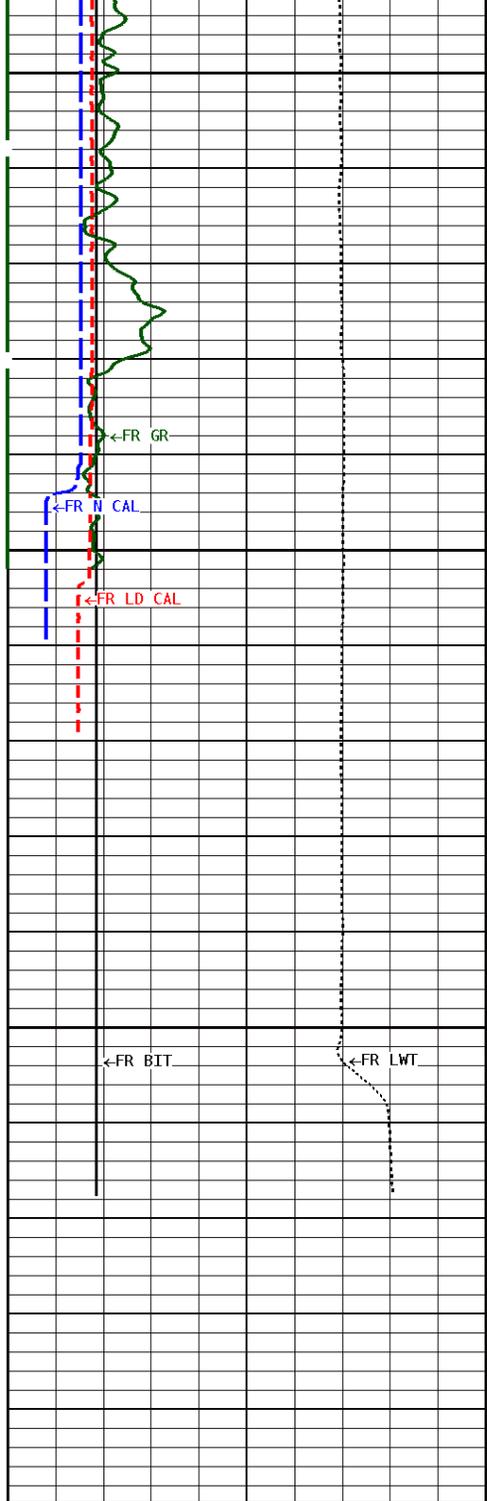
--200Cu.Ft--

4400

100Cu.Ft--



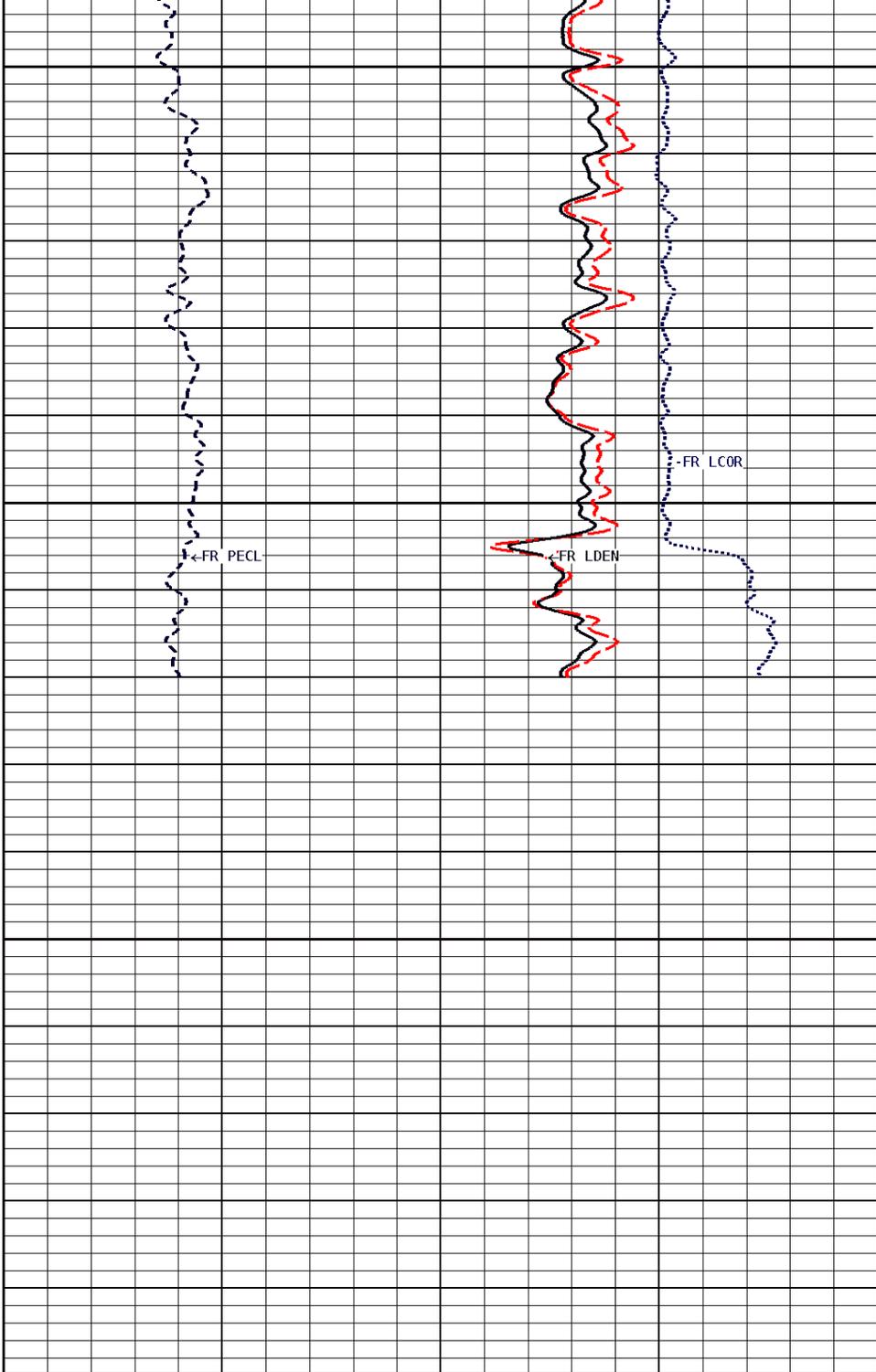




4900

5000
5004

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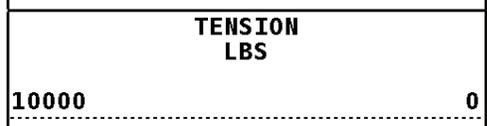
1:240 MAIN SECTION
BULK DENSITY



-BNV ANV-
CU.FT

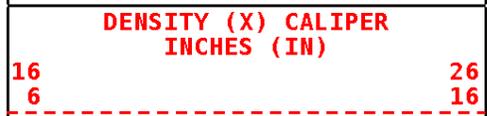
DENSITY POROSITY (2.71g/cc)
PERCENT

70	30
30	-10
-10	-50



COMPENSATED BULK DENSITY
G/CC

3.0	4.0
2.0	3.0
1.0	2.0



PE CROSS-SECTION
BARN/ELECTRON

DENSITY CORRECTION
G/CC

0	10	-0.25	0.25
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NEUTRON (Y) CALIPER INCHES (IN)	
16 6	26 16
BIT SIZE INCHES (IN)	
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 Correction (PHI N)_____	Disable	

*** Calibration Summary ***

Shop Calibration GRT-B						
Performed : 24-JUN-2019			Time : 12:20			
Sensor Suite : GR-GR5			ID : GRT-BC-038			
	Measured	Units	Calibrated	Units		
GR	Background	Jig	Jig			
	36	266	160		GRAPI	
Shop Calibration CNT-AA						
Performed : 03-Jun-2019			Time : 11:01			
Sensor Suite : CALI-BCN			ID : NDT-AF-411			
	Jig - Measured		Jig - Calibrated	Units		
	Ring#1	Ring#2	Ring#1	Ring#2		
CL # 1	7.5	12.5	6.0	12.0	IN.	
Shop Calibration LDT-DF						
Performed : 21-DEC-2019			Time : 21:43			
Sensor Suite : CALI-LTH			ID : NDT-FA-404			
	Jig - Measured		Jig - Calibrated	Units		
	Ring#1	Ring#2	Ring#1	Ring#2		
CL # 1	8.3	13.2	6.0	12.0	IN.	
Shop Calibration LDP-DA						
Performed : 29-Jan-2020			Time : 14:42			
Sensor Suite : BHCPELNG			ID : LDP-DA-062			
Source ID : 1637GW						
Short Space						
	BKGD	Al	Mg	Al+Fe	Units	
LSW1	59	960	1557	625	CPS	
LSW2	61	1121	1778	816	CPS	
LSW3	228	2554	4127	2191	CPS	
LSW4	286	2191	3138	1951	CPS	
LSW5	25	44	49	41	CPS	
LSW6	79	82	79	83	CPS	
LSW7	50	54	53	53	CPS	
LSW8	1	3	4	3	CPS	
QS	0.227	0.208	0.194	0.217		
PES			2.778	5.967		
SSDN		2.600	1.680		G/CC	
Long Space						
	BKGD	Al	Mg	Al+Fe	Units	
LLW1	84	1100	4544	670	CPS	

LLW2	94	1944	7684	1420	CPS
LLW3	352	3530	13460	3067	CPS
LLW4	463	1657	5105	1519	CPS
LLW5	52	64	102	63	CPS
LLW6	146	154	134	154	CPS
LLW7	95	101	92	101	CPS
LLW8	3	6	14	6	CPS
QL	0.213	0.209	0.187	0.205	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC



Company: MERIT ENERGY COMPANY
 Well: CORA #1-16
 Location: 414' FWL & 2002' FNL
 Logged: 02-28-2020
 K.B. Elev: 2875.0 Ft