

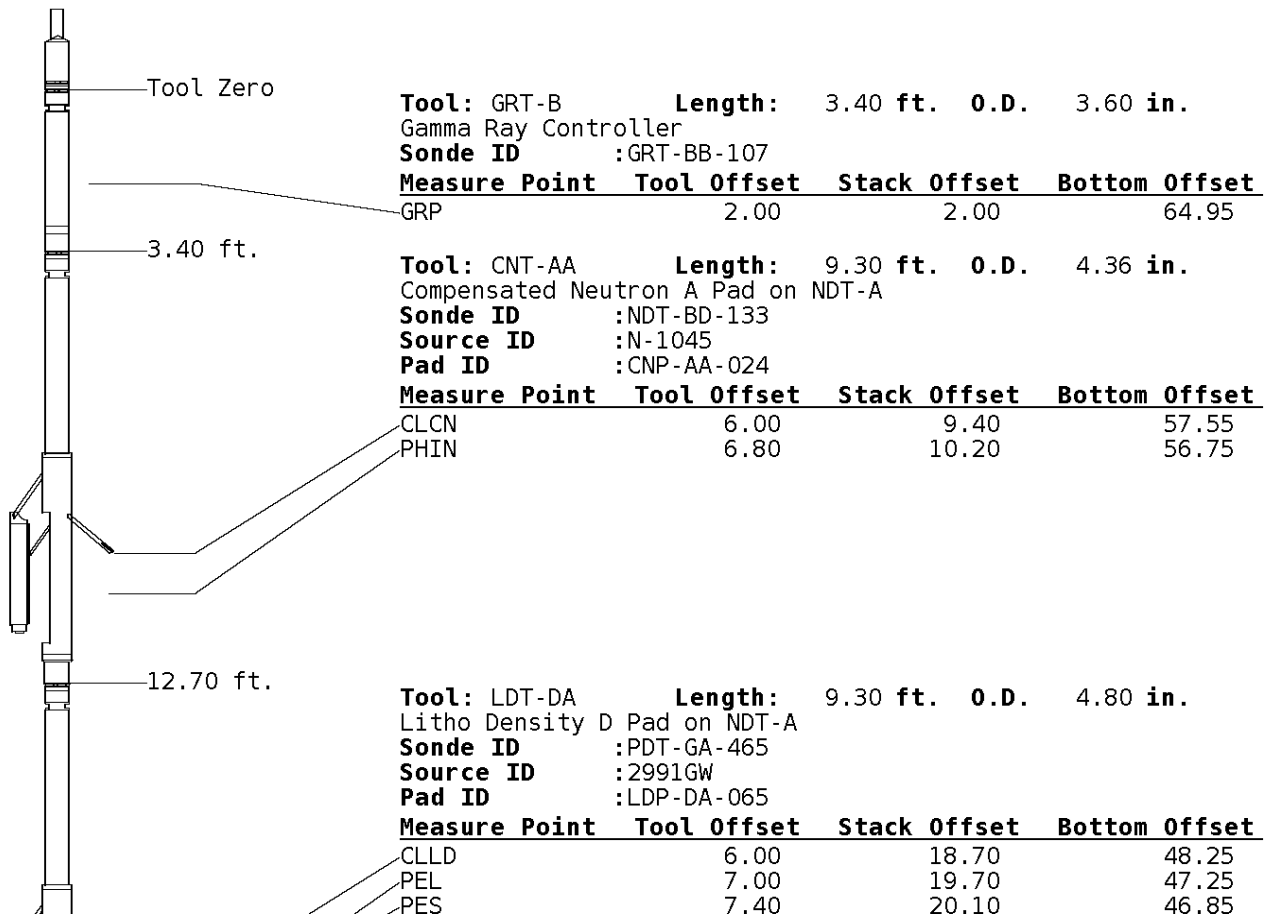
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, MLT, CST, AND PIT RUN IN COMBINATION
 CALIPERS ORIENTED ON X-Y AXIS
 2.71 G/CC USED TO CALCULATE POROSITY
 ANNULAR HOLE VOLUME CALCULATED USING 5.50" PRODUCTION CASING
 PHIN IS CALIPER CORRECTED
 HIRES LOGGED FROM TD-2500, 1800-1550, AS CLIENT REQUESTED.
 DOLOMITE SECTIONS PRESENTED FROM 2630-2110, 2040-1900, 1725-1550, PER CLIENT
 CNT AND GRT LOGGED TO GRASS ROOT, AS CLIENT REQUESTED
 GRANITE IS PRESENT AT THE BOTTOM OF THE HOLE.

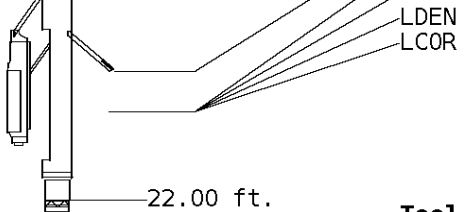
GRT: GRP, GRX.
 CNT: PHIN, PHINX, CLCNIN.
 LDT: PORL, LCORN, PECLN, LDENN, LDENNX, LCORNX, CLLDIN.
 MLT: NOR_RF, INV_RF, MSCLPIN.
 CST: PORS, ITT, CDTF, TT1, TT2, TT3, TT4.
 PIT: VEIRDDS, EIRMDS, SFLAEC, CIRD, SPU

OPERATORS:
 J. KLINE
 J. THOMAS

Tool String Schematic

Total Tool Length - 66.95 ft.
Maximum Outside diameter - 6.00 in.
Net Weight in Air - 1171.00 lbs.



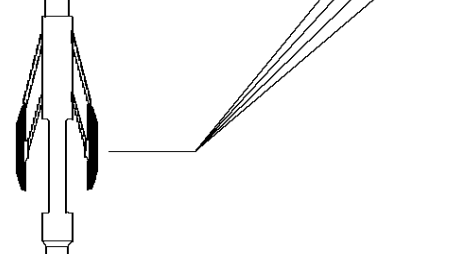


7.20	19.90	47.05
7.20	19.90	47.05

22.00 ft.

Tool: MST-DA **Length:** 9.66 ft. **O.D.** 6.00 in.
 Micro Spherically Focused (IC)
Sonde ID :MST-DA-26

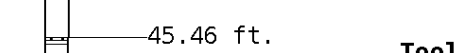
Measure Point	Tool Offset	Stack Offset	Bottom Offset
MSFL	7.60	29.60	37.35
MSCLP	7.60	29.60	37.35
INV	7.60	29.60	37.35
NOR	7.60	29.60	37.35



31.66 ft.

Tool: CST-AD **Length:** 13.80 ft. **O.D.** 3.60 in.
 Open Hole Sonic
Sonde ID :CST-AB-38

Measure Point	Tool Offset	Stack Offset	Bottom Offset
TT1	4.80	36.46	30.49
TT3	5.80	37.46	29.49
CDT	7.30	38.96	27.99
TT4	8.80	40.46	26.49
TT2	9.80	41.46	25.49



45.46 ft.




Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-005

Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	54.38	12.56
ILM	10.10	55.56	11.39
SFLU	17.49	62.95	4.00
SP	20.60	66.06	0.88

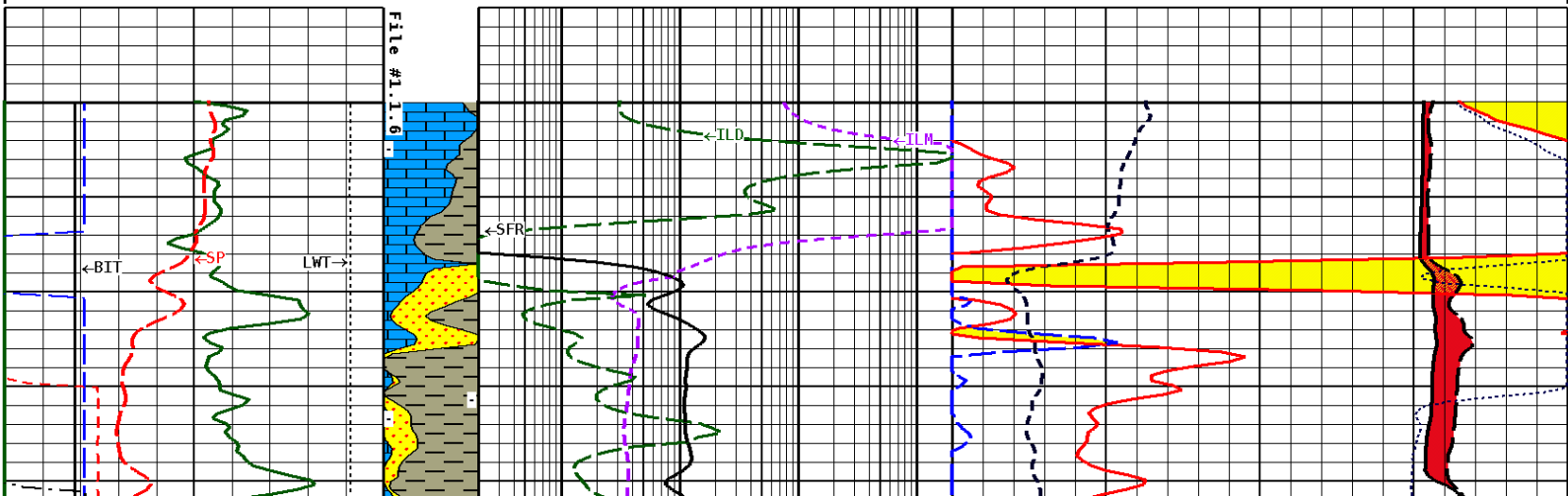
LWT 66.95 ft.

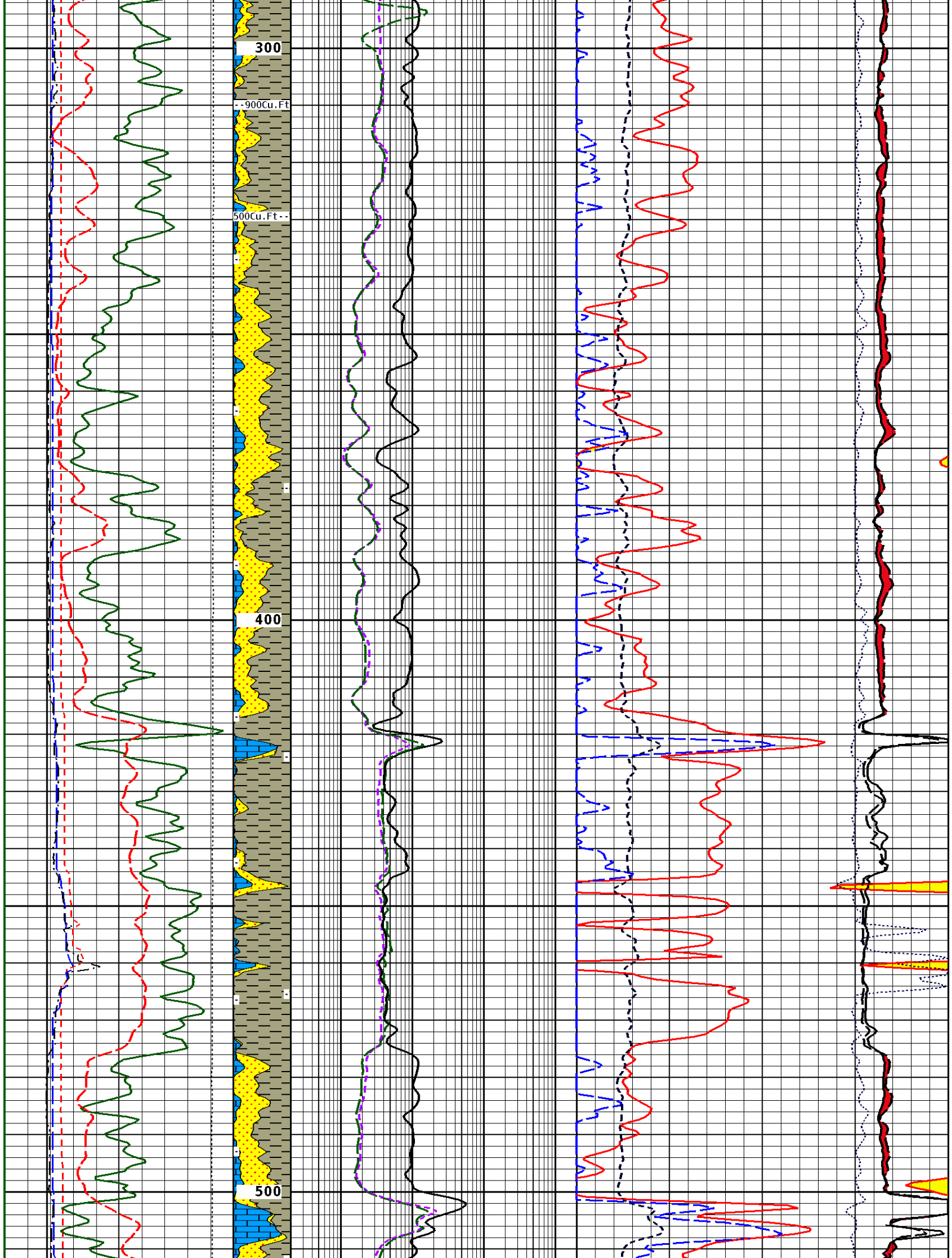
Well File: MESS_BAUCKLH1_MAY26-QUINT
 Segment: V1.D1.S6 MAIN-RP0
 Reference: 0

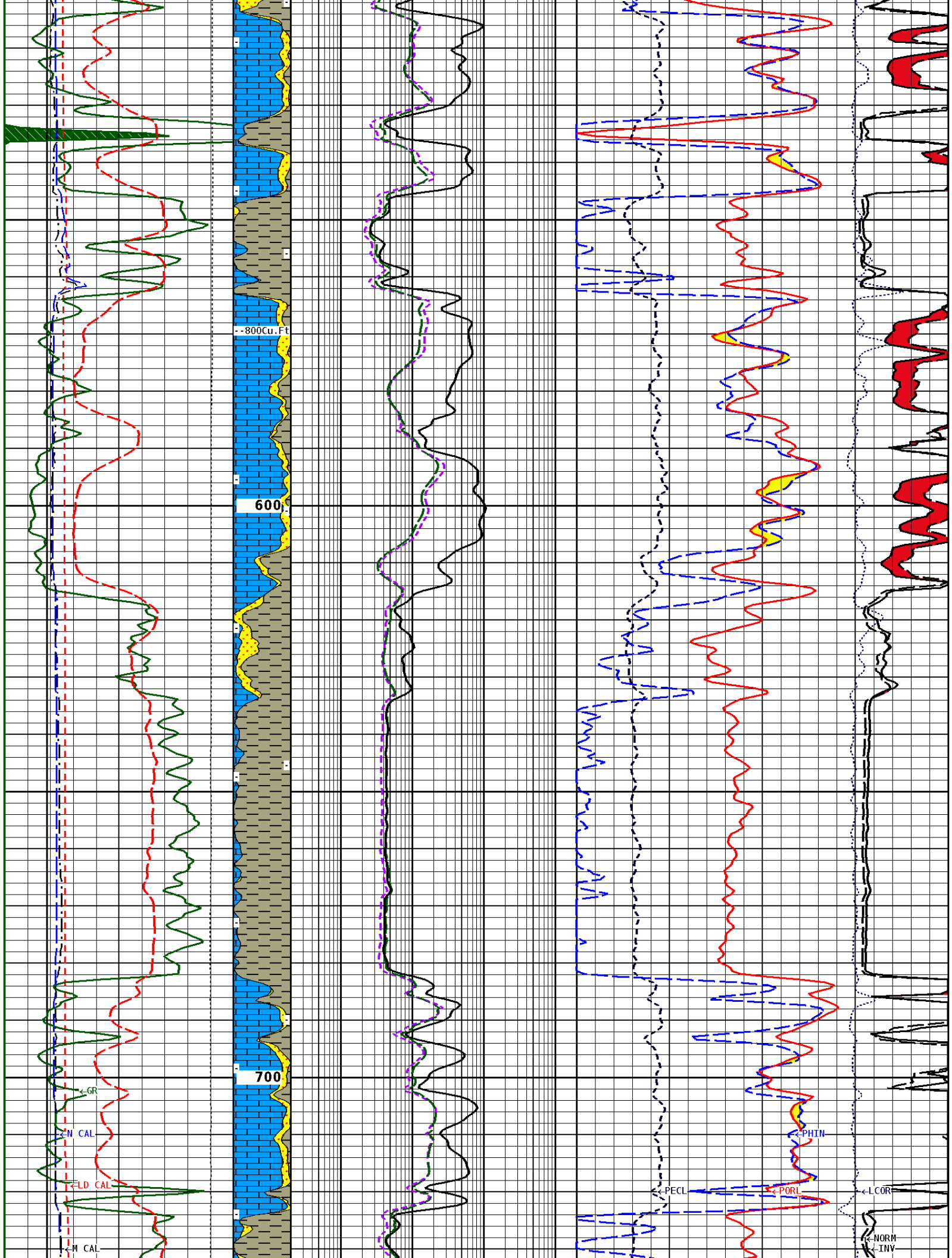
Scale: 1:240 Format: COMSAT
 Acquired: 2014-05/26 15:17 3.3.0-12594
 Processed: 2014-05/26 18:37 3.3.0-12594

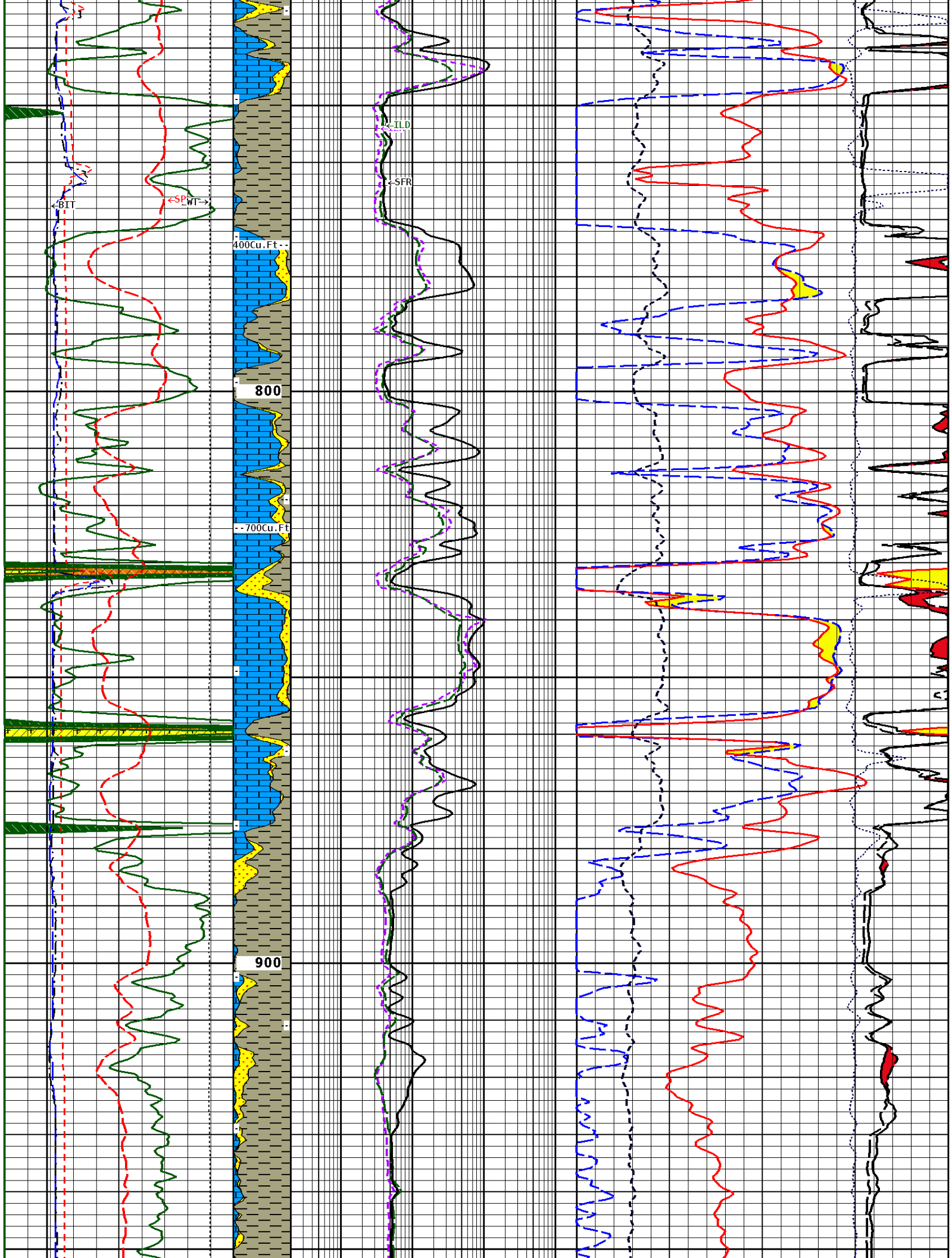
CALIPER MICRO INCHES (IN) 16 26 6 16							
BIT SIZE INCHES (IN) 6 16						NORMAL OHMM 0 40	
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16						INVERSE OHMM 0 40	
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16		Volume Quartz 	DENSITY CORRECTION G/CC -0.75 0.25				
TENSION LBS 10000 0		Volume Calcite 	SHALLOW FOCUSED RESISTIVITY OHMM 0.2 2000.0 0		PE CROSS-SECTION BARNS/ELECTRON 20		
SPONTANEOUS POTENTIAL mV → ← 20		Volume DoLo/Shale 	DEEP INDUCTION OHMM 0.2 2000.0		DENSITY POROSITY (2.71g/cc) PERCENT 70 30 30 -10 -10 -50		
GAMMA RAY API UNITS 150 300 0 150		BHV ANV CU.FT 0.2 2000.0 30	MEDIUM INDUCTION OHMM 0.2 2000.0 30		NEUTRON POROSITY (LIMESTONE) PERCENT -10		

1:240 MAIN SECTION









BIT

SP WT

400 Cu. Ft.

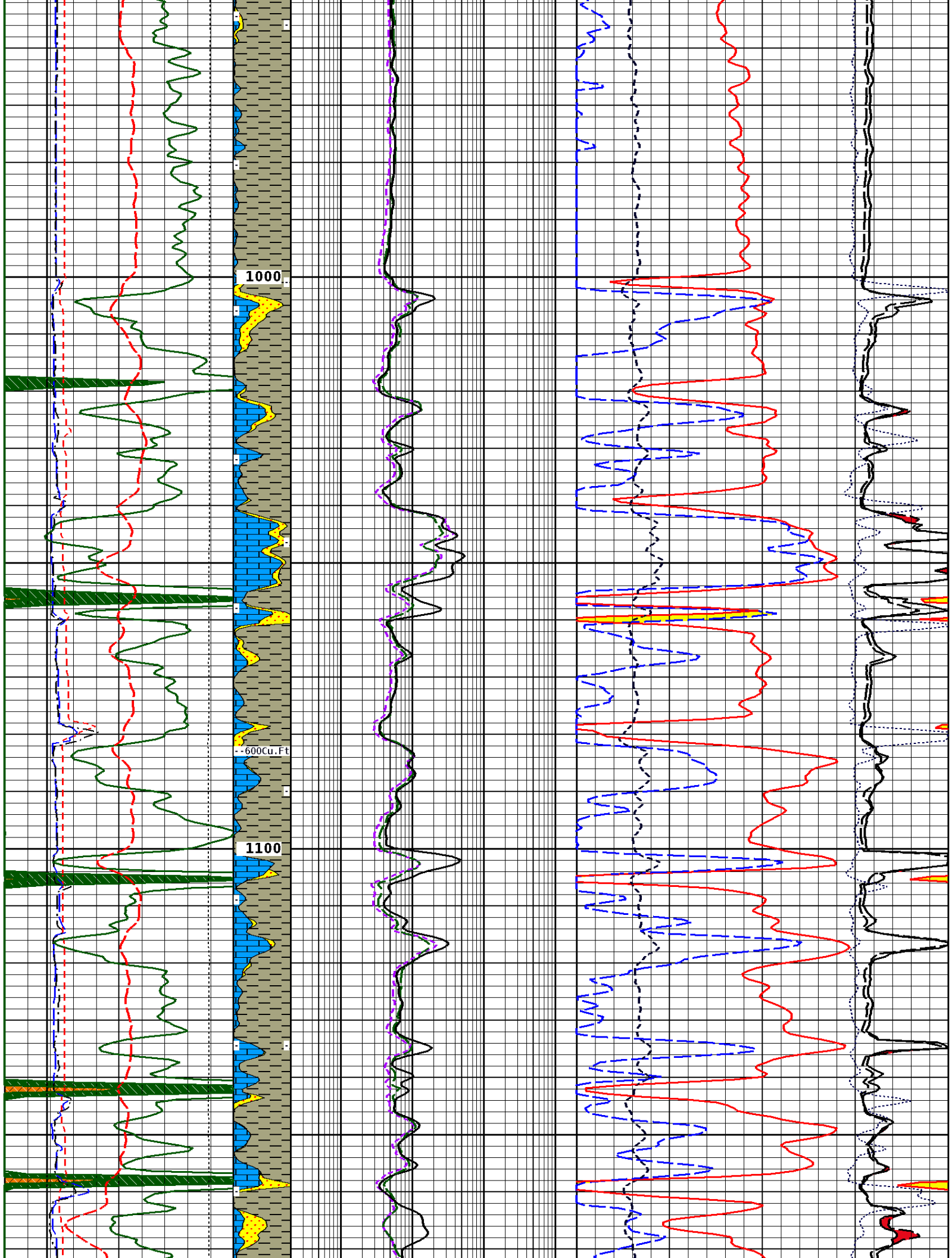
800

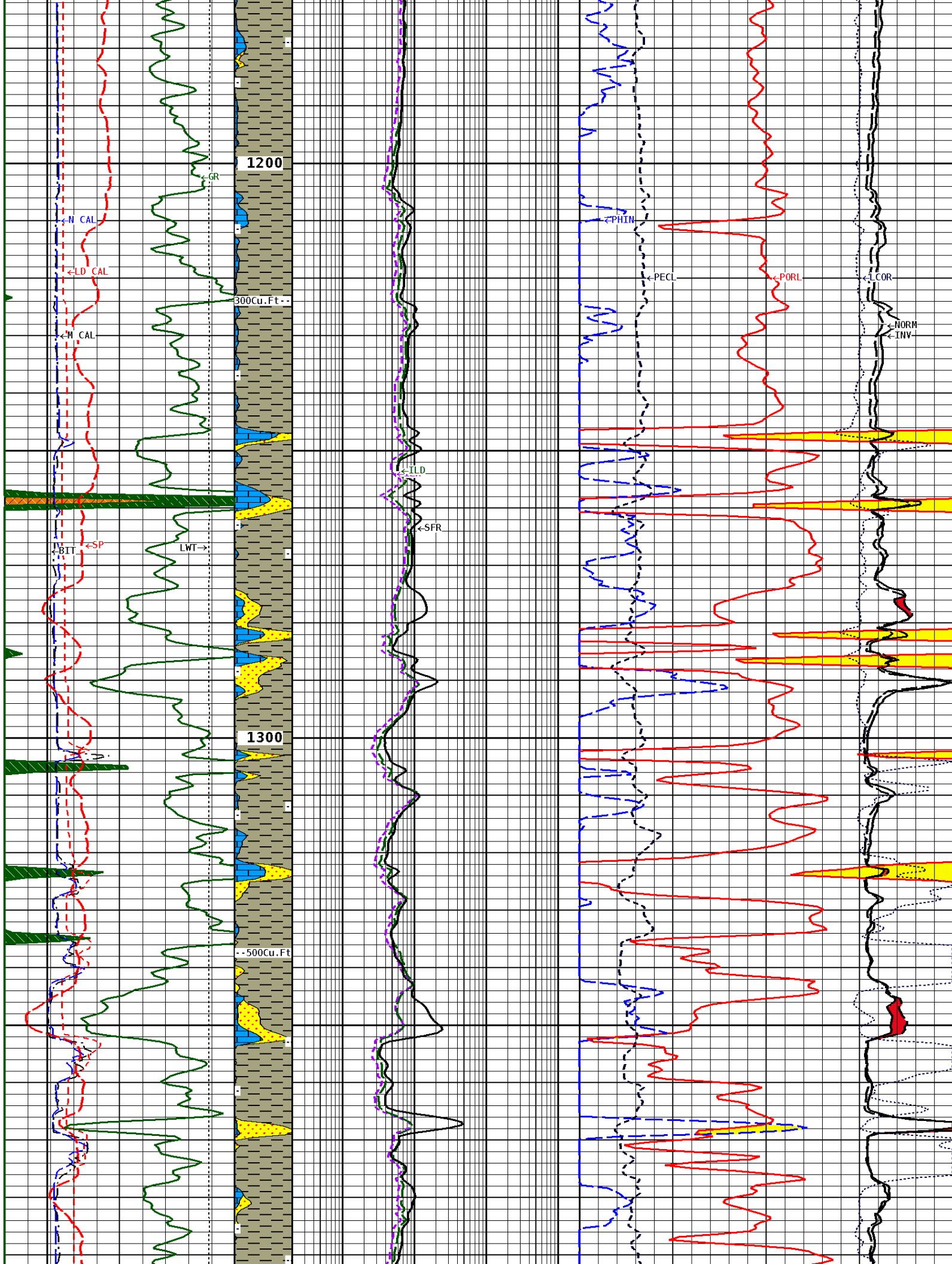
700 Cu. Ft.

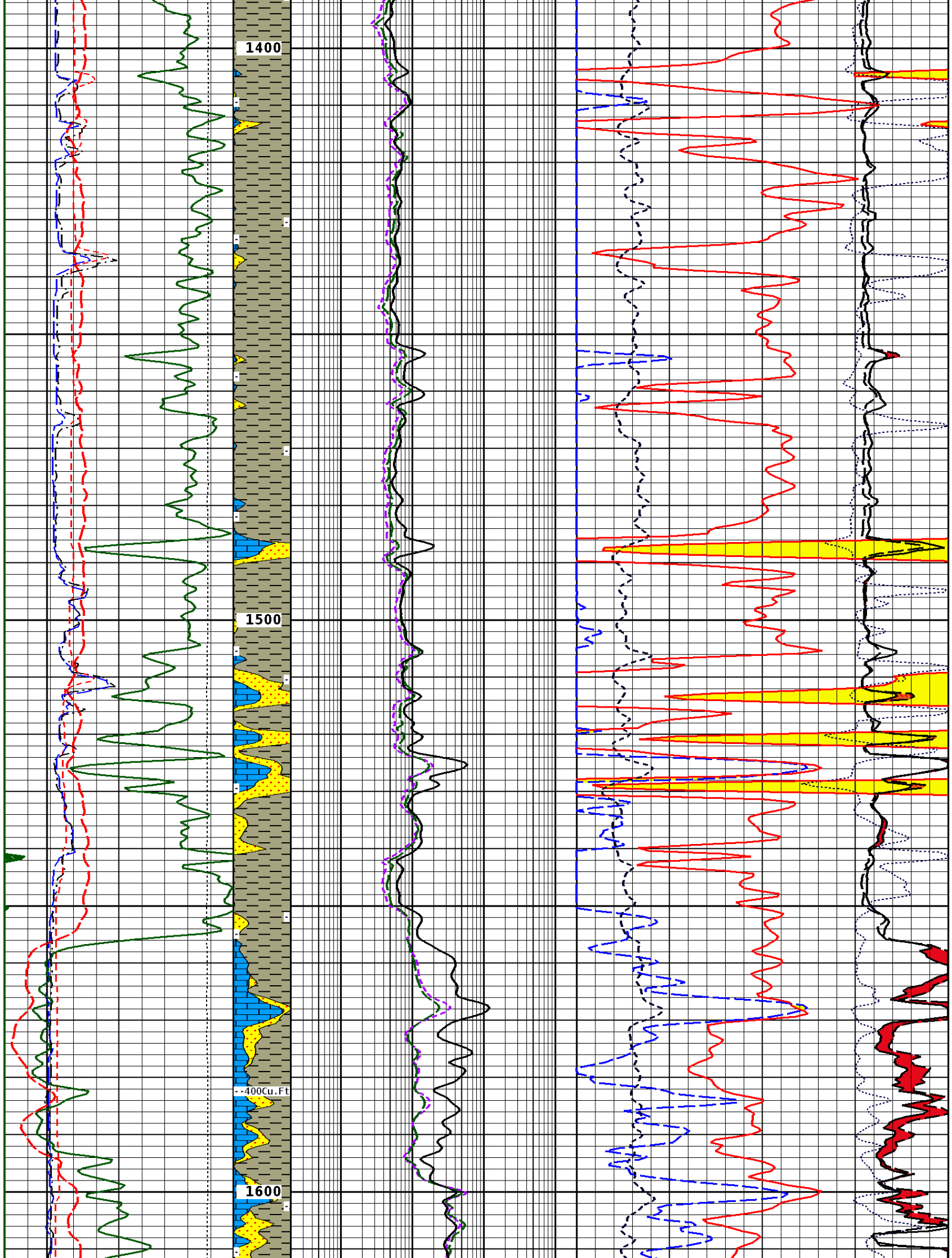
900

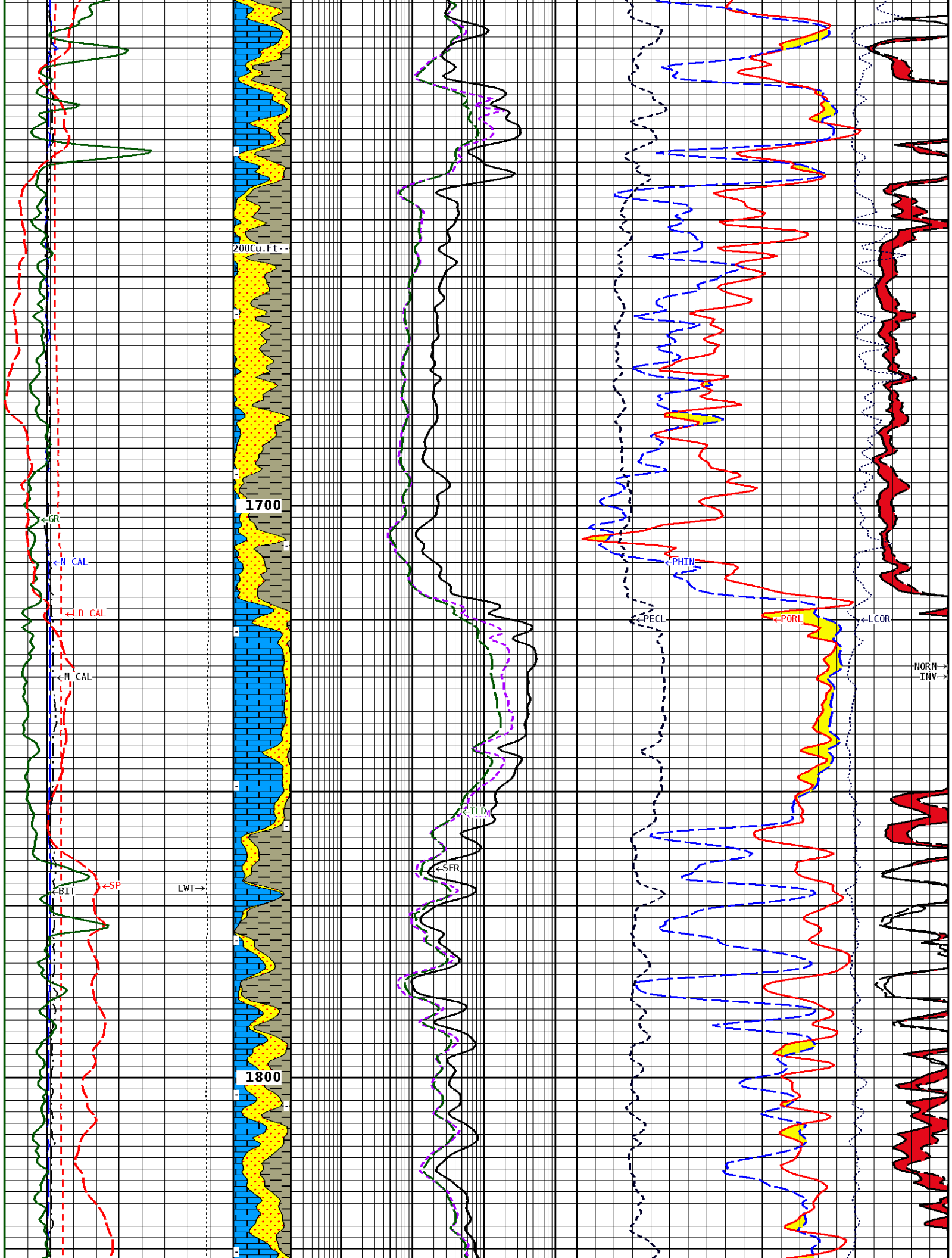
ILD

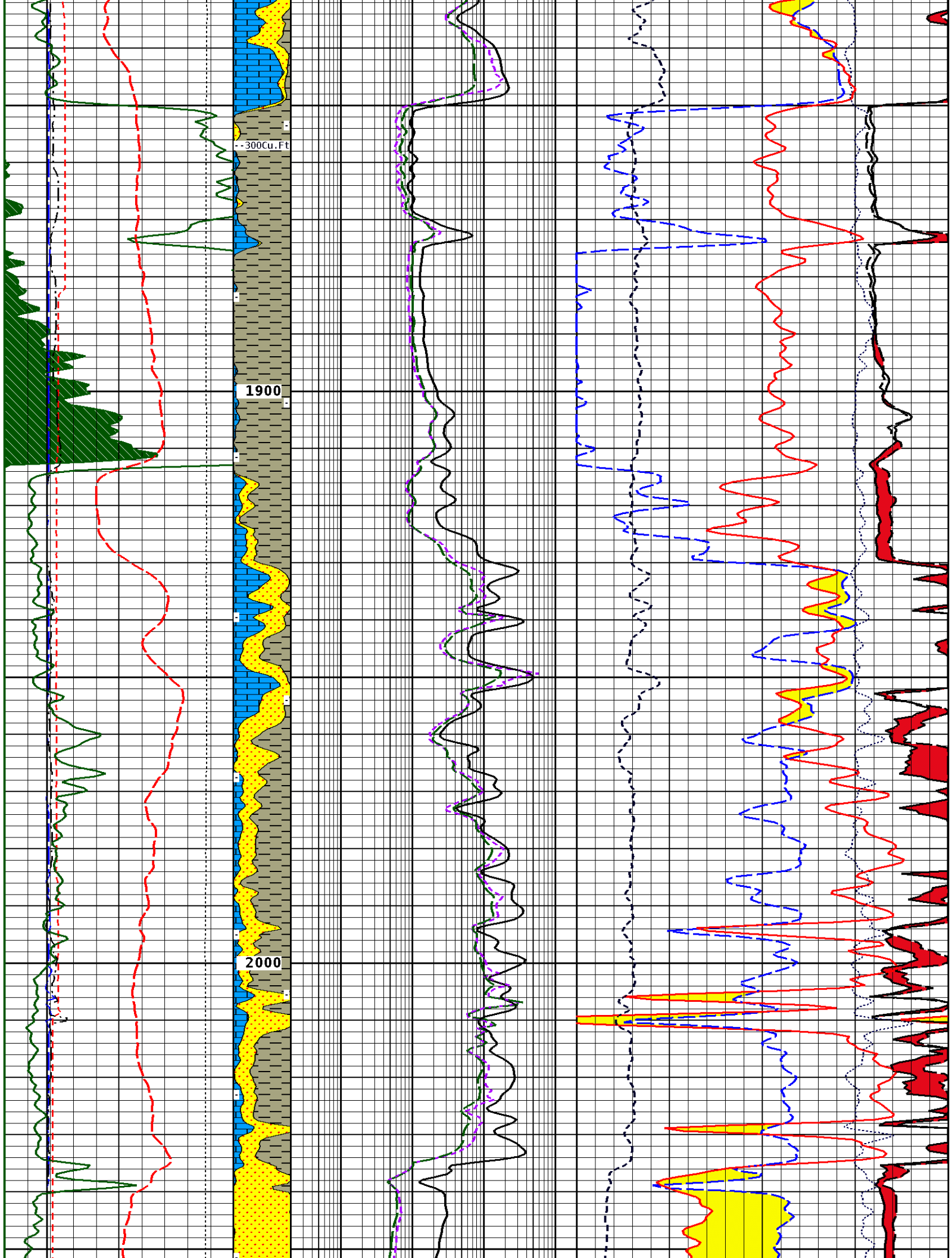
SFR

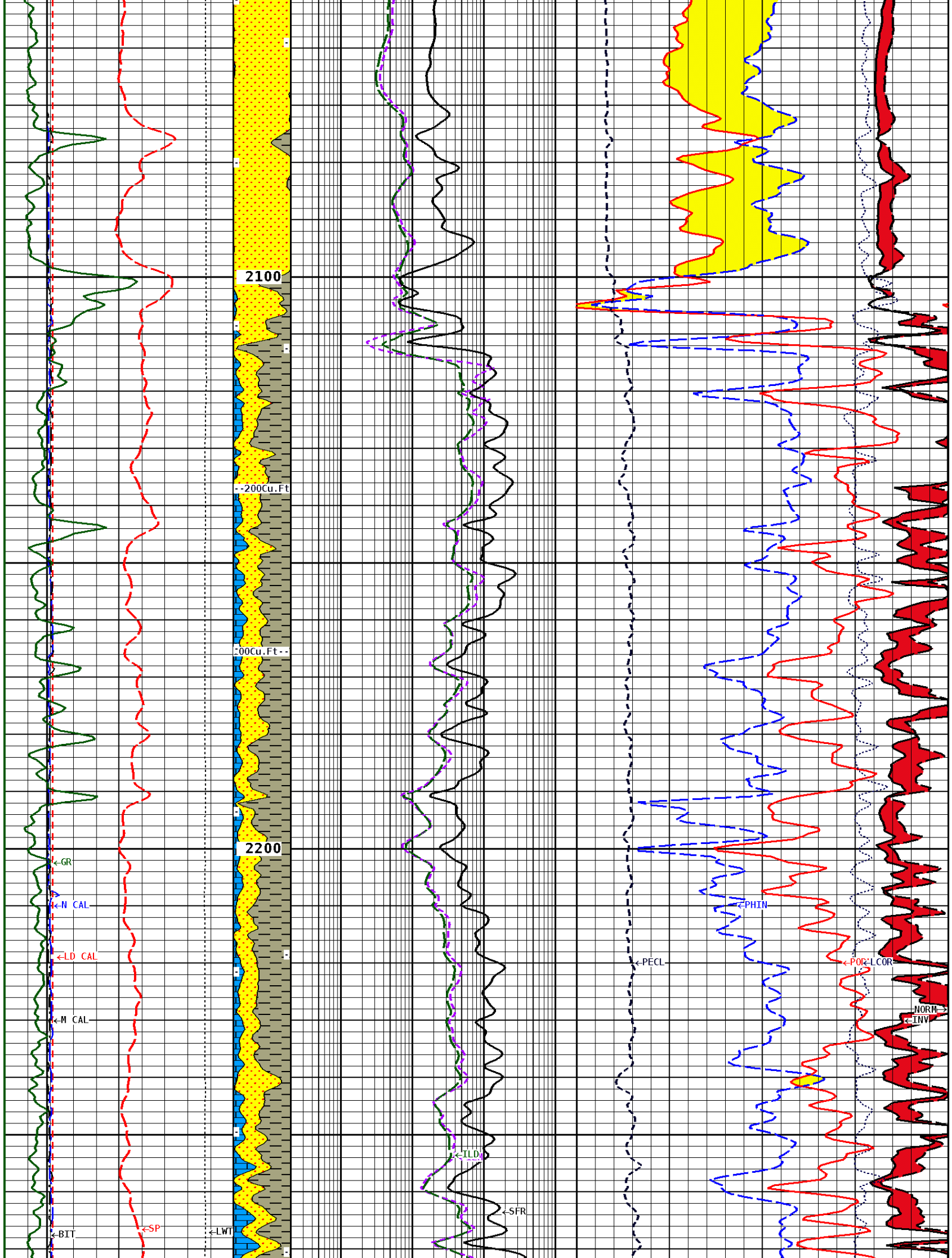


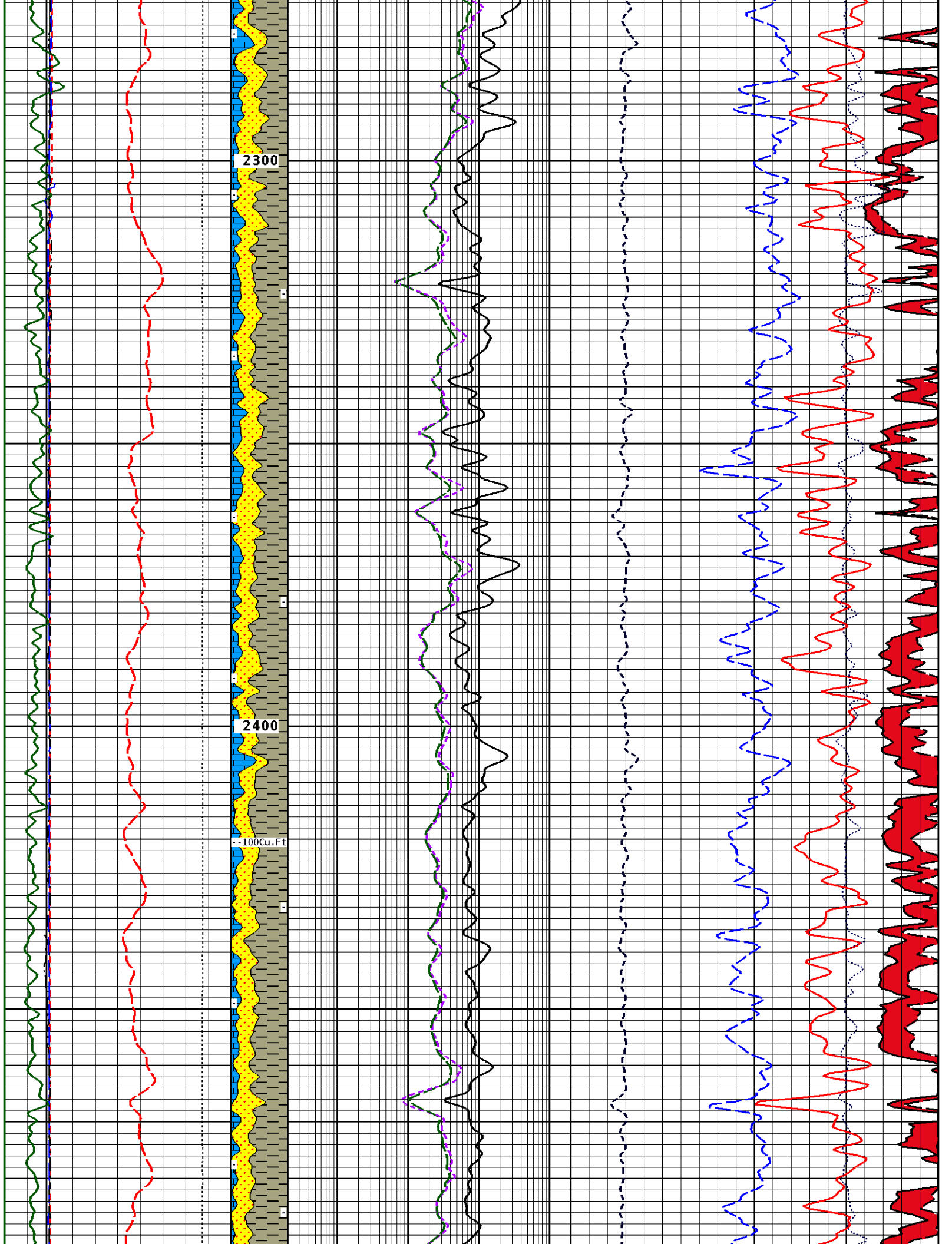


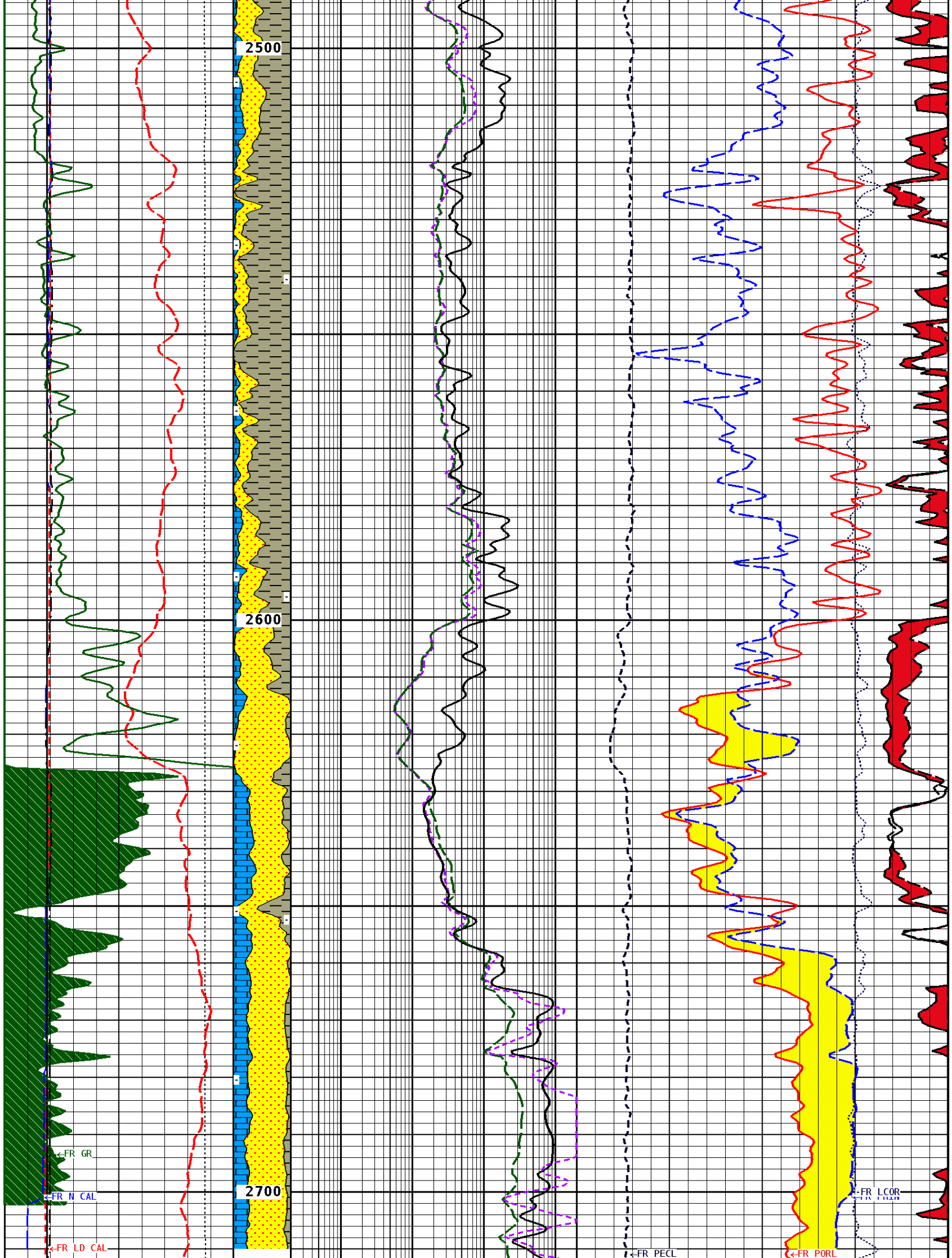


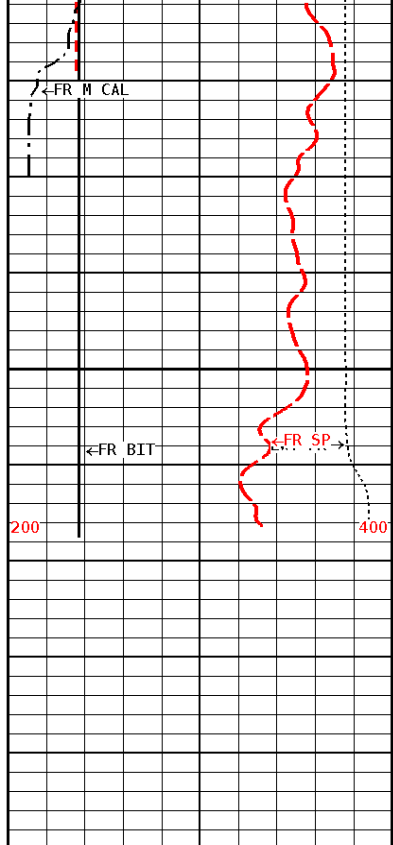






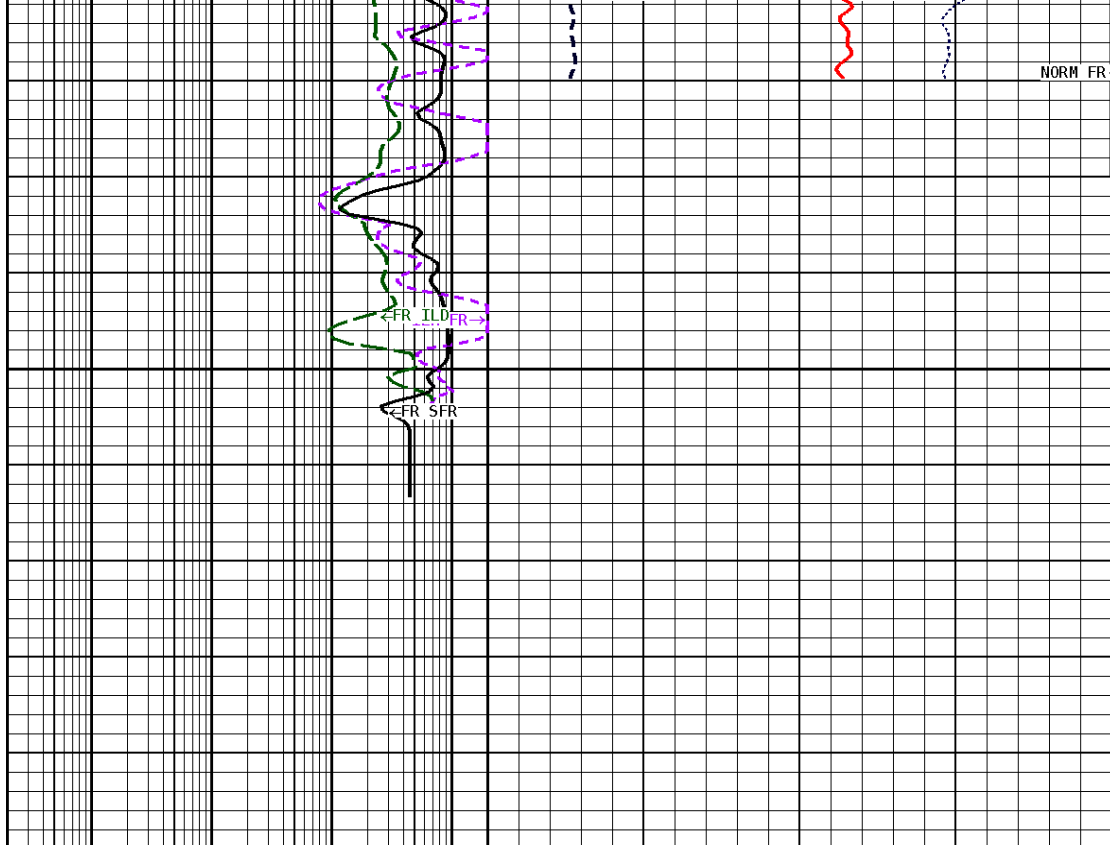






2759

File #1.1.6



1:240 MAIN SECTION

GAMMA RAY API UNITS 150 300 0 150	BHV AHV CU. FT	MEDIUM INDUCTION OHMM 0.2 2000.0	NEUTRON POROSITY (LIMESTONE) PERCENT 30 -10
SPONTANEOUS POTENTIAL mV → ← 20	Volume Dolo/Shale	DEEP INDUCTION OHMM 0.2 2000.0	DENSITY POROSITY (2.71g/cc) PERCENT 70 30 -10 -50
TENSION LBS 10000 0	Volume Calcite	SHALLOW FOCUSED RESISTIVITY OHMM 0.2 2000.0	PE CROSS-SECTION BARNS/ELECTRON 0 20
DENSITY (X) CALIPER INCHES (IN) 16 26 6 16	Volume Quartz		DENSITY CORRECTION G/CC -0.75 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 26 6 16			INVERSE OHMM 0 40
BIT SIZE INCHES (IN) 6 16			NORMAL OHMM 0 40
CALIPER MICRO INCHES (IN) 16 26 6 16			

* Borehole Zone Factors *

Zone 1 99999.0 to 262.0 Feet

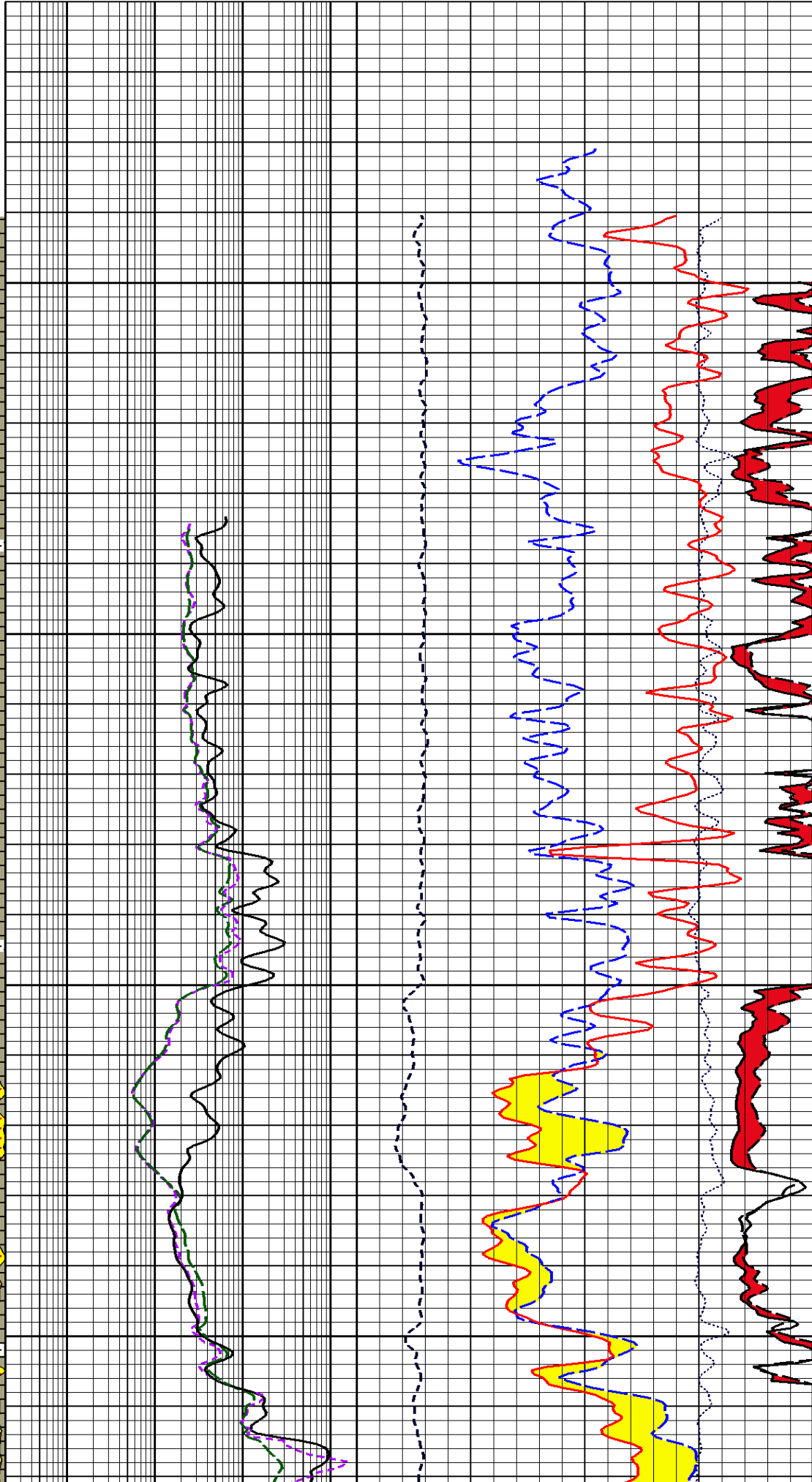
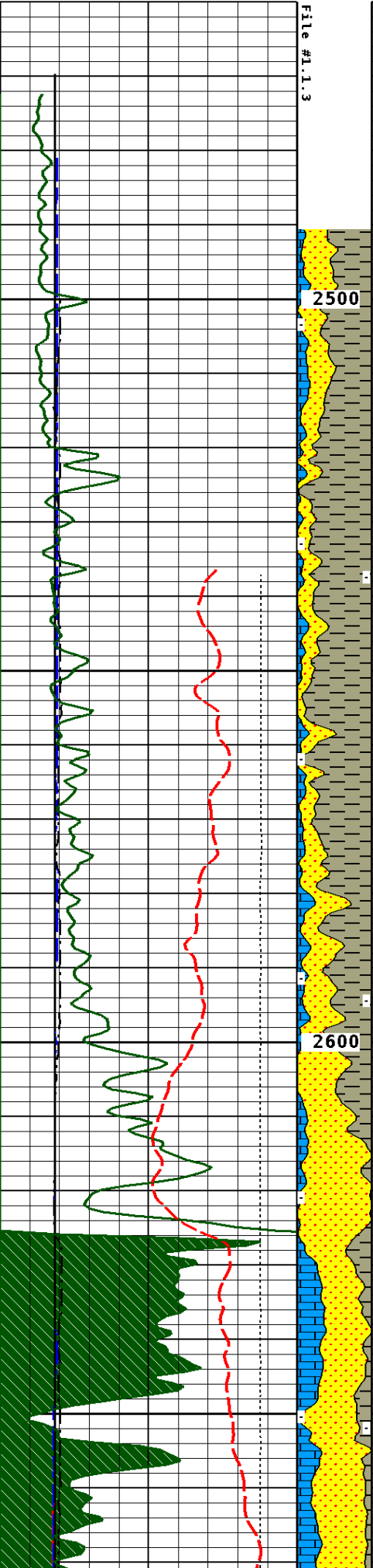
Zone 1 262.0 to 0.0 Feet	
Matrix Density	2.71 g/cc
Fluid Density	1.00 g/cc
Matrix Transit Time	47.5 us/ft
Fluid Transit Time	189.0 us/ft
Formation Matrix	Limestone
Drill Bit Size	7.875 in
Casing Diameter	5.500 in
Casing Thickness	0.250 in
Casing Correction (PHI N)	Disable
Hole Substance	Fluid
BHT Depth	2759.000 ft
Borehole Temperature	106.0 degF
Temperature Gradient	1.00 DFHF
Resistivity Of Mud	2.800 ohm/m
MSTNG Normal Correction	0.00 ohm/m
MSTNG Inverse Correction	1.00 ohm/m
Zone 2 262.0 to 0.0 Feet	
Matrix Density	2.71 g/cc
Fluid Density	1.00 g/cc
Matrix Transit Time	47.5 us/ft
Fluid Transit Time	189.0 us/ft
Formation Matrix	Limestone
Drill Bit Size	7.875 in
Casing Diameter	5.500 in
Casing Thickness	0.250 in
Casing Correction (PHI N)	Enable
Hole Substance	Fluid
BHT Depth	2759.000 ft
Borehole Temperature	106.0 degF
Temperature Gradient	1.00 DFHF
Resistivity Of Mud	2.800 ohm/m
MSTNG Normal Correction	0.00 ohm/m
MSTNG Inverse Correction	1.00 ohm/m

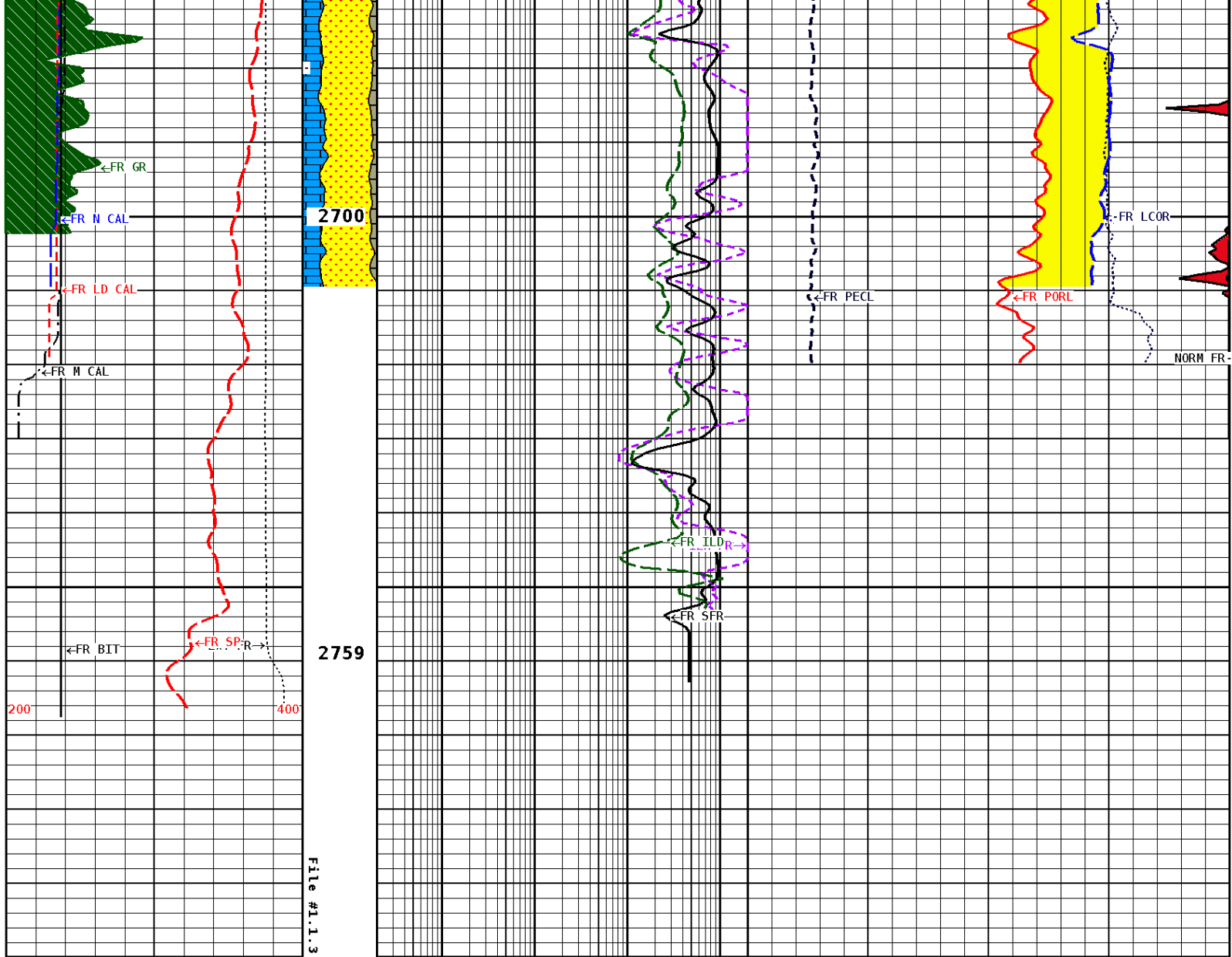
Well File: MESS_BAUCKLH1_MAY26-QUINT Scale: 1:240 Format: COMSAT
Segment: V1.D1.S3 REPEAT-RPO Acquired: 2014-05/26 15:00 3.3.0-12594
Reference: 0 Processed: 2014-05/26 17:08 3.3.0-12594

CALIPER MICRO INCHES (IN)		16 26 6 16	
BIT SIZE INCHES (IN)		6 16	
NEUTRON (Y) CALIPER INCHES (IN)		16 26 6 16	
DENSITY (X) CALIPER INCHES (IN)	Volume Quartz	DENSITY CORRECTION G/CC	
16 26 6 16		-0.75 0.25	
TENSION LBS	Volume Calcite	SHALLOW FOCUSED RESISTIVITY OHMM	PE CROSS-SECTION BARNS/ELECTRON
10000 0		0.2 2000.0 0	20
SPONTANEOUS POTENTIAL mV	Volume Dolo/Shale	DEEP INDUCTION OHMM	DENSITY POROSITY (2.71g/cc) PERCENT
→ ← 20		0.2 2000.0	70 30 -10 -50
GAMMA RAY API UNITS	BHV AHV CU.FT	MEDIUM INDUCTION OHMM	NEUTRON POROSITY (LIMESTONE) PERCENT
150 300 0 150		0.2 2000.0 30	-10

1:240 REPEAT SECTION

File #1.1.3





1:240 REPEAT SECTION

GAMMA RAY API UNITS 150 0 300 150	BHV ANV CU. FT	MEDIUM INDUCTION OHMM 0.2 2000.0 30	NEUTRON POROSITY (LIMESTONE) PERCENT -10
SPONTANEOUS POTENTIAL mV → ← 20	Volume Dolo/Shale	DEEP INDUCTION OHMM 0.2 2000.0 70 30 -10	DENSITY POROSITY (2.71g/cc) PERCENT 30 -10 -50
TENSION LBS 10000 0	Volume Calcite	SHALLOW FOCUSED RESISTIVITY OHMM 0.2 2000.0 0	PE CROSS-SECTION BARNs/ELECTRON 20
DENSITY (X) CALIPER INCHES (IN) 16 6 26 16	Volume Quartz		DENSITY CORRECTION G/CC -0.75 0.25
NEUTRON (Y) CALIPER INCHES (IN) 16 6 26 16			INVERSE OHMM 0 40

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

NORMAL OHNH	
0	40

*** Borehole Zone Factors ***

Zone 1 99999.0 to 262.0 Feet		
Matrix Density	2.71	g/cc
Fluid Density	1.00	g/cc
Matrix Transit Time	47.5	us/ft
Fluid Transit Time	189.0	us/ft
Formation Matrix	Limestone	
Drill Bit Size	7.875	in
Casing Diameter	5.500	in
Casing Thickness	0.250	in
Casing Correction (PHI N)	Disable	
Hole Substance	Fluid	
BHT Depth	2759.000	ft
Borehole Temperature	106.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	2.800	ohm/m
MSTNG Normal Correction	0.00	ohm/m
MSTNG Inverse Correction	1.00	ohm/m
Zone 2 262.0 to 0.0 Feet		
Matrix Density	2.71	g/cc
Fluid Density	1.00	g/cc
Matrix Transit Time	47.5	us/ft
Fluid Transit Time	189.0	us/ft
Formation Matrix	Limestone	
Drill Bit Size	7.875	in
Casing Diameter	5.500	in
Casing Thickness	0.250	in
Casing Correction (PHI N)	Enable	
Hole Substance	Fluid	
BHT Depth	2759.000	ft
Borehole Temperature	106.0	degF
Temperature Gradient	1.00	DFHF
Resistivity Of Mud	2.800	ohm/m
MSTNG Normal Correction	0.00	ohm/m
MSTNG Inverse Correction	1.00	ohm/m

*** Calibration Summary ***

Shop Calibration					
GRT-B					
Performed : 21-APR-2014			Time : 11:21		
Sensor Suite : GR-GR5			ID : GRT-BB-107		
	Measured	Units	Calibrated	Units	
GR	Background Jig		Jig		
	75 381	CPS	175		GRAPI
Shop Calibration					
CNT-AA					
Performed : 28-APR-2014			Time : 11:56		
Sensor Suite : CALI-BCN			ID : NDT-BD-133		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	9.4	14.0	6.0	12.0	
Shop Calibration					
Performed : 21-Apr-2014			Time : 10:00		
Sensor Suite : BHC NEUT			ID : CNP-AA-024		
Source ID : N-1045					
	Tank		Verification		Units
N/F	Measured	Calibrated	Jig		
Porosity	3.7923	3.6893	3.6669		%
	22.1	20.5	20.2		
Shop Calibration					

LDT-DA

Performed : 26-JUN-2013 Time : 13:15
 Sensor Suite : CALI-LTH ID : PDT-GA-465

CL # 1	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	7.0	10.7	6.0	12.0	

Performed : 29-Apr-2014 Time : 09:32
 Sensor Suite : BHCPELNG ID : LDP-DA-065
 Source ID : 2991GW

Short Space					
	BKGD	Al	Mg	Al+Fe	Units
LSW1	67	1135	1803	726	CPS
LSW2	70	1369	2164	970	CPS
LSW3	263	3128	5001	2644	CPS
LSW4	324	2784	3989	2435	CPS
LSW5	29	55	63	53	CPS
LSW6	91	91	91	91	CPS
LSW7	55	58	60	60	CPS
LSW8	1	4	5	4	CPS
QS	0.246	0.218	0.204	0.208	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC

Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	93	1299	5288	780	CPS
LLW2	102	2274	8834	1639	CPS
LLW3	396	4083	15315	3480	CPS
LLW4	510	1958	6261	1761	CPS
LLW5	60	73	134	71	CPS
LLW6	159	153	146	154	CPS
LLW7	106	103	98	102	CPS
LLW8	5	8	20	8	CPS
QL	0.200	0.195	0.198	0.202	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC

**Shop Calibration
MST-DA**

Performed : 04-May-2014 Time : 12:47
 Sensor Suite : CALI-MSN ID : MST-DA-26

CL # 1	Jig - Measured		Jig - Calibrated		Units
	Ring#1	Ring#2	Ring#1	Ring#2	IN.
	6.9	11.1	6.0	12.0	

Performed : 04-May-2014 Time : 12:44
 Sensor Suite : MSTDA-NI ID : MST-DA-26

Internal						
	Measured			Calibrated		
	Zero	Reference	Units	Zero	Reference	Units
INV-V	77.2	29878.6		0.00	1546.00	MV
NOR-V	0.0	29952.3		0.00	1546.00	MV
IN-C	0.0	30307.8		0.00	15.46	UA
INV-R					32.34	OHMM
NOR-R					55.11	OHMM

**Shop Calibration
CST-AD**

Performed : 30-DEC-2010 Time : 13:12
 Sensor Suite : SON-ANA ID : CST-AB-38

Transit Time					
T/R Pair	Measured		Calibrated		Units
T1R1	208.5		208.5		uS
T2R2	208.5		208.5		uS
T1R2	322.5		322.5		uS
T2R1	322.5		322.5		uS
Amplitude					
T/R Pair	Measured		Calibrated		Units
T1R1	90.00		90.00		mV
T2R2	90.00		90.00		mV
T1R2	78.00		78.00		mV
T2R1	78.00		78.00		mV

**Shop Calibration
PIT-CA**

Performed : 20-JAN-2014 Time : 12:16
 Sensor Suite : P-IND-T ID : PIT-AB-005

Medium						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	130436	130973	0.3	0.3	MMHOS	
Zero	131064	131069	27.2	2.3	MMHOS	
Reference	250278	251098	5142.2	4745.2	MMHOS	
Loop	127822	217880	3591.7	3538.5	MMHOS	
Sonde Error			-1.6	-2.1	MMHOS	
Cond			5142.2	4745.2	MMHOS	
Deep						
	Measured		Calibrated		Units	
	R	X	R	X		
Air	128989	131106	-3.7	-3.9	MMHOS	
Zero	131083	131072	40.1	-10.7	MMHOS	
Reference	232597	234445	2030.7	1916.3	MMHOS	
Loop	125792	219397	1633.8	1702.6	MMHOS	
Sonde Error			-3.5	-9.0	MMHOS	
Cond			2030.7	1916.3	MMHOS	
Temperature						
	Measured		Calibrated		Units	
	Low	High	Low	High		
	16980.0	56920.0	70.0	350.0	DEGF	
Performed : 20-Jan-2014			Time : 12:07			
Sensor Suite : SFL			ID : PIT-AB-005			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
Im	32773.9	49477.8	0.0	7028.0	uA	
Ib	32760.9	48718.2	0.0	1750.0	mA	
MOM1	32720.3	56560.2	0.0	175.0	mV	
Equivalent SFL				43.97	OHMM	
Performed : 20-Jan-2014			Time : 12:05			
Sensor Suite : P-SP			ID : PIT-AB-005			
Internal						
	Measured		Calibrated		Units	
	Zero	Reference	Zero	Reference		
	32770.1	58920.2	0.0	1000.0	mV	



Company: MESSENGER PETROLEUM, INC.
 Well: BAUCK LH 1
 Location: 1813' FNL & 1921' FEL
 Logged: 05-26-2014
 K.B. Elev: 1108.0 Ft