

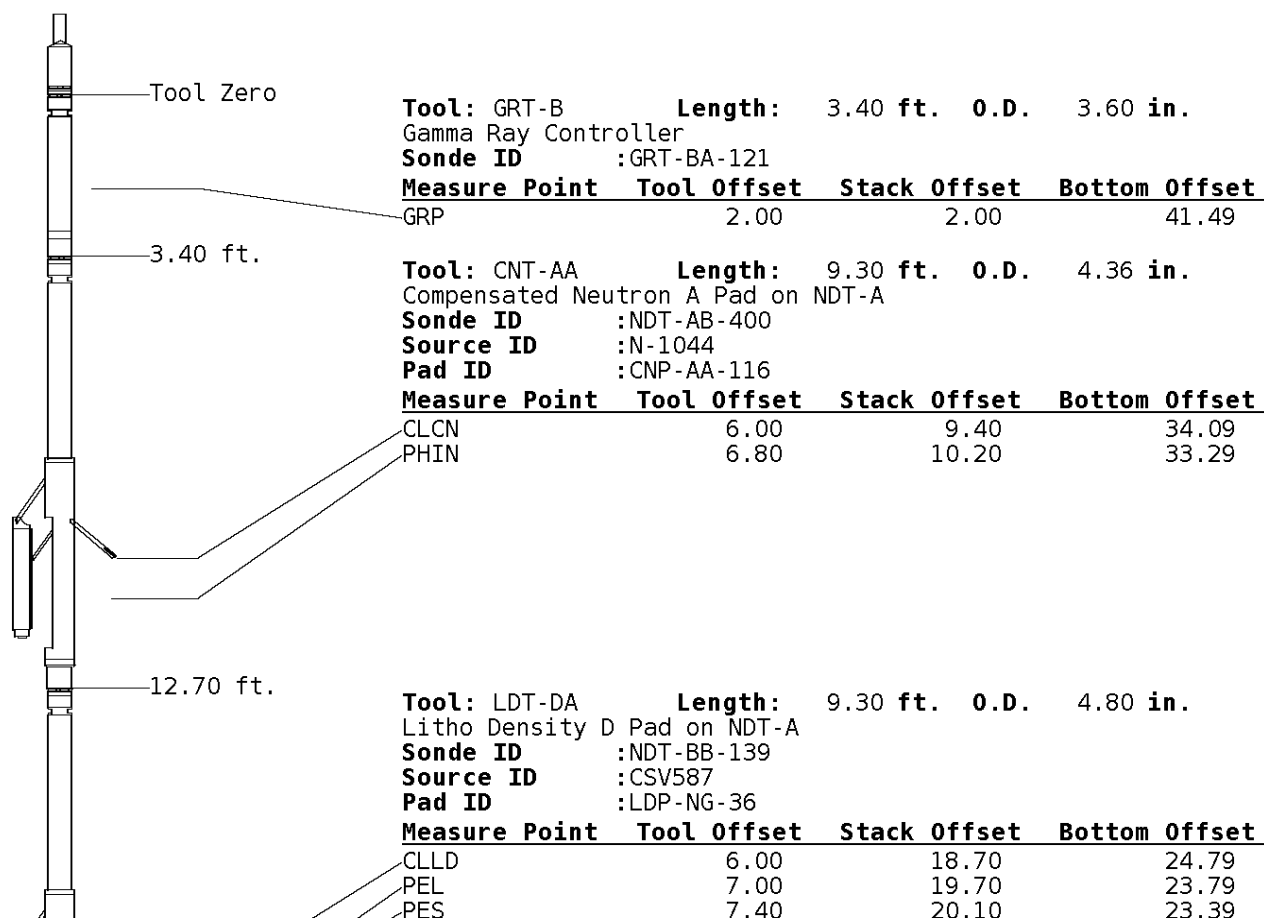
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED USING 4.500" PRODUCTION CASING.
 PHIN IS CALIPER CORRECTED.

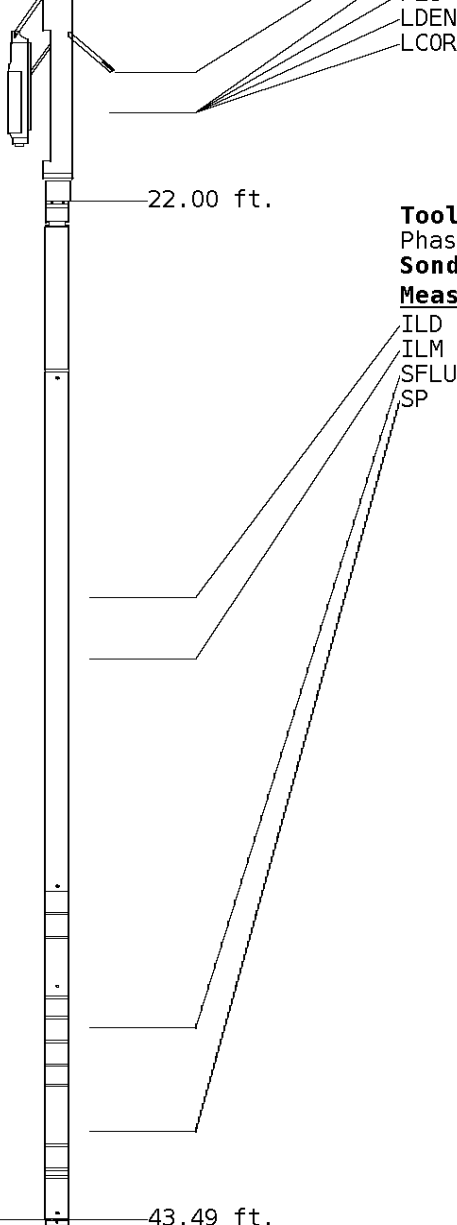
GRT: GRP.
 CNT: PHIN, CLCNIN
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
 PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:
 A. DJAHO
 M. RUBY

Tool String Schematic

Total Tool Length - 43.49 ft.
Maximum Outside diameter - 4.80 in.
Net Weight in Air - 743.00 lbs.



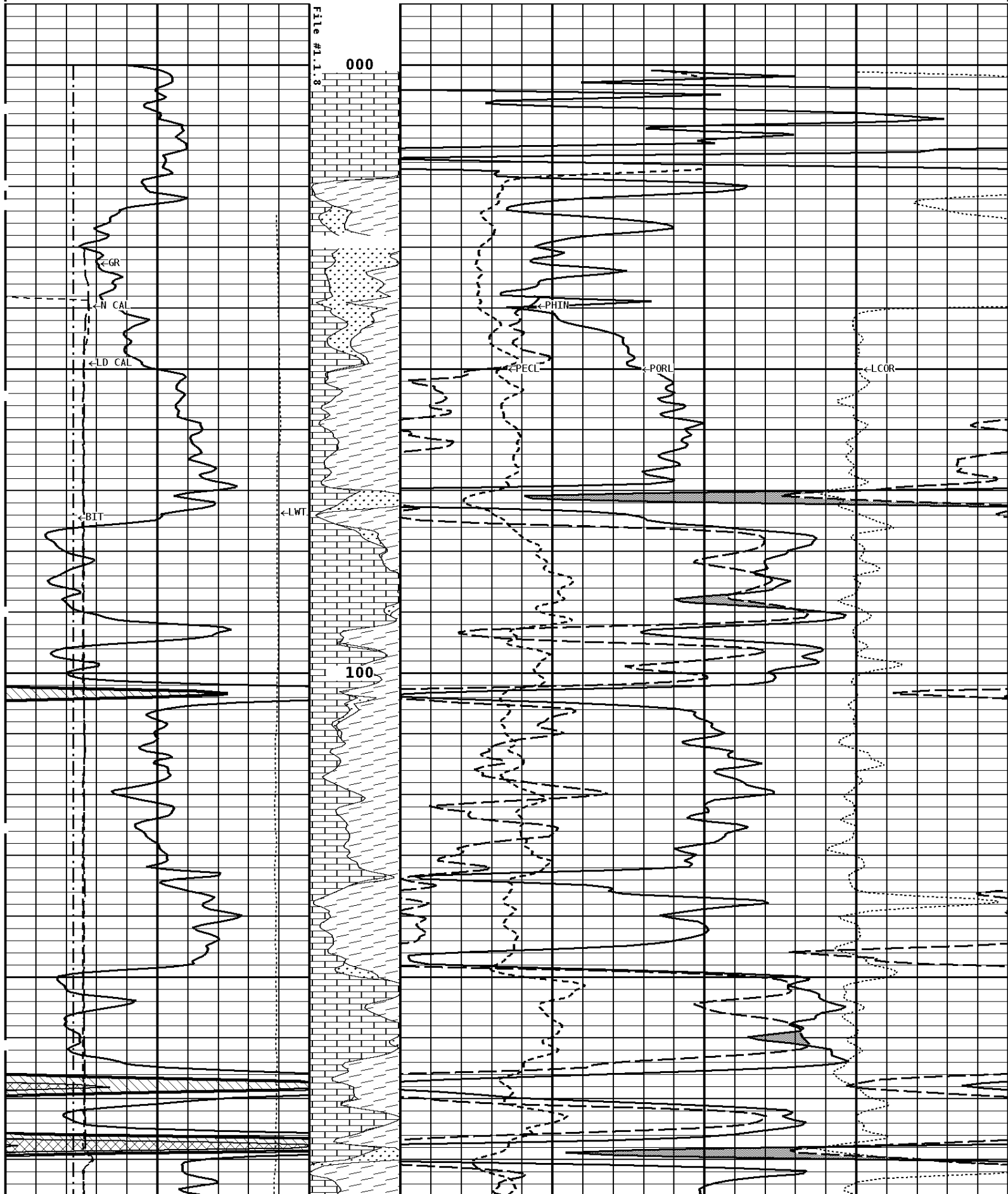


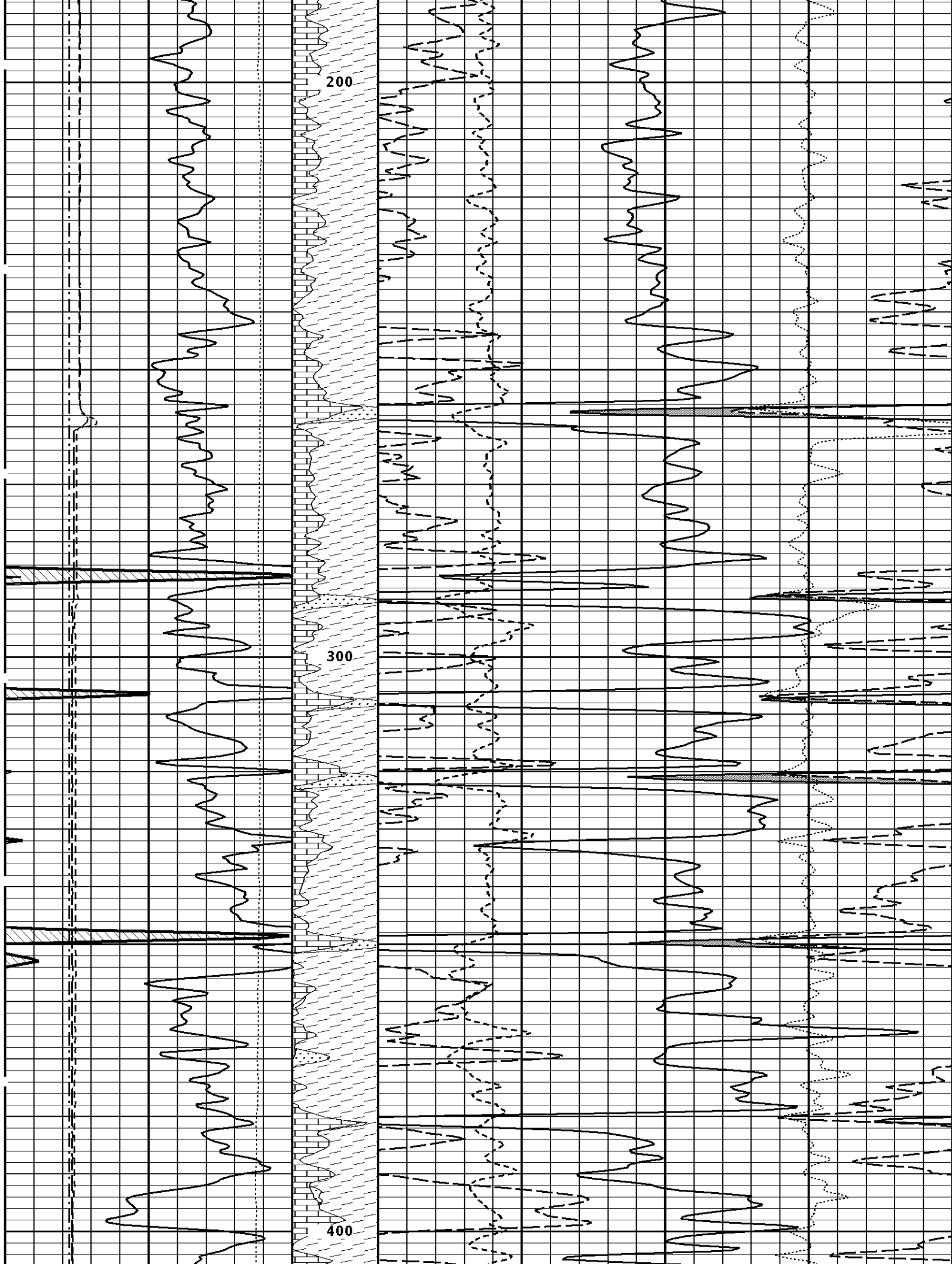
Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	30.92	12.56
ILM	10.10	32.10	11.39
SFLU	17.49	39.49	4.00
SP	20.60	42.60	0.88

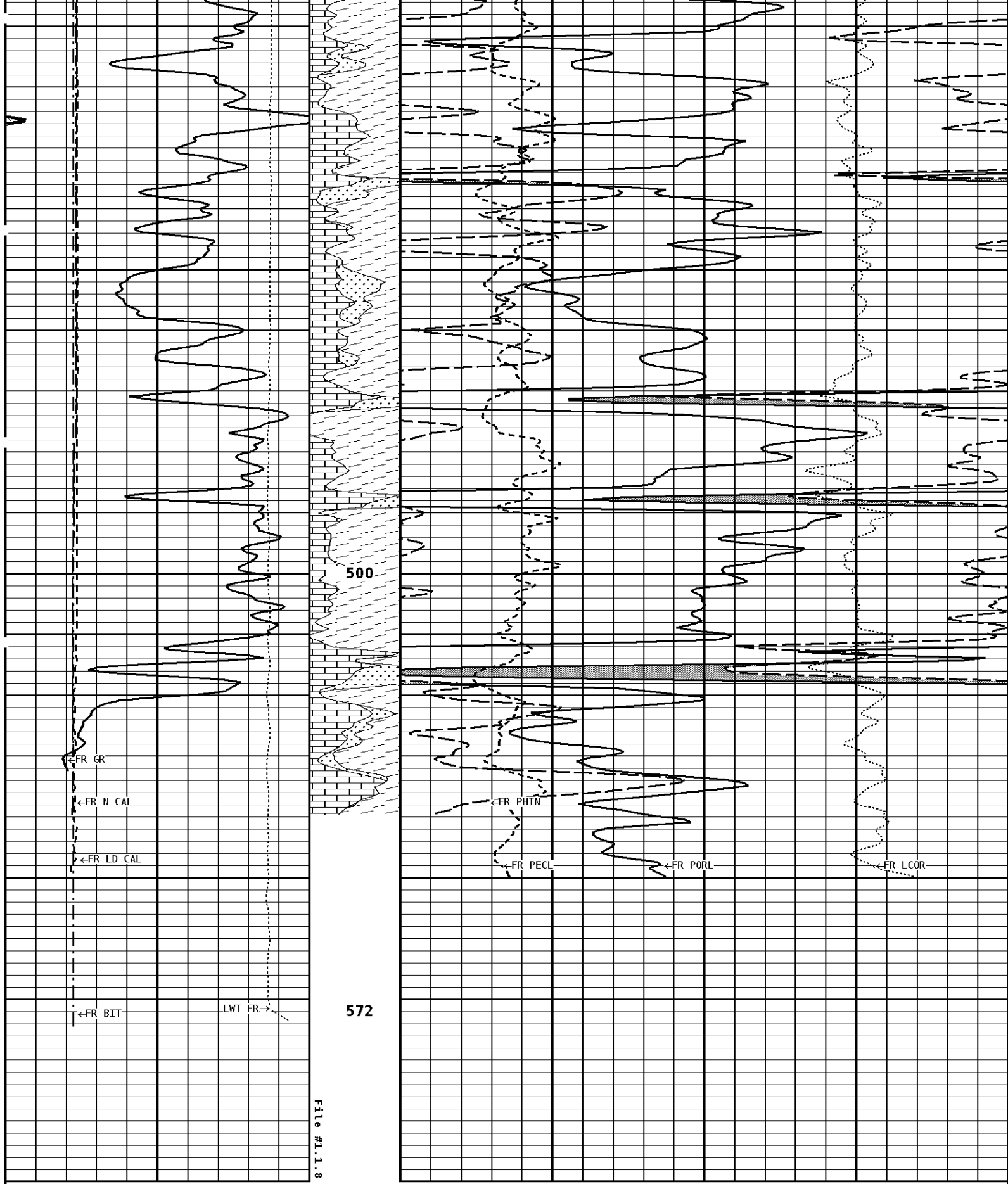
Well File: RFP_WUN_14-36B-4_JUN_14_STK Scale: 1:240
 Segment: V1.D1.S8 MAIN Acquired: 2012-06/14 10:37 3.2.0-10990
 Reference: 0 Processed: 2012-06/14 11:14 3.2.0-10990

TENSION LBS		10000		0	
BIT SIZE INCHES (IN)		4		14	
DENSITY (X) CALIPER INCHES (IN)	Volume Quartz	PE CROSS-SECTION BARNs/ELECTRON	DENSITY CORRECTION G/CC	14	24
4	14	0	10 -0.25	14	0.25
NEUTRON (Y) CALIPER INCHES (IN)	Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)		14	24
4	14	70	30	14	24
		-10	-10		
GAMMA RAY API UNITS	Volume Dolo/Shale	DENSITY POROSITY PERCENT (2.71 g/cc)		200	400
0	200	70	30	200	400
		-10	-10		

1:240 MAIN SECTION

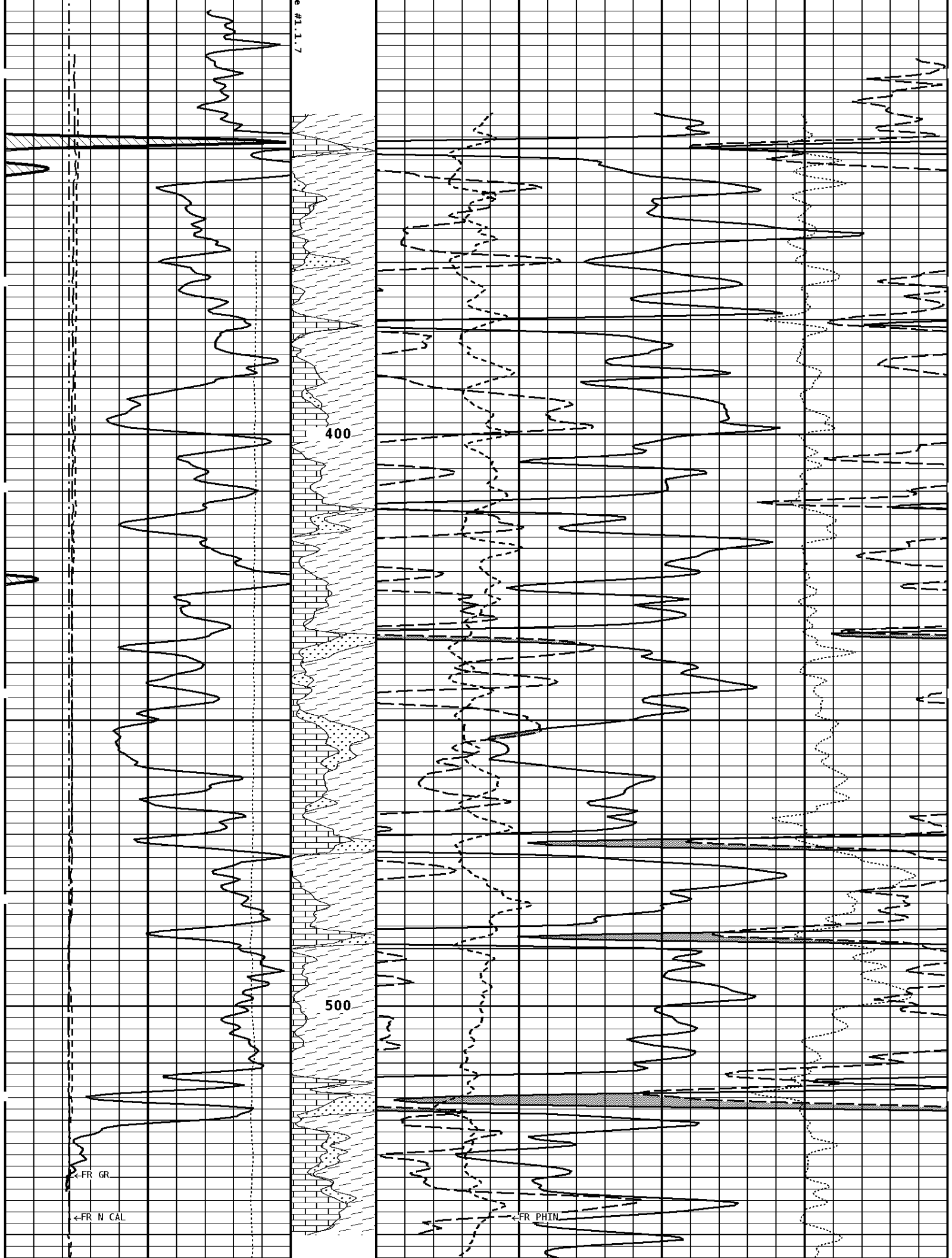






1:240 MAIN SECTION

#1.1.7



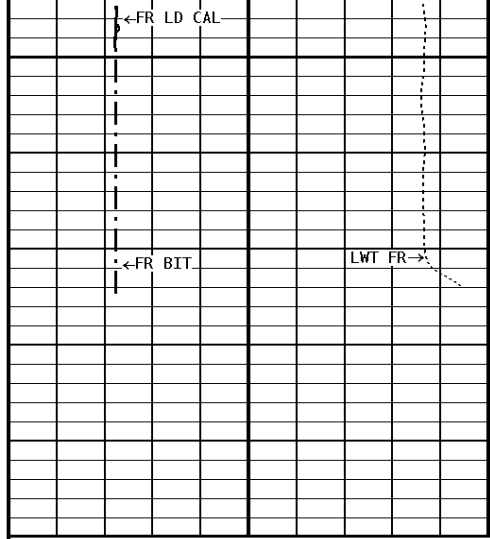
400

500

GR

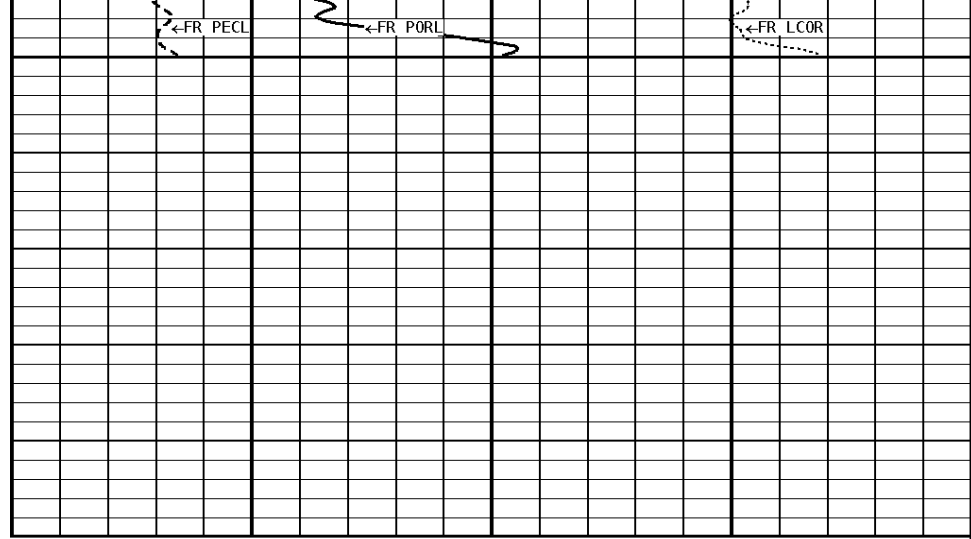
N CAL

PHIN



File #1.1.7

572



1:240 REPEAT SECTION

GAMMA RAY API UNITS 	Volume Dolo/Shale 	DENSITY POROSITY PERCENT (2.71 g/cc)	
200 0	70 30 -10	30 -10 -50	30 -10 -50
NEUTRON (Y) CALIPER INCHES (IN) 	Volume Calcite 	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)	
14 4	70 30 -10	30 -10 -50	30 -10 -50
DENSITY (X) CALIPER INCHES (IN) 	Volume Quartz 	PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
14 4	0	10	-0.25 0.25
BIT SIZE INCHES (IN) 			
4			
TENSION LBS 			
10000			

*** 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 _____	6.250 in
Casing Diameter _____	4.500 in
Casing Correction (PHI N) _____	Disable

Well File: RFP_WUN_14-36B-4_JUN_14_STK Segment: V1.D1.S8_MAIN Reference: 0	Scale: 1:240 Acquired: 2012-06/14 10:37 3.2.0-10990 Processed: 2012-06/14 11:14 3.2.0-10990
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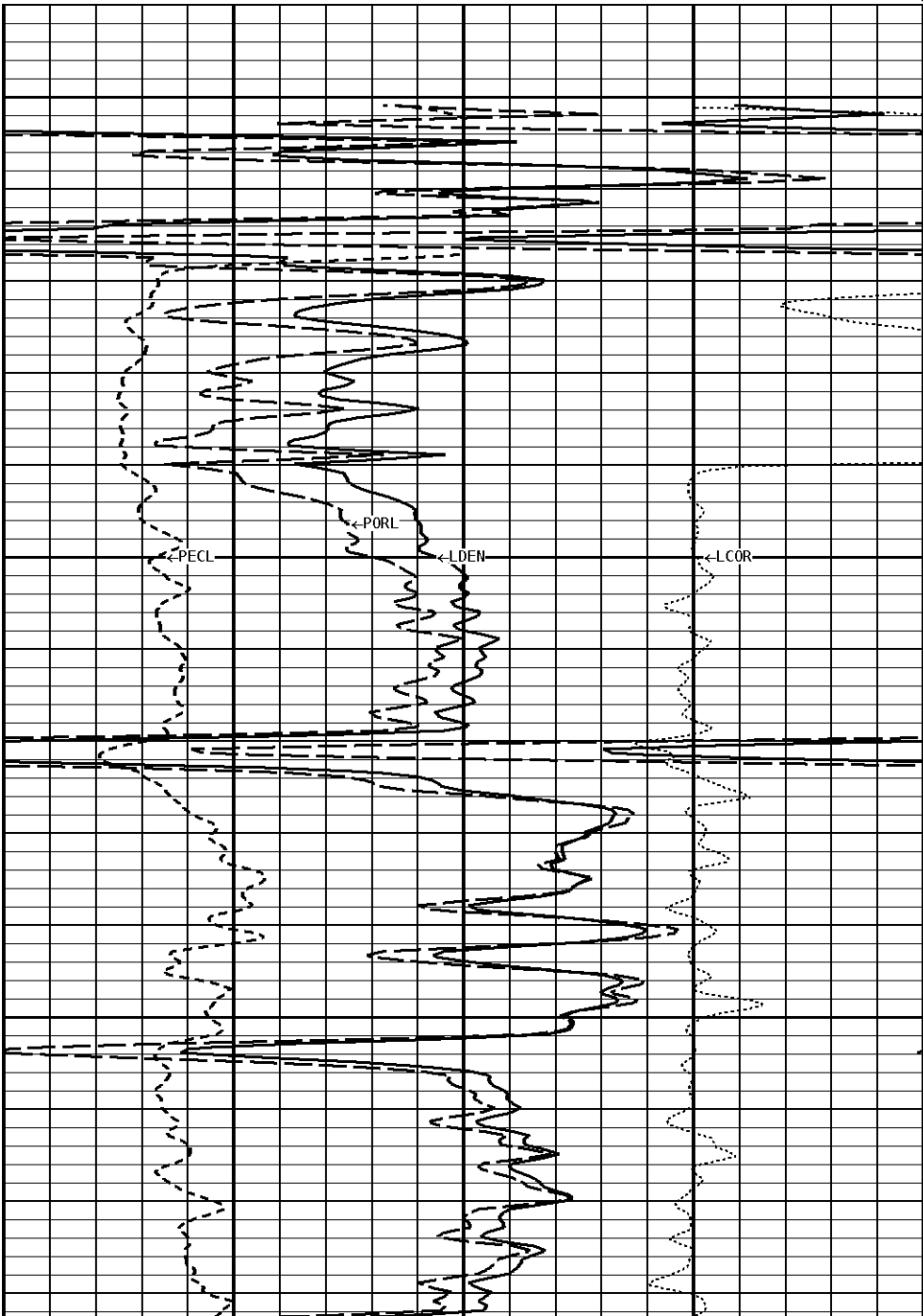
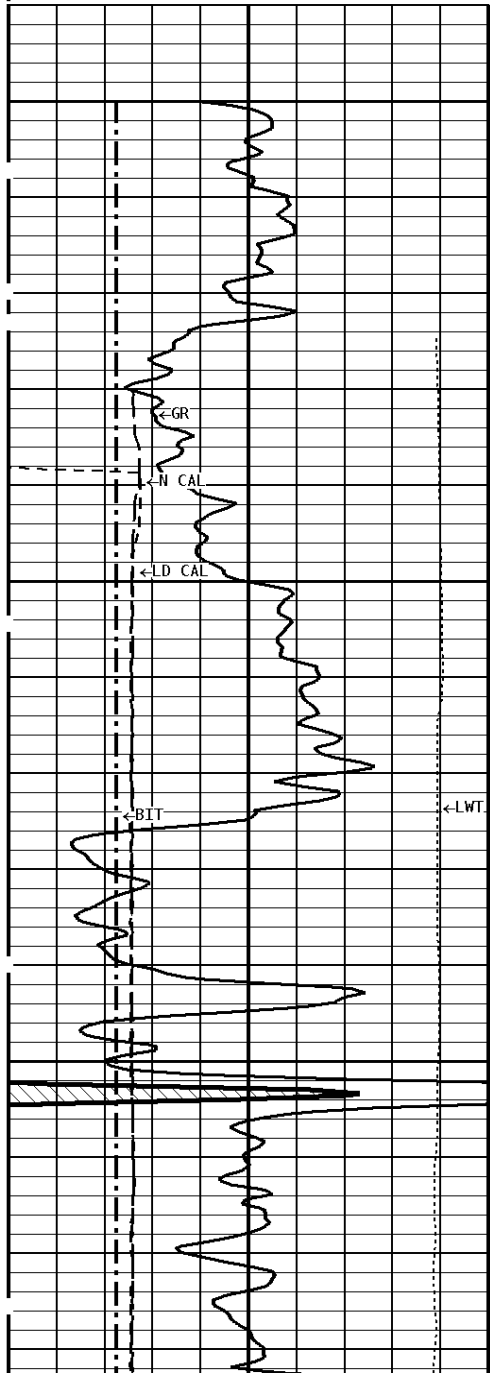
TENSION LBS
10000

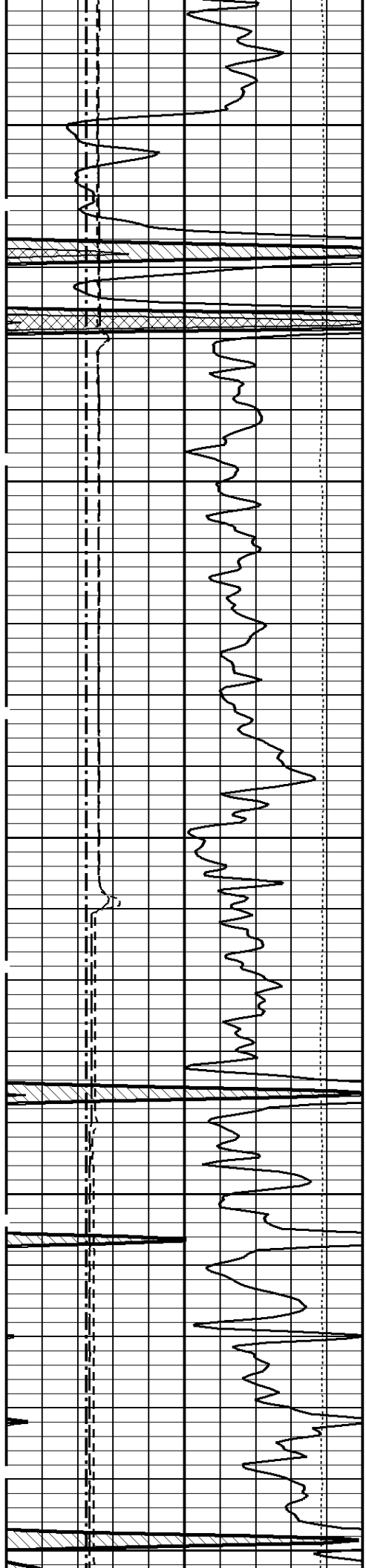
BIT SIZE INCHES (IN)

4	14
DENSITY (X) CALIPER INCHES (IN)	
14	24
4	14
NEUTRON (Y) CALIPER INCHES (IN)	
14	24
4	14
GAMMA RAY API UNITS	
200	400
0	200

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

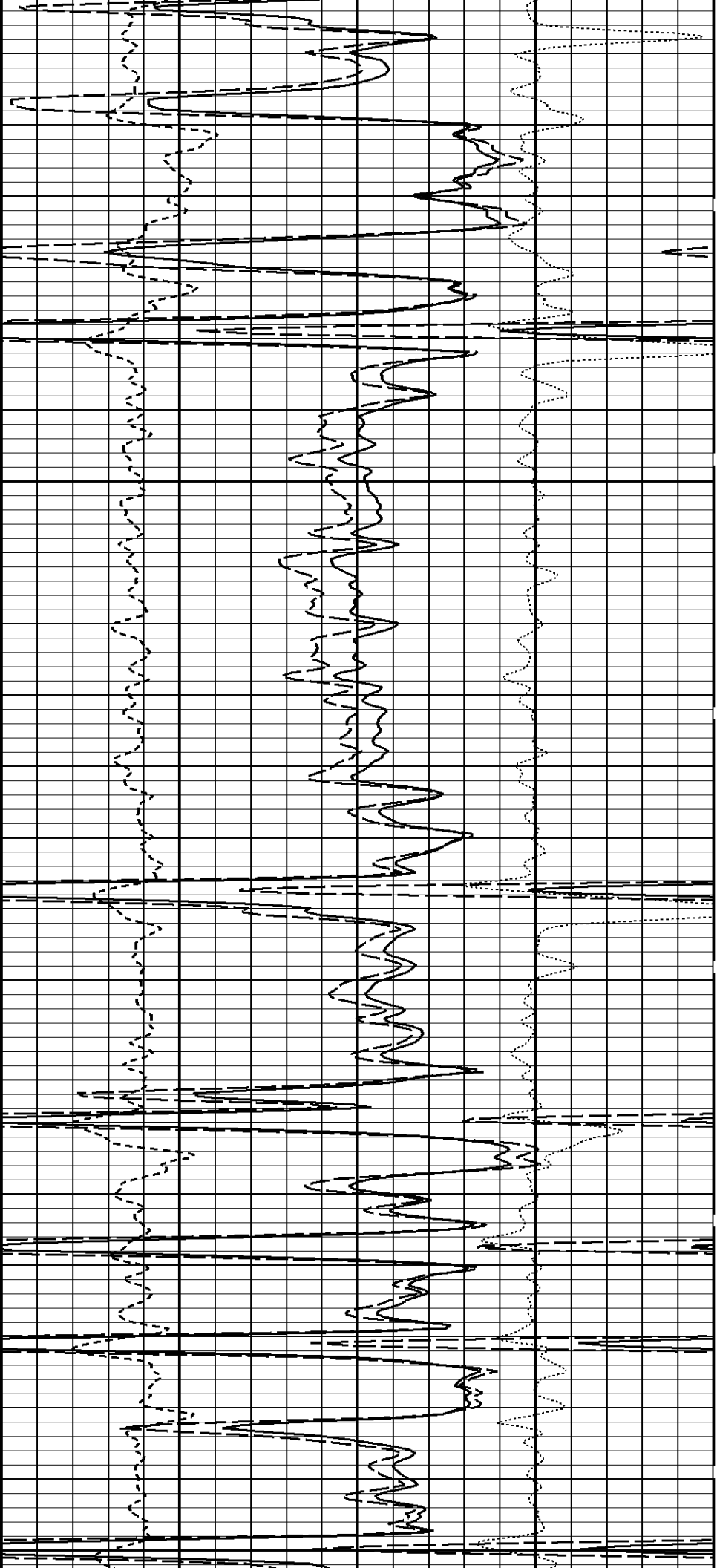
**1:240 MAIN SECTION
BULK DENSITY**

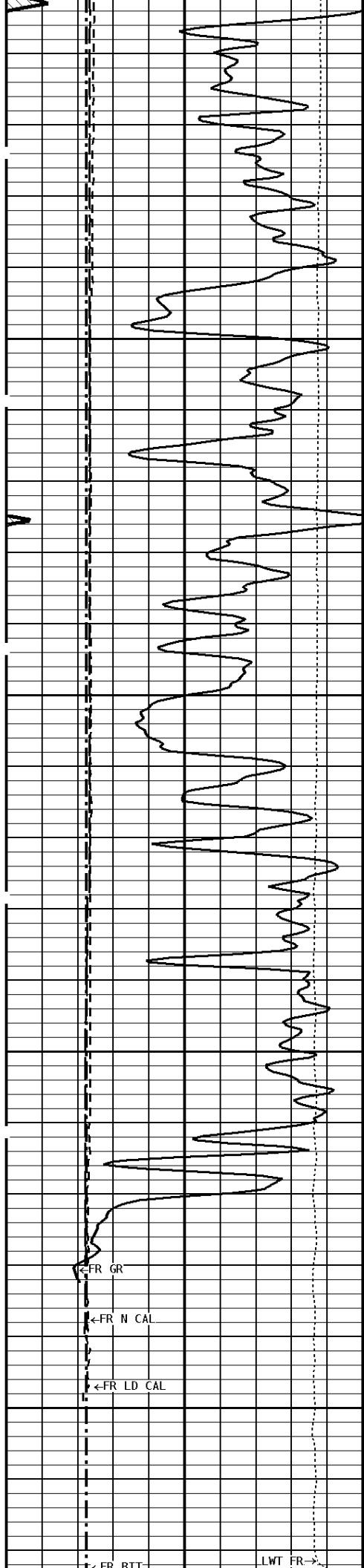




200

300





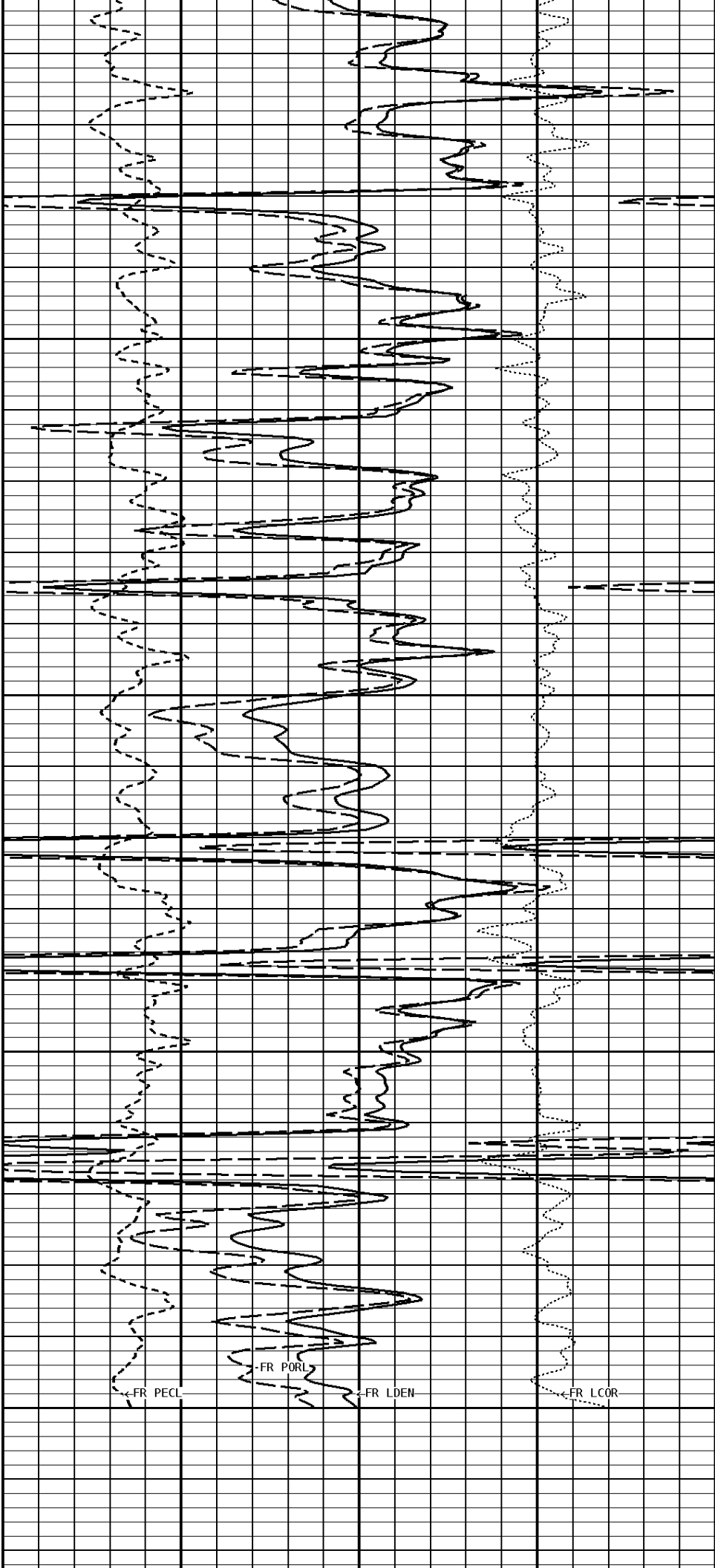
400

500

←FR GR

←FR N CAL

←FR LD CAL



←FR PECL

←FR PORL

←FR LDEN

←FR LCOR

←FR RTT

LWT FR →

File #1.1.8

1:240 MAIN SECTION BULK DENSITY

GAMMA RAY API UNITS 200 400 0 200	-BHV AHV- CU. FT	COMPENSATED BULK DENSITY G/CC	
		3.0	4.0
		2.0	3.0
		1.0	2.0
NEUTRON (Y) CALIPER INCHES (IN) 14 24 4 14		DENSITY POROSITY PERCENT (2.71 g/cc)	
		70	30
		30	-10
		-10	-50
DENSITY (X) CALIPER INCHES (IN) 14 24 4 14		PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
		0	-0.25
		10	0.25
BIT SIZE INCHES (IN) 4 14			
TENSION LBS 10000 0			

* 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 _____ 6.250 in Casing Diameter _____ 4.500 in Casing Correction (PHI N) _____ Disable

* Calibration Summary *

Shop Calibration GRT-B					
Performed : 25-MAY-2012			Time : 12:30		
Sensor Suite : GR-GR5			ID : GRT-BA-121		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig		
	51	355	175	GRAPI	
Shop Calibration CNT-AA					
Performed : 21-MAR-2012			Time : 11:09		
Sensor Suite : CALI-BCN			ID : NDT-AB-400		
	Jig - Measured		Jig - Calibrated		Units
CL # 1	Ring#1	Ring#2	Ring#1	Ring#2	
	8.6	14.6	6.0	12.0	IN.
Performed : 28-Mar-2012			Time : 12:06		
Sensor Suite : BHC NEUT			ID : CNP-AA-116		

Source ID : N-1044				
	Tank	Calibrated	Verification	Units
N/F	Measured	3.6893	Jig	
Porosity	3.8736	20.5	3.6981	%

Shop Calibration				
LDT-DA				
Performed : 25-MAY-2012		Time : 12:33		
Sensor Suite : CALI-LTH		ID : NDT-BB-139		
	Jig - Measured	Jig - Calibrated		Units
	Ring#1 Ring#2	Ring#1	Ring#2	
CL # 1	7.1 13.1	6.0	12.0	IN.

Performed : 04-May-2009		Time : 09:55			
Sensor Suite : BHCPELNG		ID : LDP-NG-36			
Source ID : CSV587					
Short Space					
	BKGD	Al	Mg	Al+Fe	Units
LSW1	79	507	809	343	CPS
LSW2	86	589	921	432	CPS
LSW3	316	1428	2194	1229	CPS
LSW4	388	1336	1822	1201	CPS
LSW5	38	47	48	45	CPS
LSW6	103	100	102	103	CPS
LSW7	64	65	66	67	CPS
LSW8	3	3	4	3	CPS
QS	0.234	0.212	0.214	0.212	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	118	591	2334	386	CPS
LLW2	130	1017	4088	752	CPS
LLW3	506	2060	7333	1795	CPS
LLW4	645	1244	3065	1161	CPS
LLW5	76	81	93	79	CPS
LLW6	205	200	193	201	CPS
LLW7	130	131	126	131	CPS
LLW8	6	7	12	7	CPS
QL	0.224	0.208	0.210	0.211	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC