

Comments

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 UISING 4.500" PRODUCTION CASING.

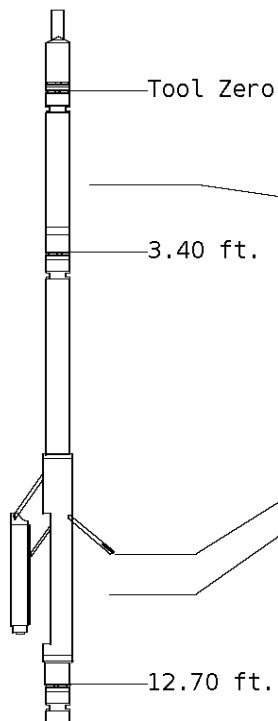
GRT: GRP.
 CNT: PHIN, CLCNIN
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
 PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:

M.BURKE

Tool String Schematic

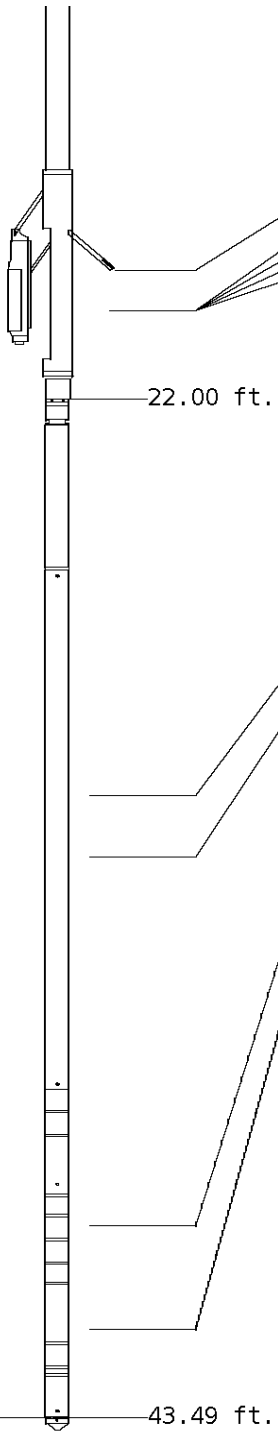
Total Tool Length - 43.49 ft.
 Maximum Outside diameter - 4.80 in.
 Net Weight in Air - 743.00 lbs.



Tool: GRT-B Gamma Ray Controller	Length: 3.40 ft.	O.D.: 3.60 in.	
Sonde ID :GRT-BA-14			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	41.49
Tool: CNT-AA Compensated Neutron A Pad on NDT-A	Length: 9.30 ft.	O.D.: 4.36 in.	
Sonde ID :NDT-AB-400			
Source ID :N-1044			
Pad ID :CNP-AA-116			
Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLCN	6.00	9.40	34.09
PHIN	6.80	10.20	33.29
Tool: LDT-DA Litho Density D Pad on NDT A	Length: 9.30 ft.	O.D.: 4.80 in.	

LITHO DENSITY D Pad On INDI-A
Sonde ID :PDT-GA-465
Source ID :CSV-587
Pad ID :LDP-DA-01

Measure Point	Tool Offset	Stack Offset	Bottom Offset
CLLD	6.00	18.70	24.79
PEL	7.00	19.70	23.79
PES	7.40	20.10	23.39
LDEN	7.20	19.90	23.59
LCOR	7.20	19.90	23.59

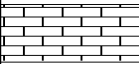
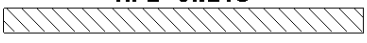


Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AB-18

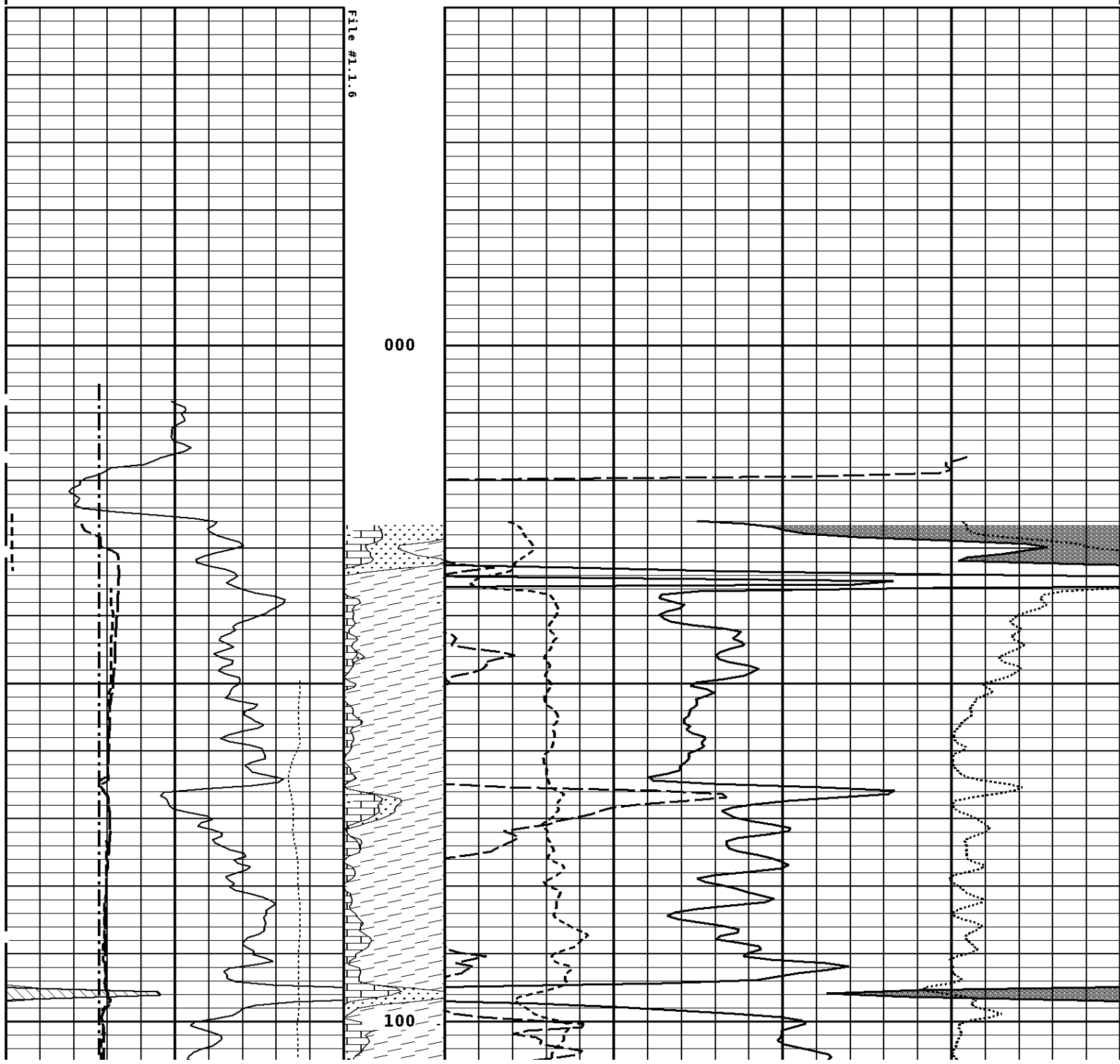
Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	30.92	12.56
ILM	10.10	32.10	11.39
SFLU	17.49	39.49	4.00
SP	20.60	42.60	0.88

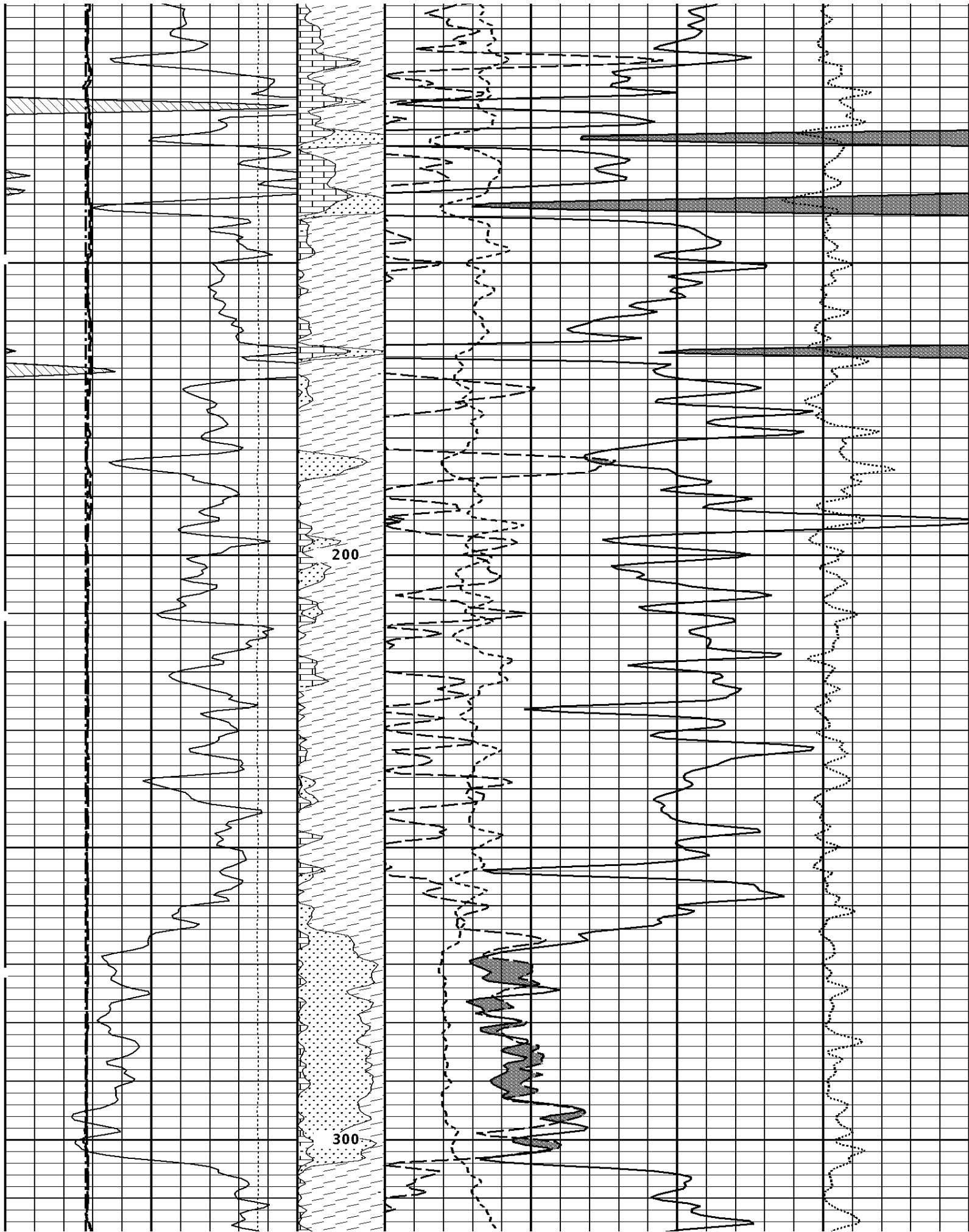
Well File: RUNNING_FOXES_PAYNE 10-33B-4 OCT17 ST **Scale:** 1:240
Segment: V1.D1.S6 Reprocess of MAIN **Acquired:** 2011-10/17 17:14 3.2.0-10220
Reference: 0 **Processed:** 2011-10/17 17:27 3.2.0-10220

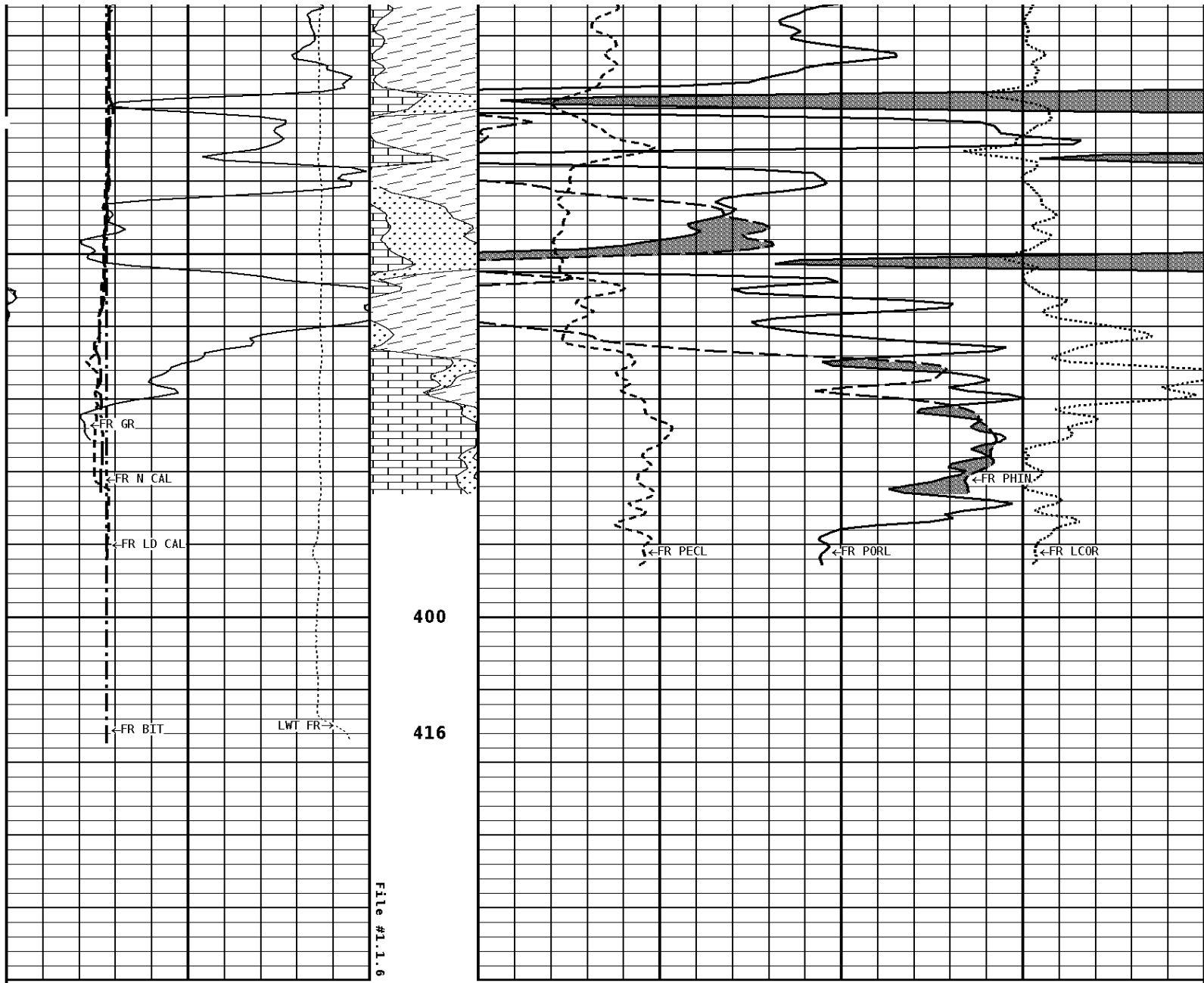
TENSION LBS		10000 ----- 0					
BIT SIZE INCHES (IN)		4 ----- 14		Volume Dolo/Shale			
DENSITY (X) CALIPER INCHES (IN)		14 ----- 24		Volume Quartz		PE CROSS-SECTION BARNs/ELECTRON	
		4 ----- 14		0		10 -0.25 ----- 0.25	
						DENSITY CORRECTION G/CC	

NEUTRON (Y) CALIPER INCHES (IN)		Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)	
14 4	24 14		30	-10
GAMMA RAY API UNITS		- BHV AHV - CU. FT	DENSITY POROSITY PERCENT (2.71 g/cc)	
200 0	 400 200		70 30 -10	30 -10 -50

1:240 MAIN SECTION

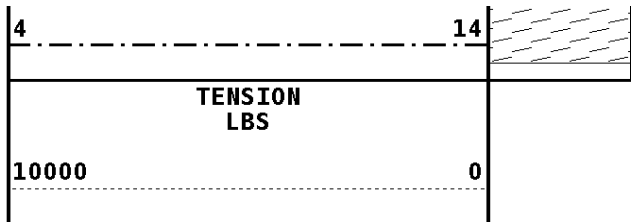






1:240 MAIN SECTION

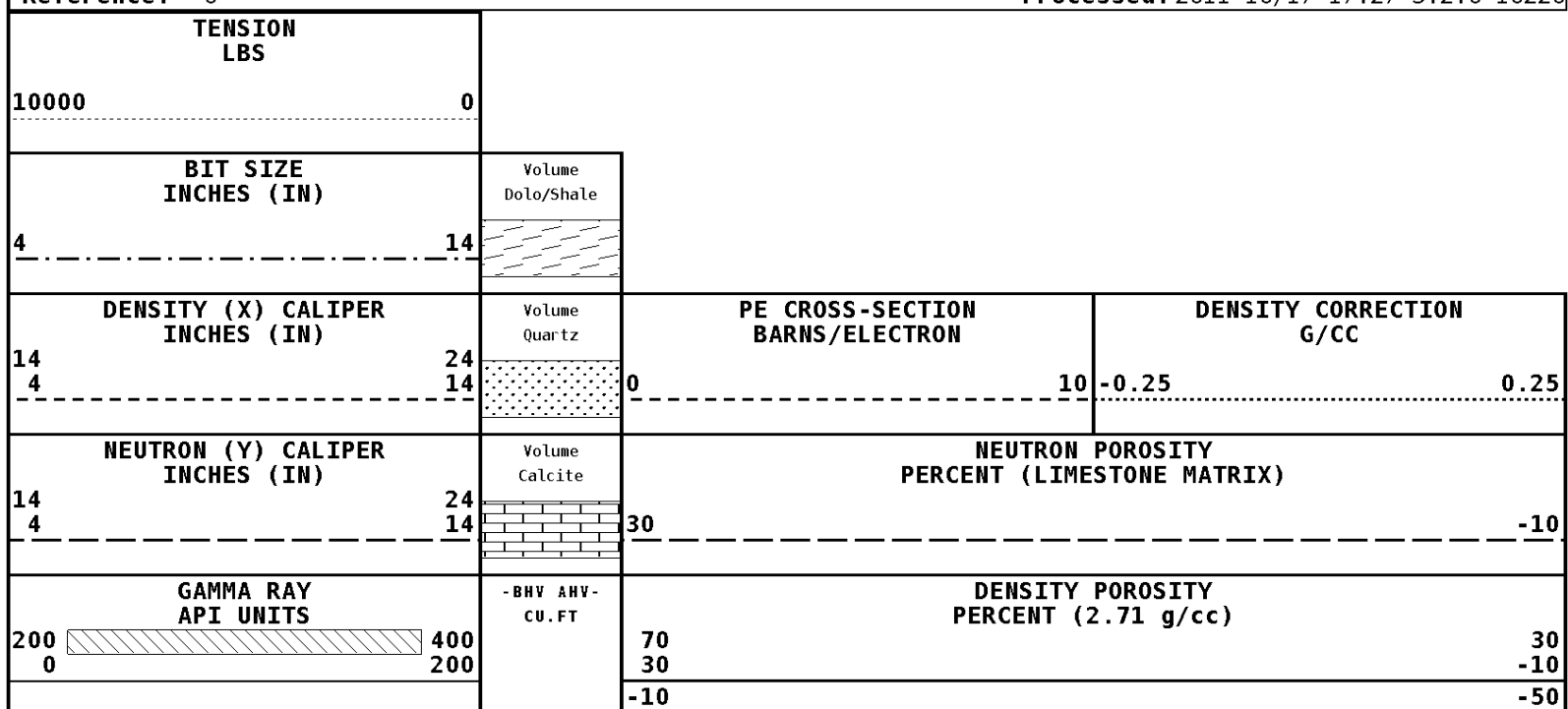
<p>GAMMA RAY API UNITS</p> <p>200 0 400 200</p>	<p>- BHV AHV - CU. FT</p> <p>70 30 -10</p>	<p>DENSITY POROSITY PERCENT (2.71 g/cc)</p> <p>30 -10 -50</p>	
<p>NEUTRON (Y) CALIPER INCHES (IN)</p> <p>14 4 24 14</p>	<p>Volume Calcite</p> <p>30</p>	<p>NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)</p> <p>-10</p>	
<p>DENSITY (X) CALIPER INCHES (IN)</p> <p>14 4 24 14</p>	<p>Volume Quartz</p> <p>0</p>	<p>PE CROSS-SECTION BARNS/ELECTRON</p> <p>10 -0.25</p>	<p>DENSITY CORRECTION G/CC</p> <p>0.25</p>
<p>BIT SIZE INCHES (IN)</p>	<p>Volume DoLo/Shale</p>		



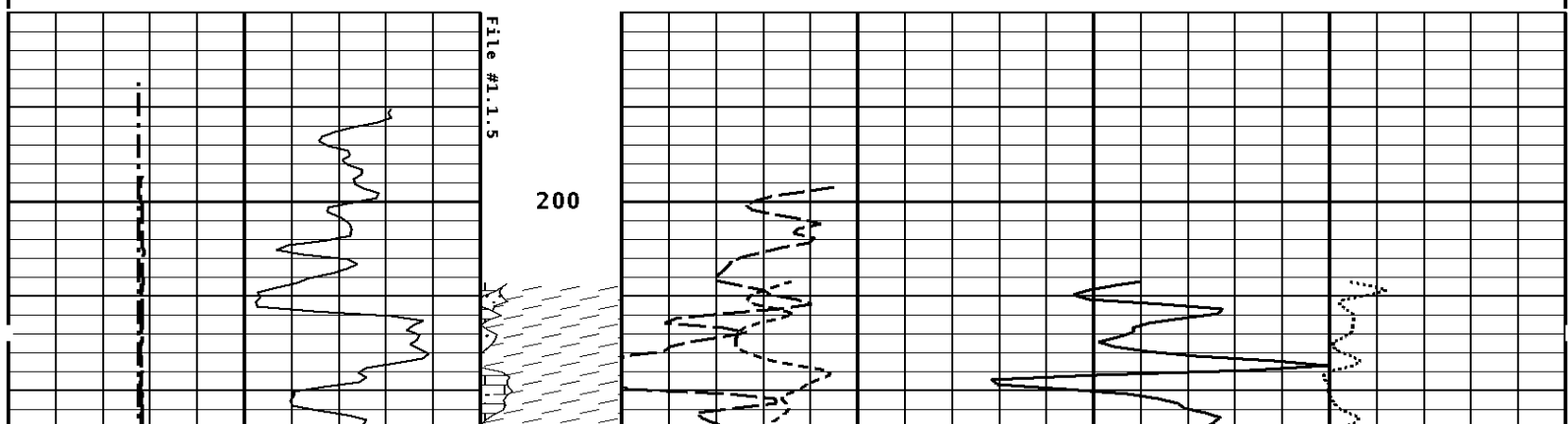
*** Borehole Zone Factors ***

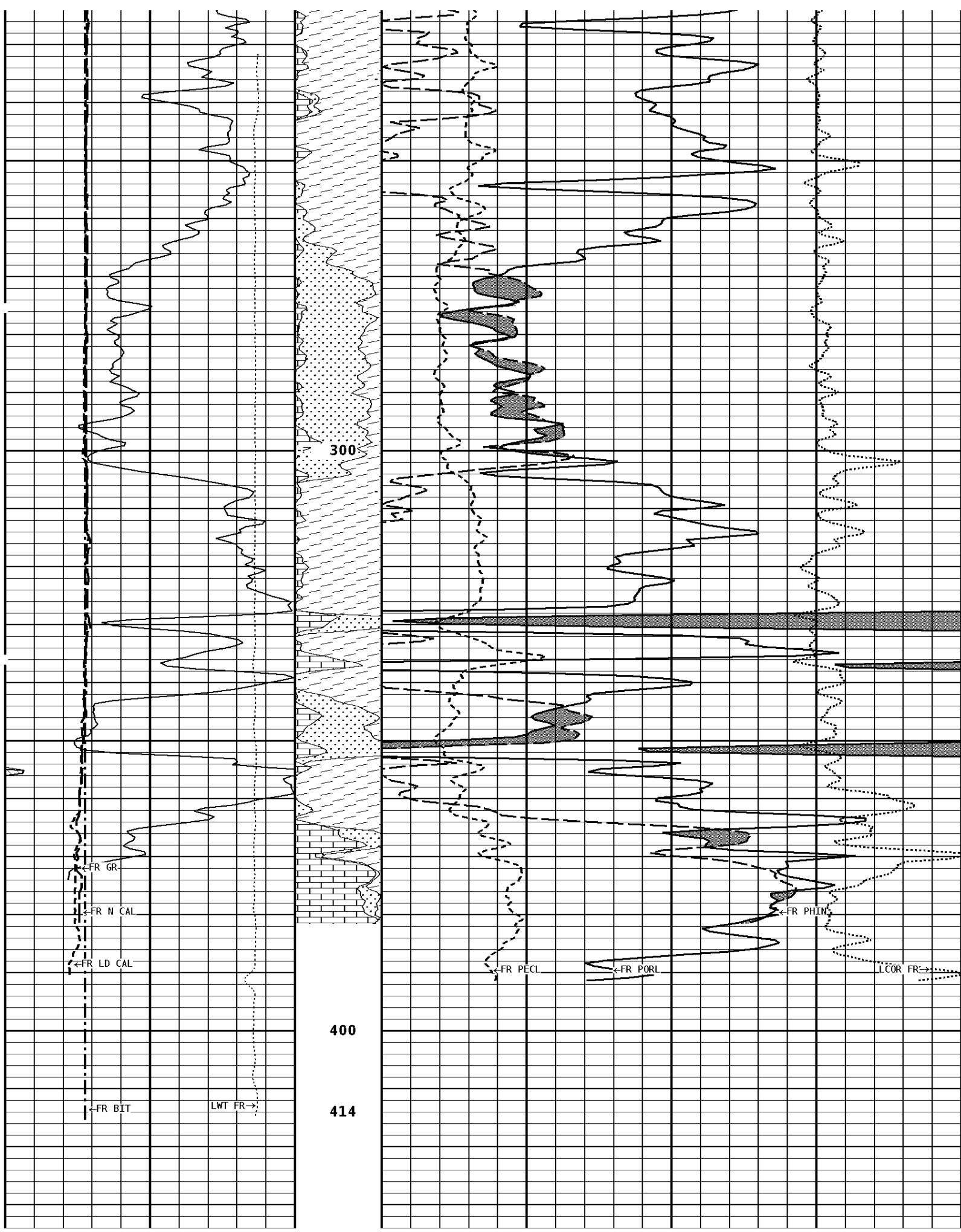
Zone 1 99999.0 to 0.0 Feet	
Matrix Density _____	2.71 g/cc
Fluid Density _____	1.00 g/cc
Formation Matrix _____	Limestone
Drill Bit Size _____	6.750 in
Casing Diameter _____	4.500 in
Casing Correction (PHI N) _____	Disable

Well File: RUNNING FOXES PAYNE 10-33B-4 OCT17 ST **Scale:** 1:240
Segment: V1.D1.S5 Reprocess of REPEAT **Acquired:** 2011-10/17 17:06 3.2.0-10220
Reference: 0 **Processed:** 2011-10/17 17:27 3.2.0-10220



1:240 REPEAT SECTION





300

400

414

←FR GR

←FR N CAL

←FR LD CAL

←FR BIT

LWT FR→

←FR PECL

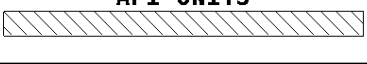
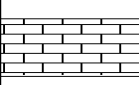


←FR PORL

←FR PHIN

←COR FR→

File #1.1.5

1:240 REPEAT SECTION

GAMMA RAY API UNITS 	- BHV AHV - CU. FT	DENSITY POROSITY PERCENT (2.71 g/cc)	
200 0		70 30 -10	
400 200		30 -10 -50	
NEUTRON (Y) CALIPER INCHES (IN)	Volume Calcite 	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)	
14 4	24 14	30 -10	
DENSITY (X) CALIPER INCHES (IN)	Volume Quartz 	PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC
14 4	24 14	0 10	-0.25 0.25
BIT SIZE INCHES (IN)	Volume DoLo/Shale 		
4	14		
TENSION LBS			
10000	0		

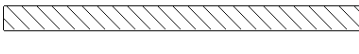
*** Borehole Zone Factors ***

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 _____ 6.750 in Casing Diameter _____ 4.500 in Casing Correction (PHI N) _____ Disable

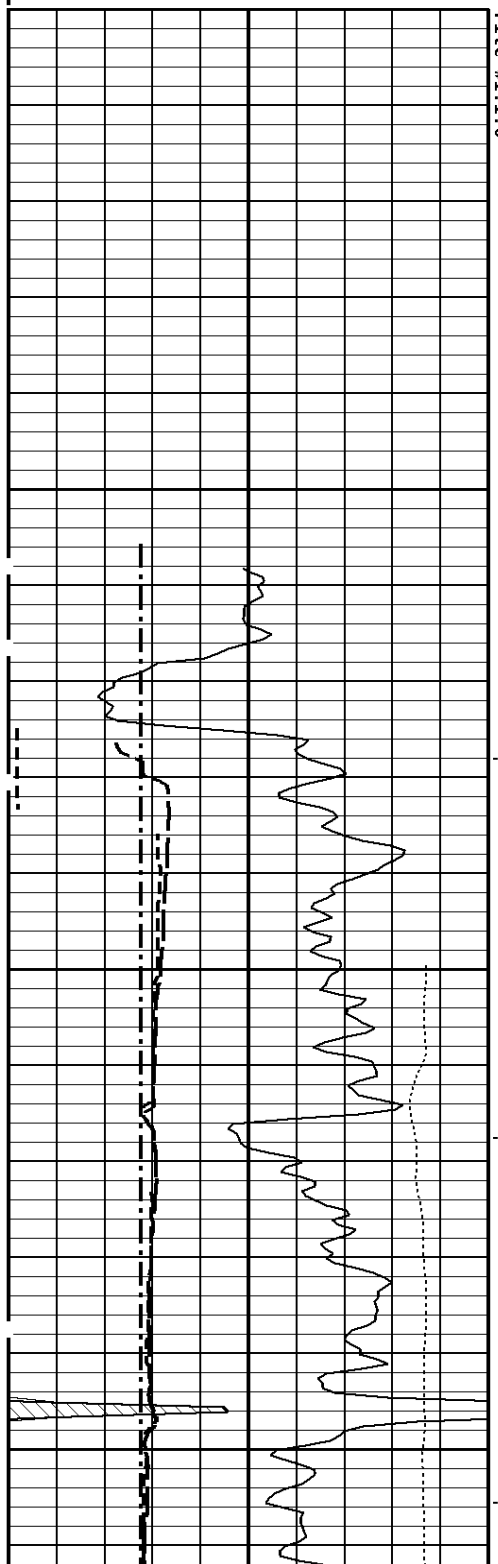
Well File: RUNNING FOXES PAYNE 10-33B-4 OCT17 ST	Scale: 1:240
Segment: V1.D1.S6 Reprocess of MAIN	Acquired: 2011-10/17 17:14 3.2.0-10220
Reference: 0	Processed: 2011-10/17 17:27 3.2.0-10220

TENSION LBS
10000
0
BIT SIZE INCHES (IN)
4
14
DENSITY (X) CALIPER INCHES (IN)
14 4
24 14
NEUTRON (Y) CALIPER INCHES (IN)

PE CROSS-SECTION BARN/ELECTRON	DENSITY CORRECTION G/CC
0	-0.25
10	0.25
DENSITY POROSITY PERCENT (2.71 g/cc)	

14 4	24 14	70 30 -10	50 -10 -50
GAMMA RAY API UNITS 		-BHV AHV- CU. FT	COMPENSATED BULK DENSITY G/CC
200 0	400 200	3.0 2.0 1.0	4.0 3.0 2.0

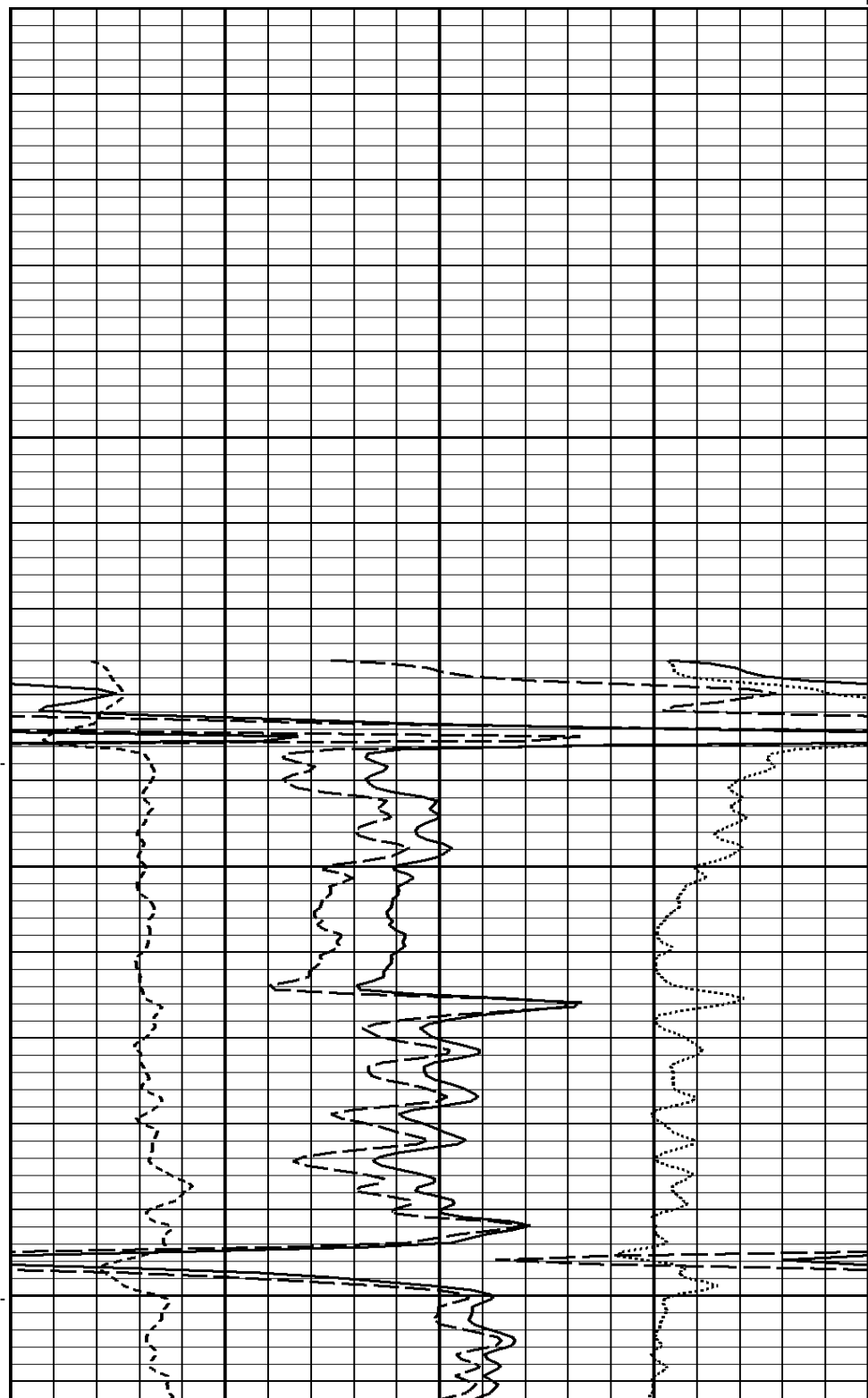
**1:240 MAIN SECTION
BULK DENSITY**

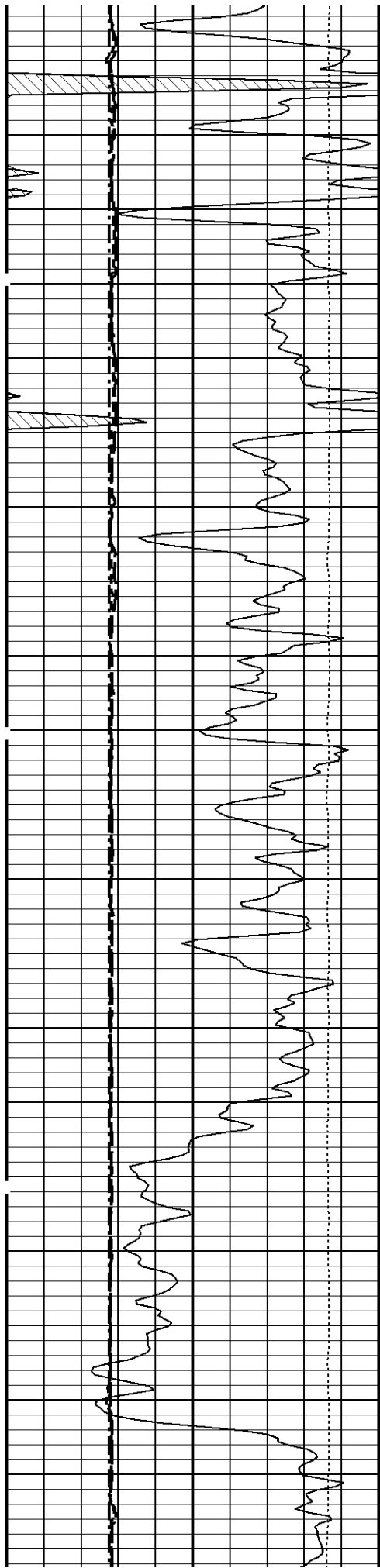


File #1.1.6

000

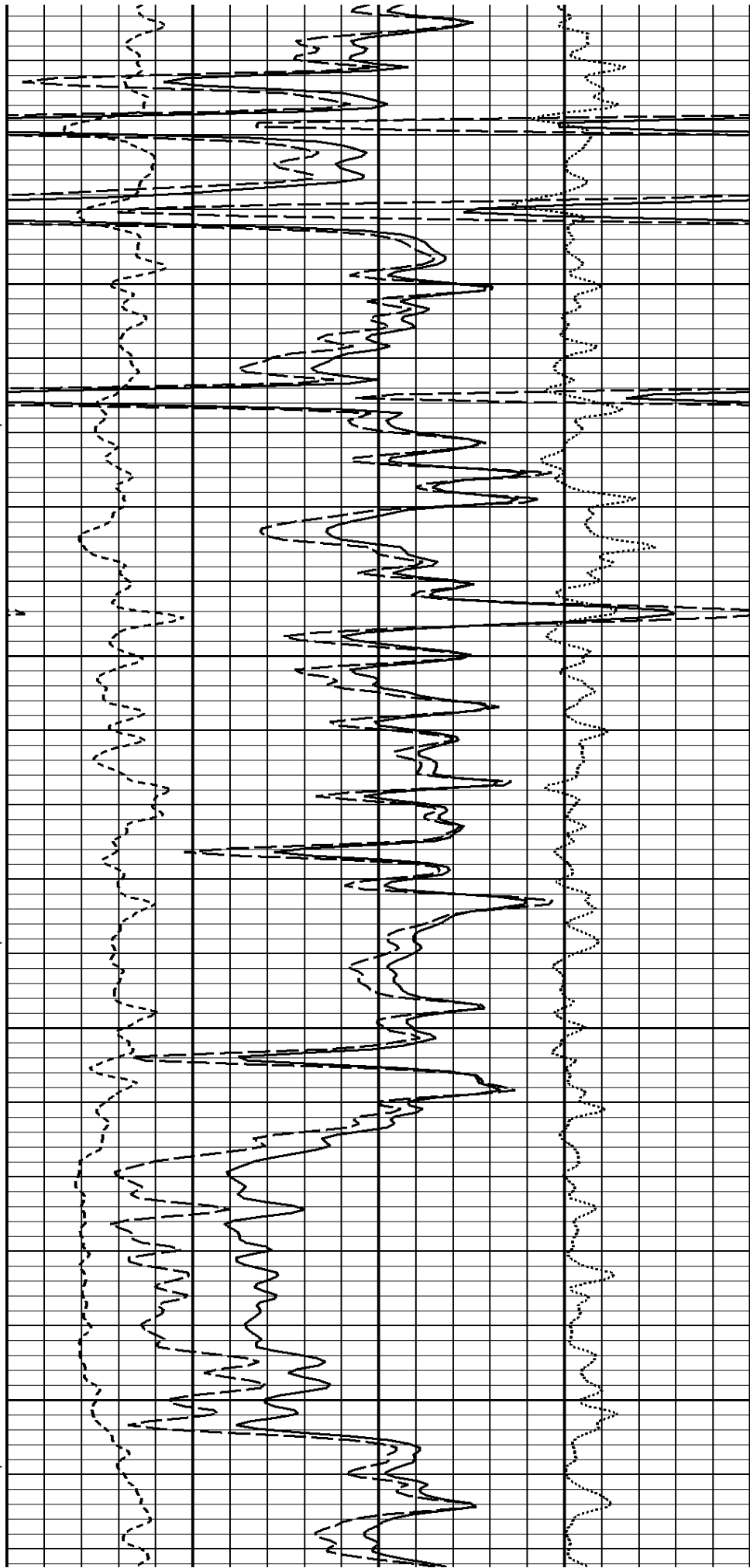
100

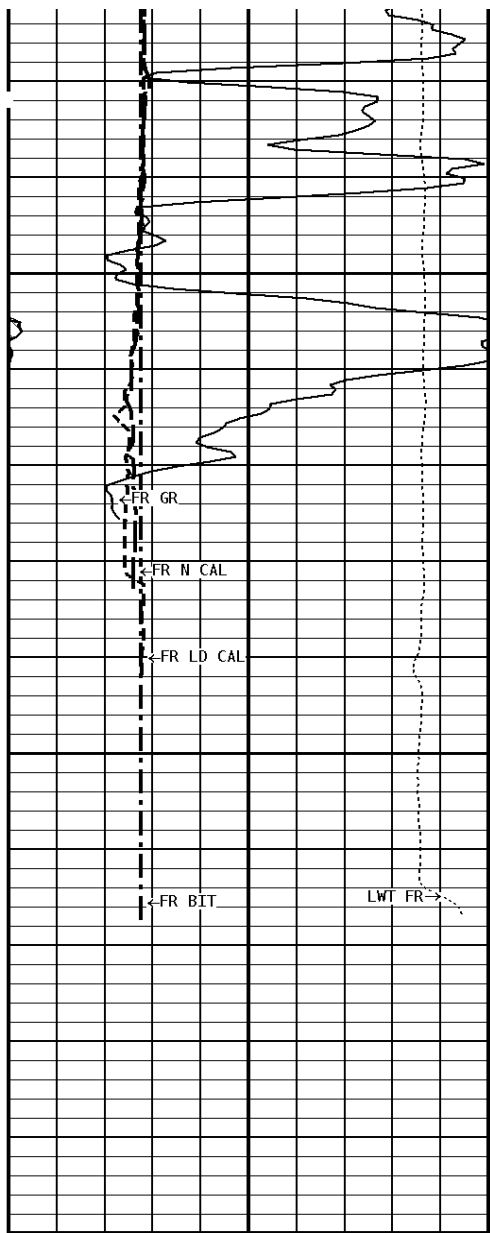




200

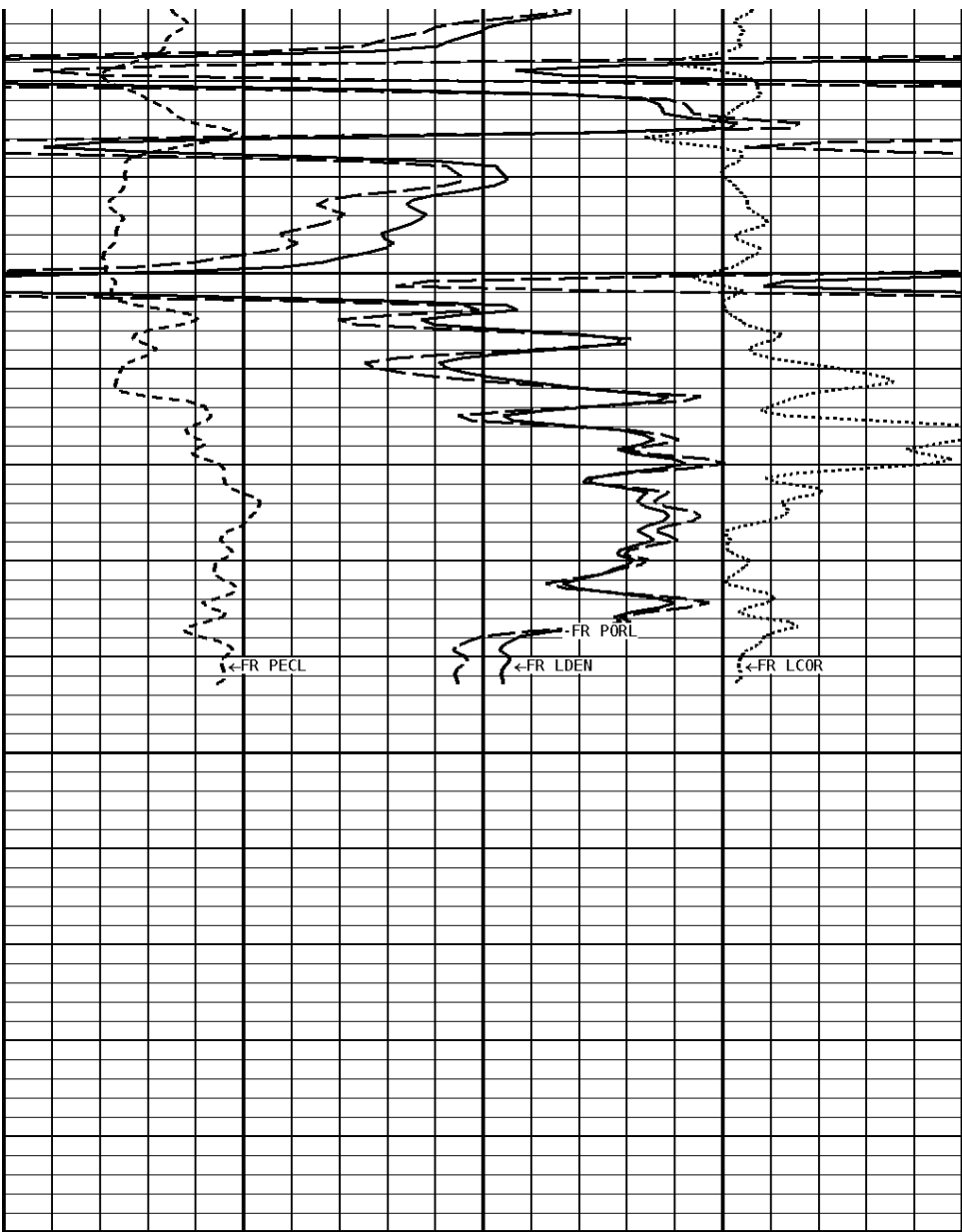
300





File #1.1.6

400
416



1:240 MAIN SECTION BULK DENSITY

GAMMA RAY API UNITS 200 0 400 200	-BHV AHV- CU. FT
NEUTRON (Y) CALIPER INCHES (IN) 14 4 ----- 24 14	
DENSITY (X) CALIPER INCHES (IN) 14 4 ----- 24 14	
BIT SIZE INCHES (IN) 4 ----- 14	

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

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	_____	6.750			in
Casing Diameter	_____	4.500			in
Casing Correction (PHI N)	_____	Disable			

*** Calibration Summary ***

Shop Calibration					
GRT-B					
Performed : 16-MAY-2011			Time : 09:49		
Sensor Suite : GR-GR5			ID : GRT-BA-14		
	Background	Measured Jig	Units	Calibrated Jig	Units
GR	50	361	CPS	175	GRAPI
Shop Calibration					
CNT-AA					
Performed : 21-MAR-2011			Time : 11:09		
Sensor Suite : CALI-BCN			ID : NDT-AB-400		
	Jig - Measured			Jig - Calibrated	Units
	Ring#1	Ring#2		Ring#1	Ring#2
CL # 1	8.3	14.3		6.0	12.0
					IN.
Shop Calibration					
LDT-DA					
Performed : 13-Jul-2011			Time : 11:29		
Sensor Suite : BHC NEUT			ID : CNP-AA-116		
Source ID : N-1044					
	Tank			Verification	Units
	Measured	Calibrated		Jig	
N/F	3.8805	3.6893		3.7029	
Porosity	23.5	20.5		20.7	%
Shop Calibration					
LDT-DA					
Performed : 15-MAY-2011			Time : 08:26		
Sensor Suite : CALI-LTH			ID : PDT-GA-465		
	Jig - Measured			Jig - Calibrated	Units
	Ring#1	Ring#2		Ring#1	Ring#2
CL # 1	6.0	12.0		6.0	12.0
					IN.
Performed : 13-Jul-2011			Time : 12:09		
Sensor Suite : BHCPENLNG			ID : LDP-DA-01		
Source ID : CSV-587					
Short Space					
	BKGD	Al	Mg	Al+Fe	Units
LSW1	64	489	798	327	CPS
LSW2	69	564	908	409	CPS
LSW3	259	1341	2112	1147	CPS
LSW4	310	1227	1704	1093	CPS
LSW5	31	39	42	38	CPS
LSW6	79	79	78	79	CPS
LSW7	48	52	52	51	CPS
LSW8	3	4	4	4	CPS
QS	0.240	0.209	0.202	0.221	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	109	613	2504	393	CPS
LLW2	123	1058	4276	772	CPS

LLW3	469	2037	7352	1776	CPS
LLW4	607	1182	2992	1113	CPS
LLW5	69	73	90	72	CPS
LLW6	197	190	183	191	CPS
LLW7	120	121	118	122	CPS
LLW8	8	9	14	8	CPS
QL	0.243	0.222	0.217	0.220	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC