

Tucker

WIRELINE SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

Company		RUNNING FOXES PETROLEUM		N	
Well		SNYDER #2-1A			
Field		CHEROKEE BASIN COAL AREA			
County		BOURBON			
State		KANSAS			
Country		USA			
API No.		15-011-23881-0000			
File No		TUL-57384			
Company		RUNNING FOXES PETROLEUM INC.			
Well		SNYDER #2-1A			
Field		CHEROKEE BASIN COAL AREA			
County		BOURBON			
State		KANSAS			
Country		USA			
API No		15-011-23881-0000			
Location		330' FNL & 1650' FEL			
NE NW NE					
LSD :		Sect : 1		Twp : 24S	
				Rge : 23E	
Permanent Datum:		GL		Elevations:	
Drilling Measured From:		GL		KB 0.00	
Log Measured From:		GL		DF 0.00	
Above Permanent Datum:		0.00 Ft		GL 862.00	
Date		2012-06-06		Services:	
Run Number		1		CNT	
Depth--Driller		521.0 Ft		LDT	
Depth--Logger		520.0 Ft		PIT	
First Reading		497.0 Ft			
Last Reading		27.0 Ft			
Casing--Driller		27.0 Ft			
Casing--Logger		27.0 Ft			
Bit Size		6.750 In			
Casing Size		8.625 In			
Hole Fluid Type		FRESH			
Density		0.0 LBS/GAL			
Fluid Loss		0.0 CC			
PH/Viscosity		0.0		0.0 SEC	
Sample Source		MEASURED			
RM@Measured Temp.		4.000 @ 80 F			
RMF@Measured Temp		3.200 @ 80 F			
RMC@Measured Temp.		4.800 @ 80 F			
Source RMF/RMC		CALCULATED/CALCULATED			
RM@BHT		4.080 @ 78 F			
Time Circulation Stopped		2012-06-06 07:38			
Max Recorded Temp.		78 F			
Equipment/Base		TRK 127 TULSA			
Recorded By		SHELDON TYLER			
Witnessed By		K. HODGES			

The customer is hereby warned that by providing the log data herein, Tucker Technologies, Inc. does not agree to provide any interpretation of log data, conversion of log data to physical rock parameters or recommendations. Tucker Technologies, Inc. does not guarantee or warrant either expressly or impliedly, the accuracy of any interpretation of log data, conversion of log data to physical rock parameters or recommendations which may be given by Tucker Technologies, Inc. personnel. Any interpretation, conversion or recommendation is not part of the consideration for the agreement between the parties and is not part of any part of the charge by Tucker Technologies, Inc. for its services. Any user of the log data is warned that said user is not entitled to rely on interpretations, conversions or recommendations as aforesaid.

Bitsize Intervals		Casing Strings		
Size (In)	Bottom (Ft)	Size (In)	Weight (Lbs)	Bottom (Ft)
6.750	521.00	8.625	32.00	27.00

Run Number	1	
Date	2012-06-06	
Date/Time On Bottom	2012-06-06 08:38	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	3.260 @ 78 F	
RMC@BHT	4.900 @ 78 F	

Run Number 1

Comments

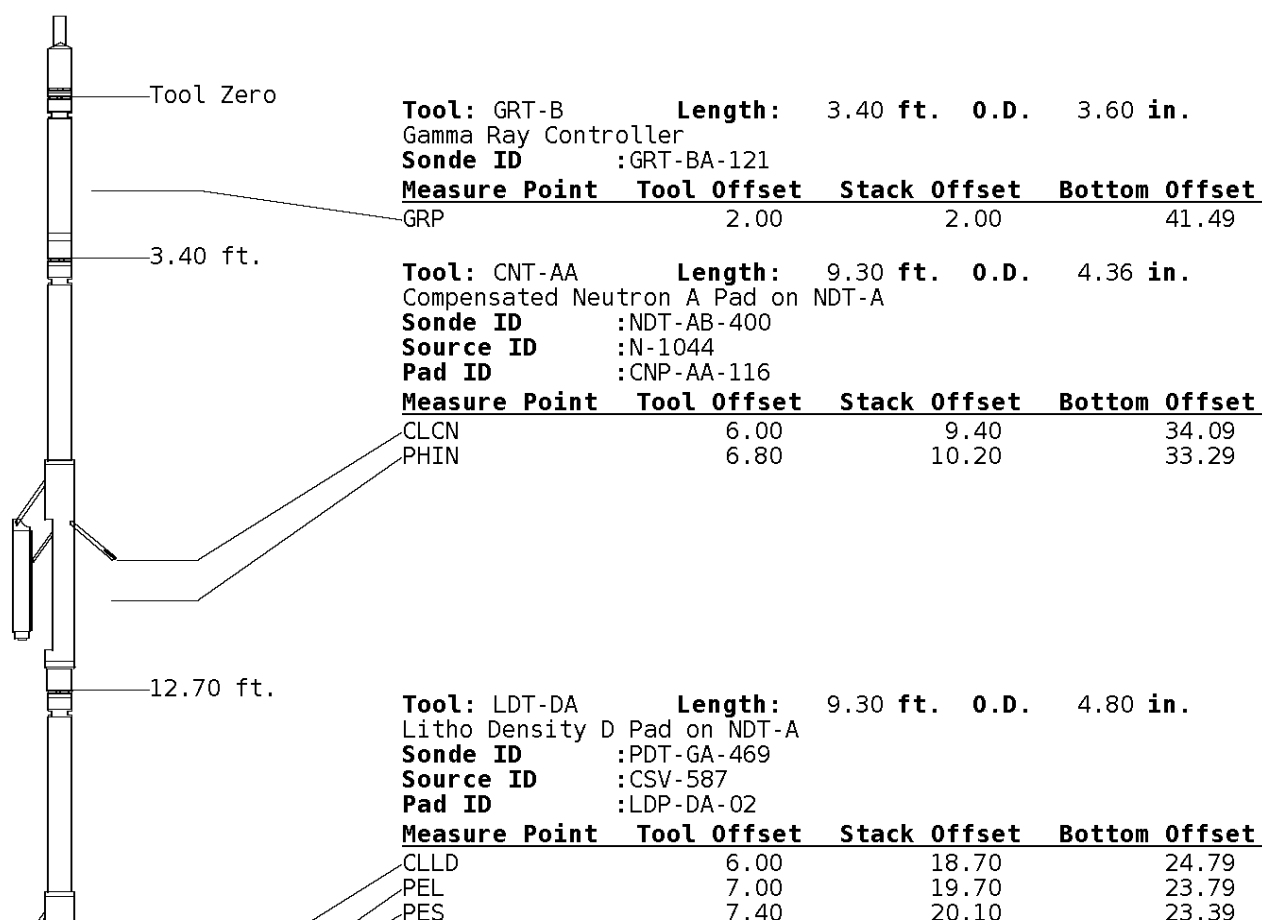
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
 GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
 CALIPERS ORIENTED ON X-Y AXIS.
 2.71 G/CC USED TO CALCULATED POROSITY.
 ANNULAR HOLE VOLUME CALCULATED UISING 4.500" PRODUCTION CASING.

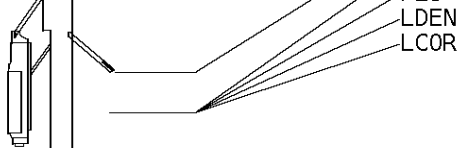
GRT: GRP.
 CNT: PHIN, CLCNIN
 LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN.
 PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:
 JOHN THOMAS
 M.BURKE
 R. BAKE

Tool String Schematic

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





7.20	19.90	23.59
7.20	19.90	23.59

22.00 ft.

Tool: PIT-CA **Length:** 21.49 ft. **O.D.** 3.62 in.
 Phased Dual Induction w/ RM & D
Sonde ID :PIT-AC-13

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

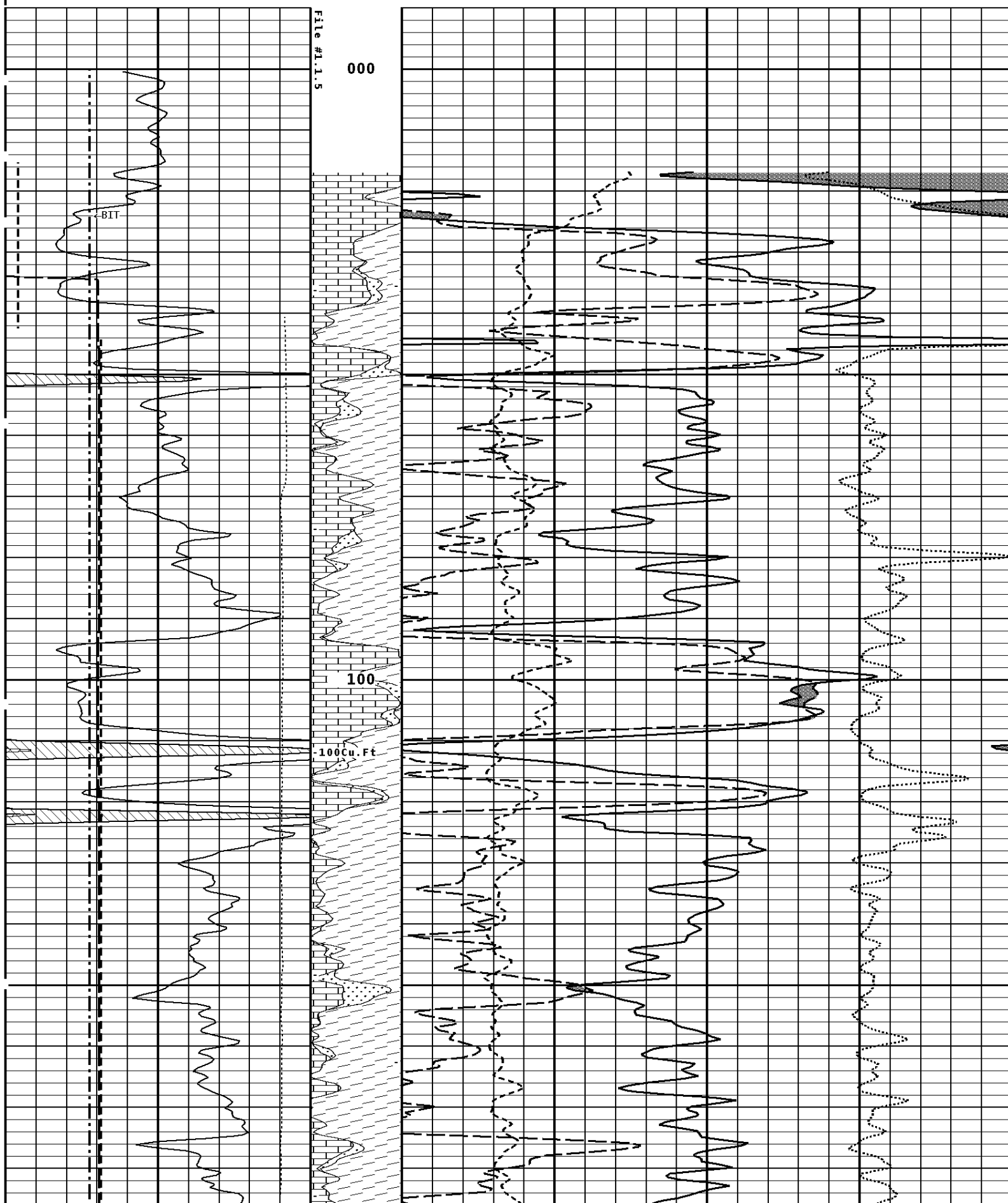
LWT 43.49 ft.

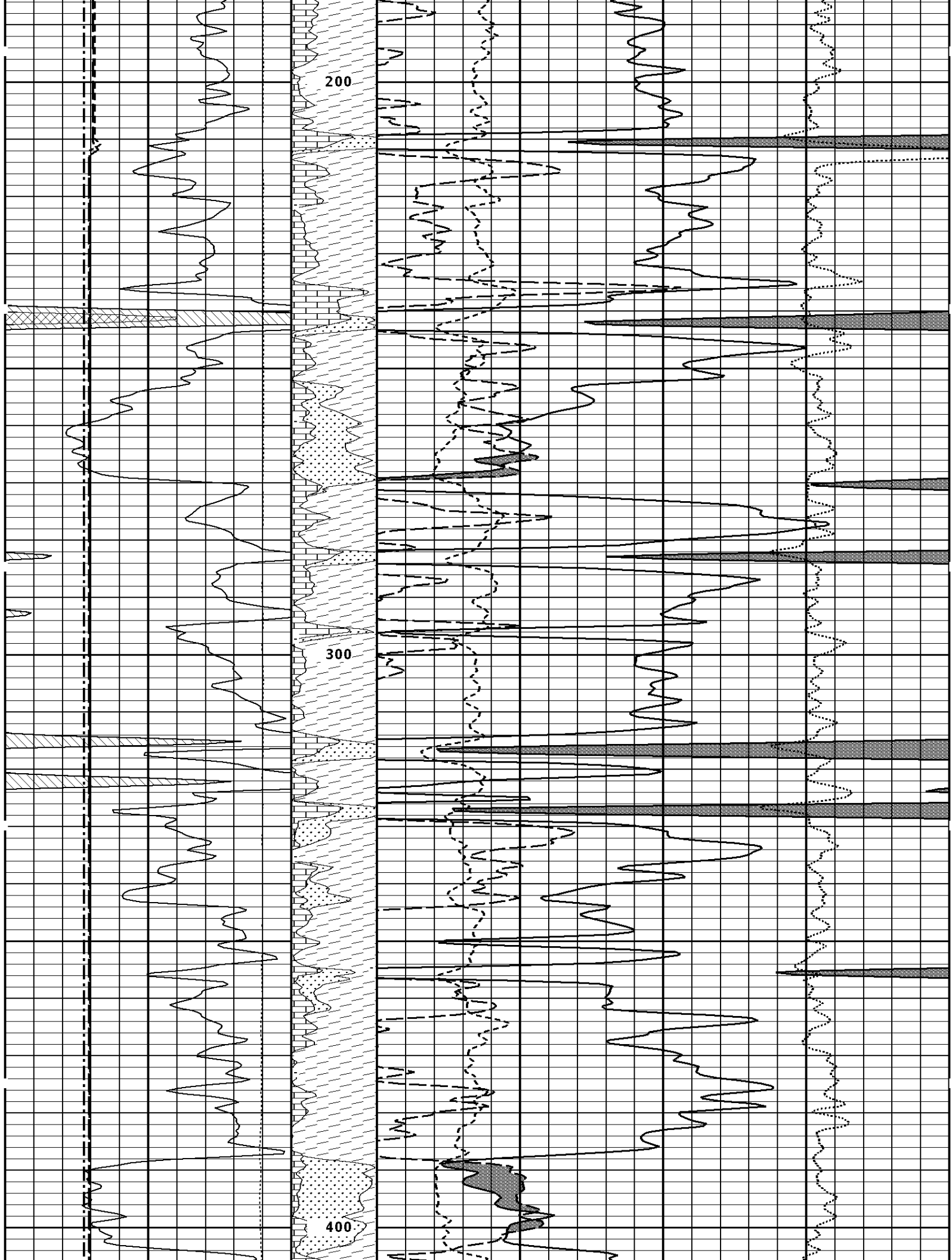
Well File: RFP_SNYDER 2-1A_JUNE6_STK
Segment: V1.D1.S5 Reprocess of MAIN
Reference: 0

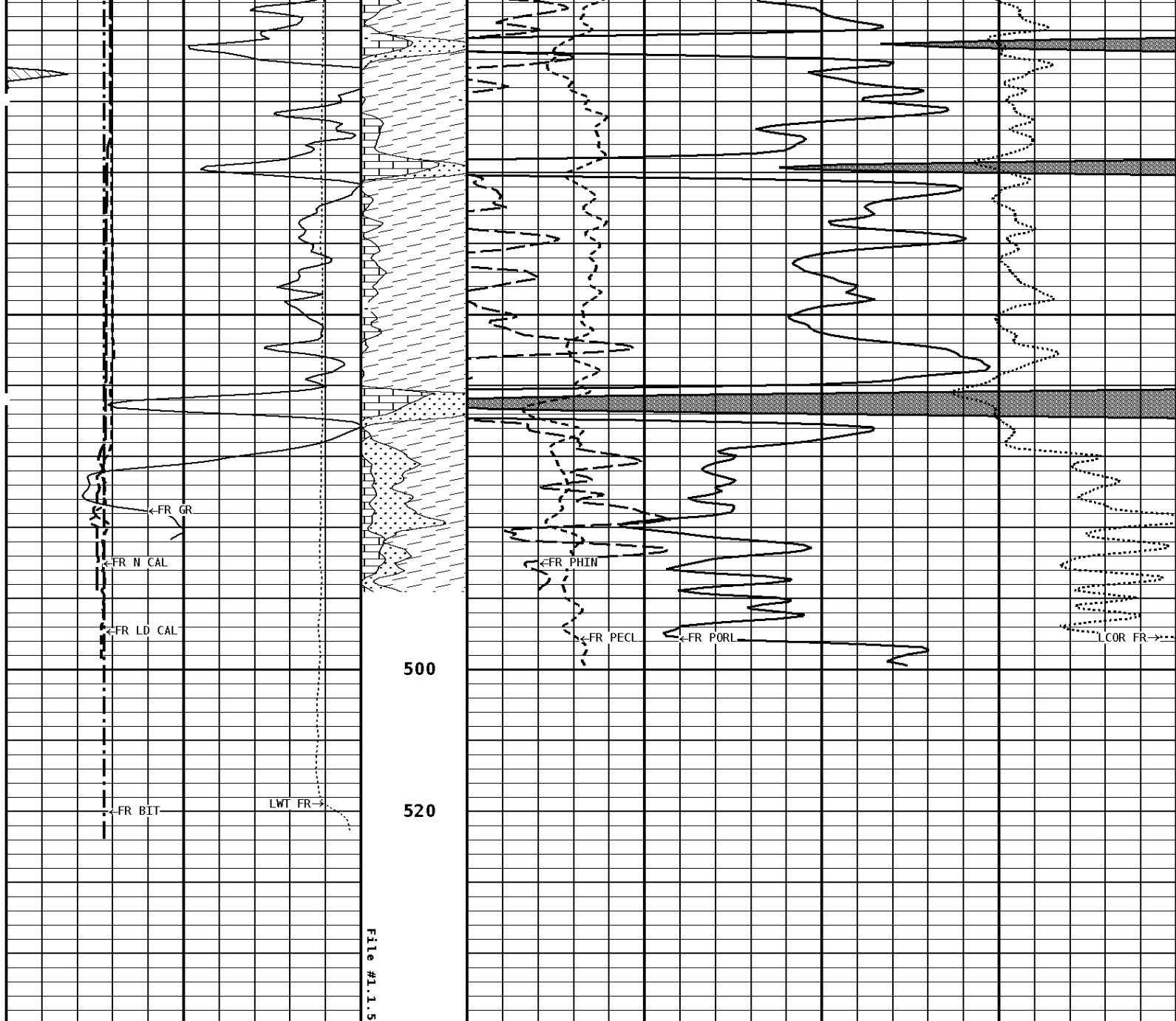
Scale: 1:240
Acquired: 2012-06/06 09:17 3.2.0-10990
Processed: 2012-06/06 09:32 3.2.0-10990

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

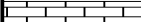
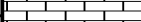
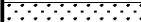
1:240 MAIN SECTION







1:240 MAIN SECTION

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
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

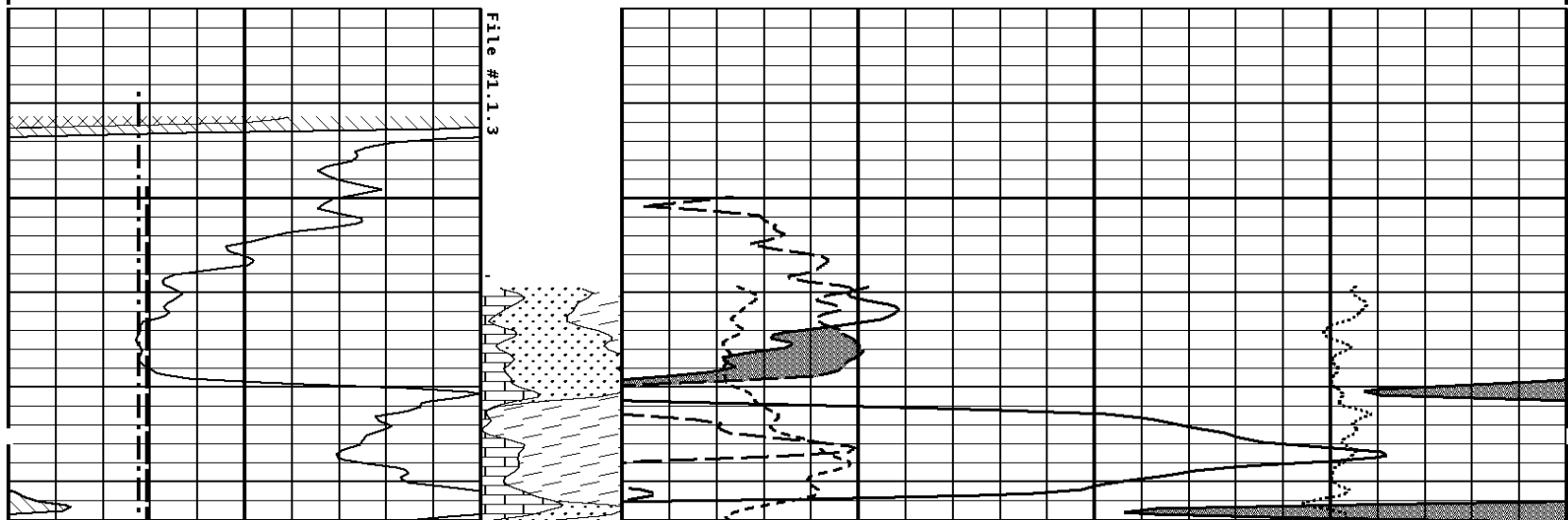
* Borehole Zone Factors *

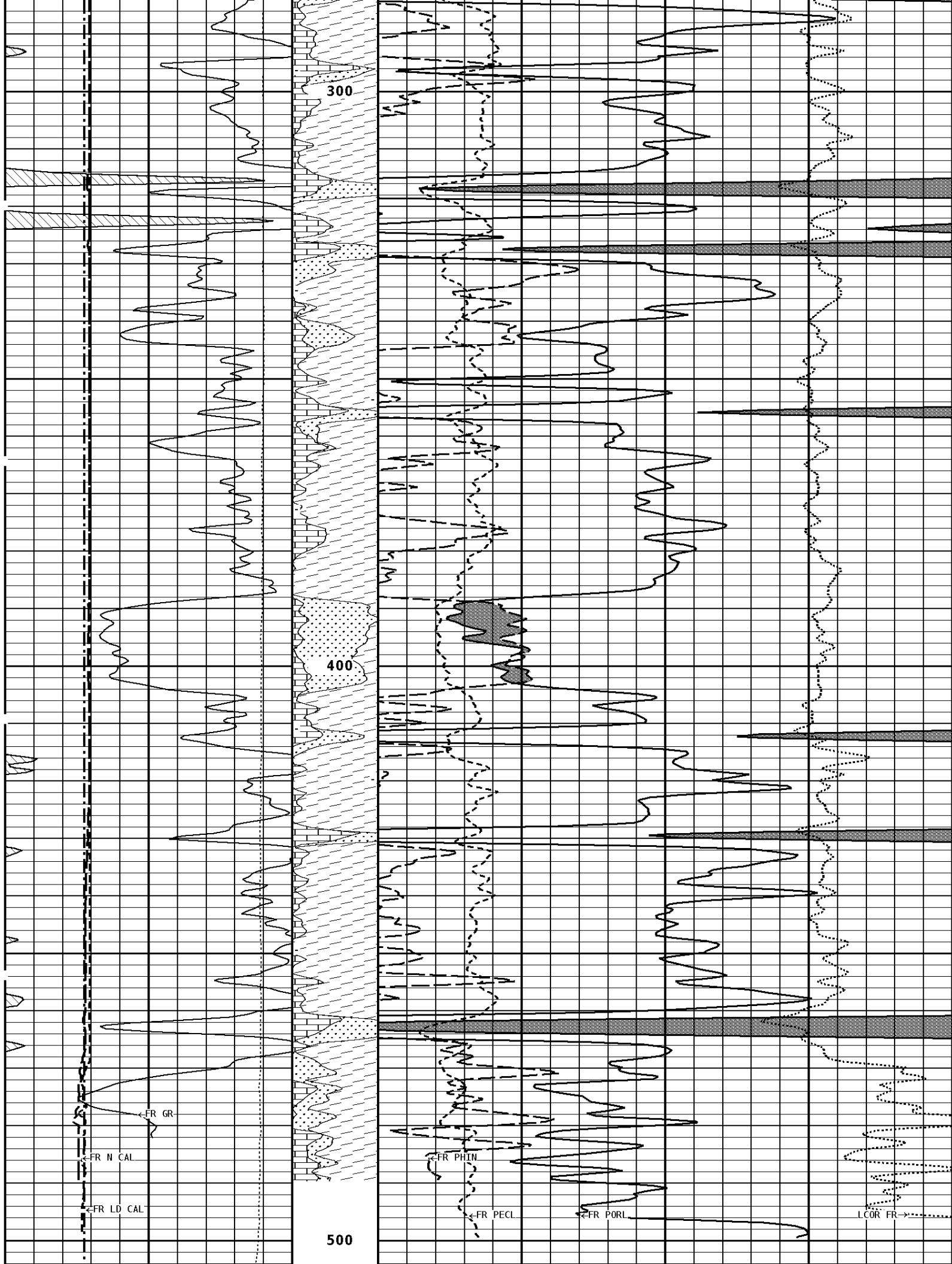
Zone 1 99999.0 to 0.0 Feet	
Matrix Density	2.71 g/cc
Fluid Density	1.00 g/cc
Formation Matrix	Limestone
Drill Bit Size	6.750 in
Casing Diameter	4.500 in
Casing Correction (PHI N)	Disable

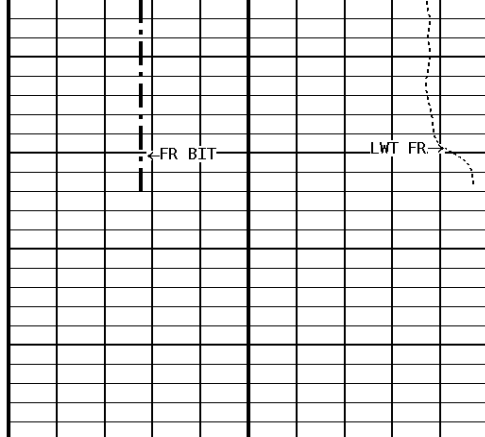
Well File: RFP_SNYDER 2-1A_JUNE6_STK	Scale: 1:240
Segment: V1.D1.S3 Reprocess of REPEAT	Acquired: 2012-06/06 09:06 3.2.0-10990
Reference: 0	Processed: 2012-06/06 09:14 3.2.0-10990

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

1:240 REPEAT SECTION







520

1:240 REPEAT SECTION

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

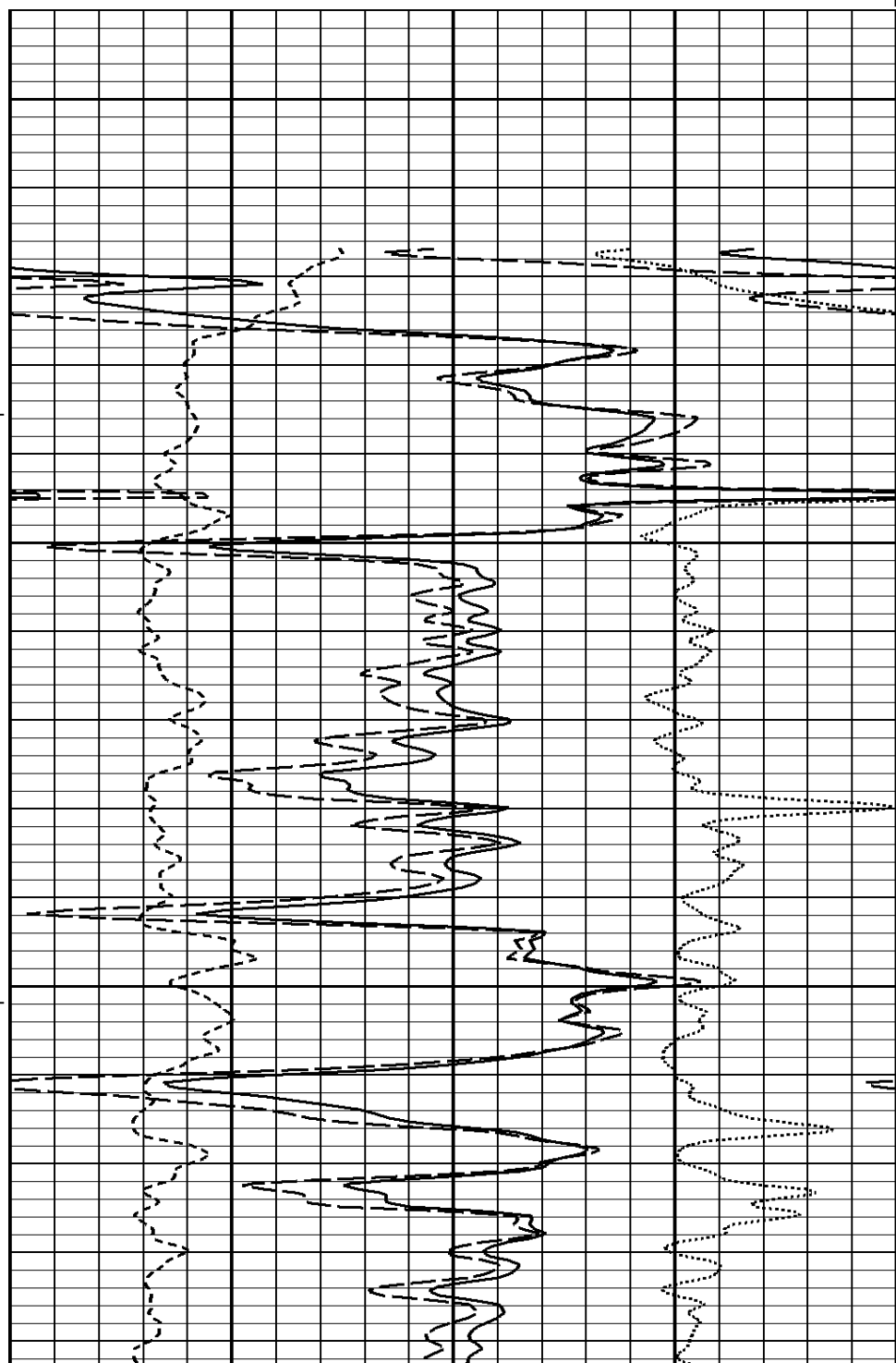
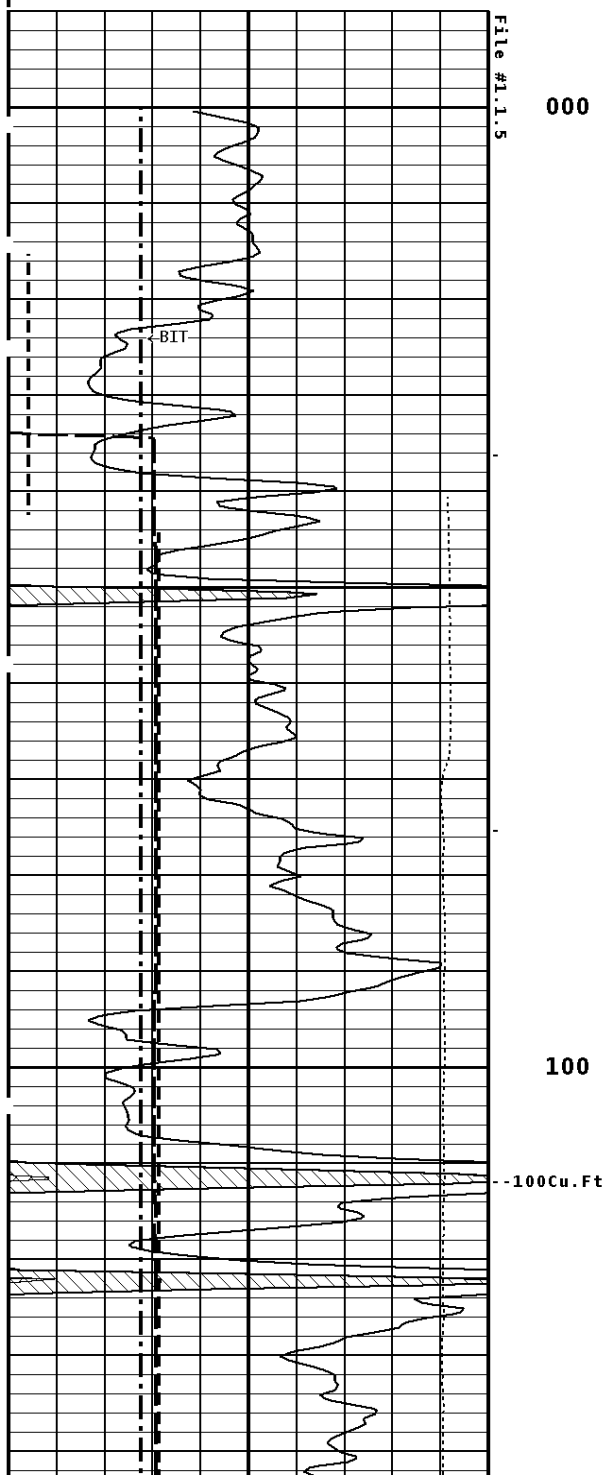
Well File: RFP_SNYDER 2-1A_JUNE6_STK	Scale: 1:240
Segment: V1.D1.S5 Reprocess of MAIN	Acquired: 2012-06/06 09:17 3.2.0-10990
Reference: 0	Processed: 2012-06/06 09:32 3.2.0-10990

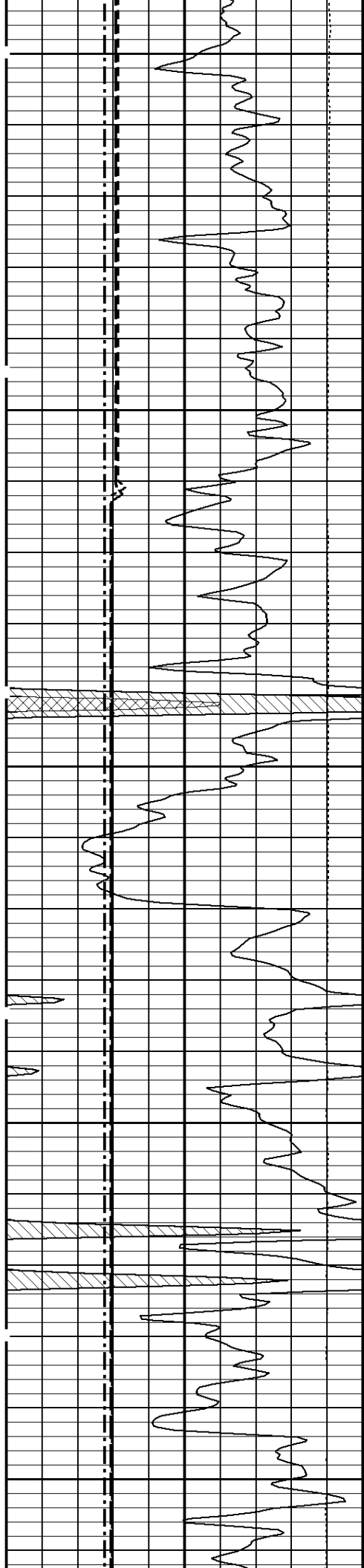
TENSION LBS
10000 0
BIT SIZE INCHES (IN)
4 14
DENSITY (X) CALIPER

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

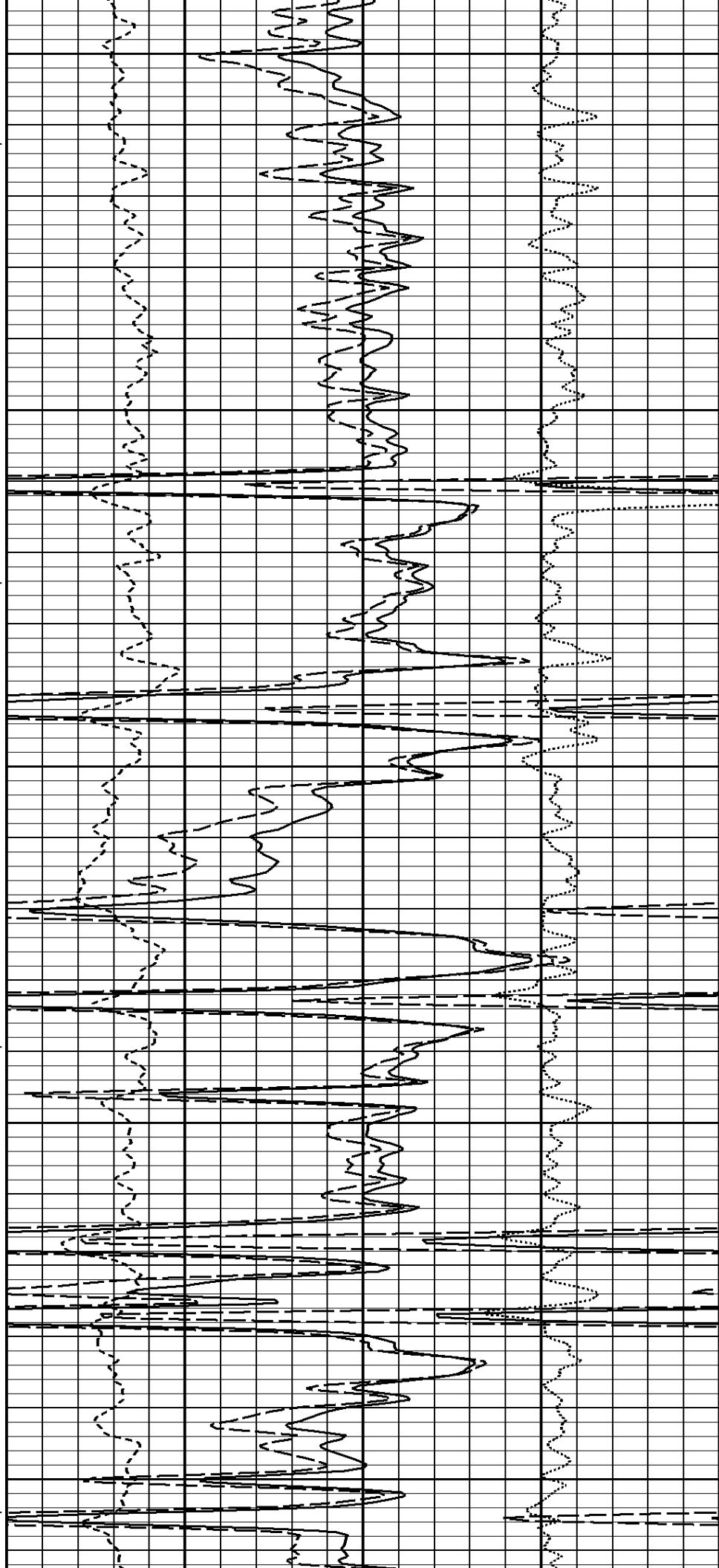
1:240 MAIN SECTION BULK DENSITY

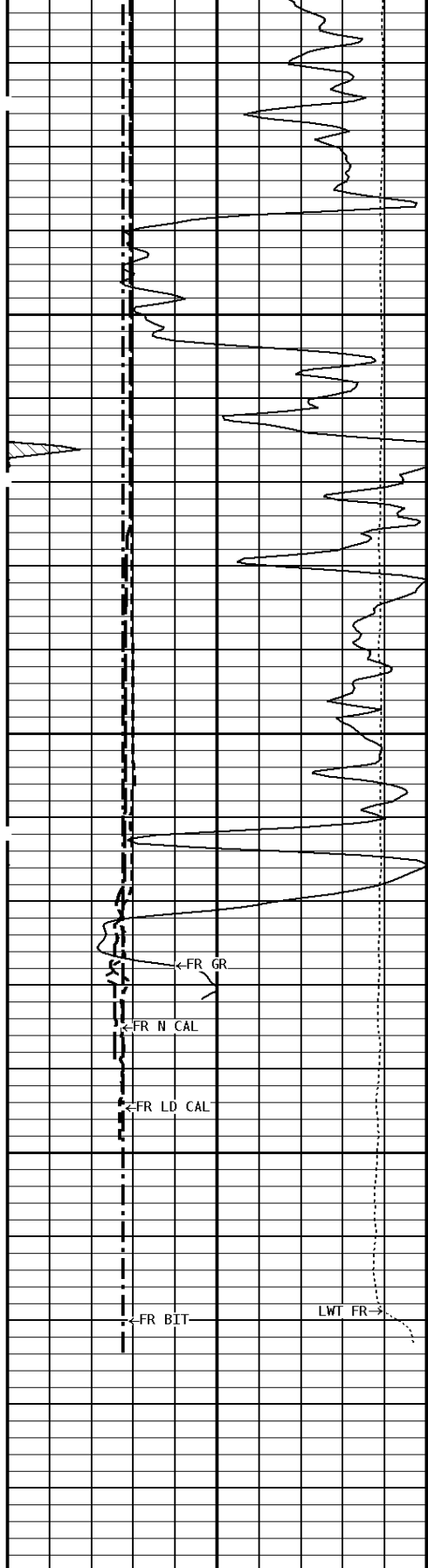




200

300



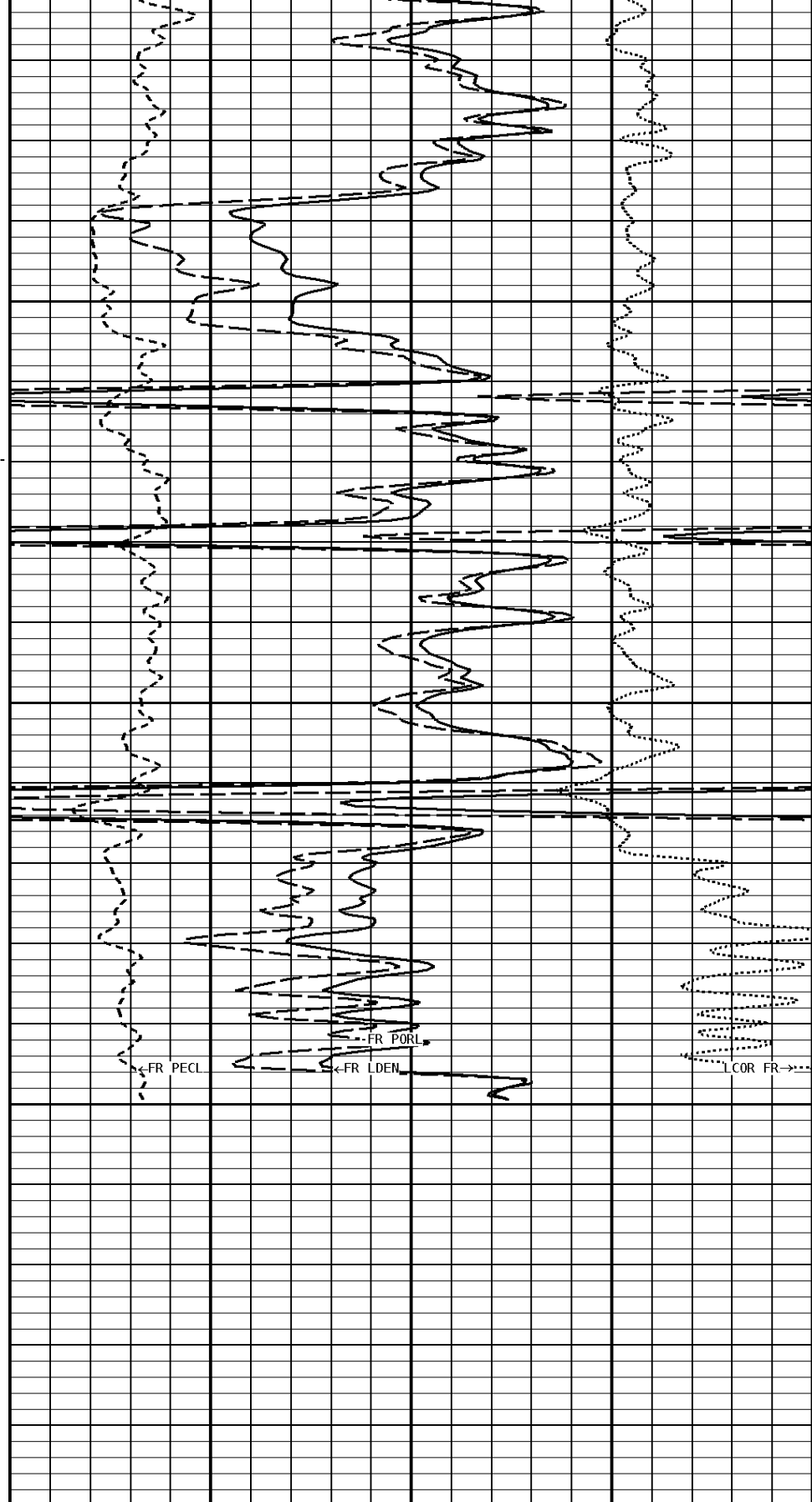


File #1.1.5

400

500

520



1:240 MAIN SECTION BULK DENSITY

0	200	2.0	3.0
		1.0	2.0
NEUTRON (Y) CALIPER INCHES (IN)		DENSITY POROSITY PERCENT (2.71 g/cc)	
14	24	70	30
4	14	30	-10
		-10	-50
DENSITY (X) CALIPER INCHES (IN)		PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
14	24	0	0.25
4	14	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		6.750	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	
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	8.3	14.3	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		Verification	Units	
	Measured	Calibrated	Jig		
N/F	3.8736	3.6893	3.6981		
Porosity	23.4	20.5	20.6	%	
Shop Calibration LDT-DA Performed : 25-MAR-2012 Time : 13:55 Sensor Suite : CALI-LTH ID : PDT-GA-469					
	Jig - Measured		Jig - Calibrated	Units	
	Ring#1	Ring#2	Ring#1	Ring#2	
CL # 1	6.5	12.5	6.0	12.0	IN.
Performed : 28-Mar-2012 Time : 09:53 Sensor Suite : BHCPELNG ID : LDP-DA-02 Source ID : CSV-587					
	Short Space				
	BKGD	Al	Mg	Al+Fe	Units
L SW1	68	456	733	308	CPS

LSW2	71	547	885	395	CPS
LSW3	275	1366	2152	1171	CPS
LSW4	355	1317	1849	1171	CPS
LSW5	34	43	45	43	CPS
LSW6	92	92	90	92	CPS
LSW7	58	59	58	60	CPS
LSW8	2	3	3	2	CPS
QS	0.226	0.219	0.217	0.209	
PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	105	617	2536	388	CPS
LLW2	118	1052	4340	761	CPS
LLW3	442	2013	7435	1745	CPS
LLW4	576	1176	3041	1083	CPS
LLW5	63	68	84	65	CPS
LLW6	188	182	175	182	CPS
LLW7	113	115	111	115	CPS
LLW8	4	5	10	5	CPS
QL	0.250	0.226	0.225	0.227	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC



Tucker
WIRELINE SERVICES

Company: RUNNING FOXES PETROLEUM INC.

Well: SNYDER #2-1A

Location: 330' FNL & 1650' FEL

Logged: 2012-06-06

K.B. Elev: 0.0