

Tucker

WIRELINER SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

Company RUNNING FOXES PETROLEUM, INC. Well VANBUSKIRK #9-1B Field CHEROKEE BASIN COAL AREA County BOURBON State KANSAS Country USA API No. 015-011-23913-00-00		File No : TUL-57092 Company : RUNNING FOXES PETROLEUM, INC. Well : VANBUSKIRK #9-1B Field : CHEROKEE BASIN COAL AREA County : BOURBON State : KANSAS Country : USA API No : 015-011-23913-00-00	
Location : 2310' FSL & 990' FEL NW NE SE		LSD : Sect : 1 Twp : 24S Rge : 23E	
Permanent Datum:	GL	Elevations:	
Drilling Measured From:	GL	KB 0.00	Services:
Log Measured From:	GL	DF 0.00	CNT
Above Permanent Datum:	0.00 Ft	GL 903.00	LDT
Date	2012-06-18		
Run Number	1		
Depth--Driller	0.0	Ft	
Depth--Logger	0.0	Ft	
First Reading	561.0	Ft	
Last Reading	22.0	Ft	
Casing--Driller	0.0	Ft	
Casing--Logger	0.0	Ft	
Bit Size	6.750	In	
Casing Size	8.625	In	
Hole Fluid Type	FRESH WATER		
Density	0.0	LBS/GAL	
Fluid Loss	0.0	CC	
PH/Viscosity	0.0	0.0 SEC	
Sample Source	MEASURED		
RM@Measured Temp.	5.500	@ 88 F	
RMF@Measured Temp	4.400	@ 88 F	
RM@Measured Temp.	6.600	@ 88 F	
Source RMF/RMC	CALCULATED/CALCULATED		
RM@BHT	5.260	@ 92 F	
Time Circulation Stopped	2012-06-16 17:00		
Max Recorded Temp.	92	F	
Equipment/Base	TRK 127	TULSA	
Recorded By	R. AUSTIN		
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	585.00	8.625	32.00	21.80

Run Number	1	
Date	2012-06-18	
Date/Time On Bottom	2012-06-18 08:55	
Depth to Fluid	0.0 Ft	
Salinity	0.000 PPM	
RMF@BHT	4.210 @ 92 F	
RMC@BHT	6.310 @ 92 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.

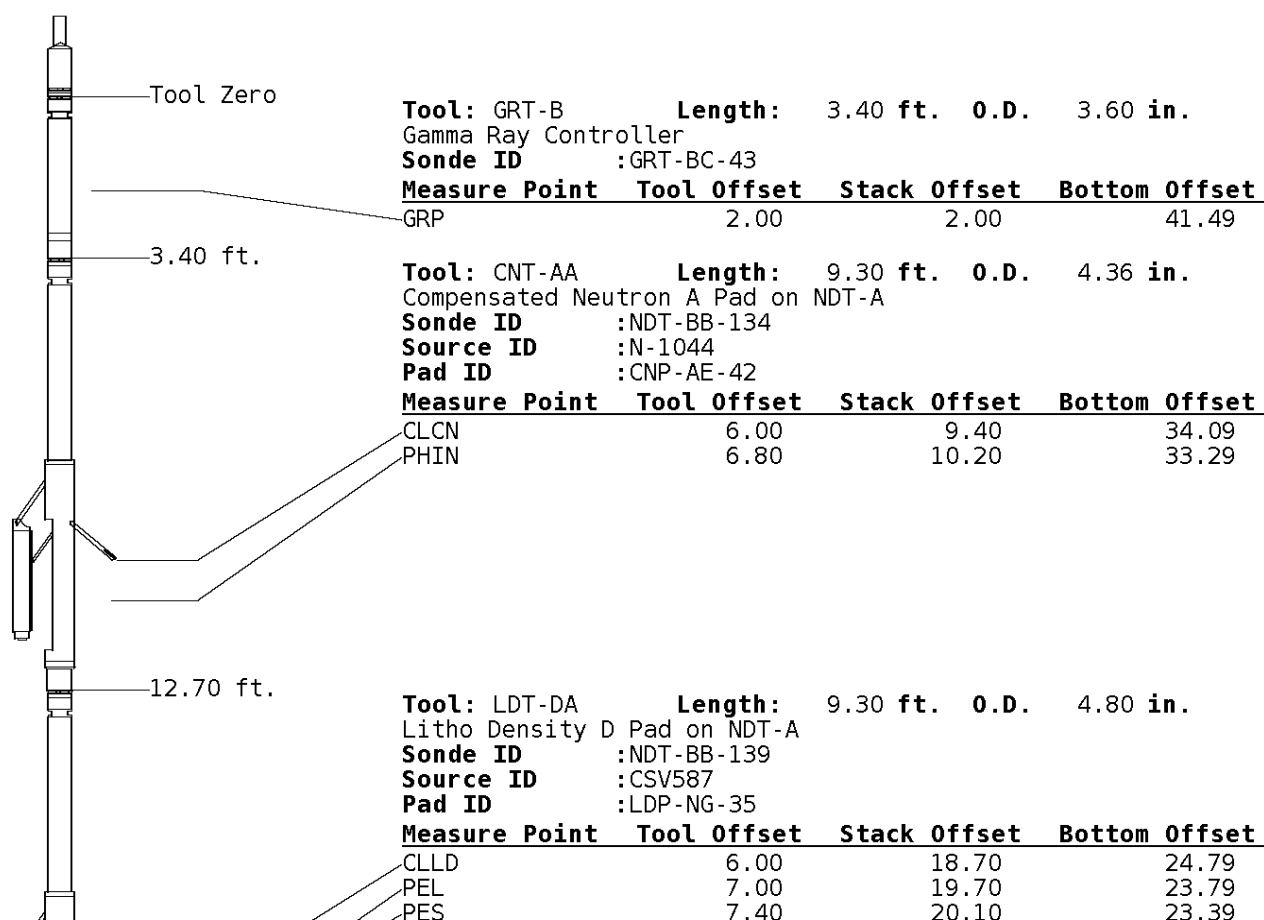
NO POROSITY/DENSITY REPEAT SECTION PRESENTED DUE TO CALIPER FAILURE
 CUSTOMER REQUEST NO SECOND RUN.

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

OPERATORS:
 J. THOMAS
 M. RUBY

Tool String Schematic

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





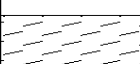
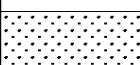
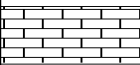
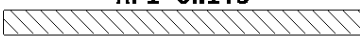
7.20	19.90	23.59
7.20	19.90	23.59

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

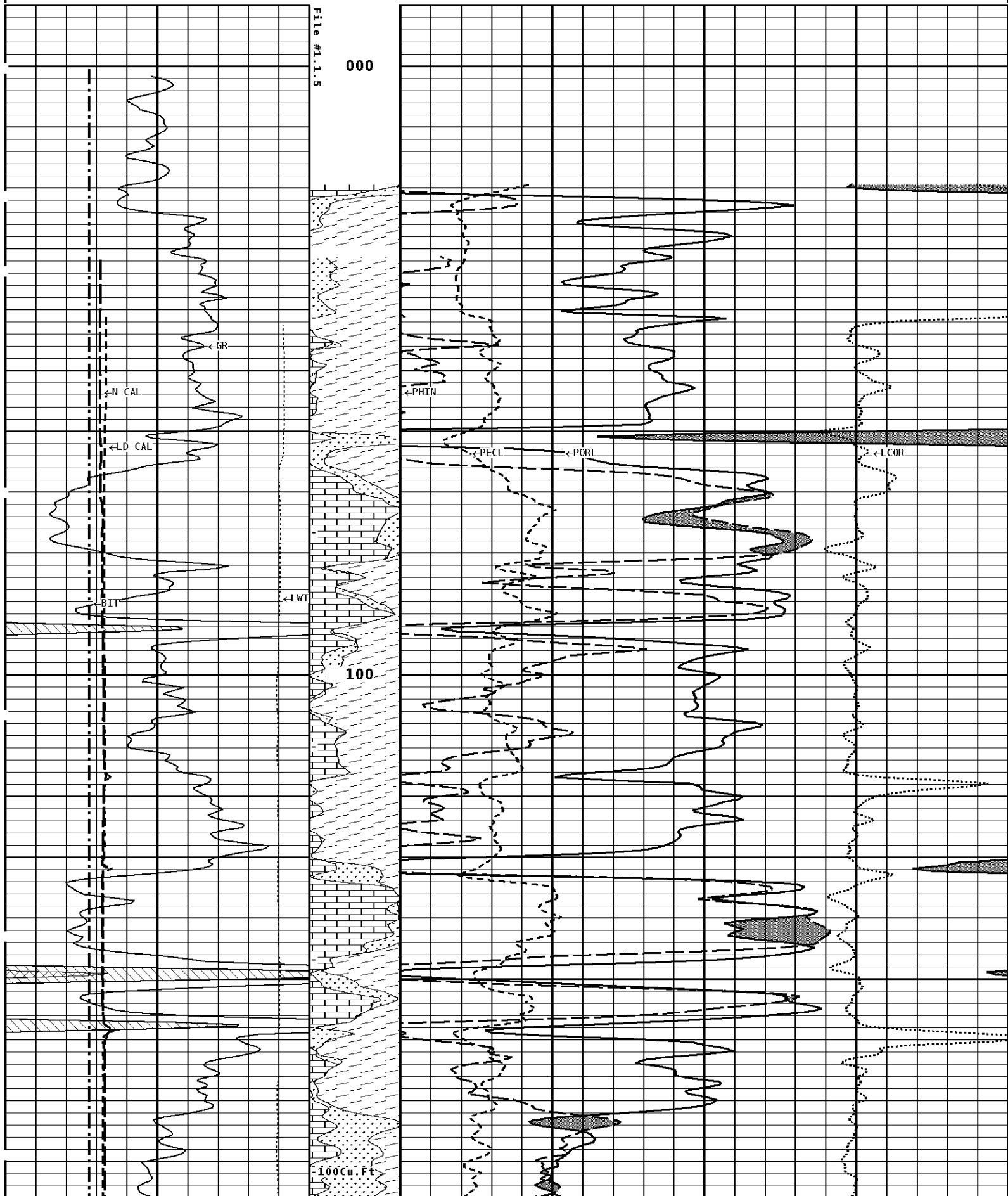
Measure Point	Tool Offset	Stack Offset	Bottom Offset
ILD	8.92	30.92	12.56
ILM	10.10	32.10	11.39
SFLU	17.49	39.49	4.00
SP	20.60	42.60	0.88

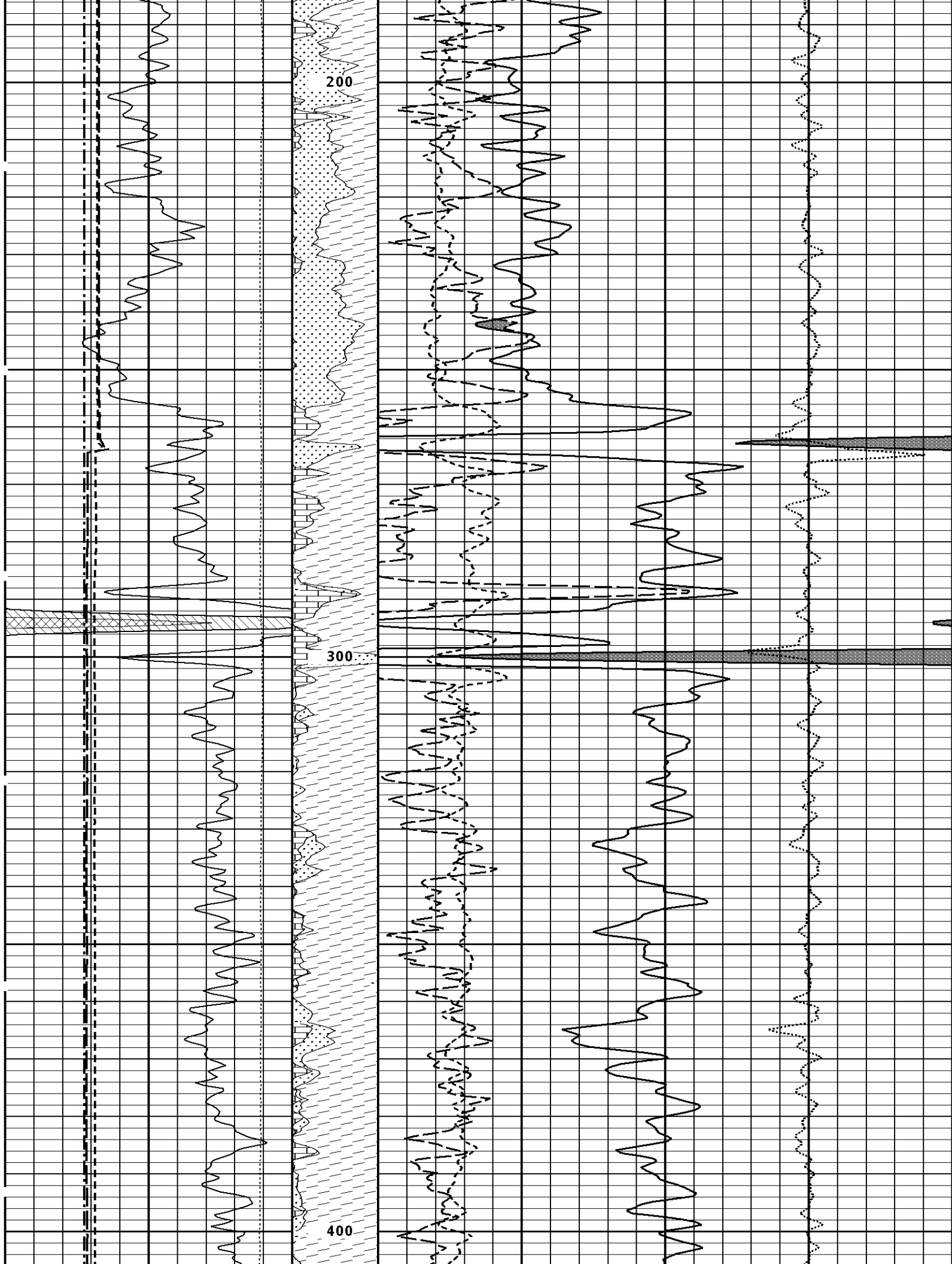
LWT ————— 43.49 ft.

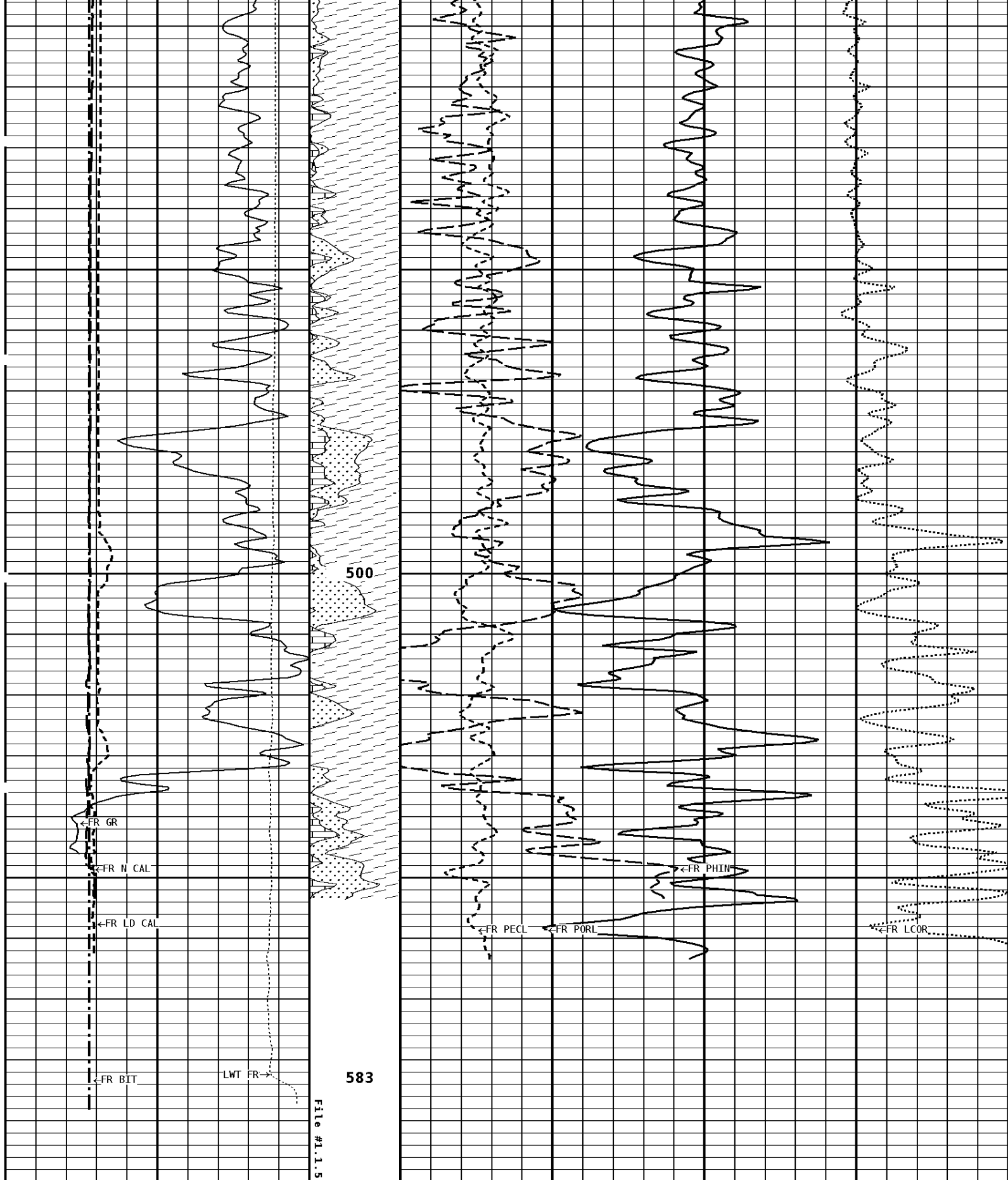
Well File: RFP VANBUSKIRK-9-1B JUN18 STK	Scale: 1:240
Segment: V1.D1.S5 Reprocess of MAIN PASS	Acquired: 2012-06/18 09:10 3.2.0-10990
Reference: 0	Processed: 2012-06/18 09:29 3.2.0-10990

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

1:240 MAIN SECTION







1:240 MAIN SECTION

[illegible]

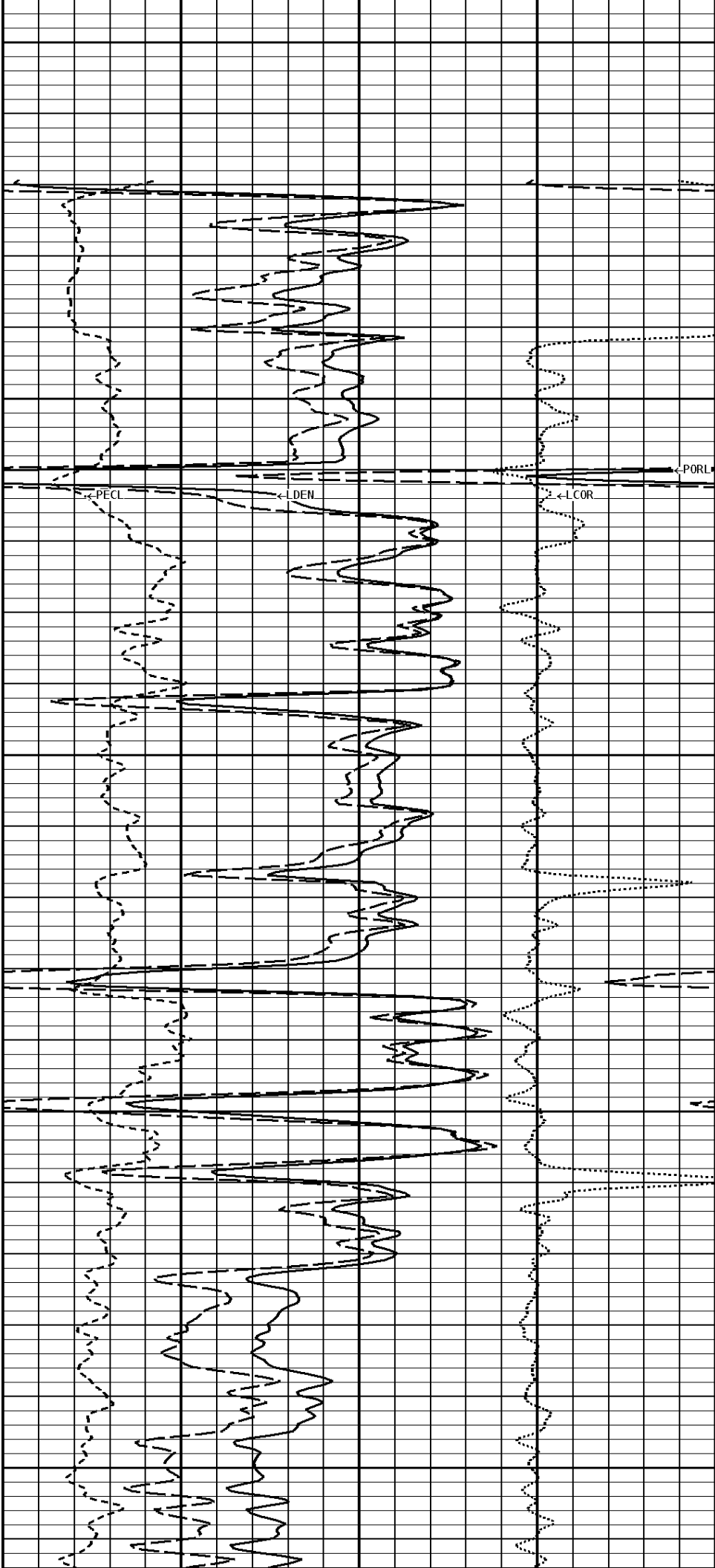
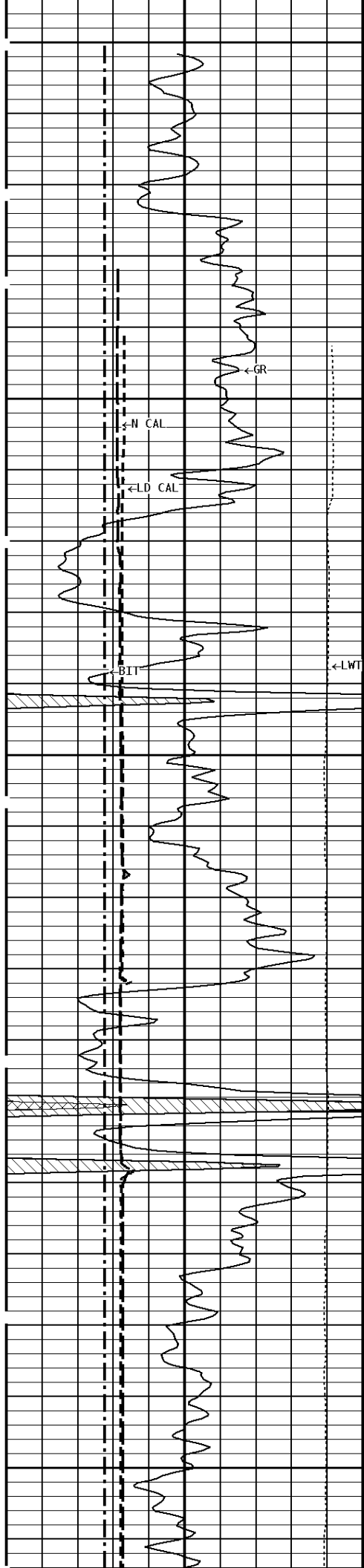
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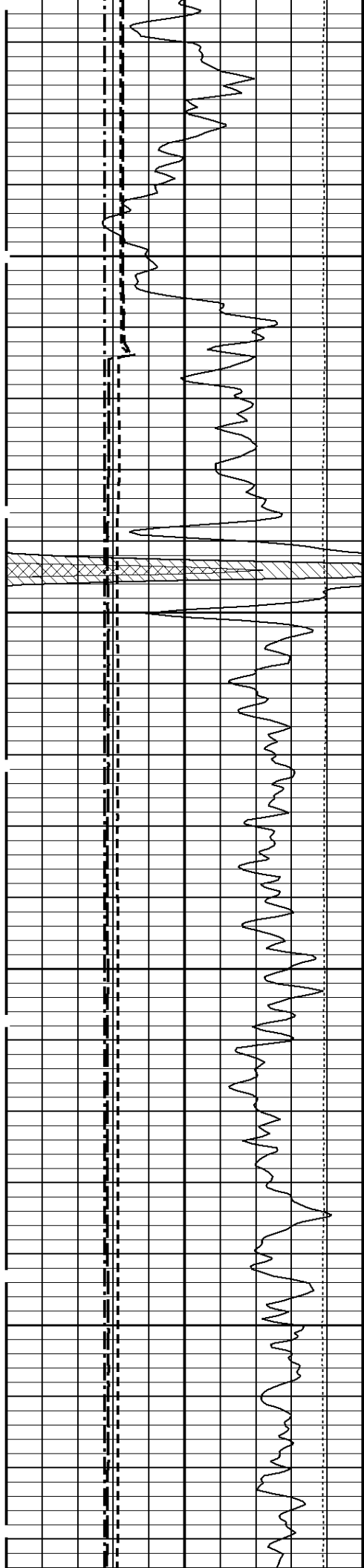
000

100

200

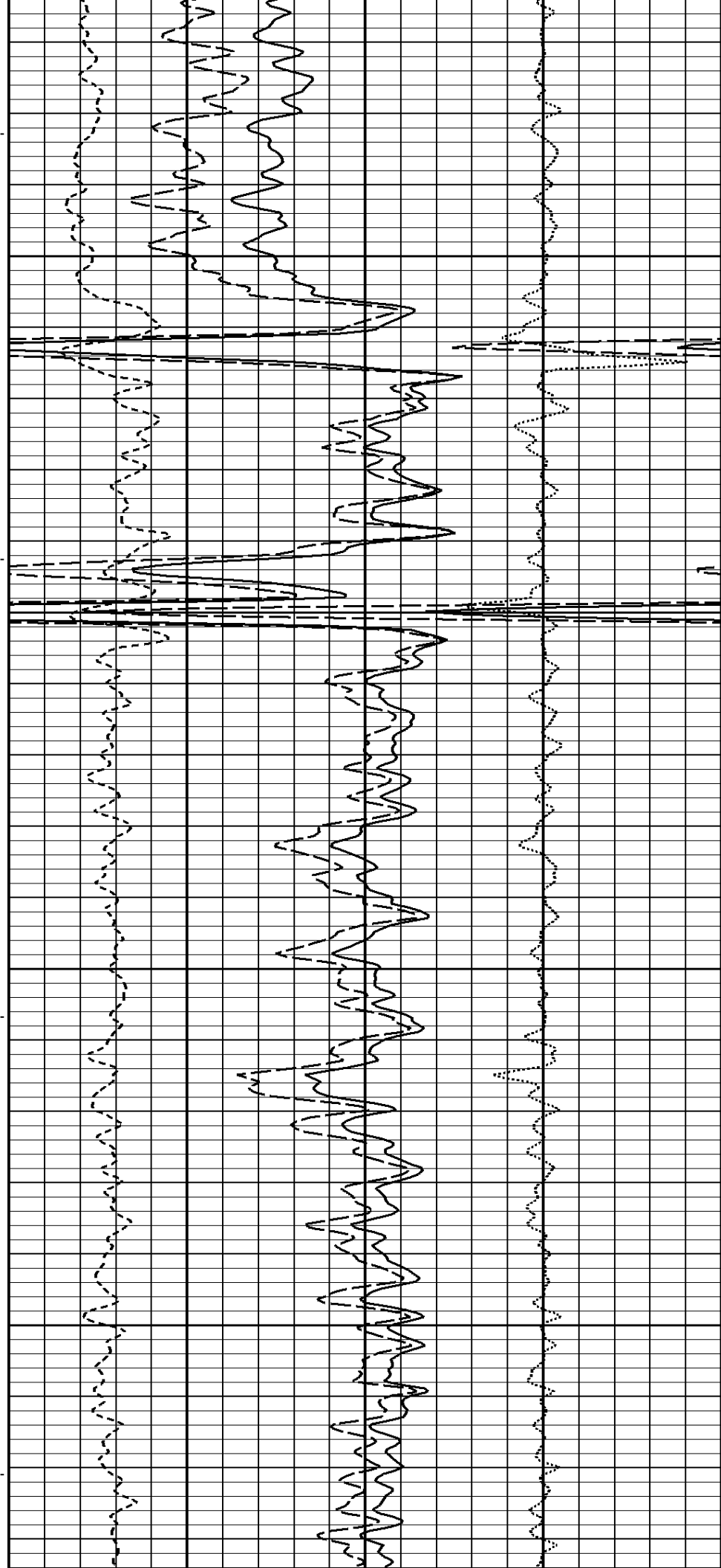
--100Cu.Ft

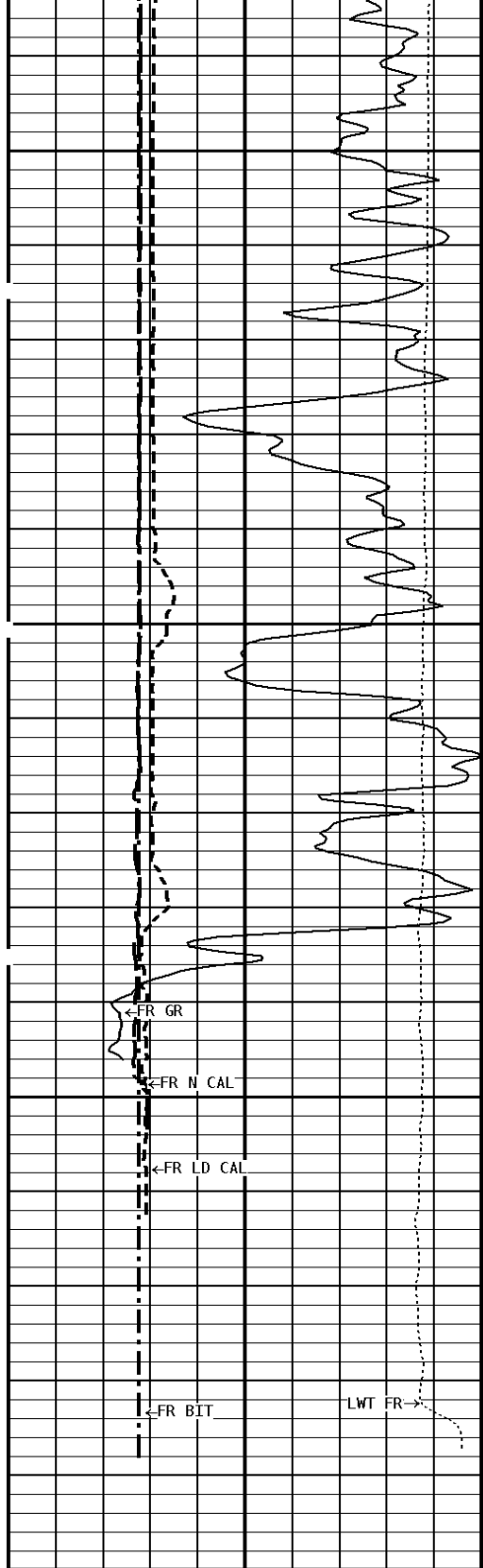




300

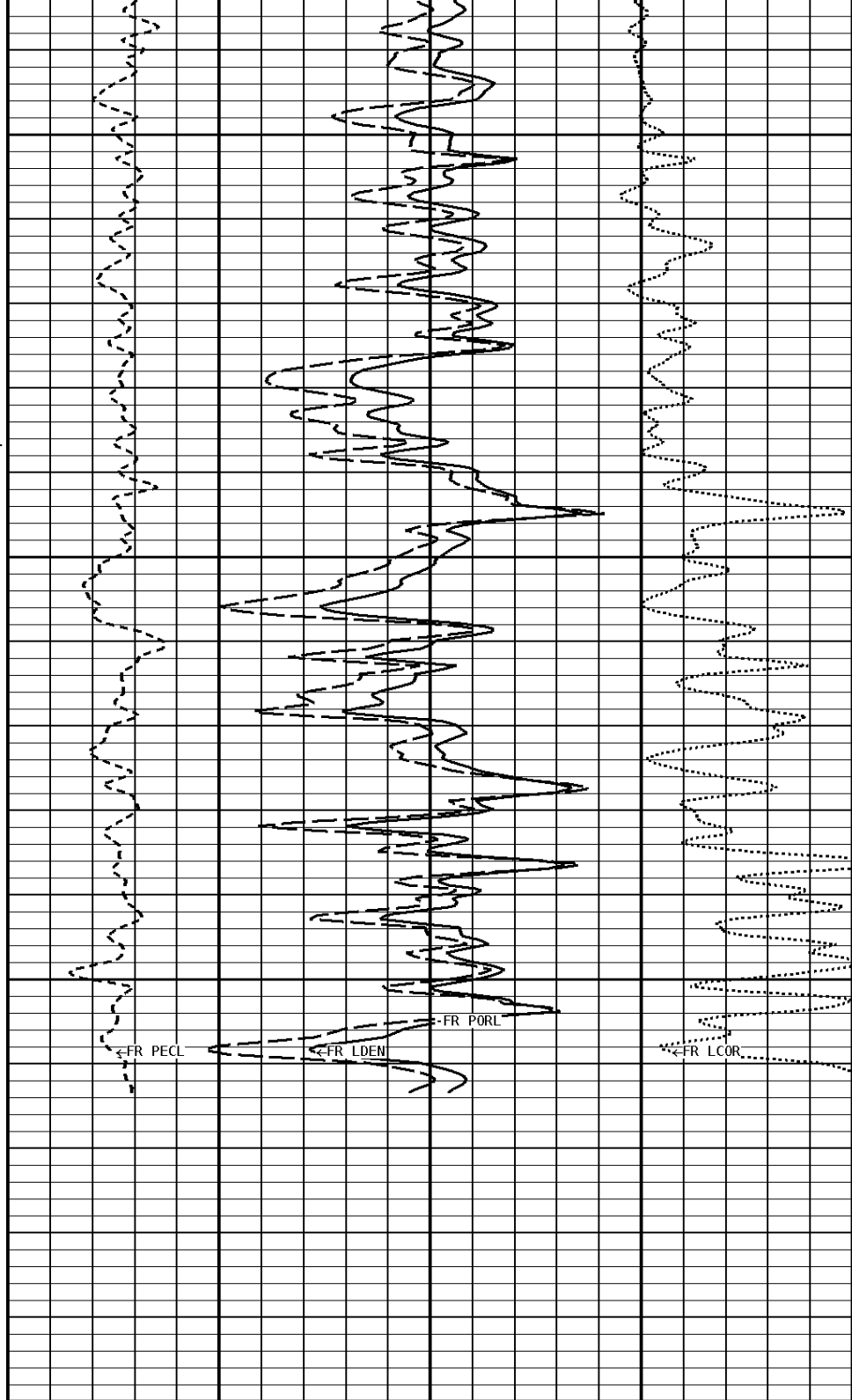
400





500

583



1:240 MAIN SECTION BULK DENSITY

GAMMA RAY API UNITS	- BHV AHV - CU. FT	COMPENSATED BULK DENSITY G/CC	
		3.0	4.0
		2.0	3.0
NEUTRON (Y) CALIPER INCHES (IN)		1.0	2.0
		70	30
		30	-10
		DENSITY POROSITY PERCENT (2.71 g/cc)	
		-10	-50

DENSITY (X) CALIPER INCHES (IN)	
14	24
4	14

BIT SIZE INCHES (IN)	
4	14

TENSION LBS	
10000	0

PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
0	10 -0.25

	0.25

*** 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 : 12:22		
Sensor Suite : GR-GR5			ID : GRT-BC-43		
	Measured	Units	Calibrated	Units	
GR	Background	Jig	Jig		
	45	315	175	GRAPI	
Shop Calibration CNT-AA					
Performed : 17-JUN-2012			Time : 10:19		
Sensor Suite : CALI-BCN			ID : NDT-BB-134		
	Jig - Measured		Jig - Calibrated	Units	
	Ring#1 Ring#2		Ring#1 Ring#2		
CL # 1	11.1 17.1		6.0 12.0	IN.	
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	6.8 12.8		6.0 12.0	IN.	
Shop Calibration LDP-NG					
Performed : 22-May-2012			Time : 12:16		
Sensor Suite : BHCPELNG			ID : LDP-NG-35		
Source ID : CSV587					
	Short Space				
	BKGD	Al	Mg	Al+Fe	Units
LSW1	70	492	769	329	CPS
LSW2	74	585	937	418	CPS
LSW3	281	1400	2219	1195	CPS
LSW4	348	1291	1818	1142	CPS
LSW5	35	47	48	46	CPS
LSW6	85	87	86	86	CPS
LSW7	59	60	59	59	CPS
LSW8	3	3	4	3	CPS
QS	0.182	0.187	0.190	0.187	

PES			2.778	5.967	
SSDN		2.600	1.680		G/CC
Long Space					
	BKGD	Al	Mg	Al+Fe	Units
LLW1	106	555	2090	359	CPS
LLW2	116	1015	4175	727	CPS
LLW3	453	2010	7518	1740	CPS
LLW4	581	1168	3035	1085	CPS
LLW5	65	70	85	68	CPS
LLW6	185	186	179	184	CPS
LLW7	120	117	113	117	CPS
LLW8	4	5	10	5	CPS
QL	0.213	0.225	0.224	0.222	
PEL			2.697	5.458	
LSDN		2.600	1.680		G/CC



Tucker
WIRELINE SERVICES

Company: RUNNING FOXES PETROLEUM, INC.

Well: VANBUSKIRK #9-1B

Location: 2310' FSL & 990' FEL

Logged: 2012-06-18

K.B. Elev: 0.0