Tucker WIRELINE SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

Company RUNNING FOXES PETROLEUM, IN
Well POST #11-30
Field LOST CREEK
County BOURBON
State KANSAS
Country USA
API No. 15-011-23858-00-00

File No : TUL-57098
Company : RUNNING FOXES PETROLEUM, INC
Well : POST #11-30
Field : LOST CREEK
County : BOURBON
State : KANSAS
Country : USA
API No : 15-011-23858-00-00

Location :
1980' FSWL & 1980' FWL
NE SW

LSD : **Sect :** 30 **Twp :** 23S **Rge :** 24E

Permanent Datum:	GL	**Elevations:**			**Services:**
Drilling Measured From:	GL	**KB**	0.00	Ft	CNT
Log Measured From:	GL	**DF**	0.00	Ft	LDT
Above Permanent Datum:	0.00 Ft	**GL**	831.00	Ft	PIT

Date	2012-06-22			
Run Number	1			
Depth--Driller	501.0 Ft			
Depth--Logger	501.0 Ft			
First Reading	478.0 Ft			
Last Reading	20.0 Ft			
Casing--Driller	20.0 Ft			
Casing--Logger	20.0 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.	1.800 @ 78 F			
RMF@Measured Temp	1.440 @ 78 F			
RMC@Measured Temp.	2.160 @ 78 F			
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	1.630 @ 86 F			
Time Circulation Stopped	2012-06-21 17:00			
Max Recorded Temp.	86 F			
Equipment/Base	TRK 127	TULSA		
Recorded By	R. AUSTIN			
Witnessed By	K. HODGES			

Bitsize Intervals

Size (In)	Bottom (Ft)
6.750	501.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	32.00	20.00

Run Number	1		
Date	2012-06-22		
Date/Time On Bottom	2012-06-22 09:50		
Depth to Fluid	0.0	Ft	
Salinity	0.000	PPM	
RMF@BHT	1.310 @ 86	F	
RMC@BHT	1.960 @ 86	F	

Run Number 1

Comments

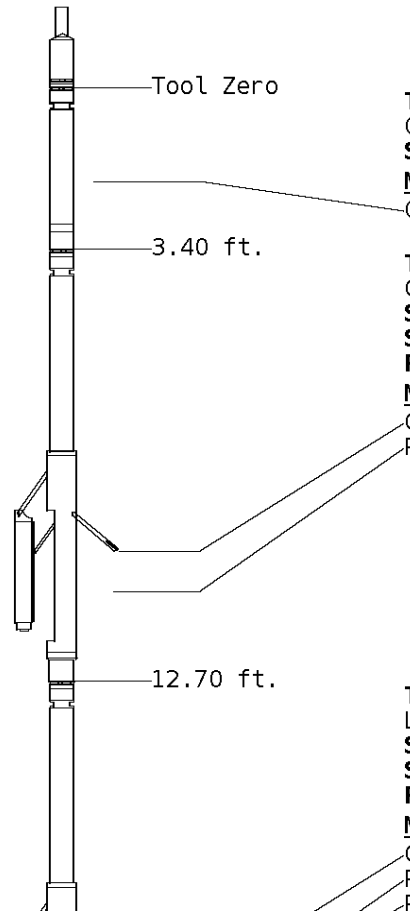
ALL PRESENTATIONS AS PER CUSTOMER REQUEST
GRT, CNT, LDT, AND PIT RUN IN COMBINATION.
CALIPERS ORIENTED ON X-Y AXIS.
2.71 G/CC USED TO CALCULATED POROSITY.
ANNULAR HOLE VOLUME CALCULATED UISING 4.500" PRODUCTION CASING.

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

OPERATORS:
J. TORBERT
M. RUBY
D. HOPPER

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 **Length:** 3.40 **ft.** **O.D.** 3.60 **in.**
Gamma Ray Controller
Sonde ID :GRT-BC-43

Measure Point	Tool Offset	Stack Offset	Bottom Offset
GRP	2.00	2.00	41.49

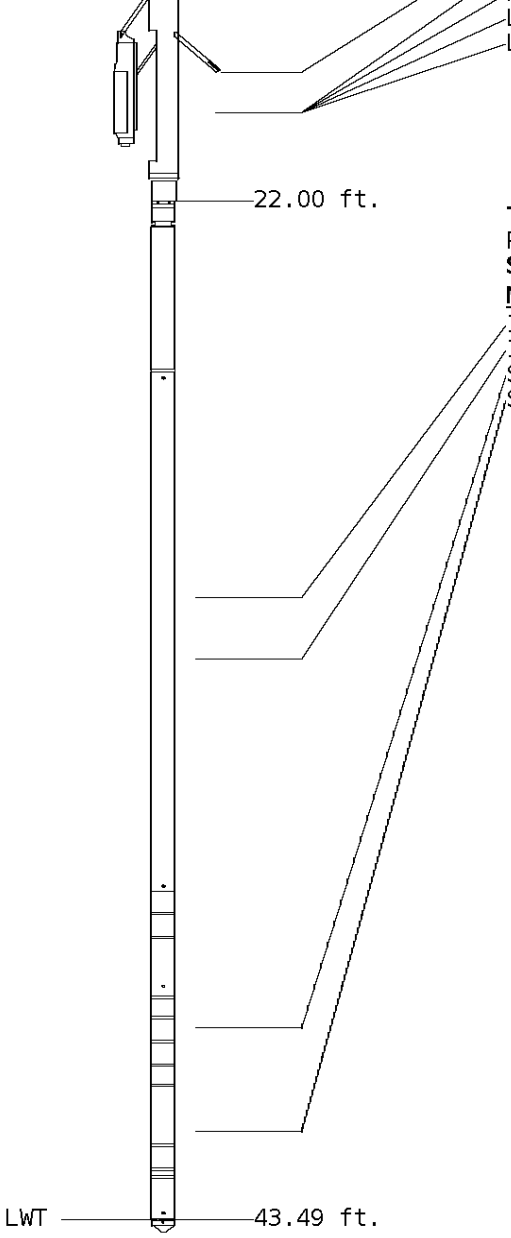
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-BB-134
Source ID :N-1044
Pad ID :CNP-AE-42

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 **Length:** 9.30 **ft.** **O.D.** 4.80 **in.**
Litho Density D Pad on NDT-A
Sonde ID :NDT-CA-137
Source ID :CSV587
Pad ID :LDP-NG-35

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-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

Well File: RFP_POST-11-30_JUN22_STK **Scale:** 1:240
Segment: V1.D1.S5 Reprocess of MAIN **Acquired:** 2012-06/22 10:05 3.2.0-10990
Reference: 0 **Processed:** 2012-06/22 10:19 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

DENSITY CORRECTION
G/CC
-0.25 — 0.25

NEUTRON (Y) CALIPER
INCHES (IN)
14 — 24
4 — 14

Volume
Calcite

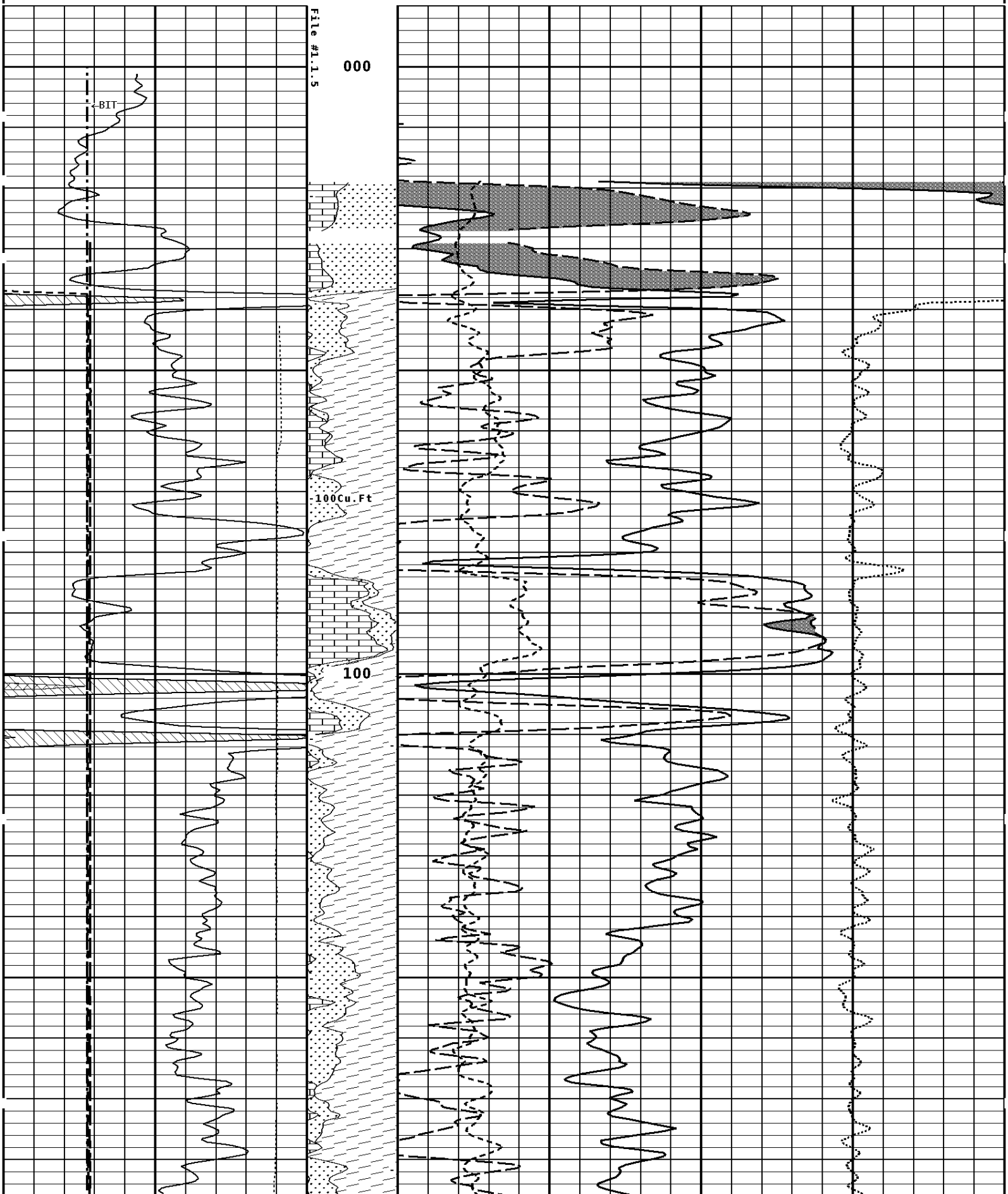
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 — -10

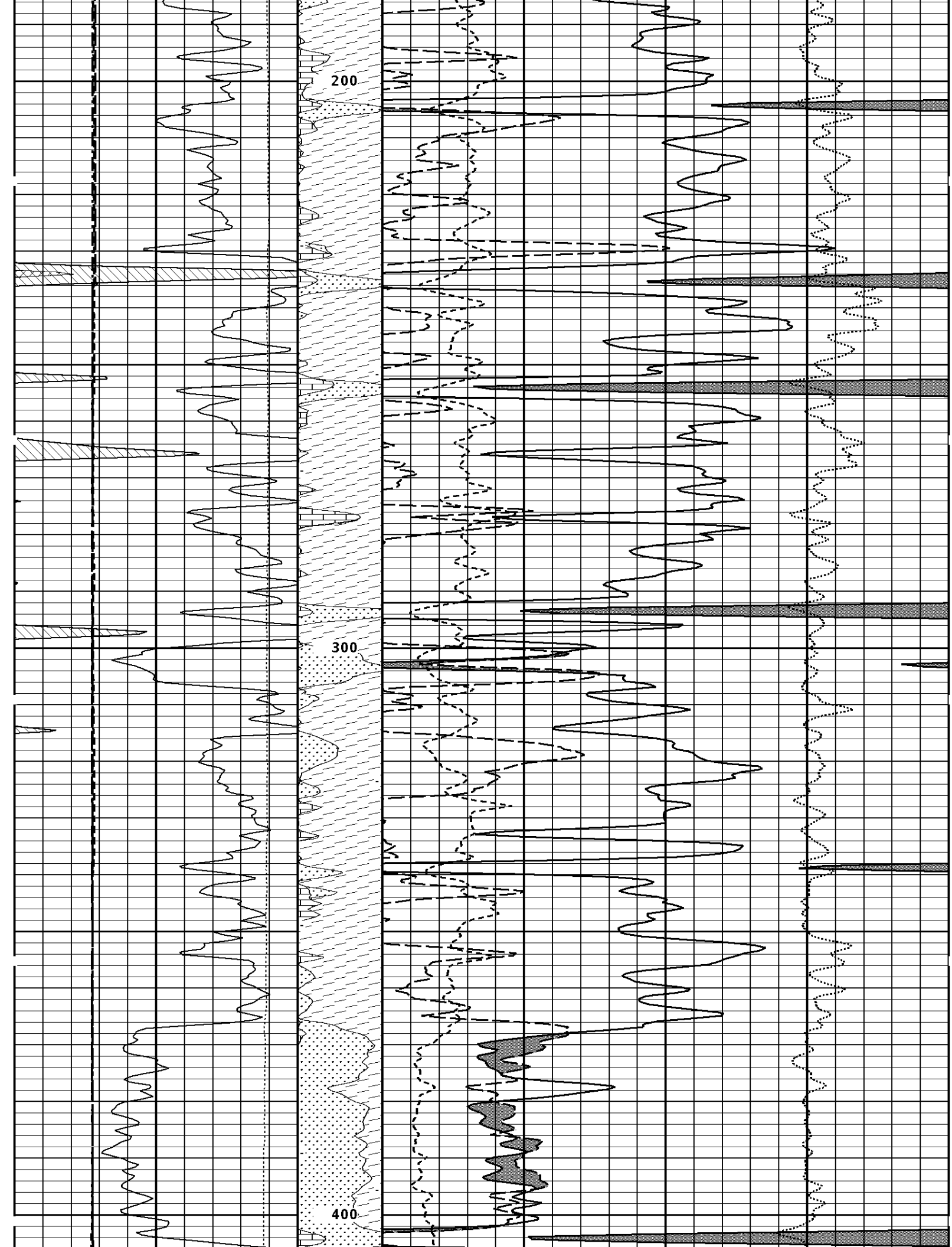
GAMMA RAY
API UNITS
200 — 400
0 — 200

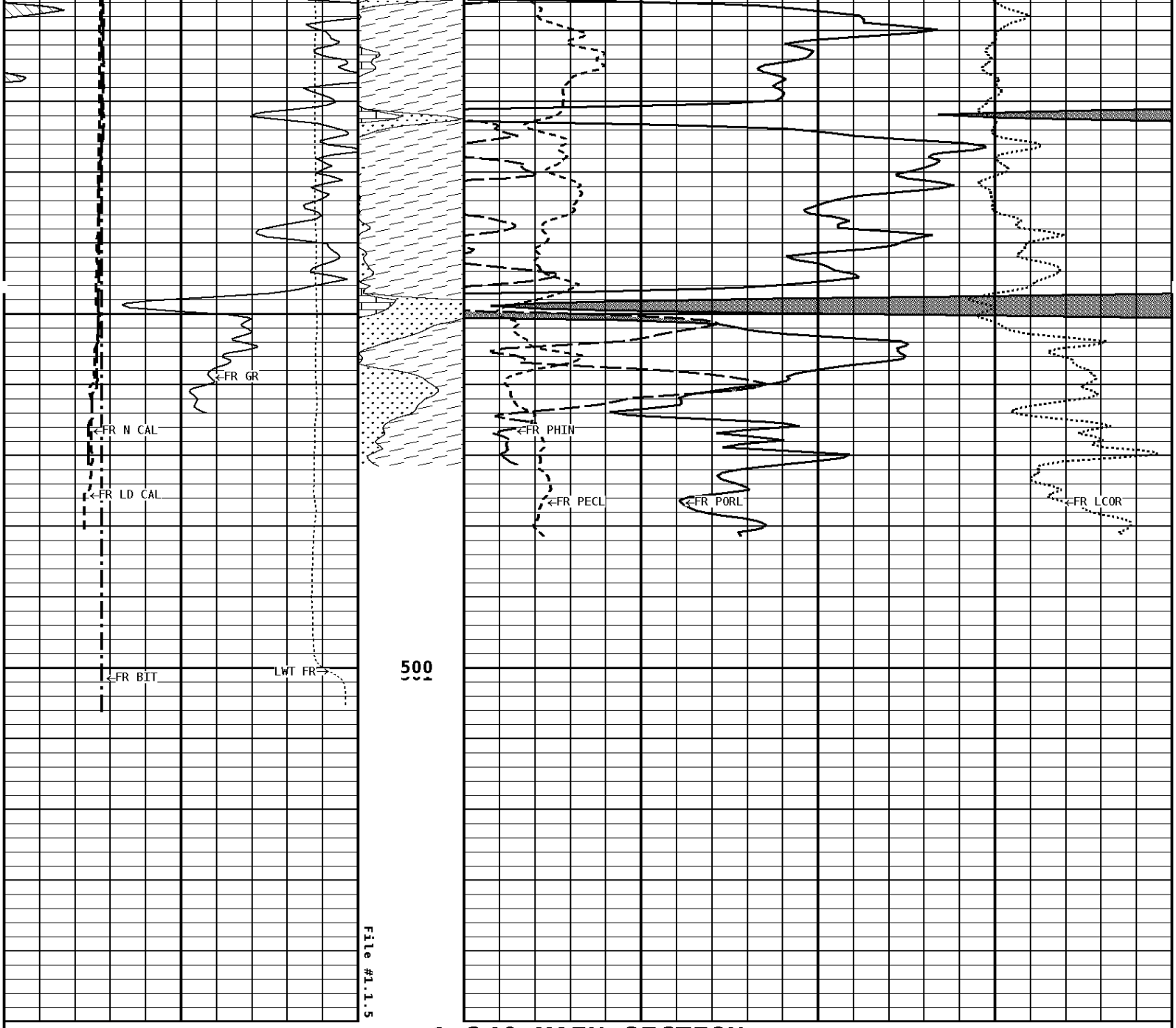
-BHV AHV-
CU.FT

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

1:240 MAIN SECTION




200
300
400



1:240 MAIN SECTION

GAMMA RAY **API UNITS** 200 — 400 0 — 200	-BHV AHV- CU.FT	**DENSITY POROSITY** **PERCENT (2.71 g/cc)** 70 — 30 30 — -10 -10 — -50
NEUTRON (Y) CALIPER **INCHES (IN)** 14 — 24 4 — 14	Volume Calcite	**NEUTRON POROSITY** **PERCENT (LIMESTONE MATRIX)** 30 — -10
DENSITY (X) CALIPER **INCHES (IN)** 14 — 24 4 — 14	Volume Quartz	**PE CROSS-SECTION** **BARNS/ELECTRON** 0 — 10
DENSITY CORRECTION **G/CC** -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_POST-11-30_JUN22_STK **Scale:** 1:240
Segment: V1.D1.S3 Reprocess of REPEAT **Acquired:** 2012-06-22 09:55 3.2.0-10990
Reference: 0 **Processed:** 2012-06-22 10:19 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

DENSITY CORRECTION
G/CC
-0.25 0.25

NEUTRON (Y) CALIPER
INCHES (IN)
14 24
4 14

Volume
Calcite

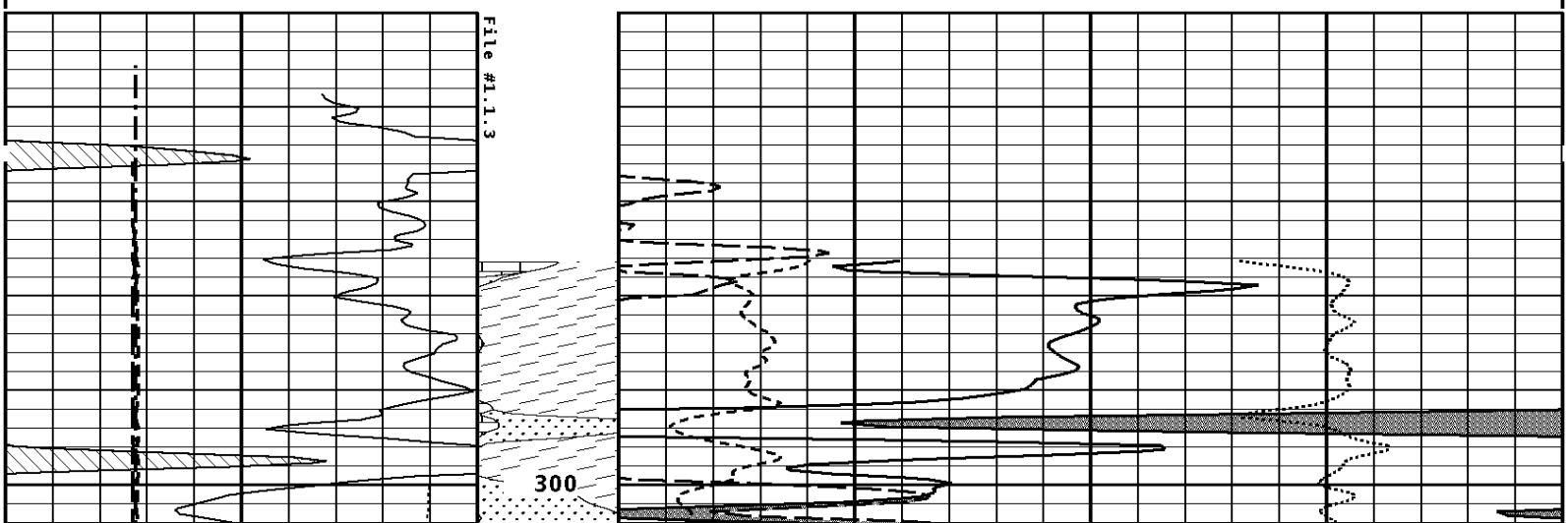
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 -10

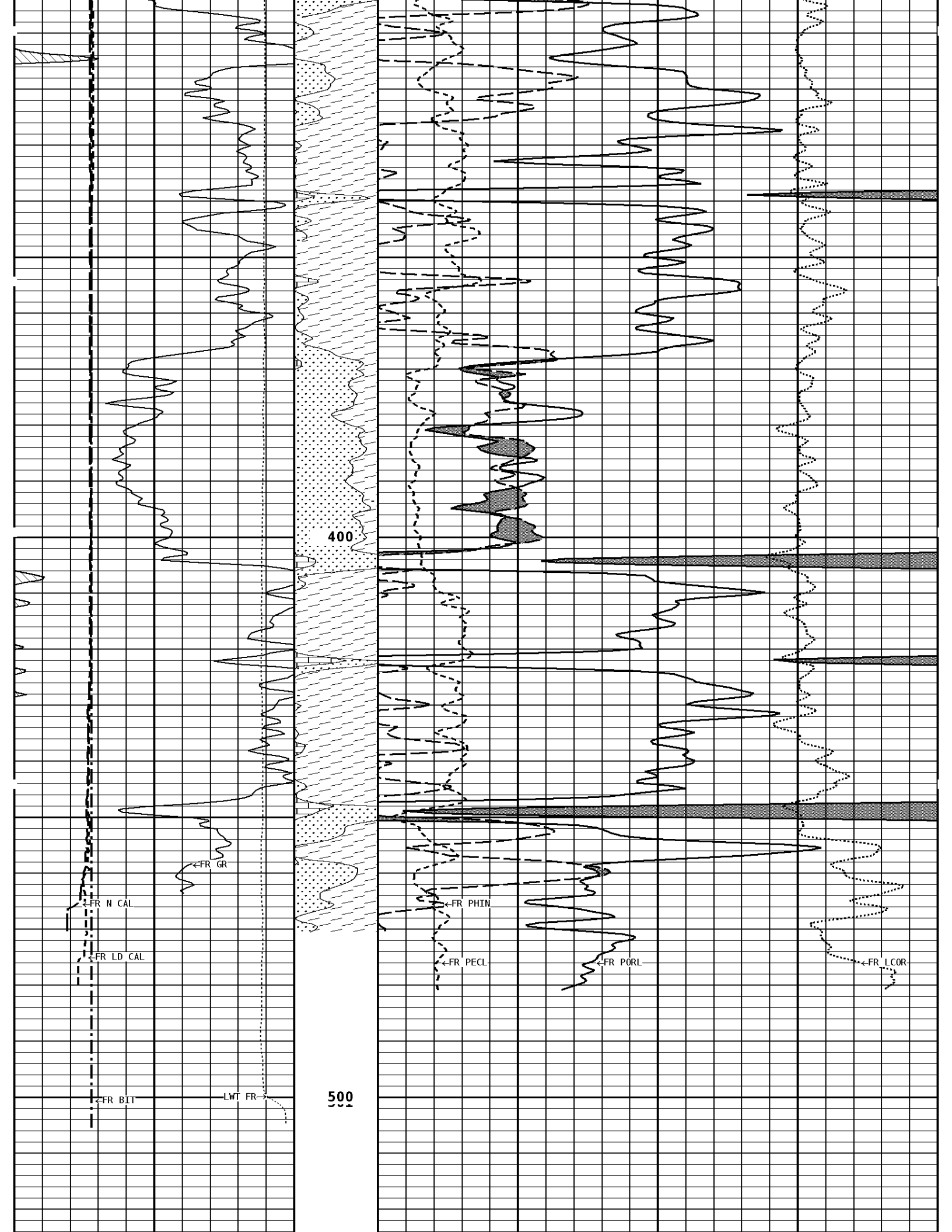
GAMMA RAY
API UNITS
200 400
0 200

-BHV AHV-
CU.FT

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

1:240 REPEAT SECTION




400
500
FR GR
FR N CAL
FR LD CAL
FR BIT
LWT FR
FR PHIN
FR PECL
FR PORL
FR LCOR

File #1.1.3

1:240 REPEAT SECTION

GAMMA RAY API UNITS	-BHV AHV- CU.FT	DENSITY POROSITY PERCENT (2.71 g/cc)
200 400 0 200		70 30 30 -10 -10 -50

NEUTRON (Y) CALIPER INCHES (IN)	Volume Calcite	NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)
14 24 4 14		30 -10

DENSITY (X) CALIPER INCHES (IN)	Volume Quartz	PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
14 24 4 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_POST-11-30_JUN22_STK **Scale:** 1:240
Segment: V1.D1.S5 Reprocess of MAIN **Acquired:** 2012-06/22 10:05 3.2.0-10990
Reference: 0 **Processed:** 2012-06/22 10:19 3.2.0-10990

TENSION LBS
10000 0

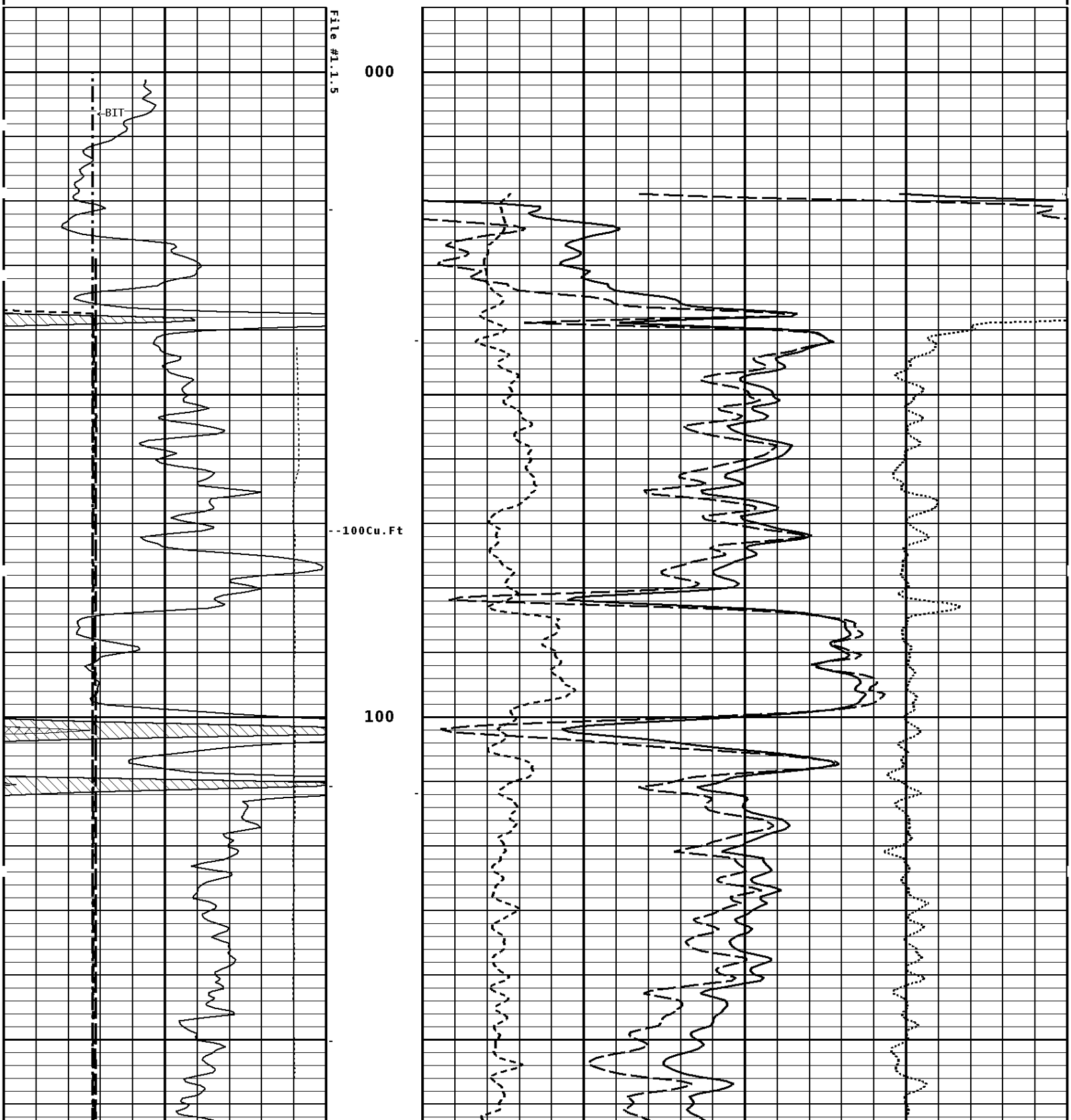
BIT SIZE INCHES (IN)
4 14

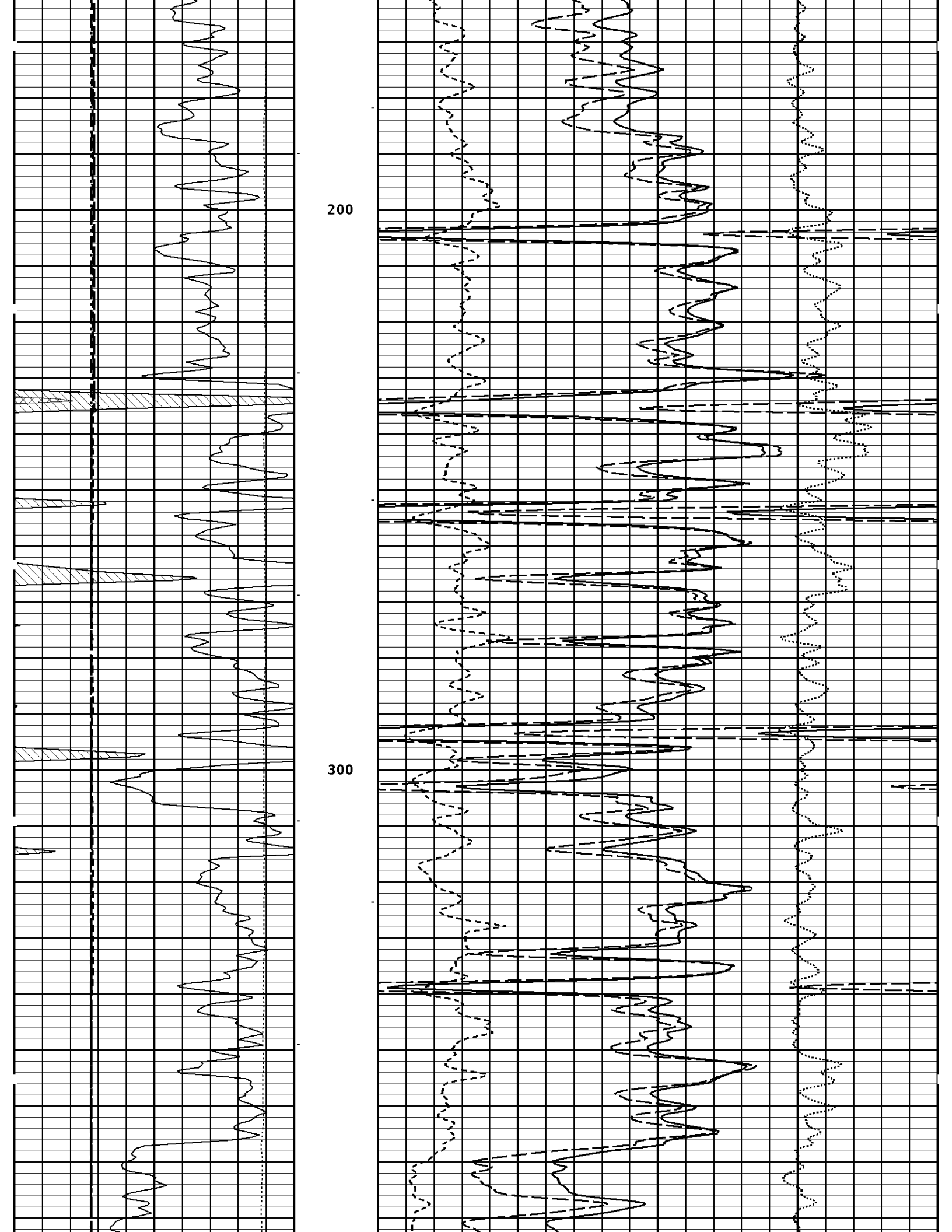
DENSITY (X) CALIPER INCHES (IN)	PE CROSS-SECTION BARNS/ELECTRON	DENSITY CORRECTION G/CC
14 24 4 14	0 10	-0.25 0.25

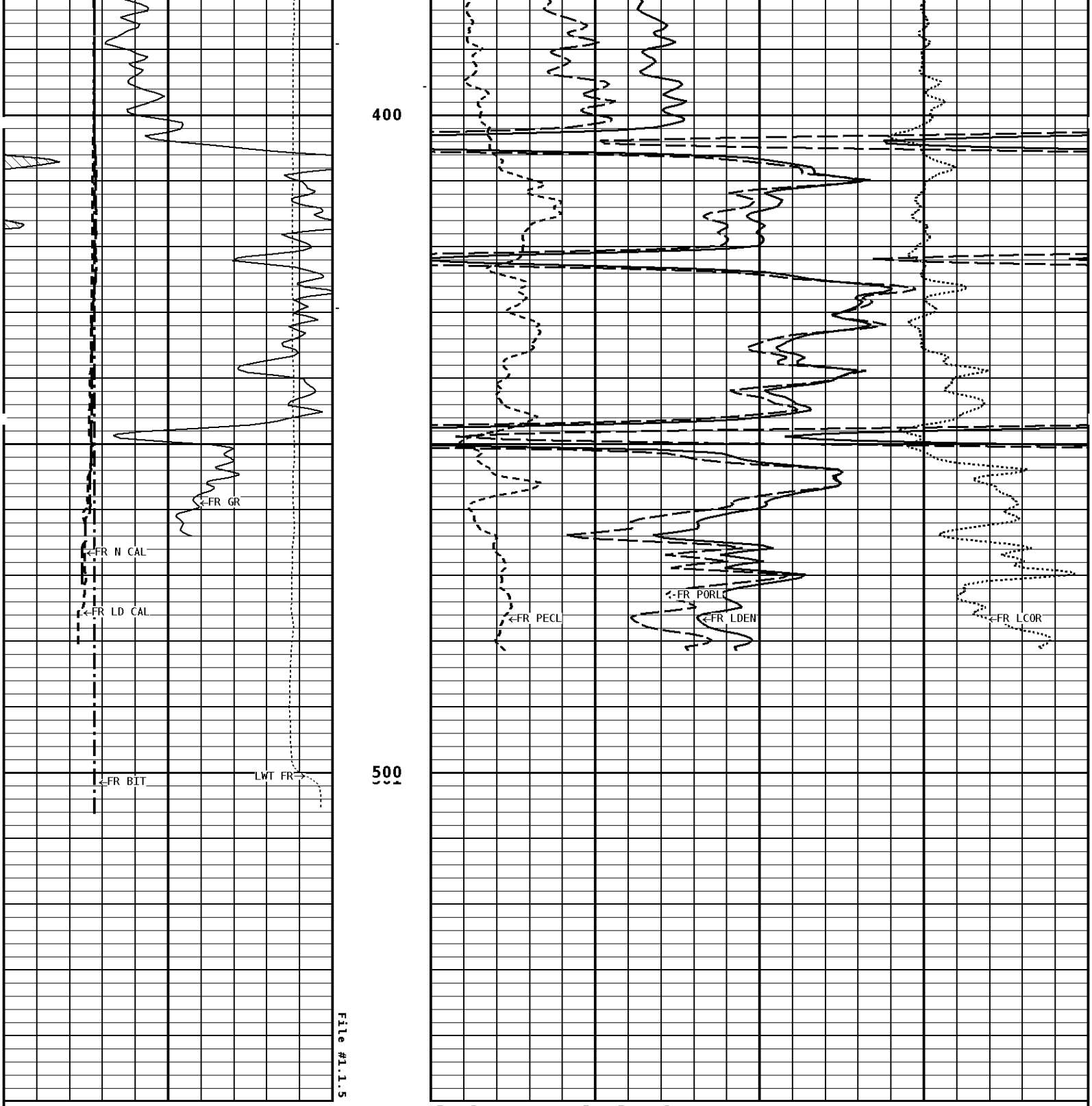
NEUTRON (Y) CALIPER INCHES (IN)	DENSITY POROSITY PERCENT (2.71 g/cc)
14 24	70 30

14 24 4 14		70 30 30 -10 -10 -50
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

1:240 MAIN SECTION
BULK DENSITY




200
300



1:240 MAIN SECTION
BULK DENSITY

GAMMA RAY API UNITS	-BHV AHV- CU.FT	COMPENSATED BULK DENSITY G/CC
200 400 0 200		3.0 4.0 2.0 3.0 1.0 2.0
NEUTRON (Y) CALIPER INCHES (IN)		**DENSITY POROSITY PERCENT (2.71 g/cc)**
14 24 4 14		70 30 30 -10 -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 Background	Measured Jig	Units	Calibrated Jig	Units
GR	45	315	CPS	175	GRAPI

Shop Calibration
CNT-AA

Performed : 17-JUN-2012 Time : 10:19
Sensor Suite : CALI-BCN ID : NDT-BB-134

	Jig - Measured Ring#1	Jig - Measured Ring#2	Jig - Calibrated Ring#1	Jig - Calibrated Ring#2	Units
CL # 1	11.2	17.2	6.0	12.0	IN.

Performed : 28-Mar-2012 Time : 12:17
Sensor Suite : BHC NEUT ID : CNP-AE-42
Source ID : N-1044

	Tank Measured	Tank Calibrated	Verification Jig	Units
N/F	3.6342	3.6893	3.7042	
Porosity	19.7	20.5	20.7	%

Shop Calibration
LDT-DA

Performed : 20-JUN-2012 Time : 13:21
Sensor Suite : CALI-LTH ID : NDT-CA-137

	Jig - Measured Ring#1	Jig - Measured Ring#2	Jig - Calibrated Ring#1	Jig - Calibrated Ring#2	Units
CL # 1	7.1	13.1	6.0	12.0	IN.

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	0.183	0.187	0.190	0.187	

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: POST #11-30

Location: 1980' FSWL & 1980' FWL

Logged: 2012-06-22

K.B. Elev: 0.0