Tucker WIRELINE SERVICES

COMPENSATED NEUTRON

PEL DENSITY LOG

N

Company RUNNING FOXES PETROLEUM INC.
Well DICKERSON #10-22B-4
Field BRONSON-XENIA
County ALLEN
State KANSAS
Country USA
API No. 15-001-30363-0000

File No : TUL-57378
Company : RUNNING FOXES PETROLEUM INC.
Well : DICKERSON #10-22B-4
Field : BRONSON-XENIA
County : ALLEN
State : KANSAS
Country : USA
API No : 15-001-30363-0000

Location :
2145' FSL & 2145' FEL
SE NW NW SE

LSD : **Sect :** 22 **Twp :** 24S **Rge :** 21E

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**	1111.00	Ft	PIT

Date	2012-05-25			
Run Number	1			
Depth--Driller	930.0 Ft			
Depth--Logger	928.0 Ft			
First Reading	905.0 Ft			
Last Reading	22.0 Ft			
Casing--Driller	22.0 Ft			
Casing--Logger	22.0 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.	0.500 @ 75 F			
RMF@Measured Temp	0.400 @ 75 F			
RMC@Measured Temp.	0.600 @ 75 F			
Source RMF/RMC	CALCULATED	CALCULATED		
RM@BHT	0.460 @ 82 F			
Time Circulation Stopped	2012-05-25 10:12			
Max Recorded Temp.	82 F			
Equipment/Base	TRK 127	TULSA		
Recorded By	SHELDON TYLER			
Witnessed By	K. HODGES			

Bitsize Intervals

Size (In)	Bottom (Ft)
6.750	930.00

Casing Strings

Size (In)	Weight (Lbs)	Bottom (Ft)
8.625	32.00	22.00

Run Number	1		
Date	2012-05-25		
Date/Time On Bottom	2012-05-25 12:12		
Depth to Fluid	0.0	Ft	
Salinity	0.000	PPM	
RMF@BHT	0.370 @ 82	F	
RMC@BHT	0.550 @ 82	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 4.5" PRODUCTION CASING.

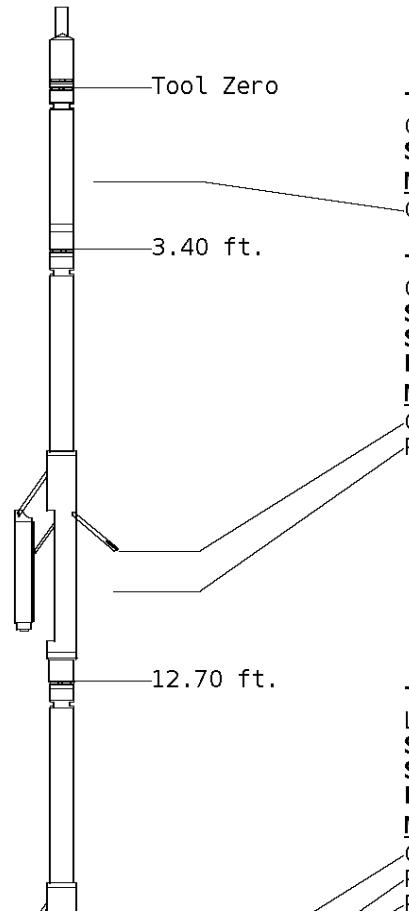
GRT: GRP, GRX
CNT: PHIN, CLCNIN, PHXN
LDT: PORL, LCORN, PECLN, LDENN, PORLLS, CLLDIN, PRXL, PECLX, LDENNX, LCORX

PIT: ILD, ILM, SPU, SFLAEC

OPERATORS:
A.DJAHO
J.T.

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

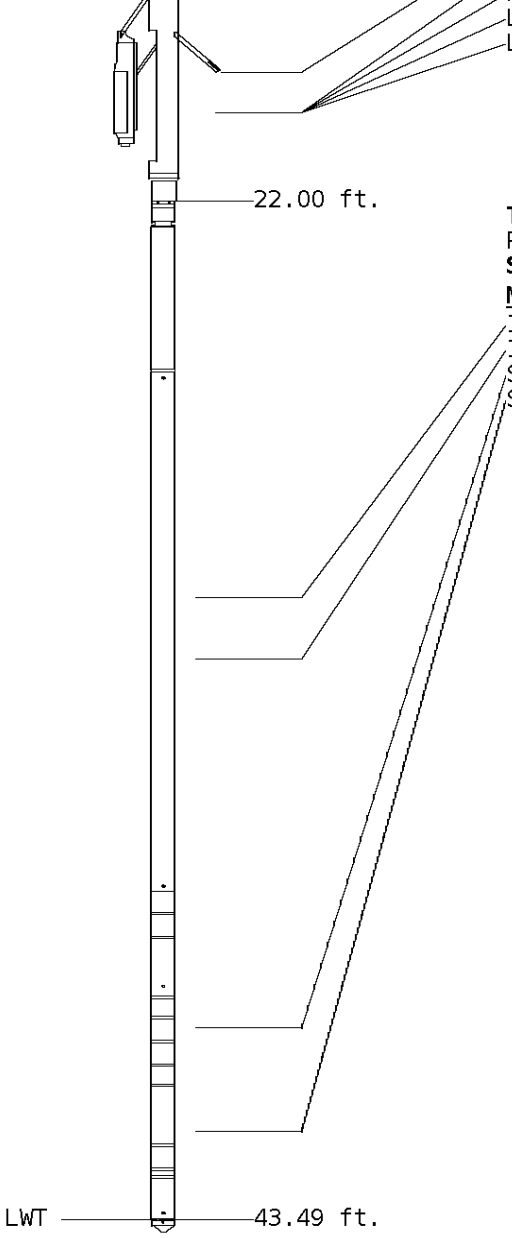
Tool: CNT-AA **Length:** 9.30 **ft.** **O.D.** 4.36 **in.**
Compensated Neutron A Pad on NDT-A
Sonde ID :NDT-AB-400
Source ID :N-1044
Pad ID :CNP-AA-116

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 **Length:** 9.30 **ft.** **O.D.** 4.80 **in.**
Litho Density D Pad on NDT-A
Sonde ID :NDT-BB-139
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-CA-074

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_DICKERSON_10-22B-4_MAY25_STK **Scale:** 1:240
Segment: V1.D1.S5 Reprocess of MAIN GR-CNT-LDT **Acquired:** 2012-05/25 13:34 3.2.0-10801
Reference: 0 **Processed:** 2012-05/25 13:54 3.2.0-10801

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

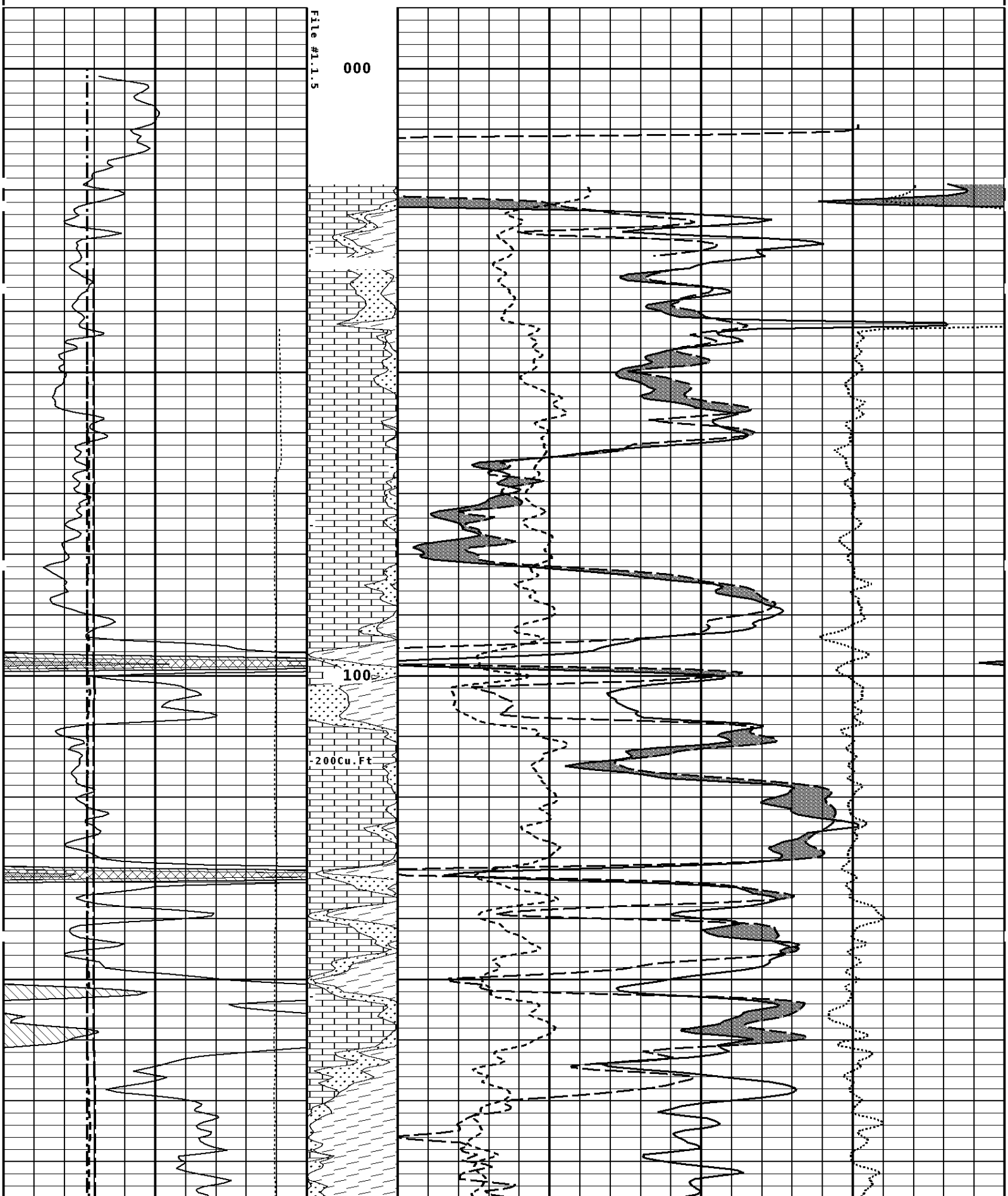
NEUTRON POROSITY
PERCENT (LIMESTONE MATRIX)
30 — -10

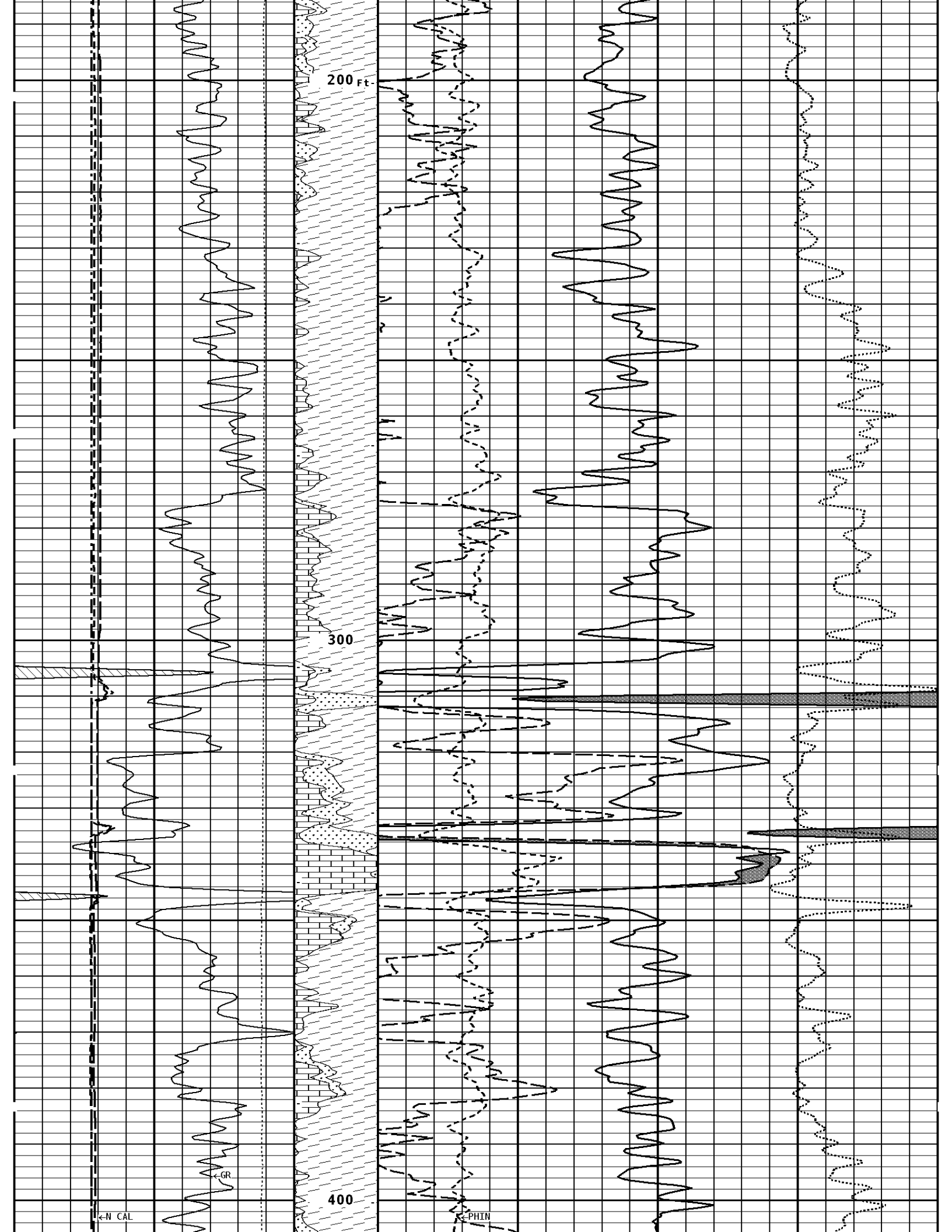
GAMMA RAY
API UNITS
200 — 400
0 — 200

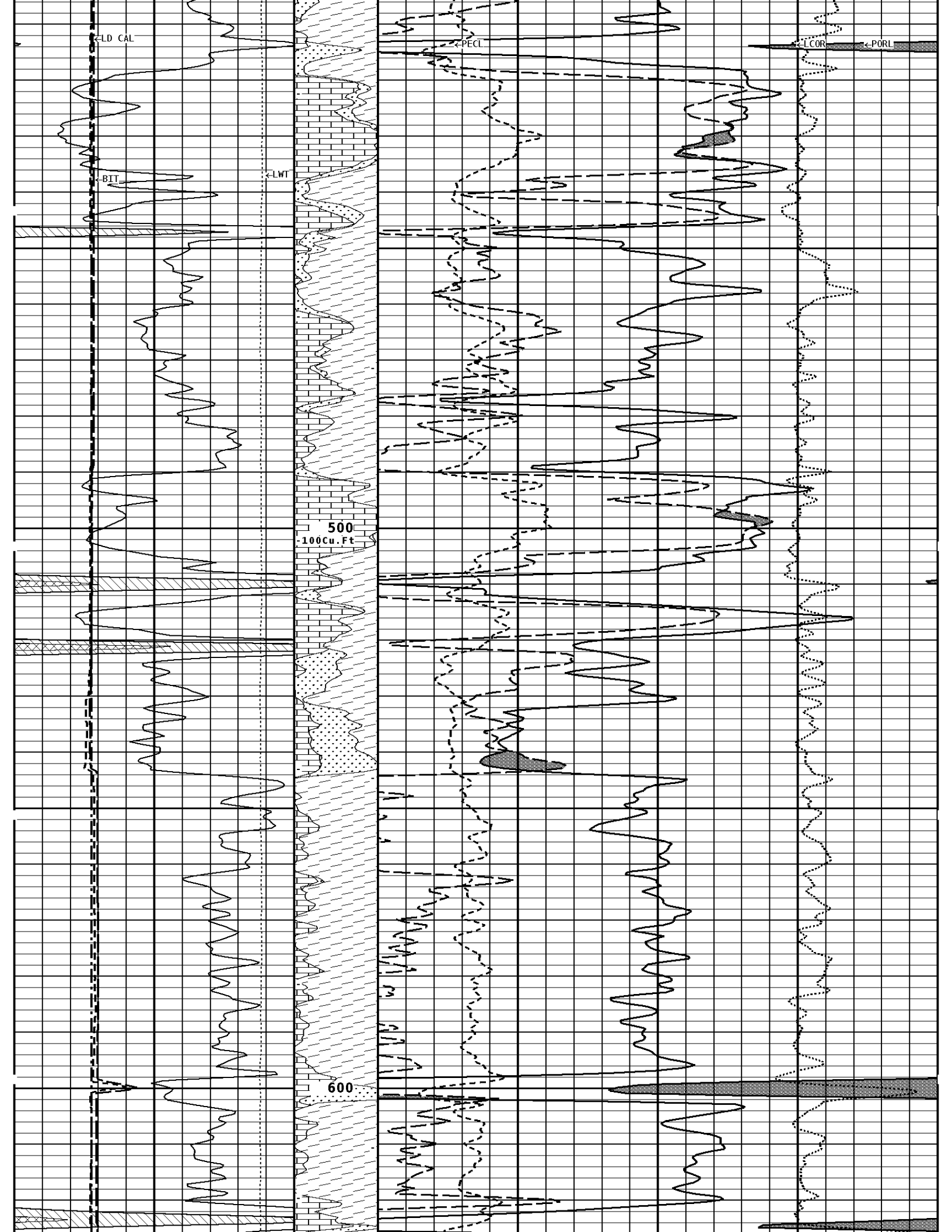
-BHV AHV-
CU.FT

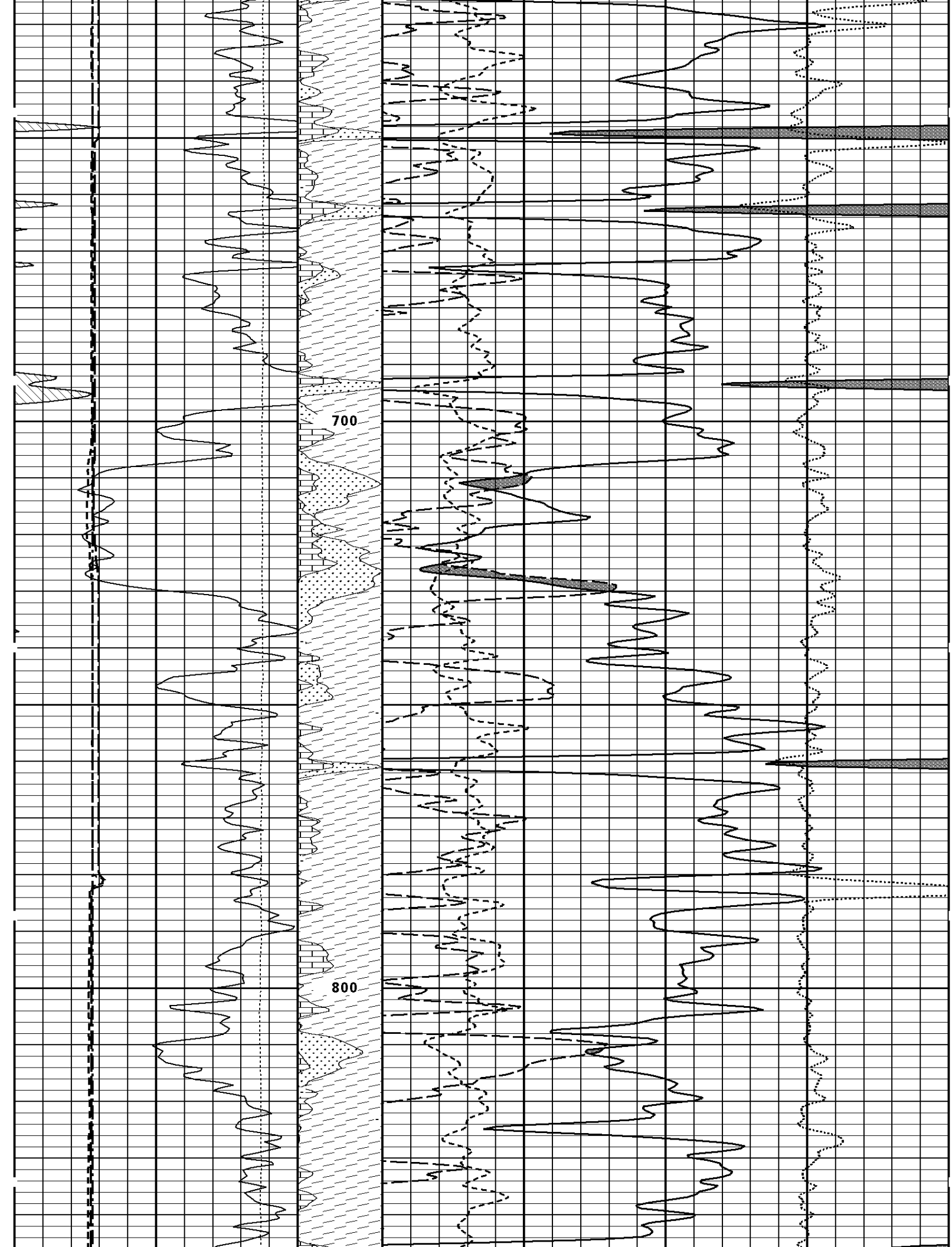
DENSITY POROSITY
PERCENT (2.71 g/cc)
70 — 30
30 — -10
-10 — -50

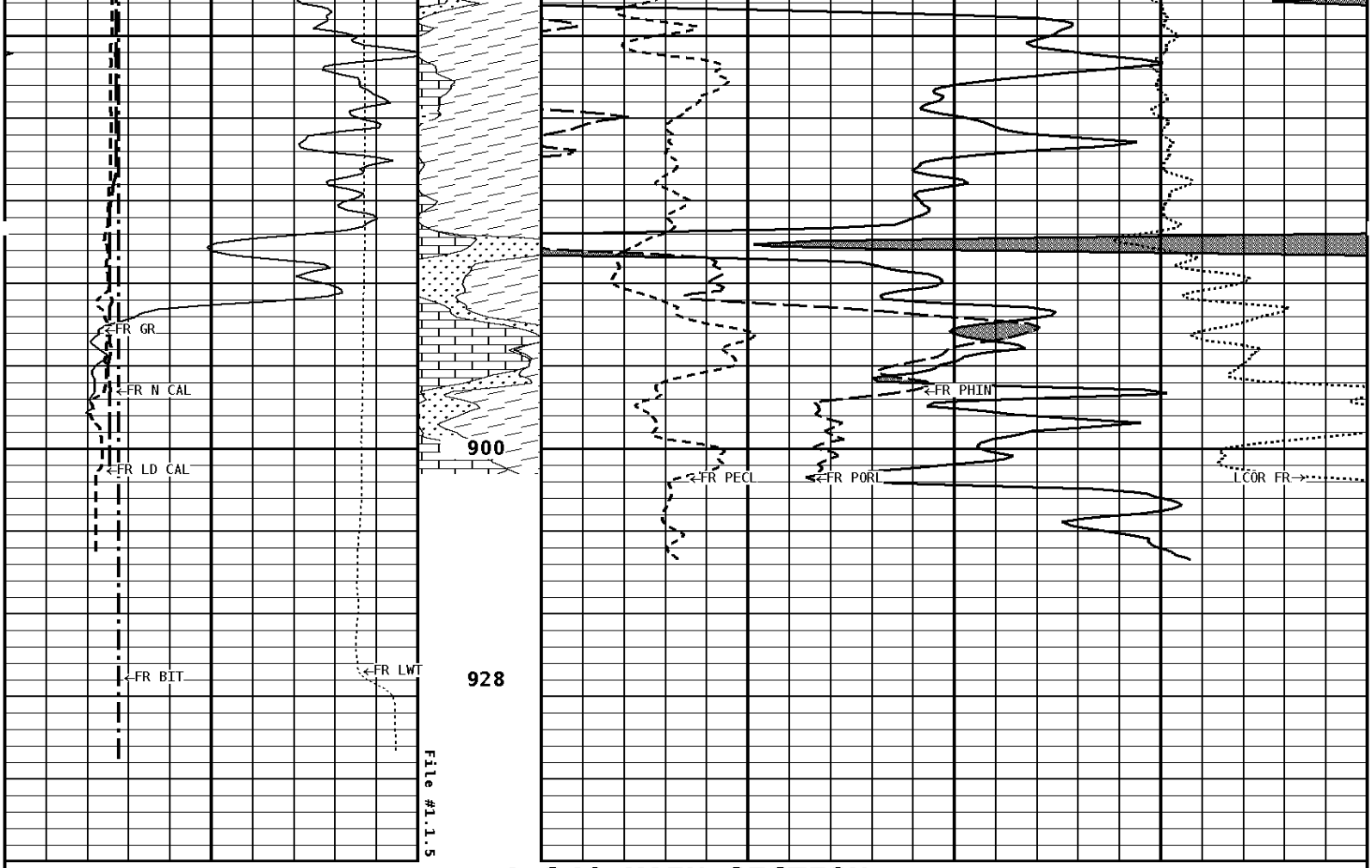
1:240 MAIN SECTION




200 Ft
300
400
←GR
←N CAL
←PHIN


LD CAL
BIT
LWT
PECL
LCOR
PORL
500
100Cu.Ft
600


700
800



1:240 MAIN 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_DICKERSON_10-22B-4_MAY25_STK **Scale:** 1:240
Segment: V1.D1.S3 Reprocess of REPEAT GR-CNT-LDT **Acquired:** 2012-05/25 13:23 3.2.0-10801
Reference: 0 **Processed:** 2012-05/25 13:31 3.2.0-10801

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

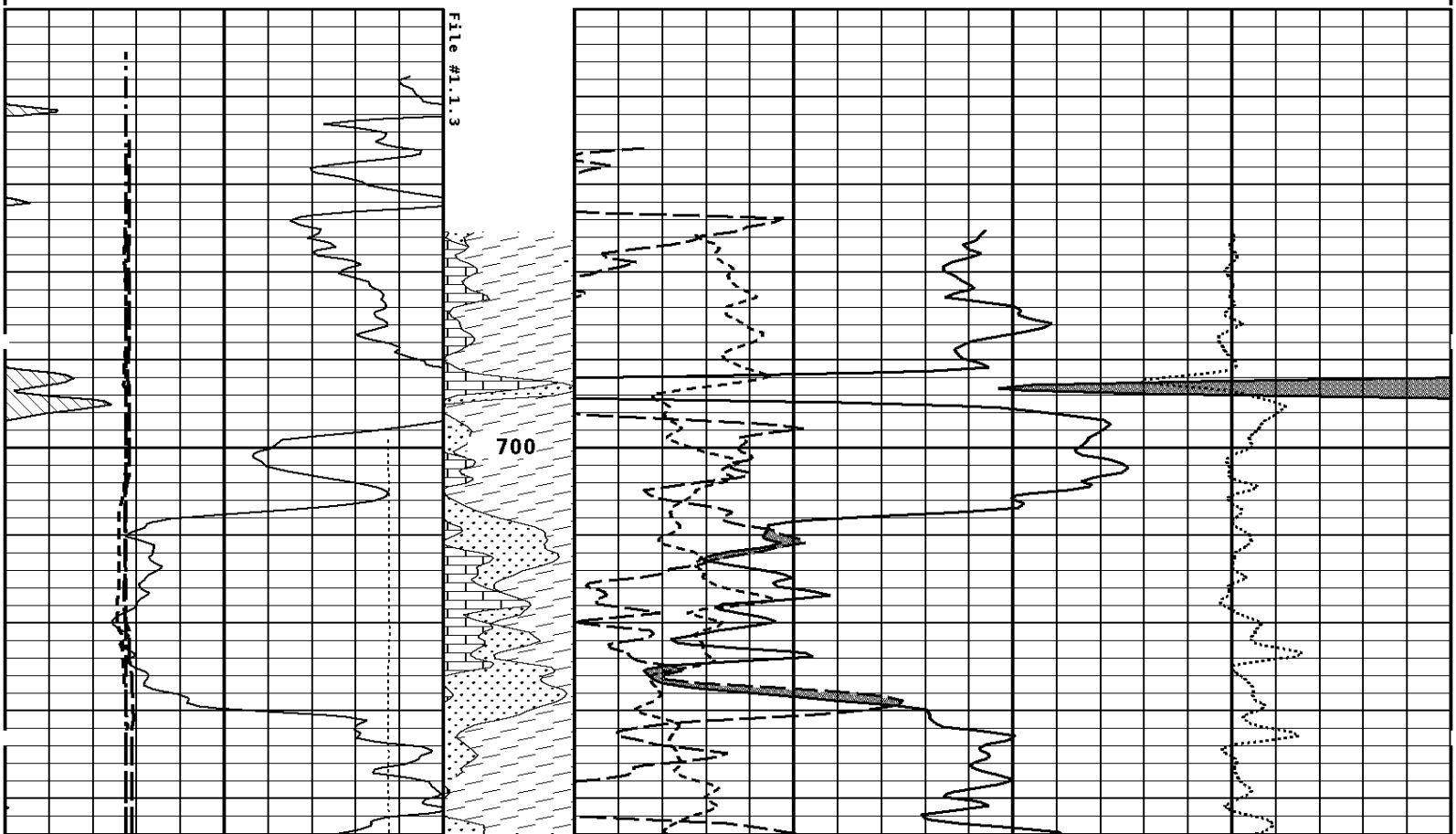
NEUTRON POROSITY PERCENT (LIMESTONE MATRIX)
30 — -10

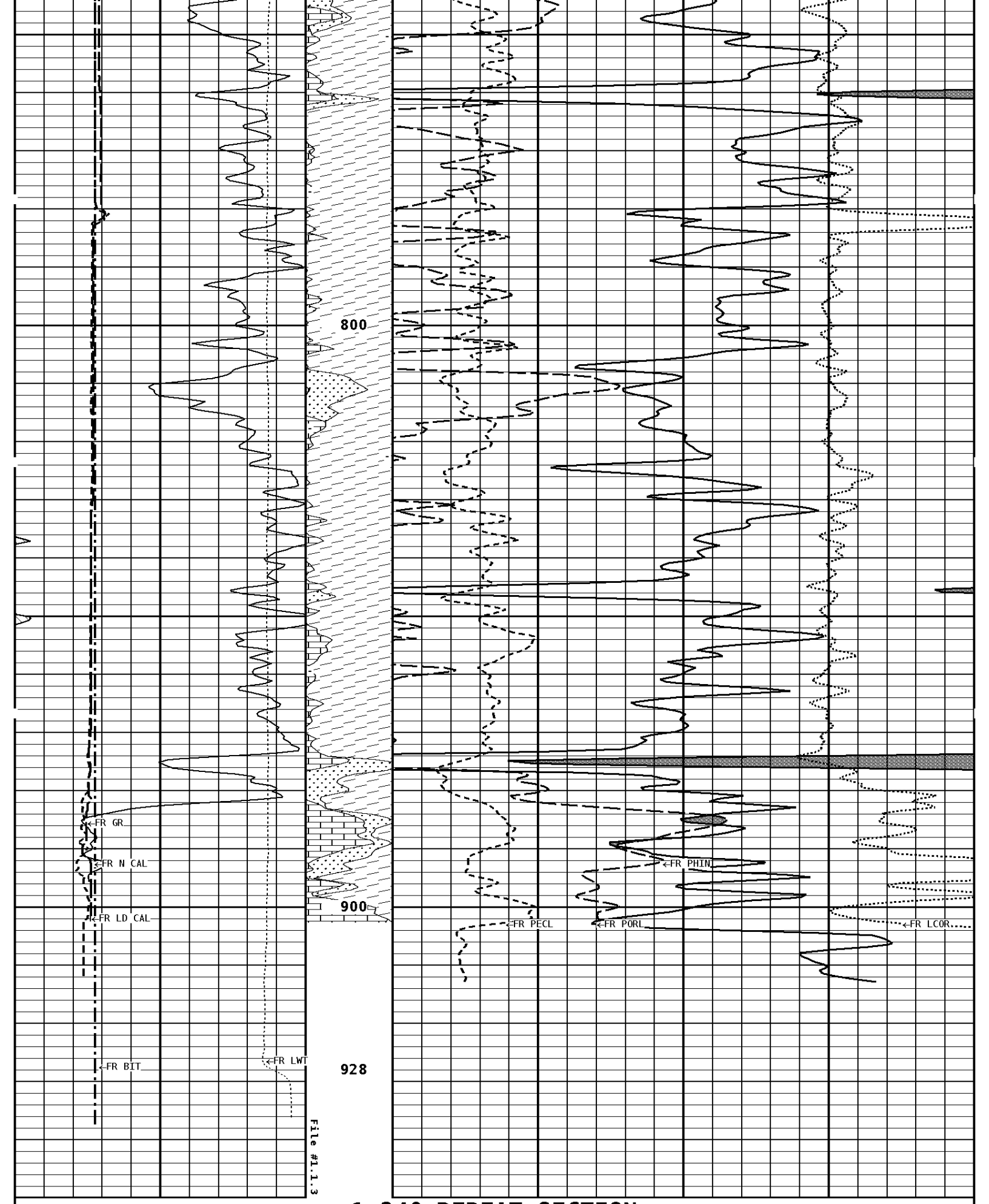
GAMMA RAY API UNITS
200 — 400
0 — 200

-BHV AHV- CU.FT

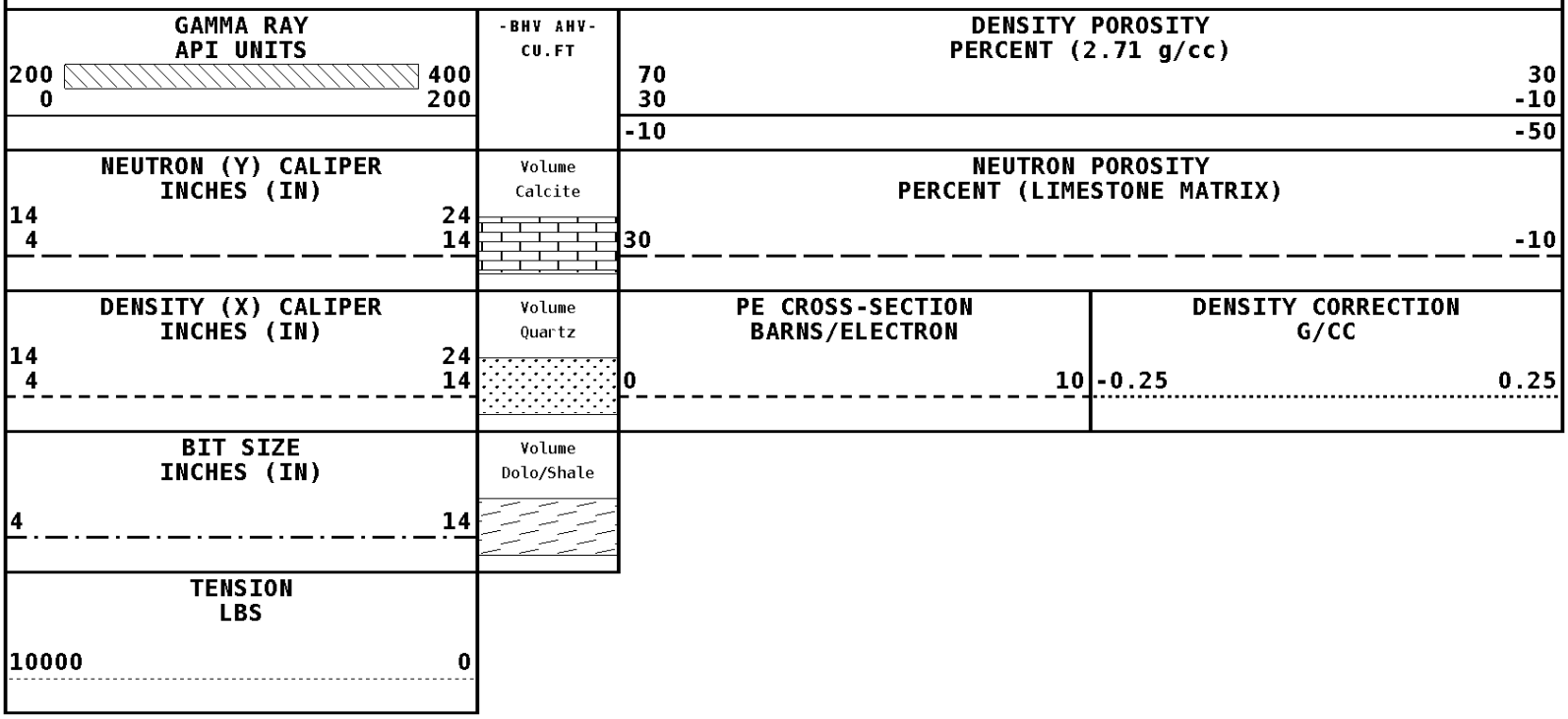
DENSITY POROSITY PERCENT (2.71 g/cc)
70 — 30
30 — -10
-10 — -50

1:240 REPEAT SECTION





1:240 REPEAT SECTION

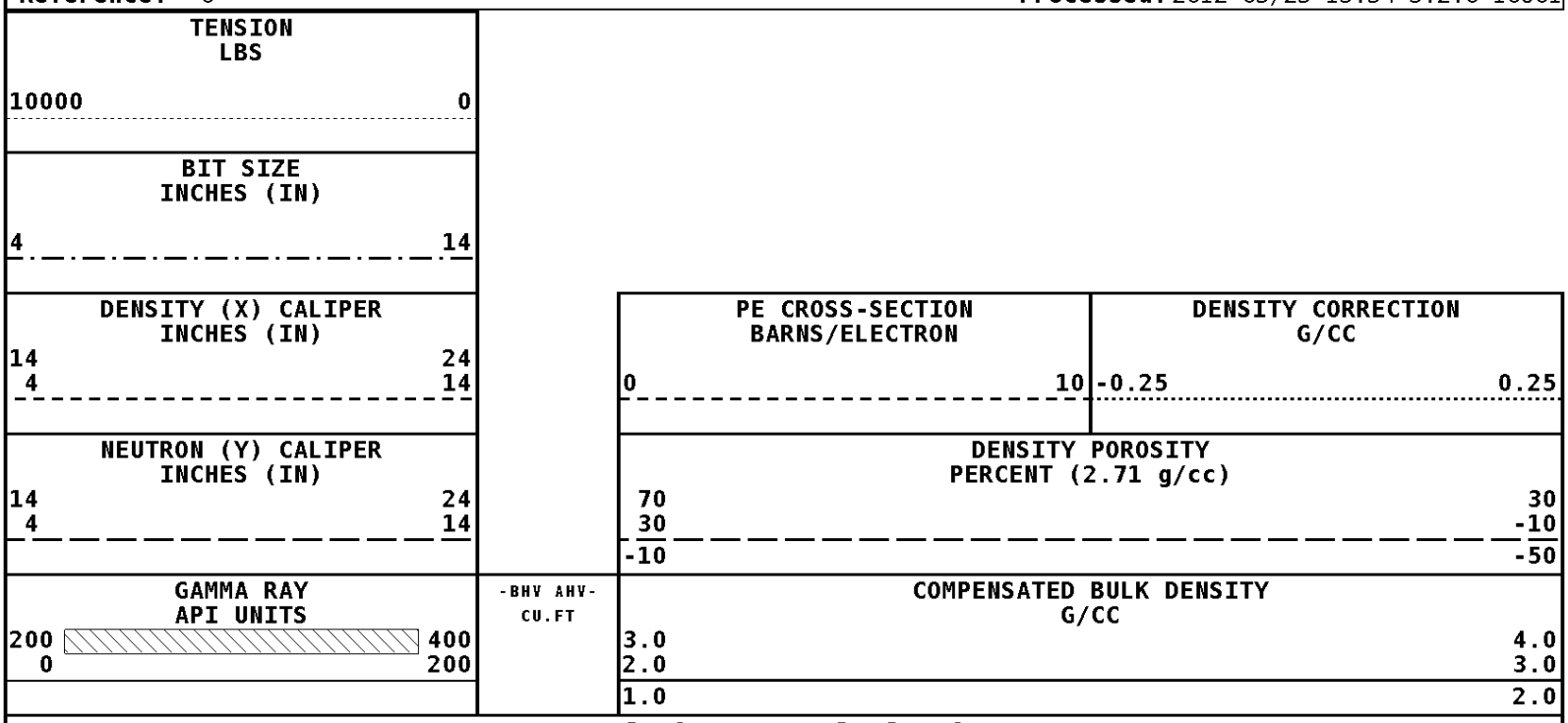


*** Borehole Zone Factors ***

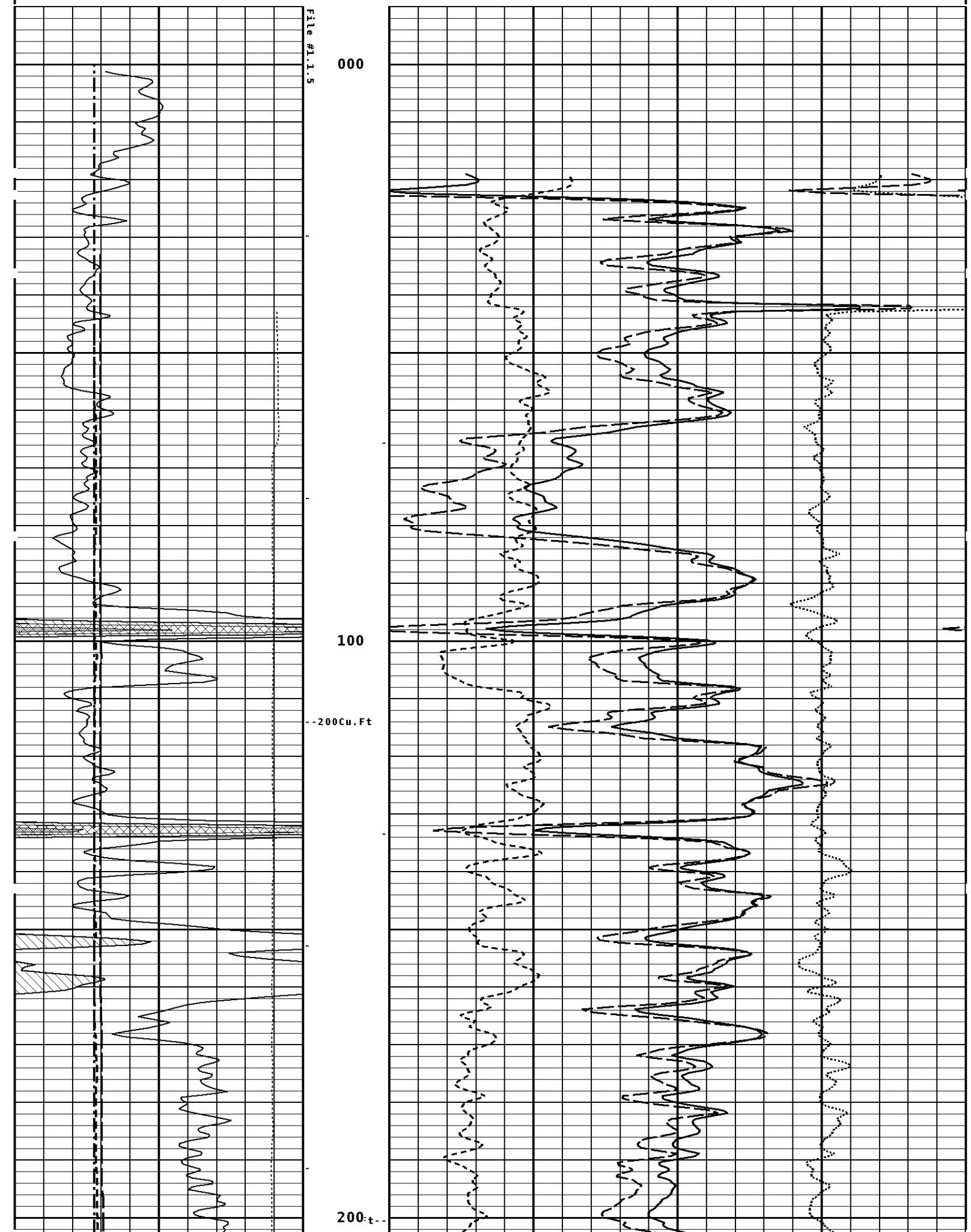
Zone 1 99999.0 to 0.0 Feet

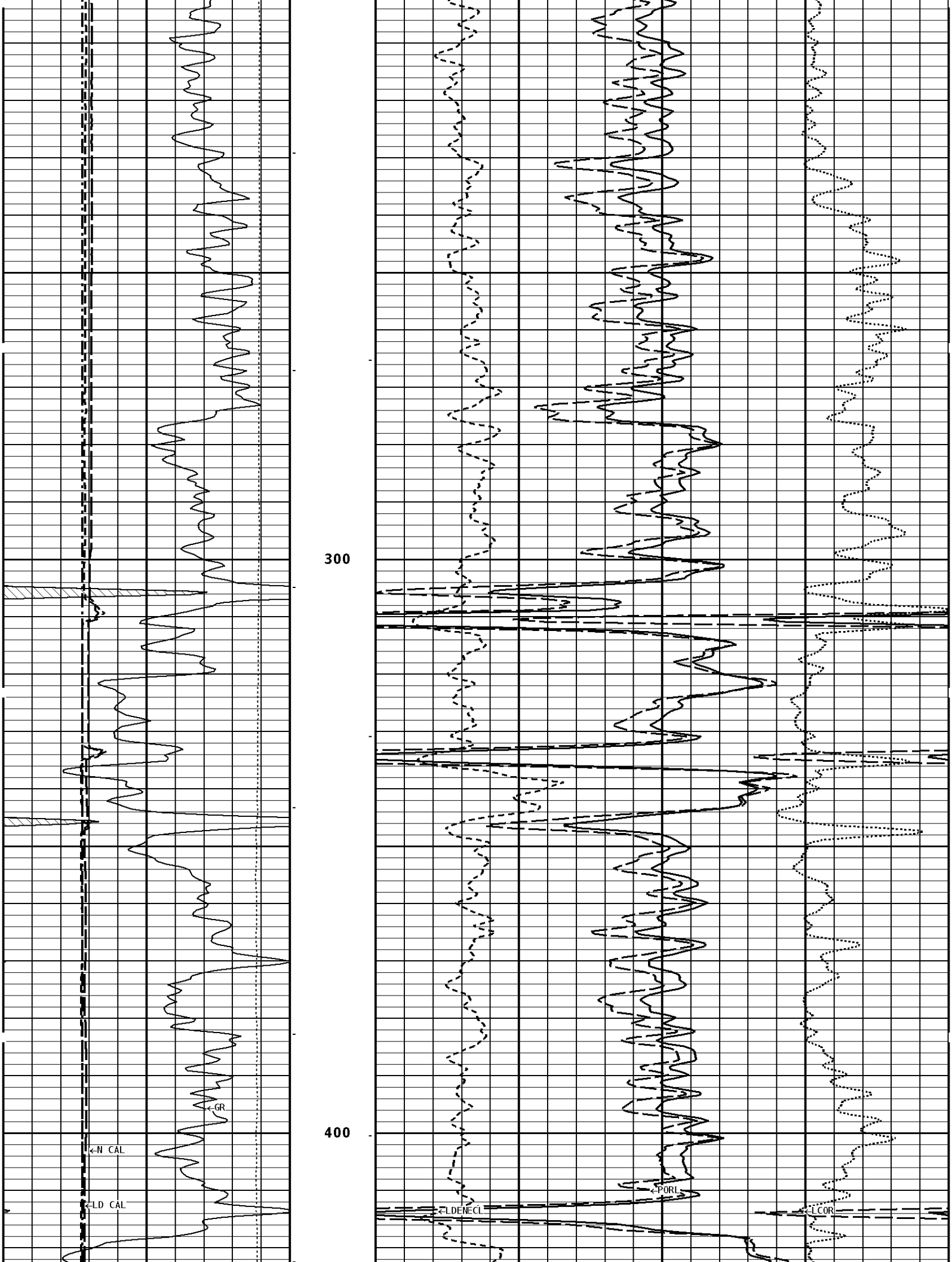
Matrix Density	2.71	g/cc
Fluid Density	1.00	g/cc
Formation Matrix	Limestone	
Drill Bit Size	6.750	in
Casing Diameter	4.500	in
Casing Correction (PHI N)	Disable	

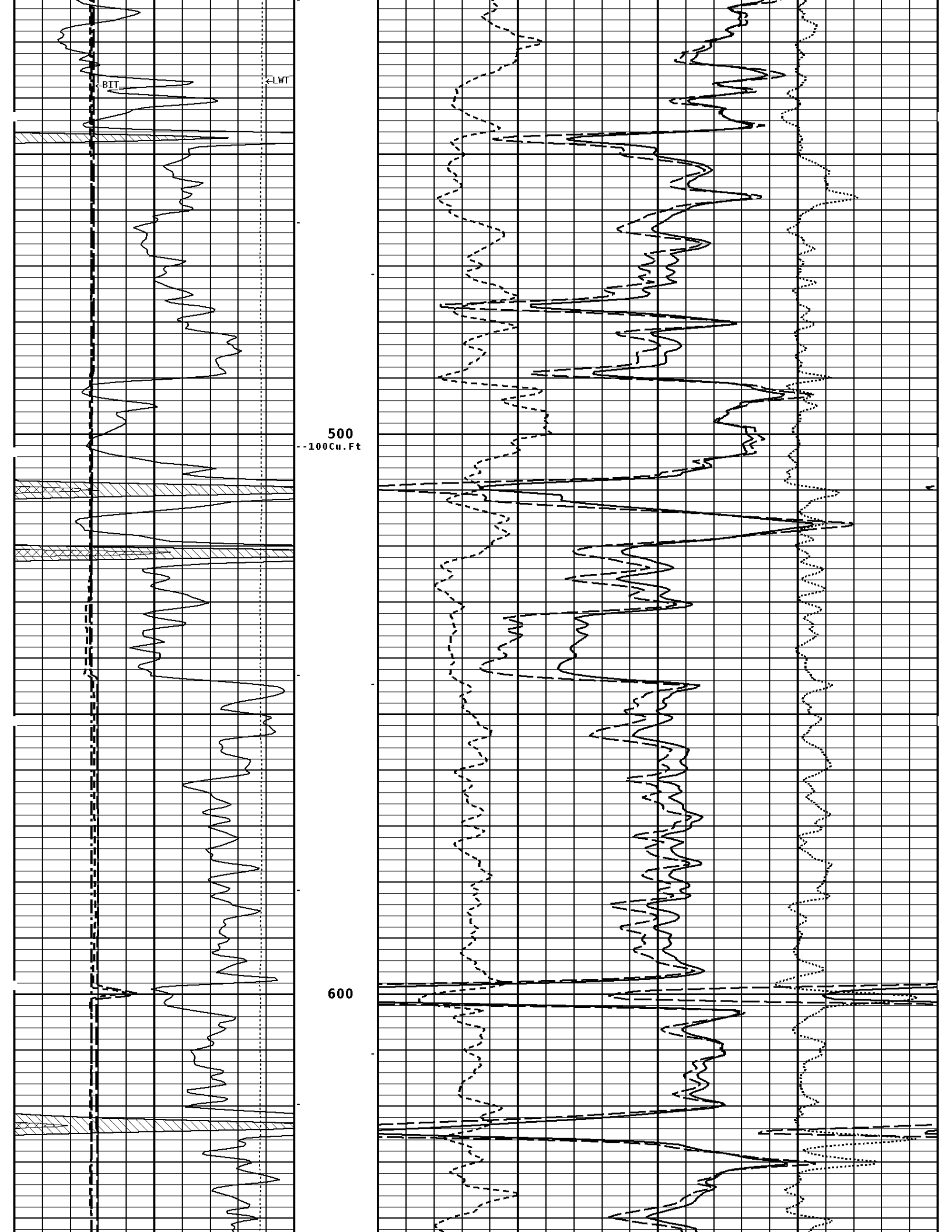
Well File: RFP_DICKERSON_10-22B-4_MAY25_STK **Scale:** 1:240
Segment: V1.D1.S5 Reprocess of MAIN GR-CNT-LDT **Acquired:** 2012-05/25 13:34 3.2.0-10801
Reference: 0 **Processed:** 2012-05/25 13:54 3.2.0-10801

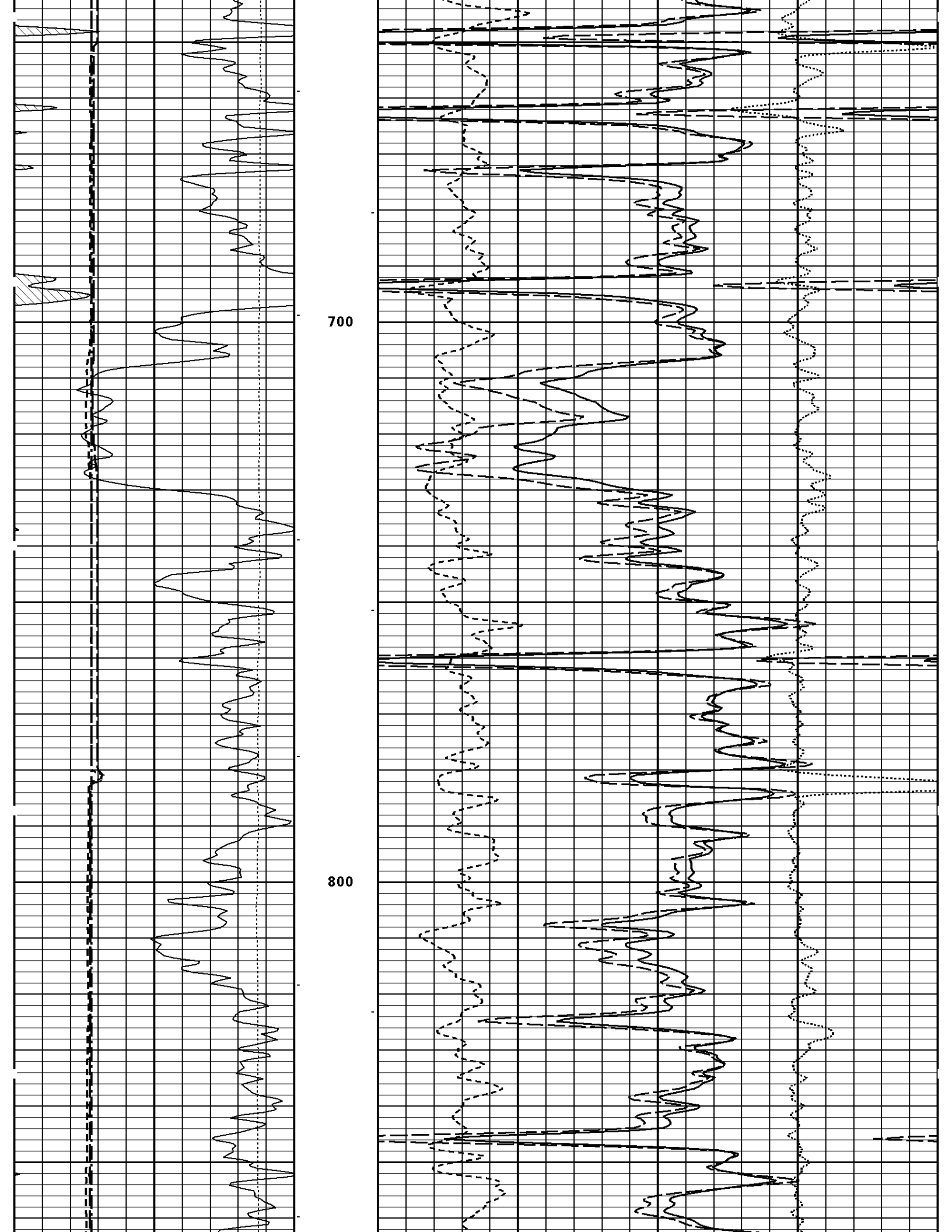


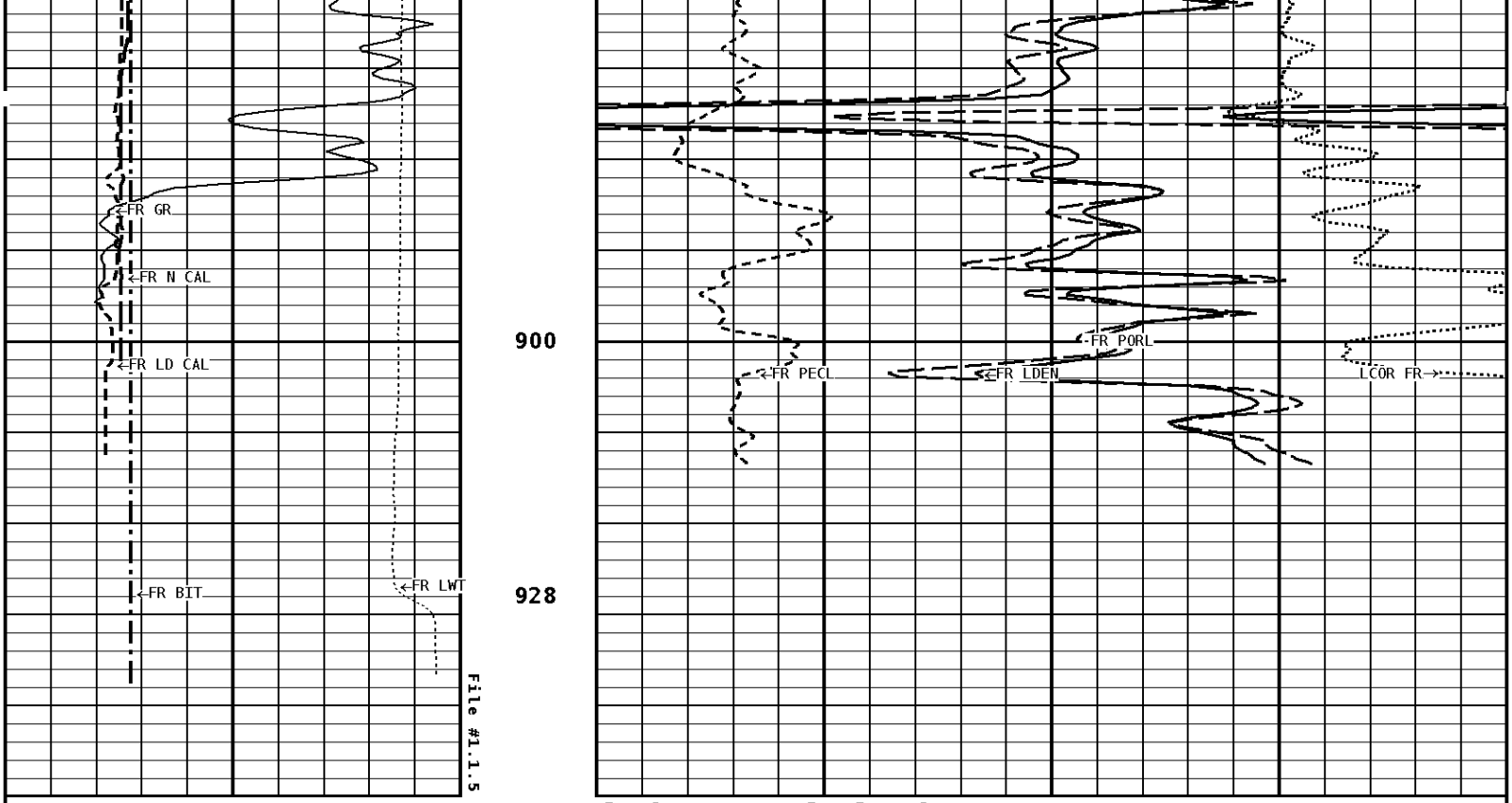
1:240 MAIN SECTION
BULK DENSITY


File #1.1.5
000
100
--200Cu.Ft
200
t--


300
400
GR
N CAL
LD CAL
PORL
LDENECL
LCOR


BIT
LWT
500
--100Cu.Ft
600


700
800



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
0 — 10

DENSITY CORRECTION
G/CC
-0.25 — 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 : 12:22
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 : 21-MAR-2012 Time : 11:09
Sensor Suite : CALI-BCN ID : NDT-AB-400

	Jig - Measured Ring#1	Jig - Measured Ring#2	Jig - Calibrated Ring#1	Jig - Calibrated Ring#2	Units
CL # 1	8.4	14.4	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 Measured	Tank Calibrated	Verification Jig	Units
N/F	3.8736	3.6893	3.6981	
Porosity	23.4	20.5	20.6	%

Shop Calibration
LDT-DA

Performed : 25-MAY-2012 Time : 12:33
Sensor Suite : CALI-LTH ID : NDT-BB-139

	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	0.182	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: DICKERSON #10-22B-4
Location: 2145' FSL & 2145' FEL
Logged: 2012-05-25
K.B. Elev: 0.0