



WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # _____

Name: _____

Address 1: _____

Address 2: _____

City: _____ State: _____ Zip: _____ + _____

Contact Person: _____

Phone: (_____) _____

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: _____

Designate Type of Completion:

- New Well Re-Entry Workover
- Oil WSW SWD SIOW
- Gas D&A ENHR SIGW
- OG GSW Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: _____

Well Name: _____

Original Comp. Date: _____ Original Total Depth: _____

- Deepening Re-perf. Conv. to ENHR Conv. to SWD
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- Commingled Permit #: _____
- Dual Completion Permit #: _____
- SWD Permit #: _____
- ENHR Permit #: _____
- GSW Permit #: _____

Spud Date or Recompletion Date Date Reached TD Completion Date or Recompletion Date

API No. 15 - _____

Spot Description: _____

_____ - _____ - _____ Sec. _____ Twp. _____ S. R. _____ East West

_____ Feet from North / South Line of Section

_____ Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE NW SE SW

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total Depth: _____ Plug Back Total Depth: _____

Amount of Surface Pipe Set and Cemented at: _____ Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: _____ Feet

If Alternate II completion, cement circulated from: _____

feet depth to: _____ w/ _____ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



1063965

Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD: Size: _____ Set At: _____ Packer At: _____ Liner Run: Yes No

Date of First, Resumed Production, SWD or ENHR. _____ Producing Method:
 Flowing Pumping Gas Lift Other *(Explain)* _____

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	McCoy Petroleum Corporation
Well Name	SCHMIDT 'A' 6-29
Doc ID	1063965

All Electric Logs Run

Weatherford - Dual Induciton
Weatherford - Density/Neutron
Weatherford - Microlog
Log Tech - Sonic Cement Bond

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



Phone: 316-337-6200
Fax: 316-337-6211
<http://kcc.ks.gov/>

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

September 26, 2011

Scott Hampel
McCoy Petroleum Corporation
8080 E CENTRAL STE 300
WICHITA, KS 67206-2366

Re: ACO1
API 15-081-21953-00-00
SCHMIDT 'A' 6-29
SW/4 Sec.29-30S-31W
Haskell County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,
Scott Hampel

Cement Report

Customer <u>McCoy Petroleum</u>	Lease No.	Date <u>7/24/11</u>
Lease <u>Schmidt "A"</u>	Well # <u>6-29</u>	Service Receipt
Casing <u>4 5/8</u>	Depth <u>1837' RTD</u>	County <u>Haskell</u>
Job Type <u>SURFACE</u>	Formation	Legal Description <u>29-30-31</u>

Pipe Data		Perforating Data		Cement Data
Casing size <u>4 5/8</u>	Tubing Size	Shots/Ft		Lead <u>450 Δ V A-CO₂</u>
Depth <u>1827.30</u>	Depth <u>3 1/2"</u>	From	To	@ <u>11.4# 3 1/2" CaCl₂</u>
Volume <u>113.6</u>	Volume	From	To	<u>2.95 gal/sk 18.10 gal/sk</u>
Max Press <u>1500</u>	Max Press	From	To	Tail in <u>1505x" C @ 11.8</u>
Well Connection <u>P.C.</u>	Annulus Vol.	From	To	<u>8.35 gal/sk</u>
Plug Depth	Packer Depth	From	To	<u>1.34 gal/sk</u>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
11:30	7/23/11				on loc spot trucks, rig up, sufficient
01:30					Break Circ
06:53	2010				1st test
06:56	200		0	5	3rd 11.4# CaCl ₂ @ 11.8
07:27	185		250	5	3rd 11.4# CaCl ₂ @ 11.8
07:44			30		3rd 11.4# CaCl ₂ @ 11.8
07:49					3rd 11.4# CaCl ₂ @ 11.8
08:13	0		0	5	3rd 11.4# CaCl ₂ @ 11.8
08:34	4.5		95	2	3rd 11.4# CaCl ₂ @ 11.8
08:43	3.0		105	1	3rd 11.4# CaCl ₂ @ 11.8
08:53	20.110		113		Plug Down
08:56	100.0				Release Ps. Fluid Hold
					Job Complete
					Thank you
					Chad & crew

Service Units	<u>19888</u>	<u>3016319643</u>	<u>PR22514284</u>	<u>1435419579</u>
Driver Names	<u>Chad</u>	<u>Boles</u>	<u>A. Muñoz</u>	<u>V. Vasquez</u>

Calvin Mikkelsen Customer Representative
 Sam Taylor Station Manager
 Chad Cementer

Cement Report

Customer <i>McCoy Petro</i>		Lease No.	Date <i>7-28-11</i>
Lease <i>Schmidt</i>		Well # <i>6-29</i>	Service Receipt <i>1540A</i>
Casing <i>4.5</i>	Depth <i>4826.30</i>	County <i>Haskell</i>	State <i>Ks</i>
Job Type <i>2-42 LS</i>	Formation	Legal Description <i>29-30-31</i>	

Pipe Data		Perforating Data		Cement Data
Casing size <i>4.5 10.5</i>	Tubing Size	Shots/Ft		Lead <i>150 sks</i>
Depth <i>4826.30</i>	Depth <i>544.07</i>	From	To	
Volume <i>76.83</i>	Volume	From	To	<i>AA-2</i>
Max Press <i>1000</i>	Max Press	From	To	
Well Connection <i>4.5</i>	Annulus Vol.	From	To	
Plug Depth <i>4782.26</i>	Packer Depth	From	To	Tail in <i>Mouse & Rat</i> <i>60/40 Poz</i>

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
<i>5:15</i>					<i>on loc spot trucks/safety with circulate Hole Half pipe in Hole</i>
<i>8:30</i>					
<i>10:45</i>					<i>Prop Ball circulate on Bottom</i>
<i>11:45</i>					<i>Hook up cmt IRON</i>
<i>12:00</i>					<i>pressure Test to 2000 psi</i>
<i>12:05</i>	<i>250</i>	<i>200</i>	<i>18</i>	<i>3.0</i>	<i>pump mud flush</i>
<i>12:14</i>	<i>250</i>	<i>200</i>	<i>20</i>	<i>3.0</i>	<i>pump salt flush</i>
<i>12:21</i>	<i>0</i>		<i>6</i>	<i>150</i>	<i>plug Rat Hole</i>
<i>12:25</i>	<i>0</i>		<i>7.5</i>	<i>150</i>	<i>plug mouse Hole</i>
<i>12:35</i>	<i>100</i>				<i>start Long string cmt.</i>
<i>1:10</i>	<i>0</i>		<i>39.2</i>	<i>4.0</i>	<i>shutdown clean truck</i>
<i>1:18</i>	<i>150</i>			<i>6.0</i>	<i>Prop Plug</i>
<i>1:27</i>	<i>100</i>		<i>63</i>	<i>2.0</i>	<i>slow rate down to 2bpm</i>
<i>1:36</i>	<i>1000</i>		<i>77</i>	<i>0</i>	<i>plug down</i>
<i>1:37</i>					<i>Release Pressure plug Holding</i>
<i>1:45</i>					<i>Log down</i>

Service Units	<i>77467</i>	<i>19827</i>	<i>19566</i>	<i>19902</i>	<i>19820</i>	
Driver Names	<i>S Swafford</i>	<i>R Oldes</i>		<i>R Gen</i>	<i>F Chavz</i>	

Customer Representative _____

Station Manager _____

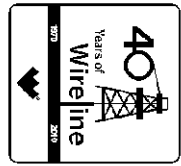
Cementer _____



Weatherford[®]

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**

COMPANY **MCCOY PETROLEUM CORP.**
WELL **SCHMIDT A #6-29**
FIELD **LETTE SE**
PROVINCE/COUNTY **HASKELL**
COUNTRY/STATE **U.S.A. / KANSAS**
LOCATION **150' W OF C SW**



SEC **TWP** **RGE** Other Services
29 **30S** **31W** **MDN/MPD** **MML**
API Number **15-081-21953**
Permit Number

Permanent Datum G.L., Elevation 2841 feet
Log Measured From K.B. @ 13 FEET above Permanent Datum
Drilling Measured From K.B.

Elevations: feet
KB 2854.00
DF 2852.00
GL 2841.00

Date	27-JUL-2011
Run Number	ONE
Depth Driller	4825.00 feet
Depth Logger	4821.00 feet
First Reading	4818.00 feet
Last Reading	1527.00 feet
Casing Driller	1832.00 feet
Casing Logger	1827.00 feet
Bit Size	7.875 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.30 lb/USg 49.00 CP
PH / Fluid Loss	9.50 8.80 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	0.79 @ 93.0 ohm-m
Rmf @ Measured Temp	0.63 @ 93.0 ohm-m
Rmc @ Measured Temp	0.95 @ 93.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.62 @ 118.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	118.00 deg F
Equipment Name	COMPACT
Equipment / Base	13057 LIB
Recorded By	L. SCOTT
Witnessed By	TIM PRIEST
S.O.# / JOB#	3531111 LB11-179

BOREHOLE RECORD Last Edited: 27-JUL-2011 19:22

Bit Size inches	Depth From feet	Depth To feet
7.875	1827.00	4821.00

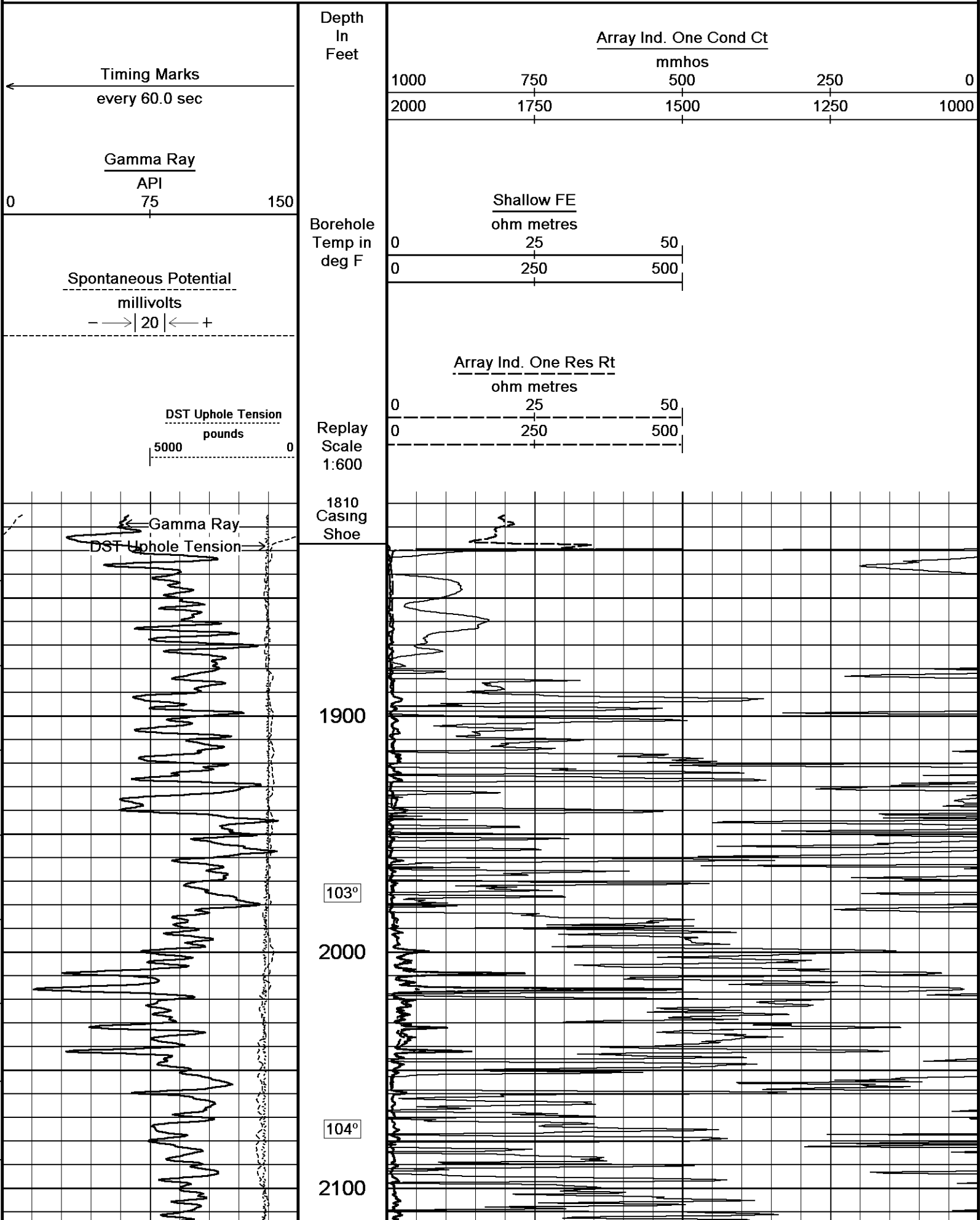
CASING RECORD

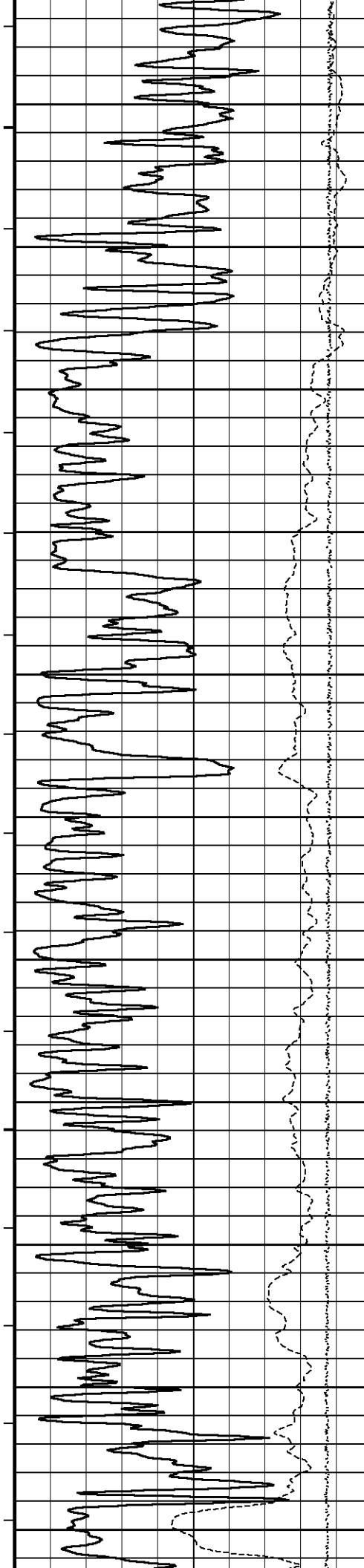
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1827.00	24.00

REMARKS

Tools Ran: MCG, MML, MDN, MPD, SKJ, MFE, MAI.
Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE and MAI 0.5 inch standoffs used.
2.71 g/cc Limestone Density Matrix used to calculate porosity.
All intervals logged and scaled per customer's request.
Annular volume with 4.5 inch production casing =323 cu. ft.
Service order #3531111
Rig: Sterling #5
Engineer: L. Scott
Operator(s): M. Stegman

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.





105°

2200

105°

2300

104°

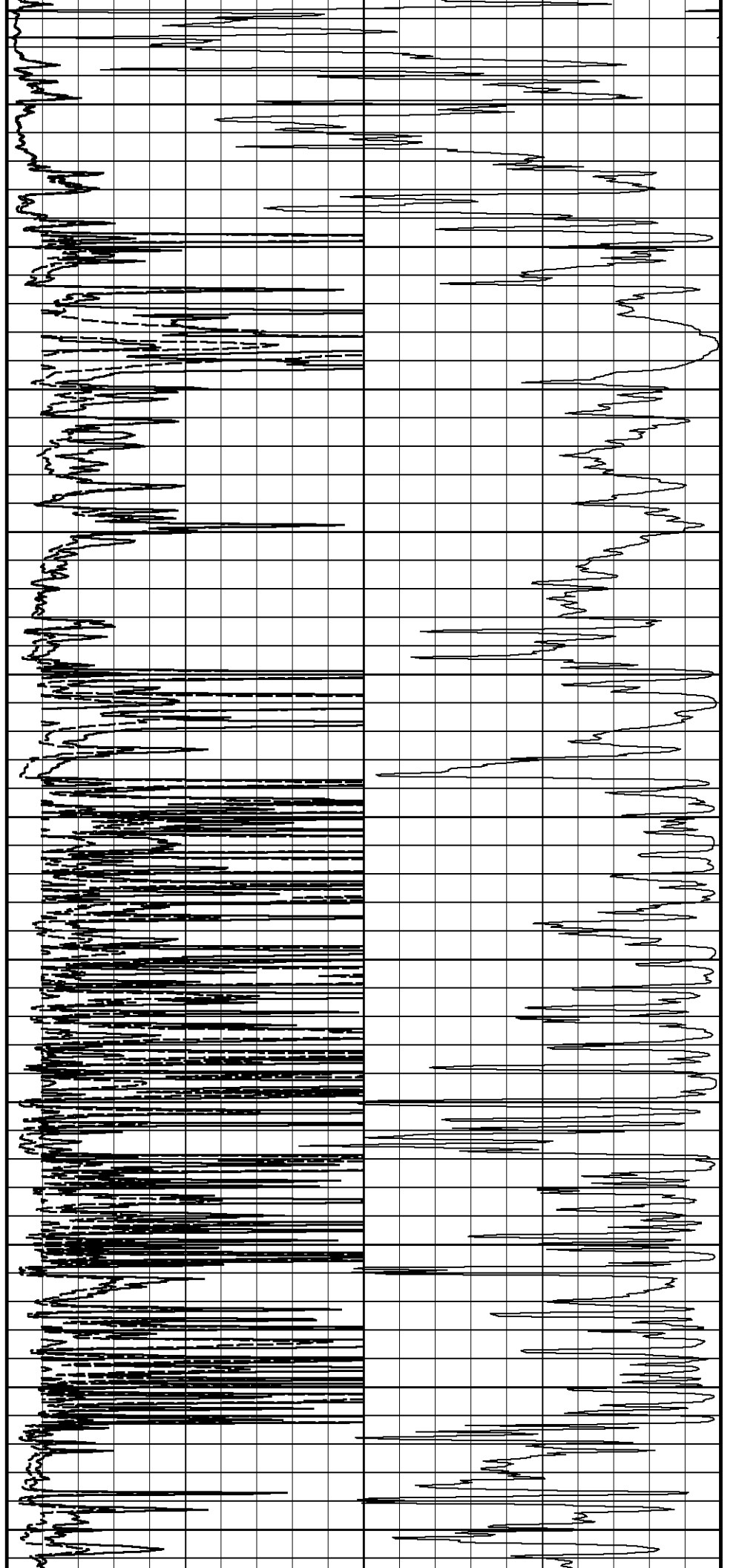
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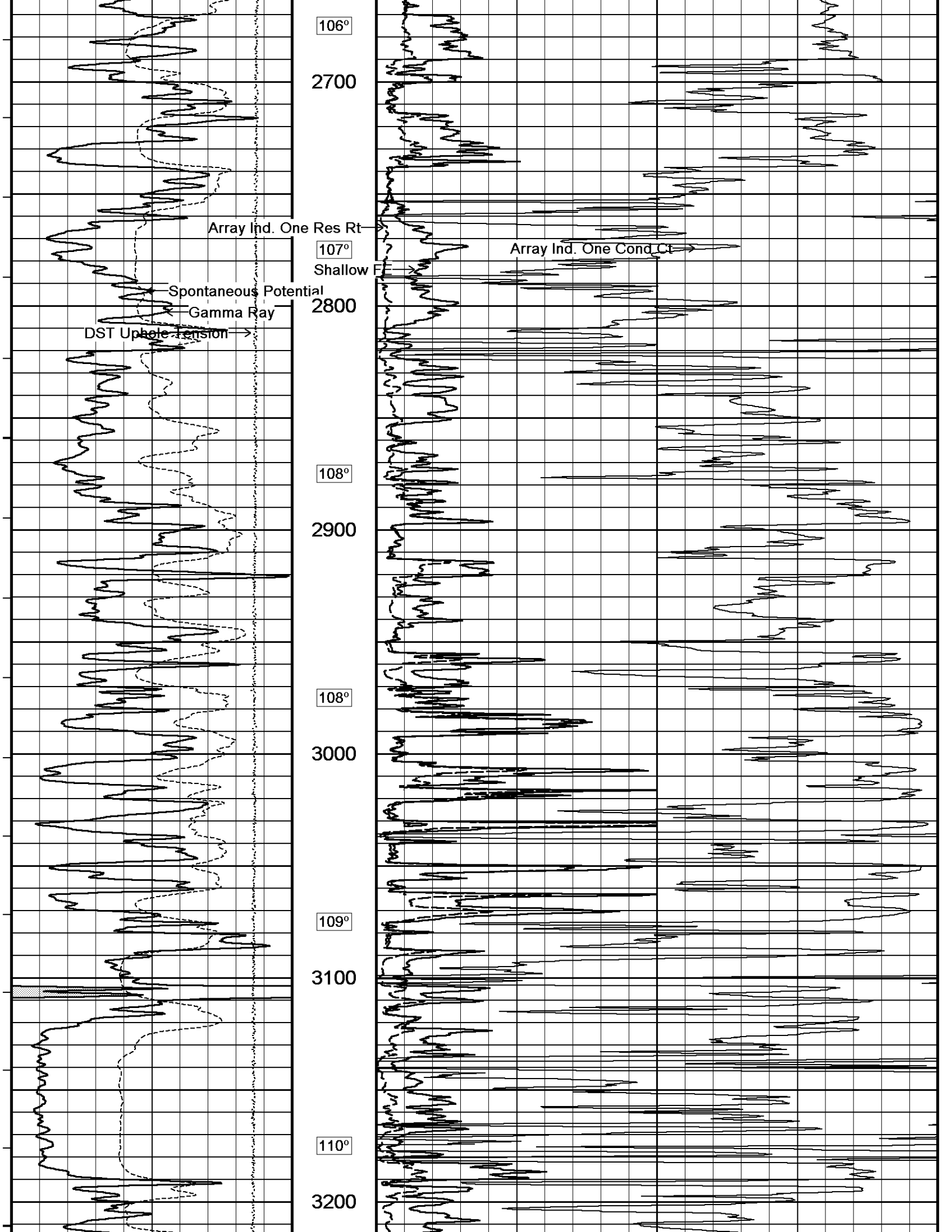
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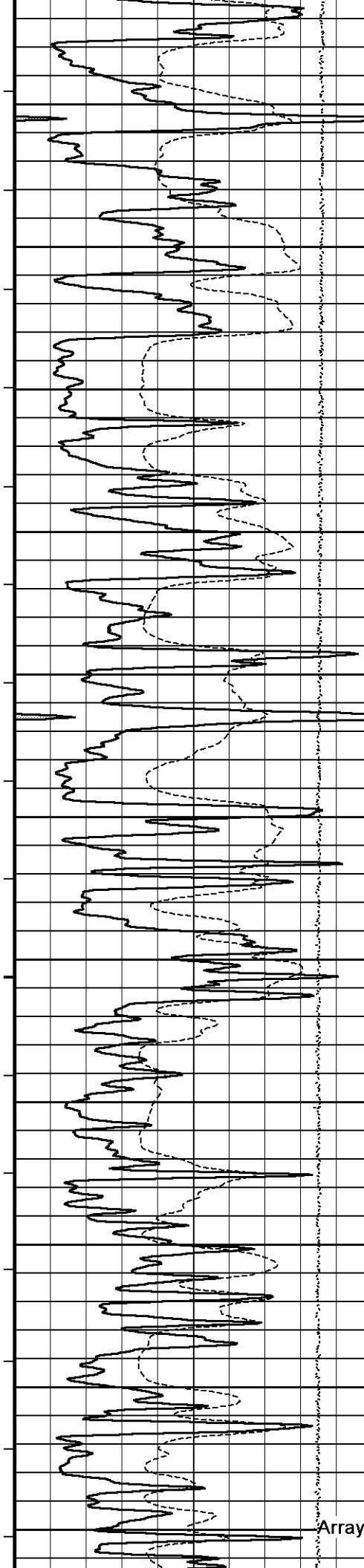
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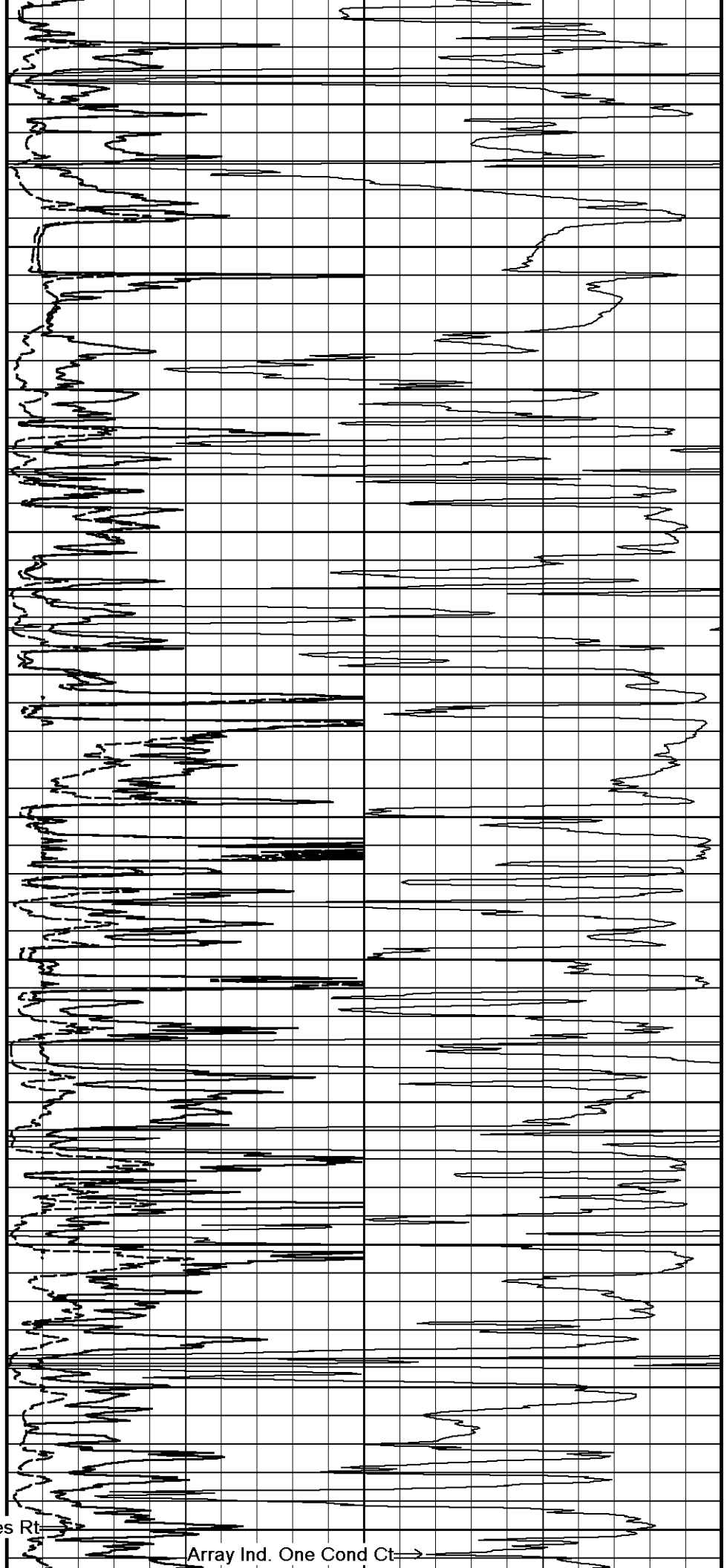
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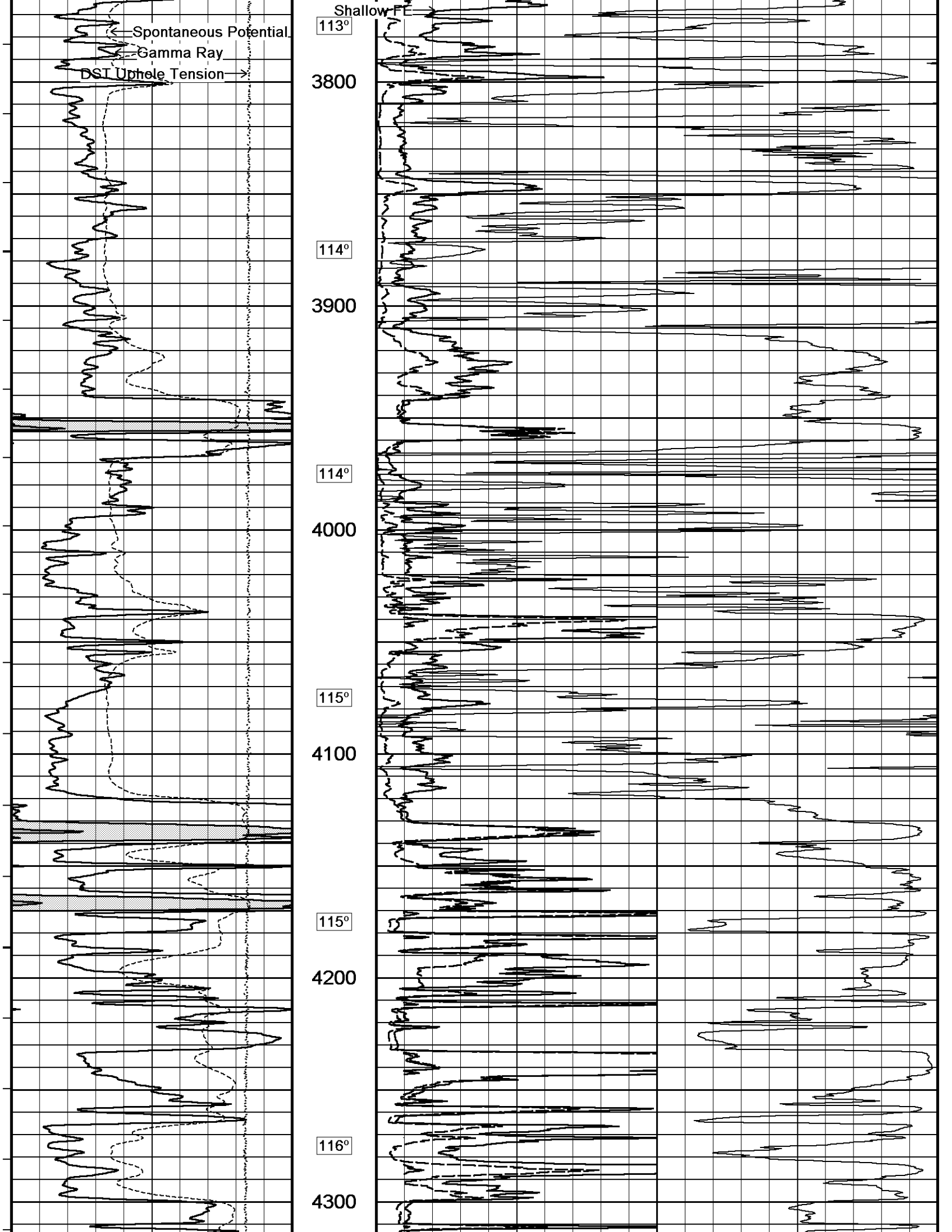


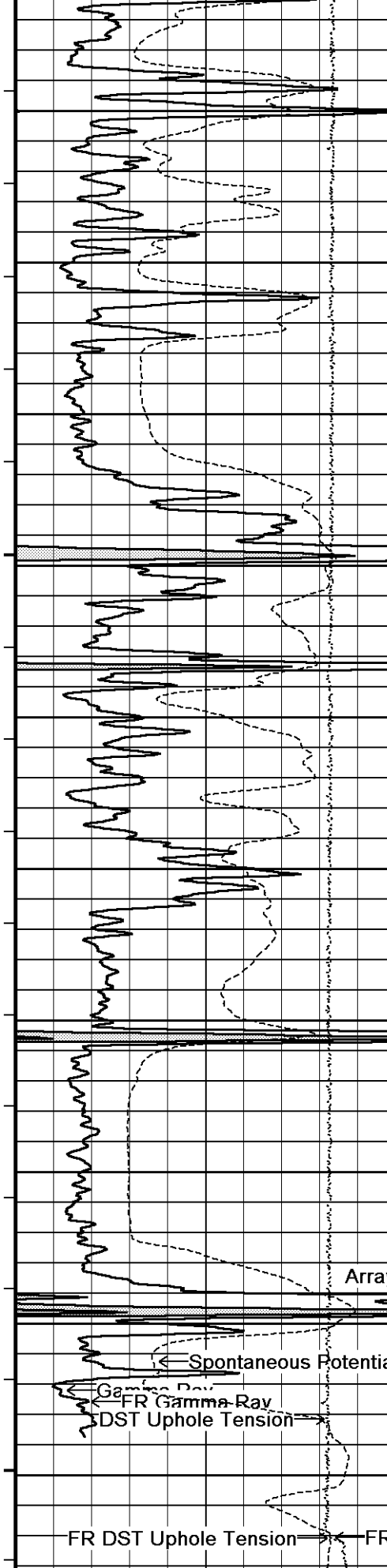
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3300
111°
3400
111°
3500
112°
3600
113°
3700



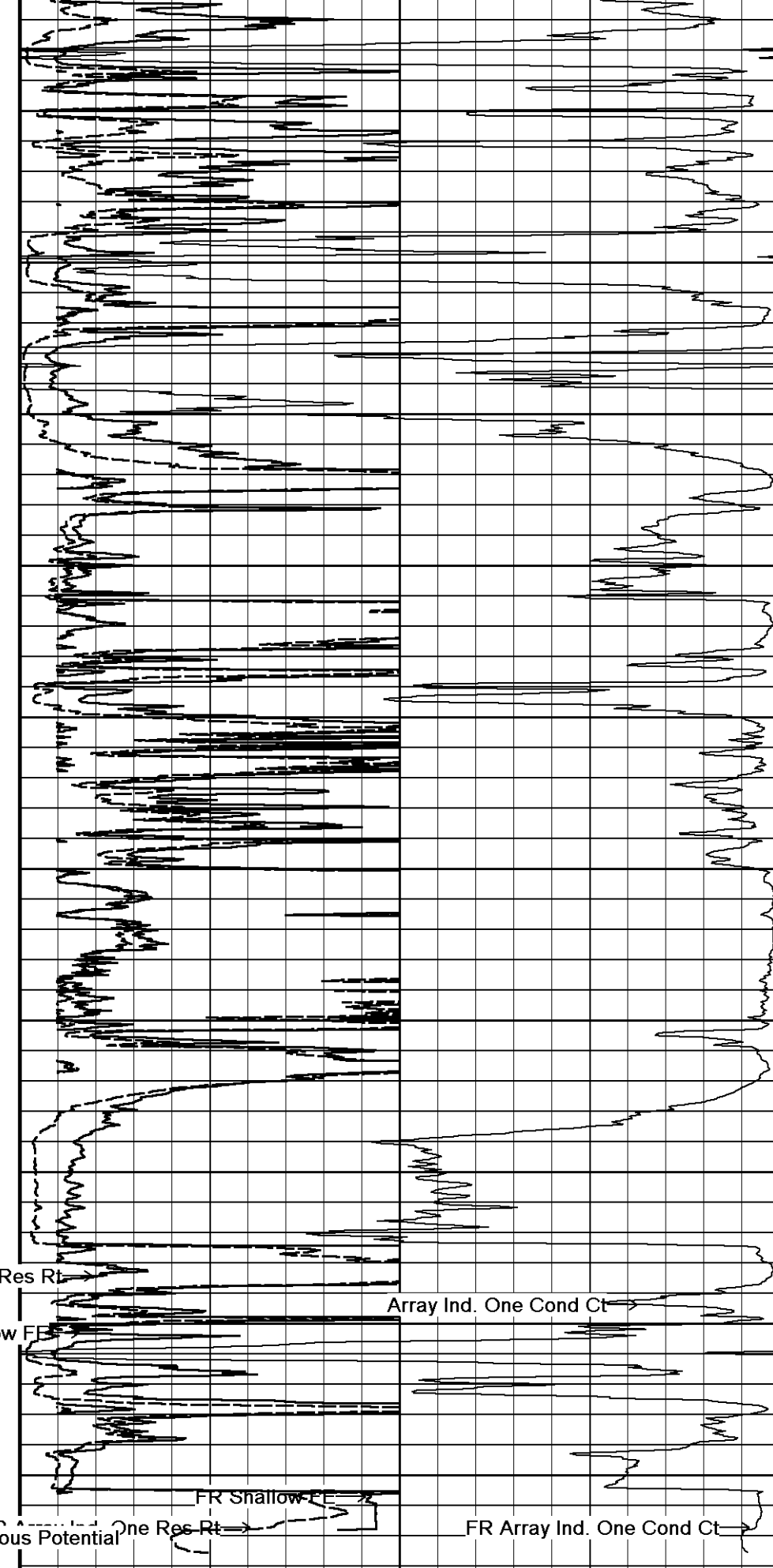
Array Ind. One Res Rt

Array Ind. One Cond Ct →

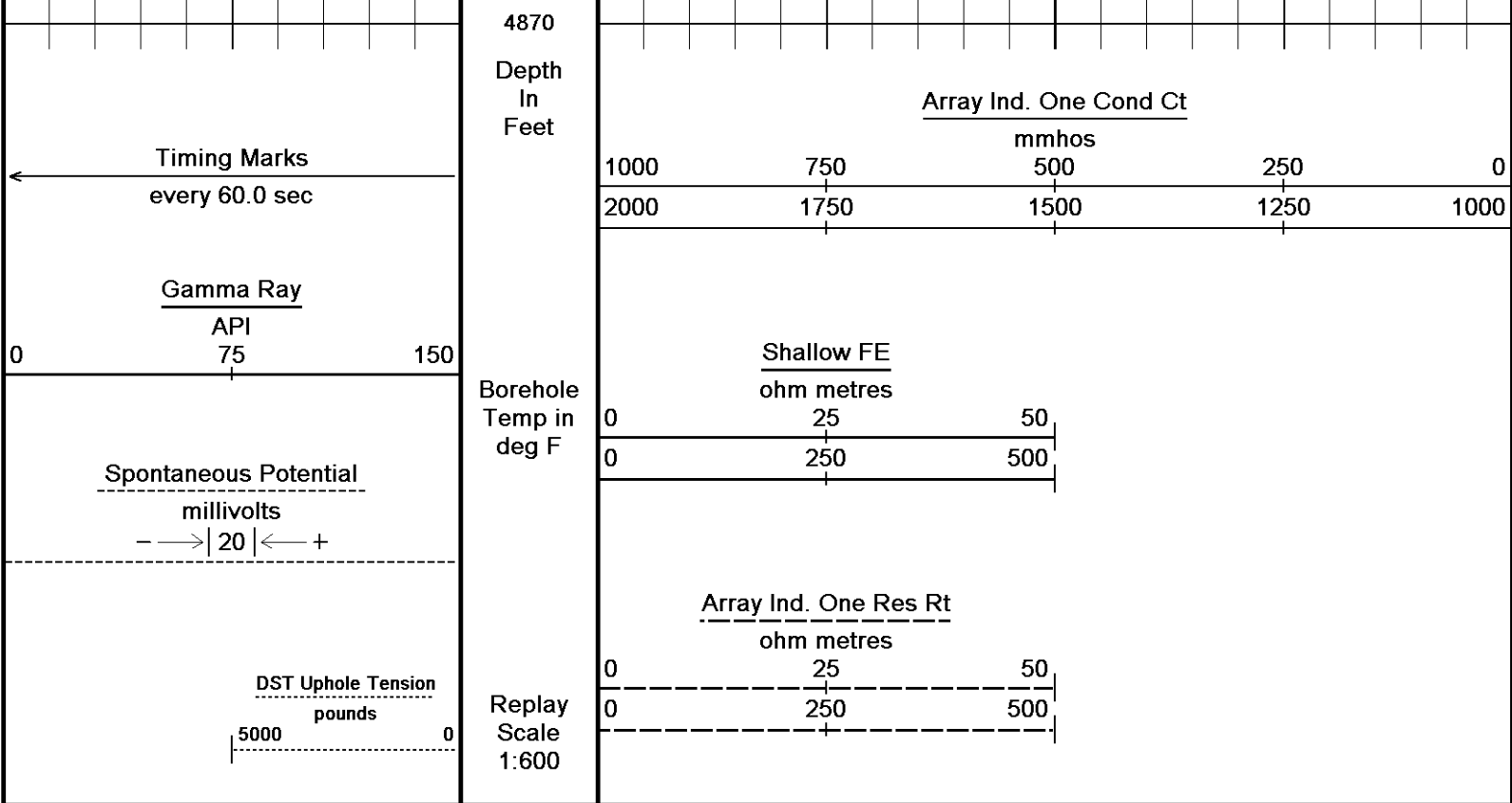




117°
4400
117°
4500
118°
4600
118°
4700
118°
4800



Array Ind. One Res Rt →
Shallow FR →
← Spontaneous Potential
← Gamma Ray
← FR Gamma Ray
← DST Uphole Tension
FR DST Uphole Tension ←
FR Spontaneous Potential ←
FR Array Ind. One Res Rt →
FR Shallow FR →
Array Ind. One Cond Ct →
FR Array Ind. One Cond Ct →

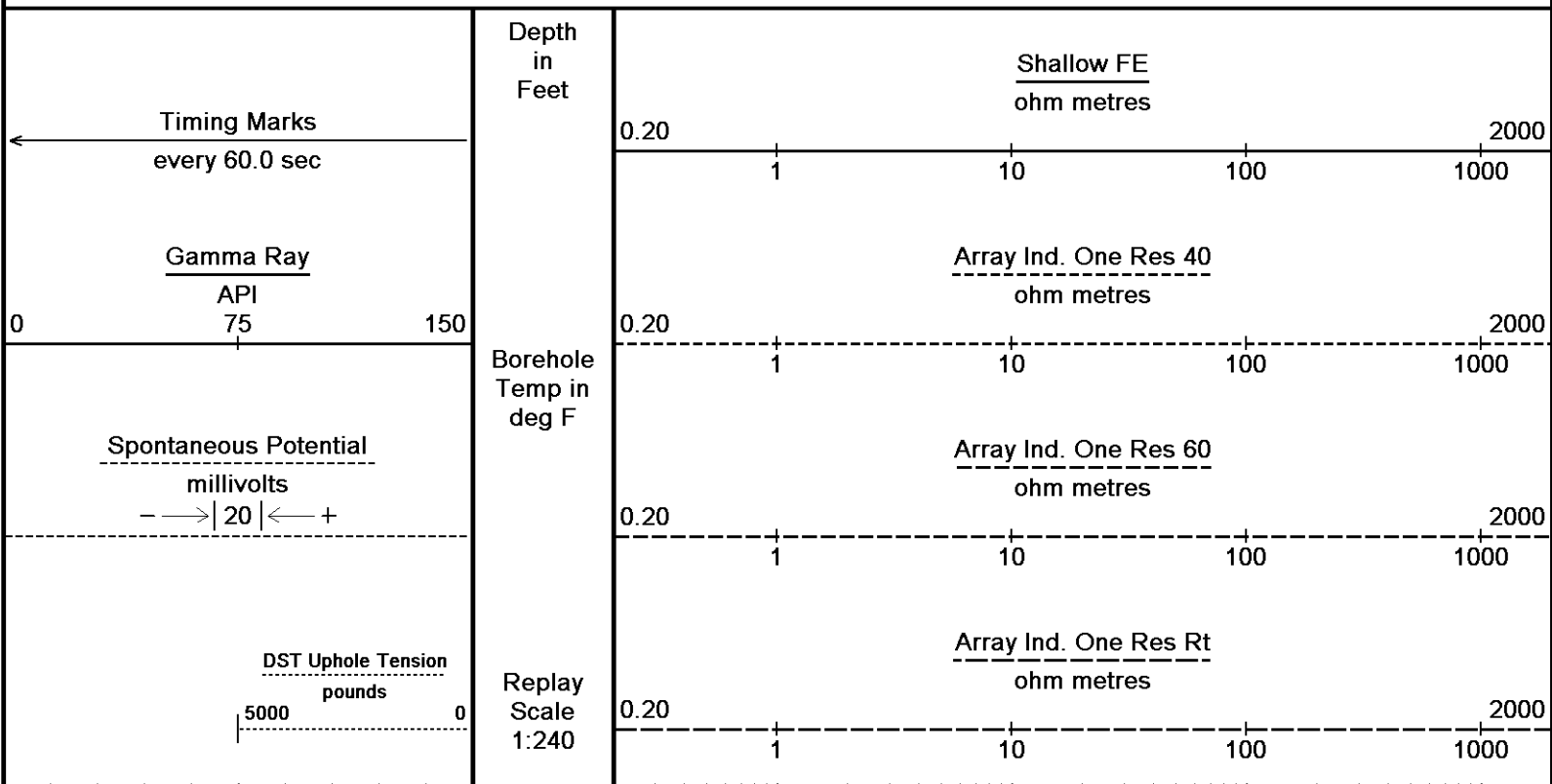


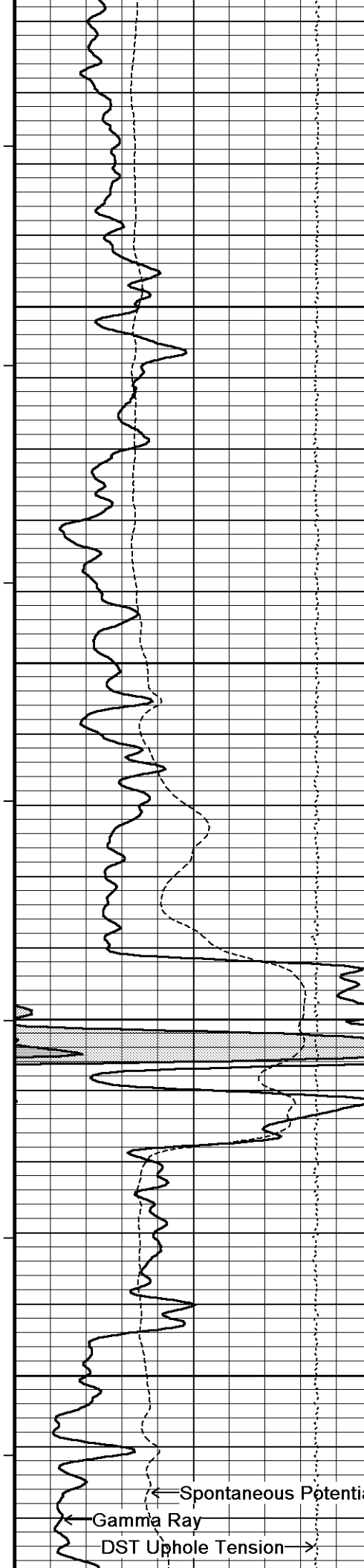
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 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

↑ **2 INCH MAIN PASS** ↑

↓ **5 INCH MAIN PASS** ↓

Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 27-JUL-2011 20:16
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 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186





114°

3850

114°

3900

114°

3950

114°

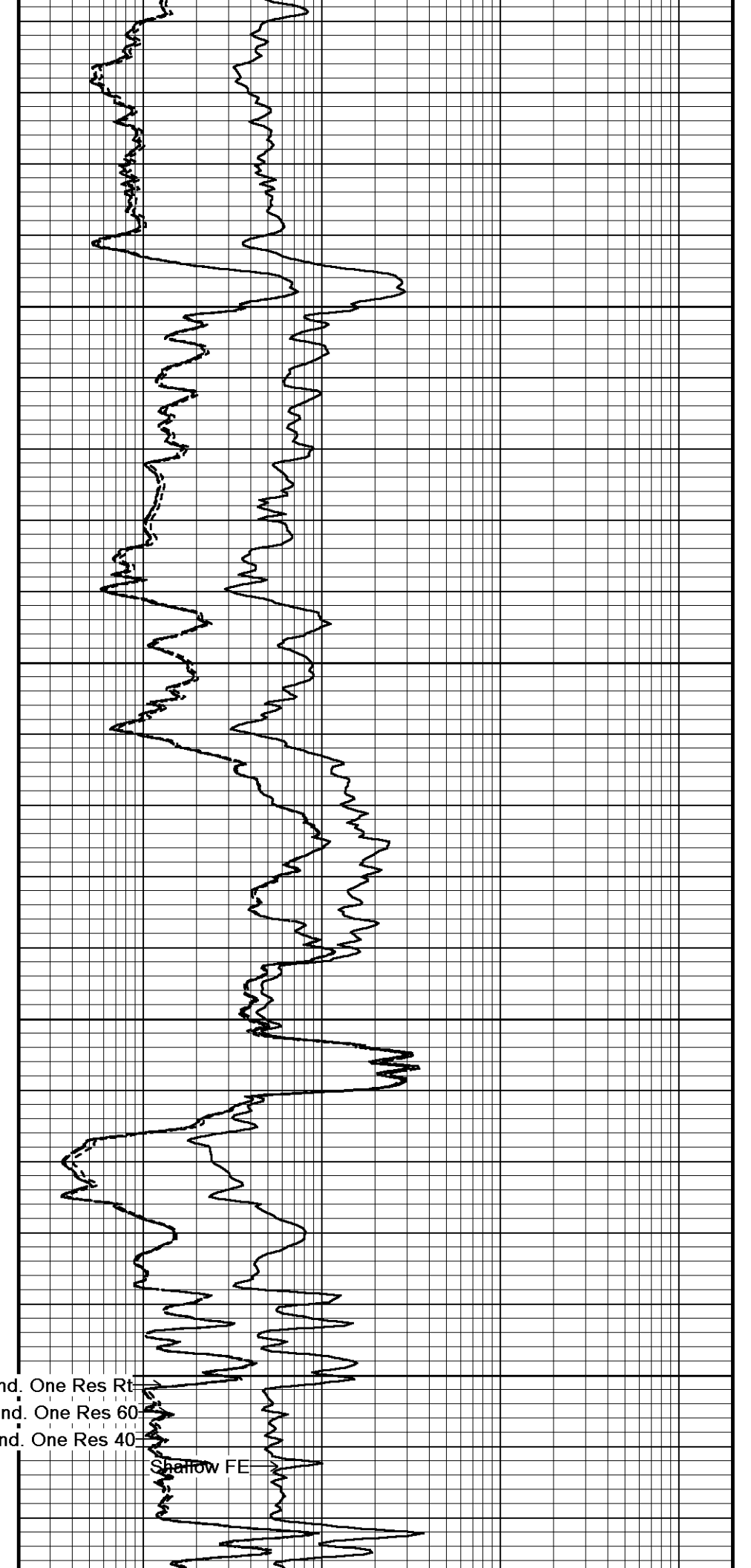
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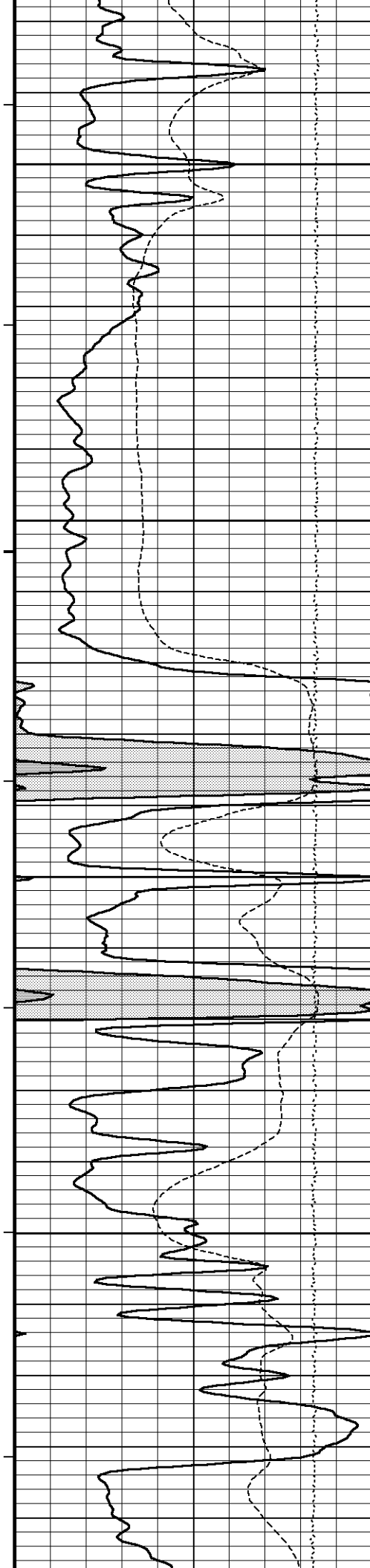
Ind. One Res Rt
Array Ind. One Res 60
Array Ind. One Res 40
Shallow FE

← Spontaneous Potential

← Gamma Ray

DST Uphole Tension →





115°

4050

115°

4100

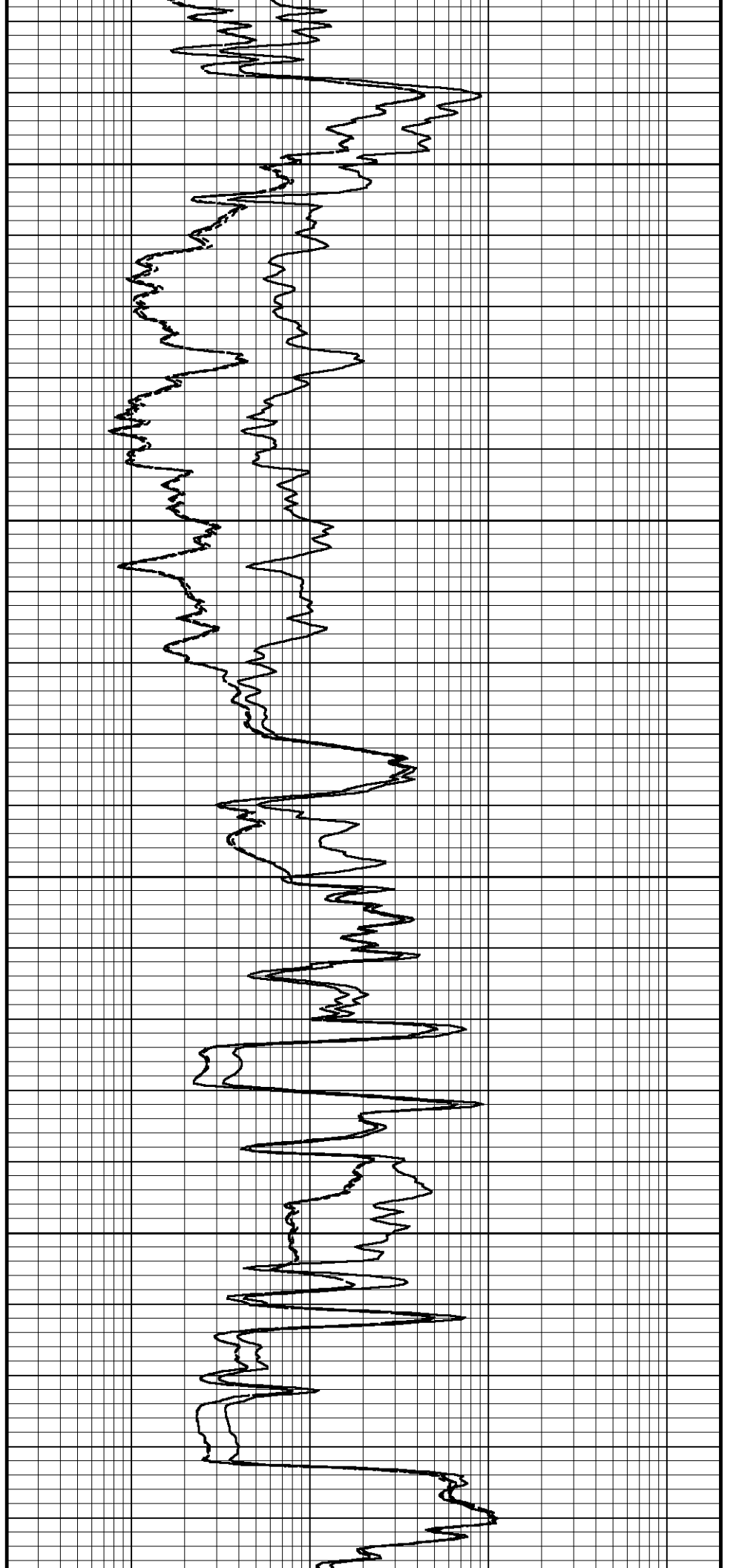
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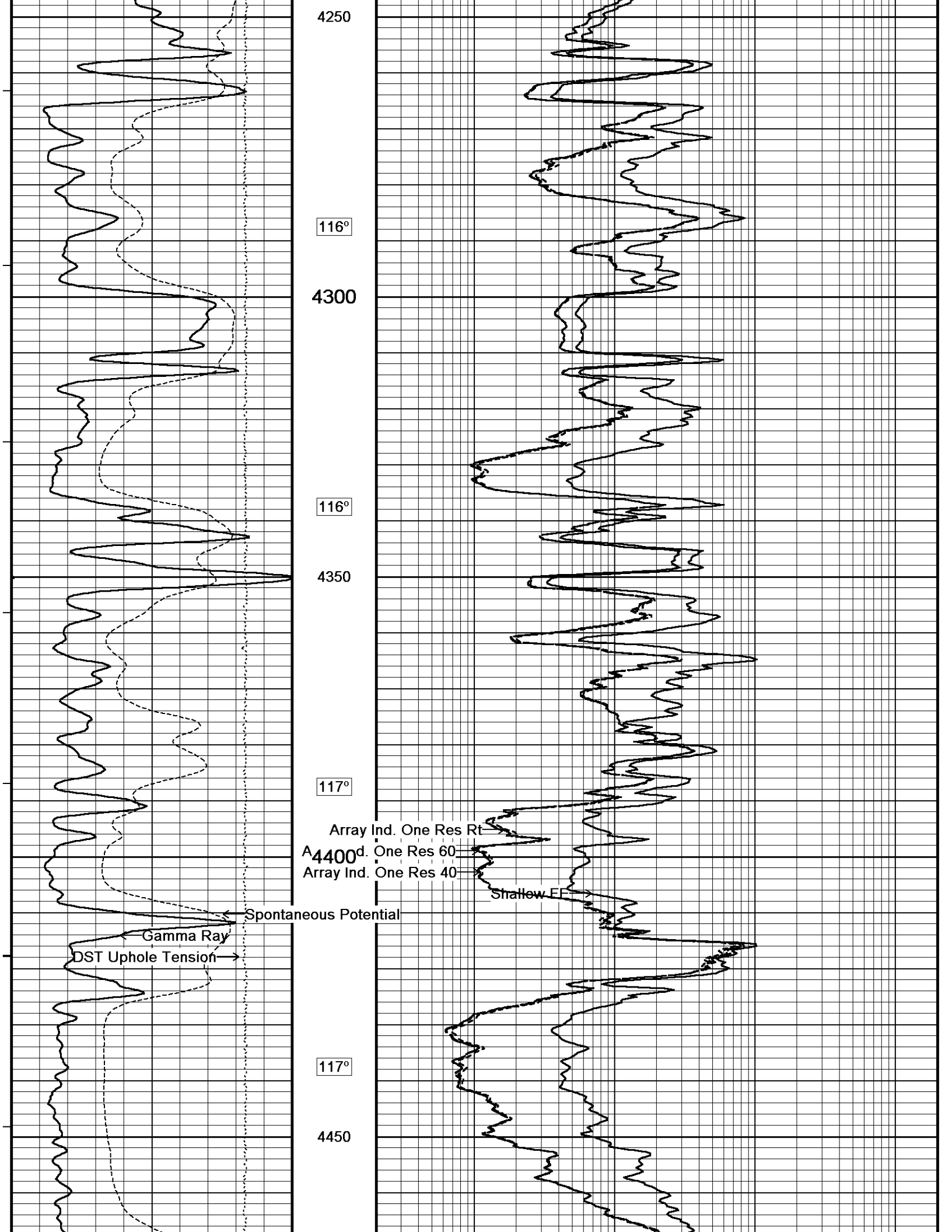
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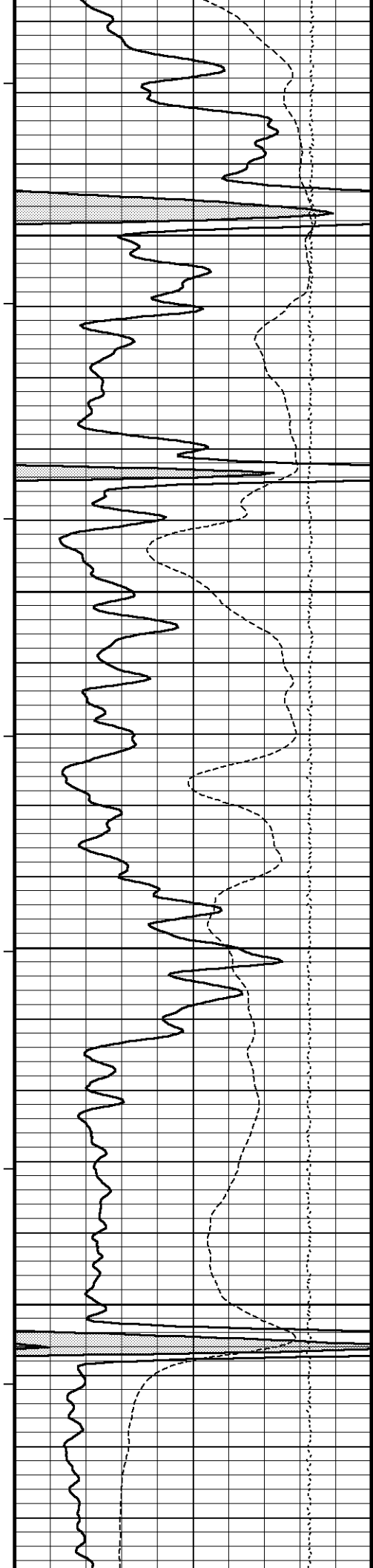
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4200

116°







117°

4500

117°

4550

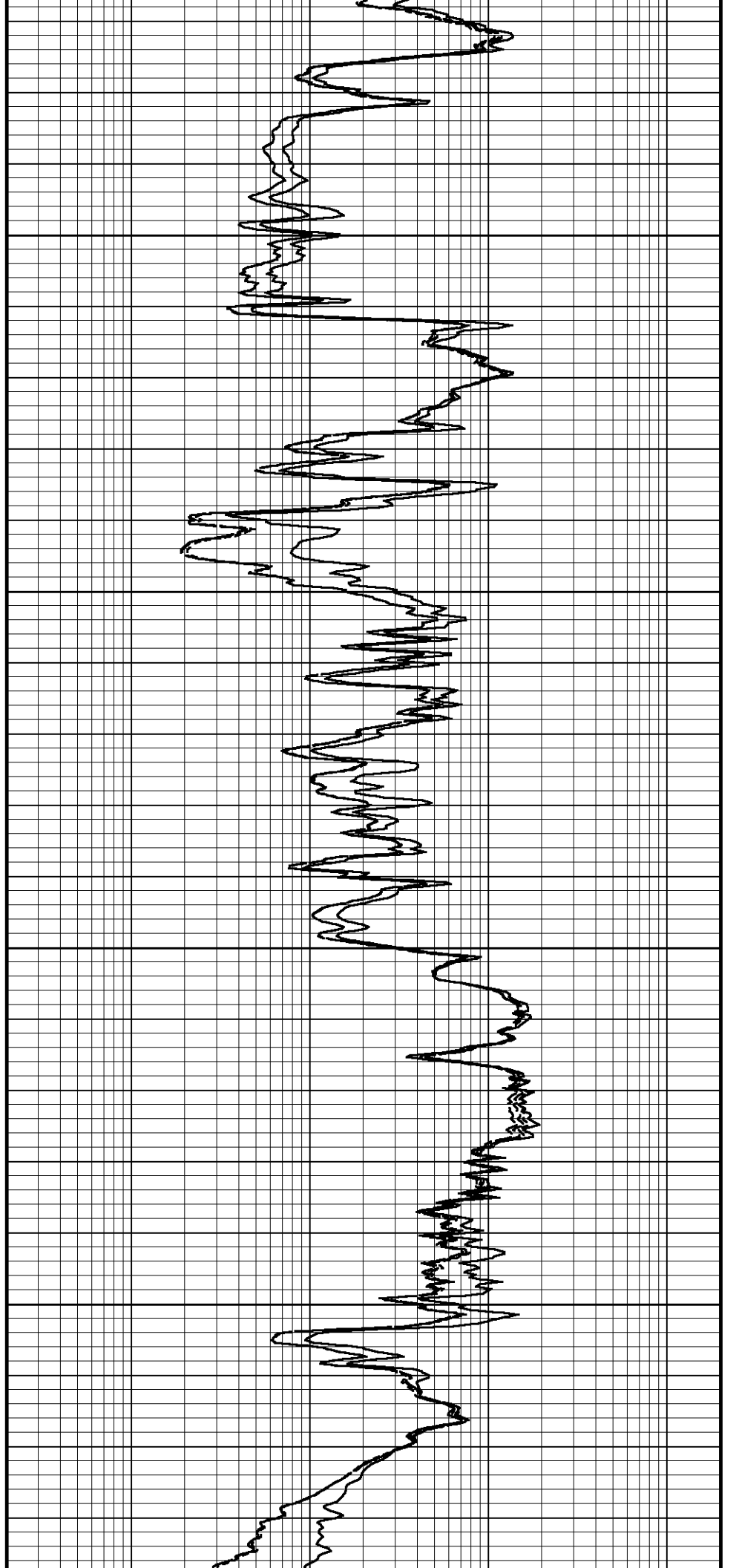
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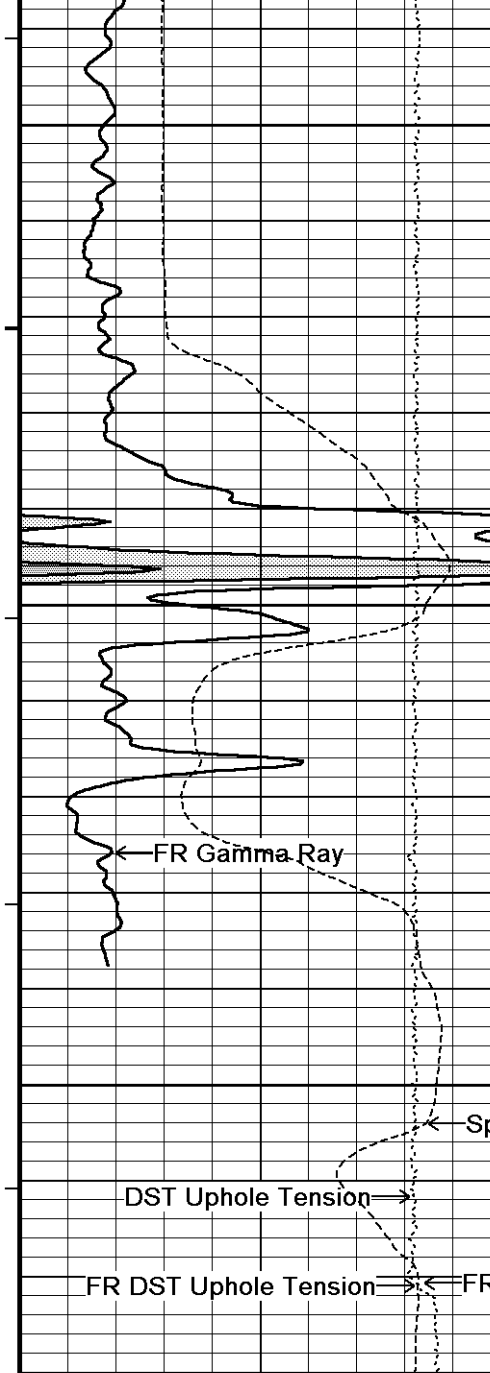
4600

118°

4650

118°





118°

4700

118°

4750

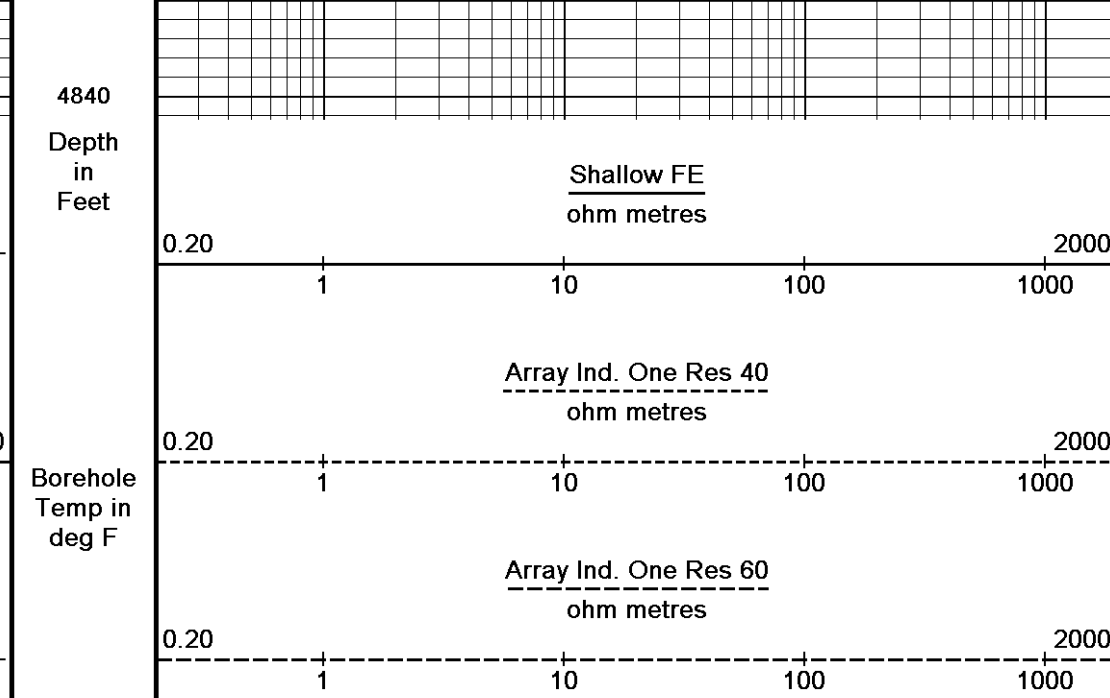
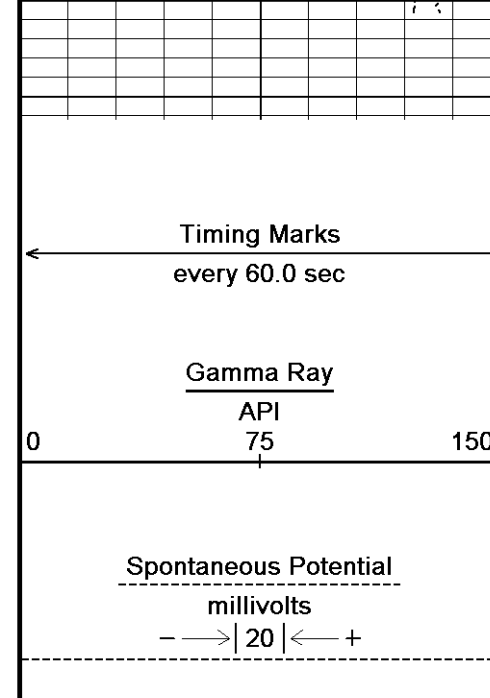
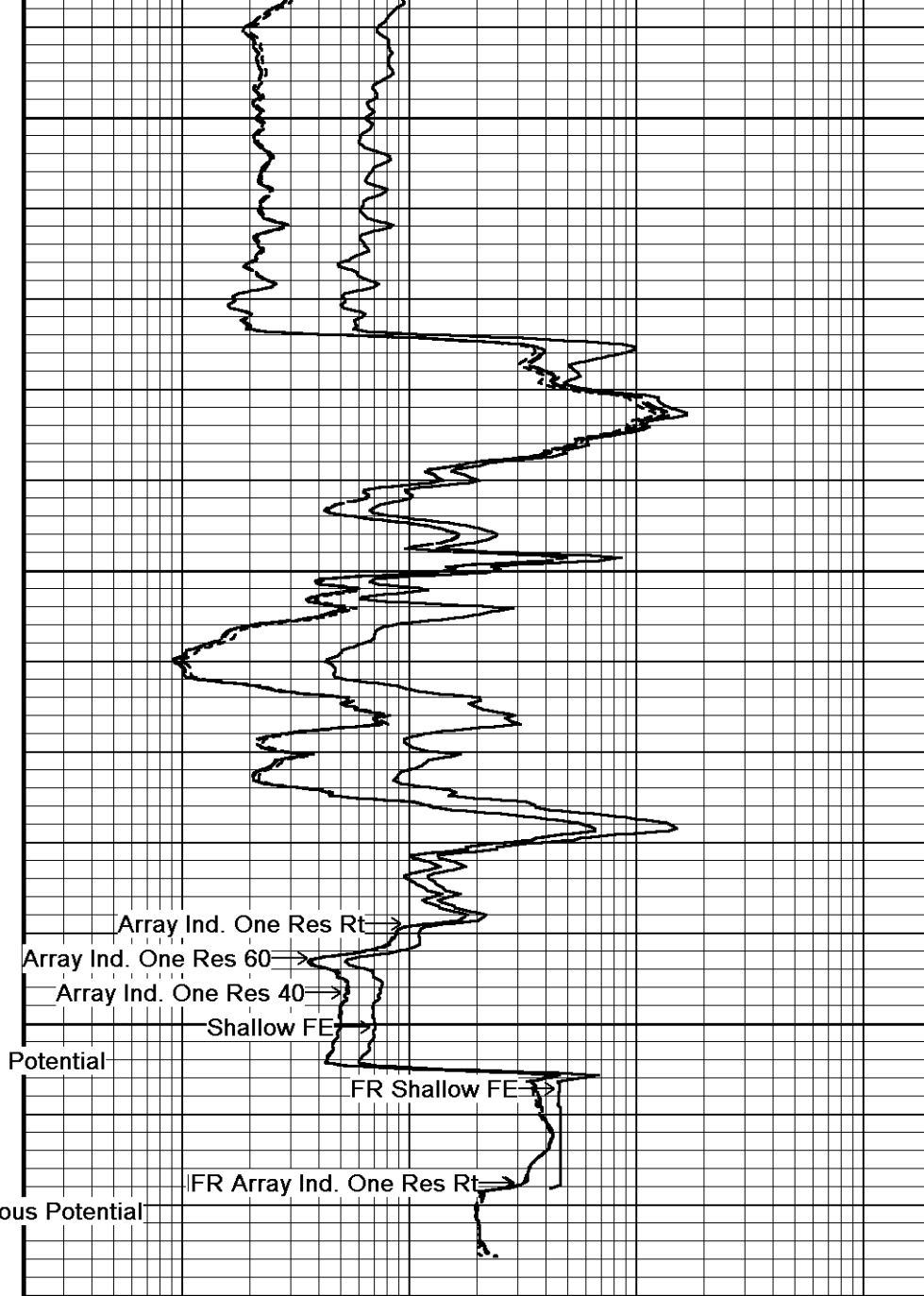
118°

4800

4840

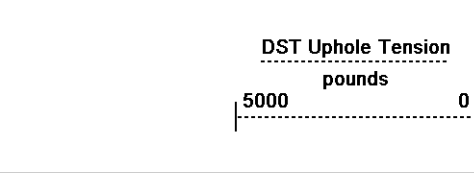
Depth in Feet

Borehole Temp in deg F

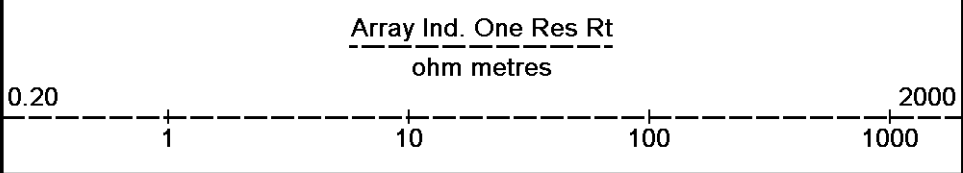


Spontaneous Potential millivolts

--> | 20 | <-- +



Replay
Scale
1:240

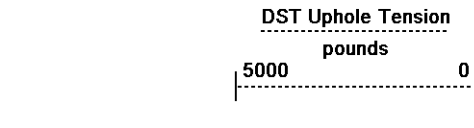
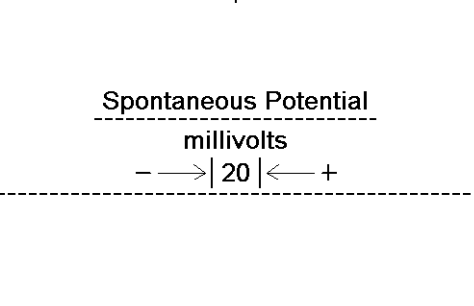
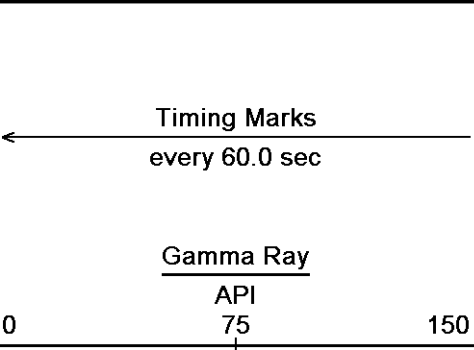


Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 27-JUL-2011 20:16
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_002.dta
 Recorded on 27-JUL-2011 18:36
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

↑ 5 INCH MAIN PASS ↑

↓ 5 INCH REPEAT PASS ↓

Depth Based Data - Maximum Sampling Increment 10.0cm
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 Recorded on 27-JUL-2011 18:17
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186



Depth
in
Feet

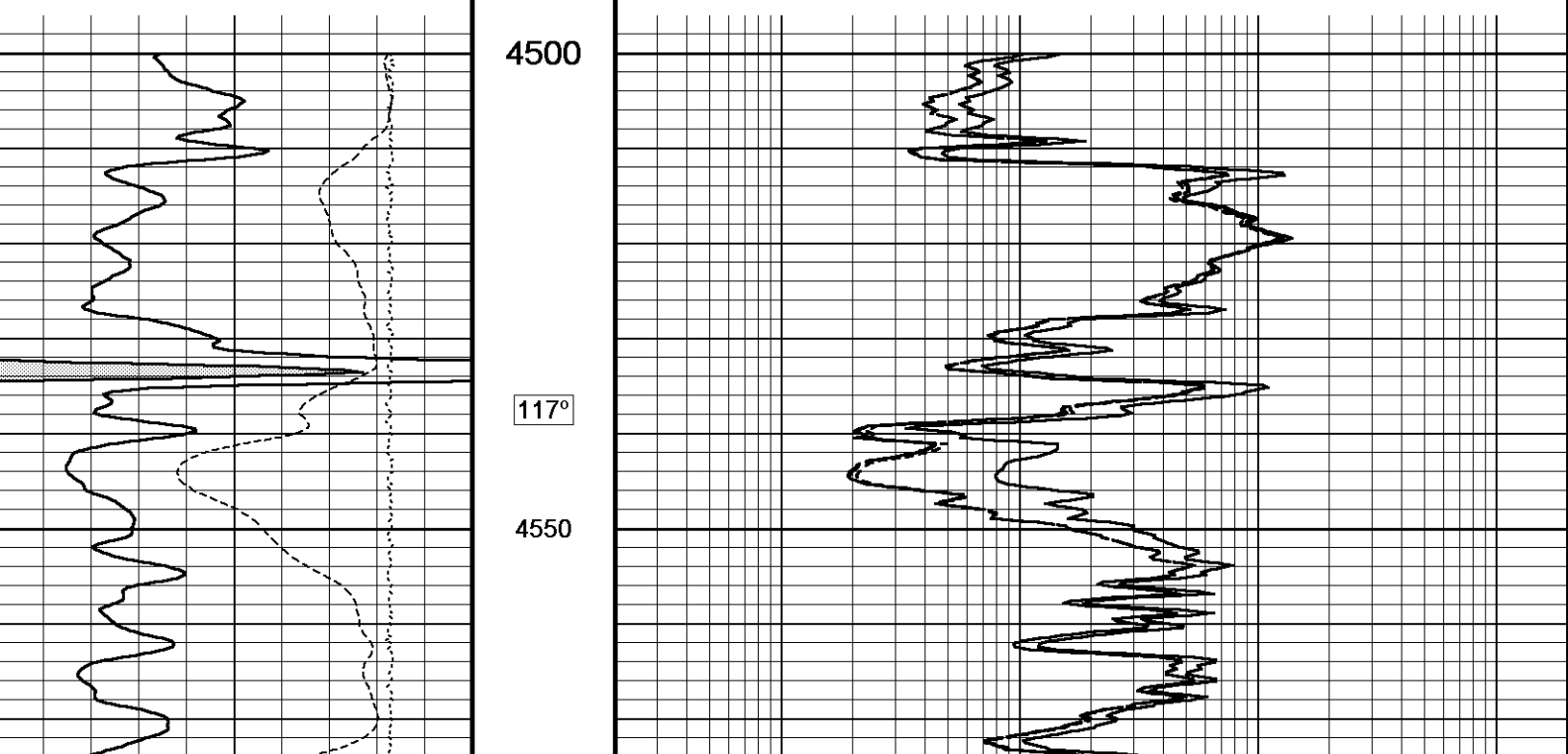
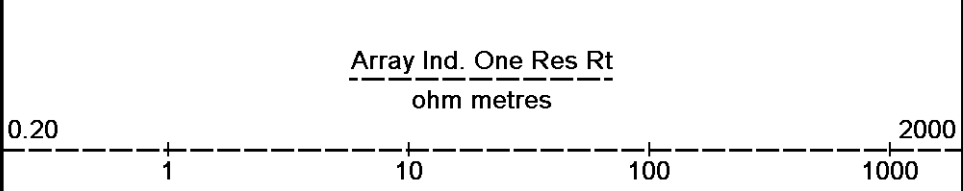
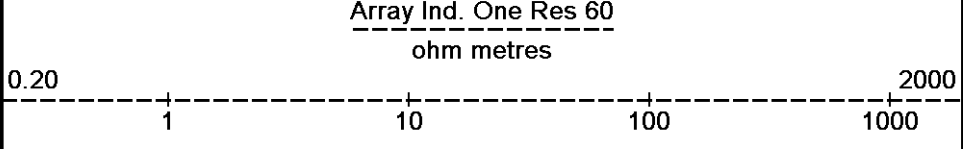
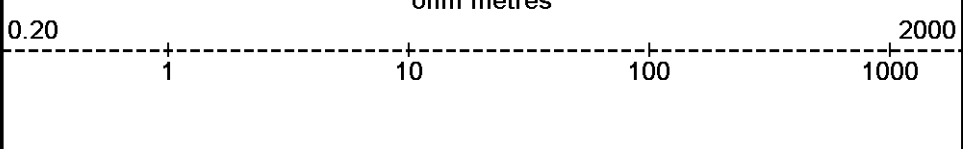
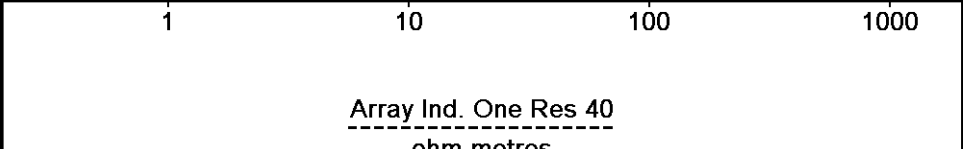
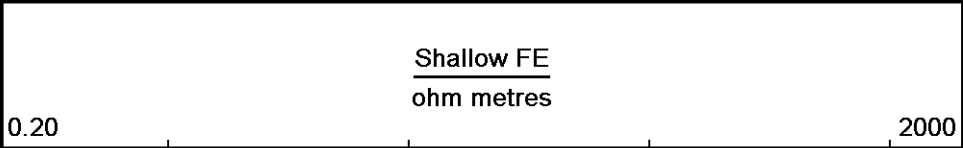
Borehole
Temp in
deg F

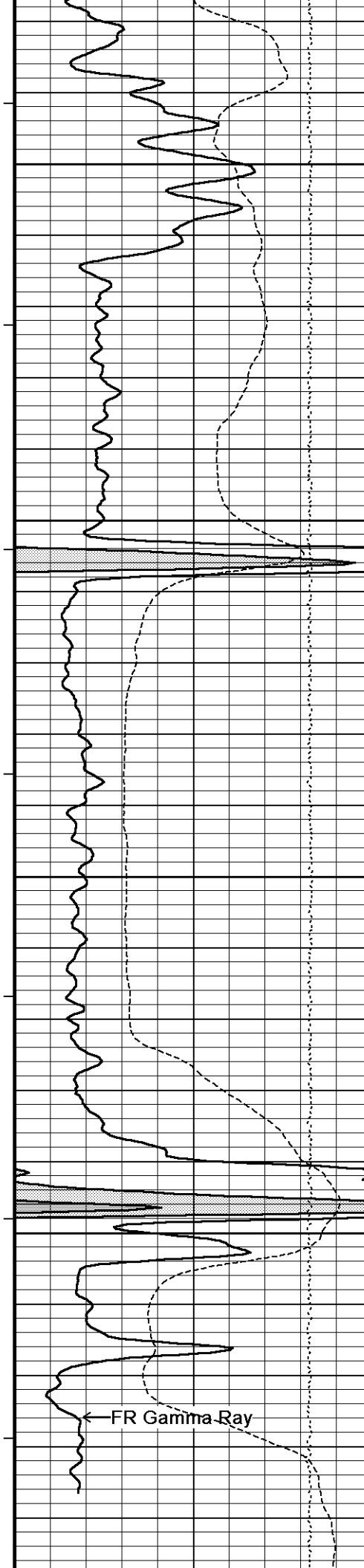
Replay
Scale
1:240

4500

117°

4550





117°

4600

117°

4650

118°

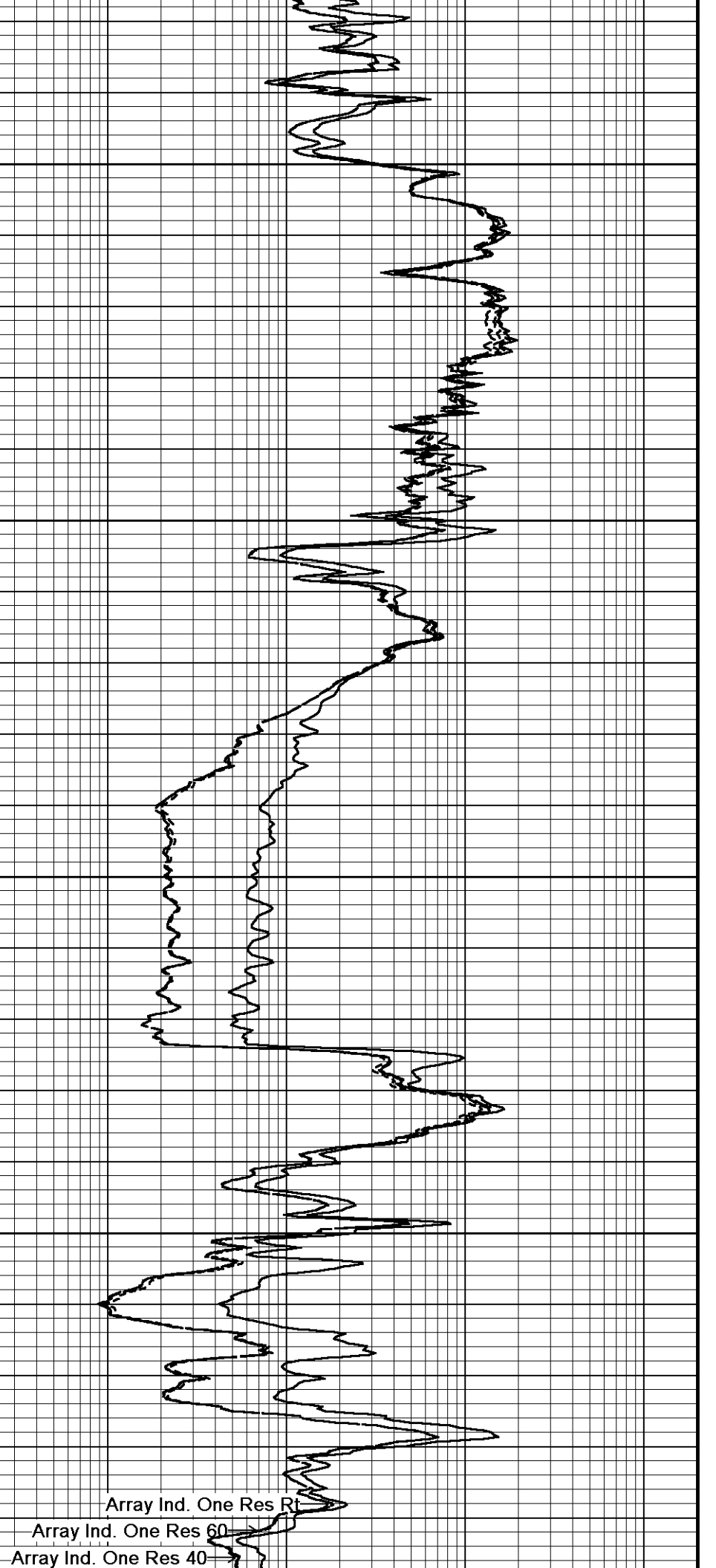
4700

118°

4750

117°

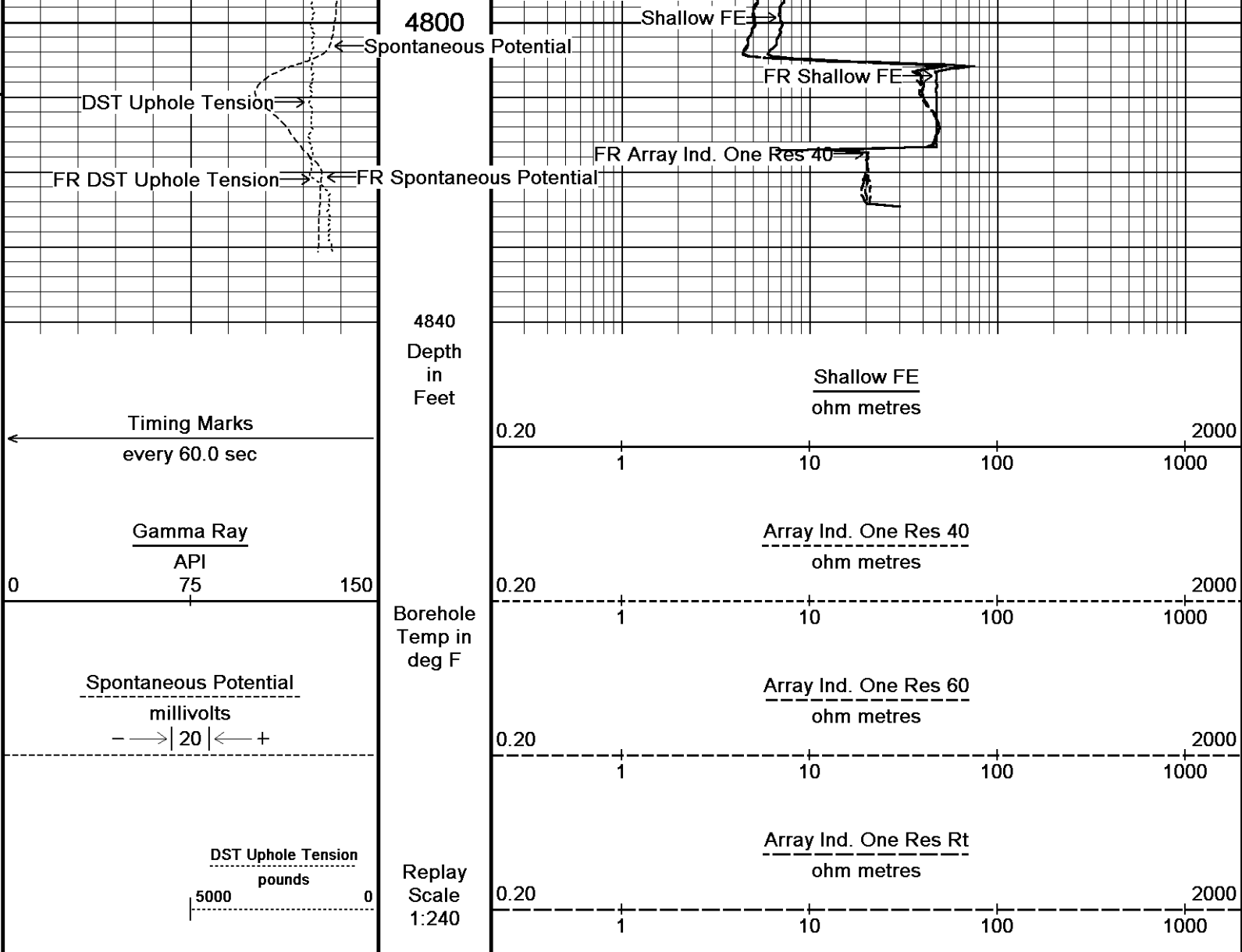
← FR Gamma Ray



Array Ind. One Res R1

Array Ind. One Res 60

Array Ind. One Res 40



Depth Based Data - Maximum Sampling Increment 10.0cm Plotted on 27-JUL-2011 20:16
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta Recorded on 27-JUL-2011 18:17
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

↑ 5 INCH REPEAT PASS ↑

BEFORE SURVEY CALIBRATION

C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

General Constants All 000

Last Edited on 27-JUL-2011,16:52

General Parameters

Mud Resistivity	0.790	ohm-metres
Mud Resistivity Temperature	93.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Array Ind. One Res Rt
RWA Constant A	1.000

Down-hole Tension Calibration SMS 0

Field Calibration on 05-JUN-2011 04:37

Reading No	Measured	Calibrated (lbs)
1	13499.89	0.00
2	14983.70	496.00

High Resolution Temperature Calibration MCG-B 34

Field Calibration on 05-MAR-2011,23:56

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG-B 34

Last Edited on

Pre-filter Length	11
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SP Calibration MCG-B 34

Field Calibration on 11-JUL-2011 12:13

	Measured	Calibrated (mV)
Reference 1	106.9	100.0
Reference 2	-94.7	-100.0

Gamma Calibration MCG-B 34

Field Calibration on 27-JUL-2011 14:31

	Measured	Calibrated (API)
Background	70	48
Calibrator (Gross)	1122	773
Calibrator (Net)	1053	725

Gamma Constants MCG-B 34

Last Edited on 21-JUL-2011,08:57

Gamma Calibrator Number	grc38	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 16-MAY-2011 09:23

Field Check on 27-JUL-2011 14:16

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.1	60.1	2.6	12.8
Micro Inverse	15.6	78.3	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.2	32.2
Micro Inverse	16.3	16.3

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 19-JUL-2011,11:17

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159
Micro Normal K Factor	0.5110
Micro Inverse K Factor	0.3380
Standoff Offset	N/A inches

Caliper Calibration MML-A 4

Base Calibration on 16-MAY-2011 09:38

Field Calibration on 27-JUL-2011 14:15

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14953	5.98
2	18280	7.97
3	21656	9.86
4	25588	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.03	5.98

Neutron Calibration MDN-A.B 65

Base Calibration on 02-JUL-2011 23:27

Field Check on 27-JUL-2011 14:37

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
Ratio	3269	103	3714	110
	31.795		33.764	

Field Calibrator at Base

	Calibrated (cps)
Ratio	1562 / 2227
	0.701

Field Check

	Calibrated (cps)
Ratio	1562 / 2257
	0.692

Neutron Constants MDN-A.B 65

Last Edited on 27-JUL-2011,16:52

Neutron Source Id	757	
Neutron Jig Number	5824NE	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 55

Base Calibration on 21-JUN-2011 10:19

Field Check on 27-JUL-2011 14:13

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	953.6	126.8
Base Check		281.3
Field Check		281.2

FE Constants MFE-A.A 55

Last Edited on 27-JUL-2011,14:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

High Resolution Temperature Calibration MAI-A.A 45

Field Calibration on 13-AUG-2010,13:31

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-A.A 45

Last Edited on

Pre-filter Length	11
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Induction Calibration MAI-A.A 45

Base Calibration on 13-AUG-2010,13:32

Field Check on 27-JUL-2011 14:49

Base Calibration

Test Loop Calibration Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	14.5	473.5	9.3	966.2
2	5.2	373.4	7.6	821.4
3	2.8	260.6	5.2	566.0

3 2.8 200.0 3.2 300.0
 4 1.6 132.2 2.6 279.2

Array Temperature 86.2 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	20.4	3847.5
2	0.0	0.0	33.4	3633.0
3	0.0	0.0	30.3	3051.2
4	0.0	0.0	20.6	2094.3
Deep	0.0	0.0	18.2	1920.9
Medium	0.0	0.0	43.5	4052.1
Shallow	0.0	0.0	50.8	5477.8
Array Temperature	0.0		97.4	Deg F

Induction Constants MAI-A.A 45

Last Edited on 27-JUL-2011,14:51

Induction Model	RtAP-WBM		
Caliper for Borehole Corr.	Density Caliper		
Hole Size for Borehole Correction	N/A	inches	
Tool Centred	No		
Stand-off Type	Fins		
Stand-off	0.50	inches	
Number of Fins on Stand-off	8.0000		
Stand-off Fin Angle	45.00	degrees	
Stand-off Fin Width	0.5000	inches	
Borehole Corr. Rm Source	Temperature Corr		
Temp. for Rm Corr.	MCG External Temperature		
Squasher Start	0.0020	mhos/metre	
Squasher Offset	N/A		
Borehole Normalisation			
DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

Caliper Calibration MPD-B 31

Base Calibration on 21-JUL-2011 08:22
 Field Calibration on 27-JUL-2011 14:24

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16370	3.99
2	25015	5.98
3	33579	7.97
4	41872	9.86
5	51168	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.92	5.98

Density Calibration Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	45837	23493	59556	30836
Reference 2	18956	1961	24941	2541
Field Check at Base	706.7	875.5		
Field Check	706.8	872.3		

PE Calibration Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	131	621		
Reference 1	19154	45718	0.422	0.371
Reference 2	5486	18861	0.294	0.272
Field Check at Base	130.9	620.8		
Field Check	130.4	620.7		

Density Constants MPD-B 31

Last Edited on 27-JUL-2011,16:52

Density Source Id	254	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.12	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Matrix Density (gm/cc)	Depth (ft)	
2.71	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	

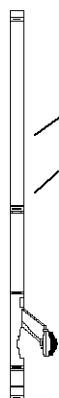
DOWNHOLE EQUIPMENT

C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

Compact Comms Gamma
MCG-B 34 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron



45.04 ft GRGC - Gamma Ray
42.13 ft CGXT - MCG External Temperature

35.41 ft MINV - Micro-inverse
35.41 ft MNRL - Micro-normal
36.40 ft MLTC - MML Caliper

33.04 ft MNRD - Limestone Neutron Bar

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

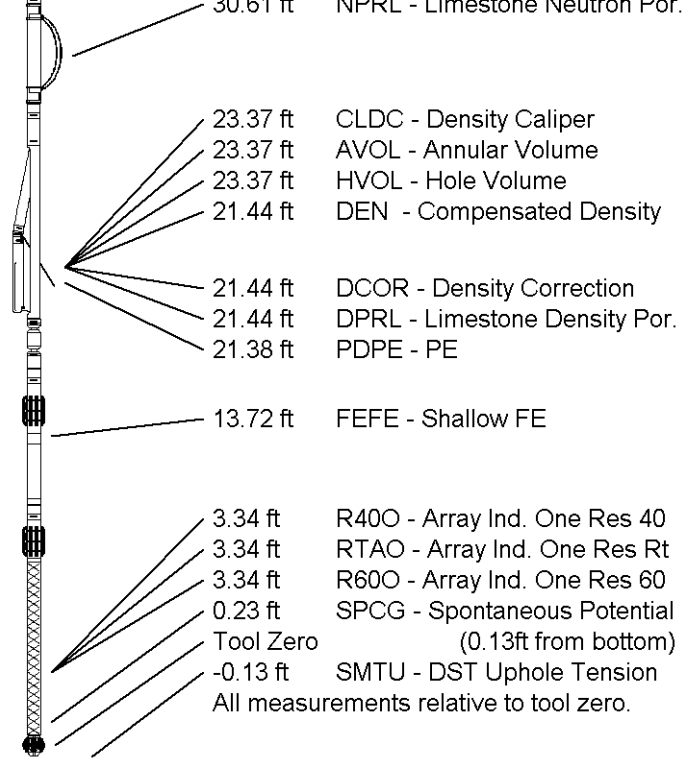
Compact Density/Caliper
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 37 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focused Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 50.32 ft Weight: 407.9 lb



CLDC - Density Caliper
AVOL - Annular Volume
HVOL - Hole Volume
DEN - Compensated Density
DCOR - Density Correction
DPRL - Limestone Density Por.
PDPE - PE
FEFE - Shallow FE
R400 - Array Ind. One Res 40
RTAO - Array Ind. One Res Rt
R600 - Array Ind. One Res 60
SPCG - Spontaneous Potential
SMTU - DST Uphole Tension

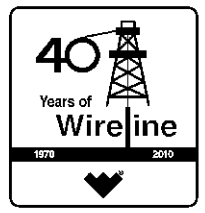
COMPANY MCCOY PETROLEUM CORP.
WELL SCHMIDT A #6-29
FIELD LETTE SE
PROVINCE/COUNTY HASKELL
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2854.00	feet	First Reading	4818.00	feet
Elevation Drill Floor	2852.00	feet	Depth Driller	4825.00	feet
Elevation Ground Level	2841.00	feet	Depth Logger	4821.00	feet



Weatherford

**ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG**



Weatherford		ARRAY INDUCTION SHALLOW FOCUSED ELECTRIC LOG	
COMPANY: MCCOY PETROLEUM CORP.		WELL: SCHMIDT A #6-29	
FIELD: LETTE SE		PROVINCE/COUNTY: HASKELL	
COUNTRY/STATE: U.S.A. / KANSAS		LOCATION: 150' W OF C 35W	
SPC: 30S	TWP: 31W	Other Services:	
Permit Number: 15-061-21953	MDN/MPD:	MML:	
Permanent Datum G.L. Elevation 2841 feet Log Measured From K.B. @ 13 FEET above Permanent Datum Drilling Measured From K.B.			
Date: 27-JUL-2011	Run Number: ONE	Depth Driller: 4825.00	feet
Depth Logger: 4821.00	feet	First Reading: 4818.00	feet
Last Reading: 1427.00	feet	Casing Driller: 1827.00	feet
Casing Logger: 1827.00	feet	Bit Size: 7.875	inches
Hole Fluid Type: CHEMICAL		Density/Viscosity: 9.30	lb/USG
PT/Fluid Loss: 9.50	in/USG	Flowline: 48.00	CP
Sample Source: 0.7g @ 33.0	min-m	Flowline: 8.80	ml/30min
Rim @ Measured Temp: 0.83 @ 33.0	min-m		
Rim @ Measured Temp: 0.95 @ 33.0	min-m		
Source Trm/ Rmc: CALC	min-m		
Rin @ BHT: 0.62 @ 118.0	min-m		
Time Since Circulation: 4 HOURS	deg F		
Max Recorded Temp: 118.00	deg F		
Equipment Name: COMEACT	LIB		
Equipment Base: 113057			
Recorded By: L. SCOTT			
Witnessed By: TIM PRIEST			
S.O. # 009#	3531111	LIB1-179	

Timing Marks
every 60.0 sec

Gamma Ray
API
75

Spontaneous Potential
millivolts
- -> | 20 | <- +

DST Uphole Tension
pounds
5000

Depth In Feet

Borehole Temp in deg F

Replay Scale 1:600

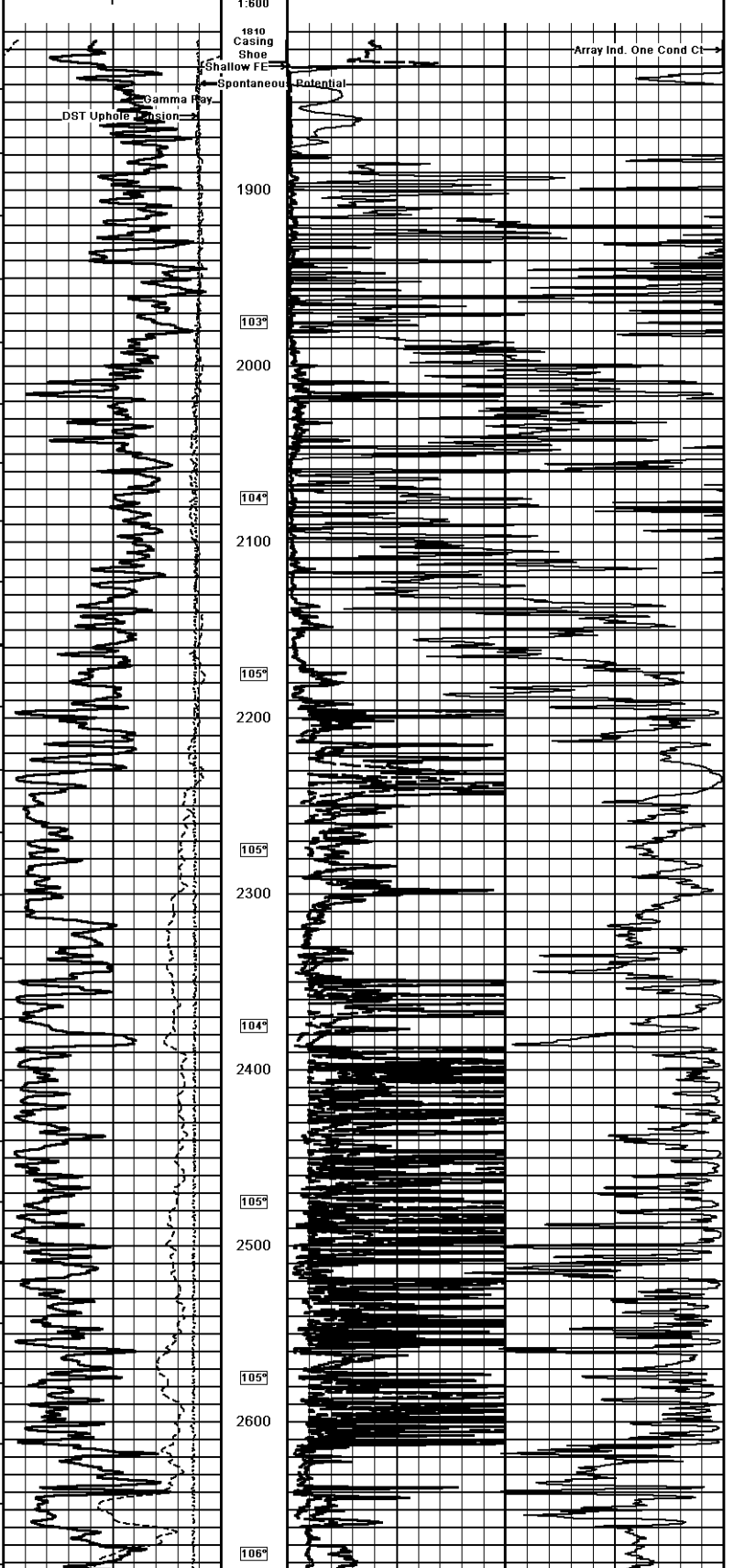
1810 Casing Shoe

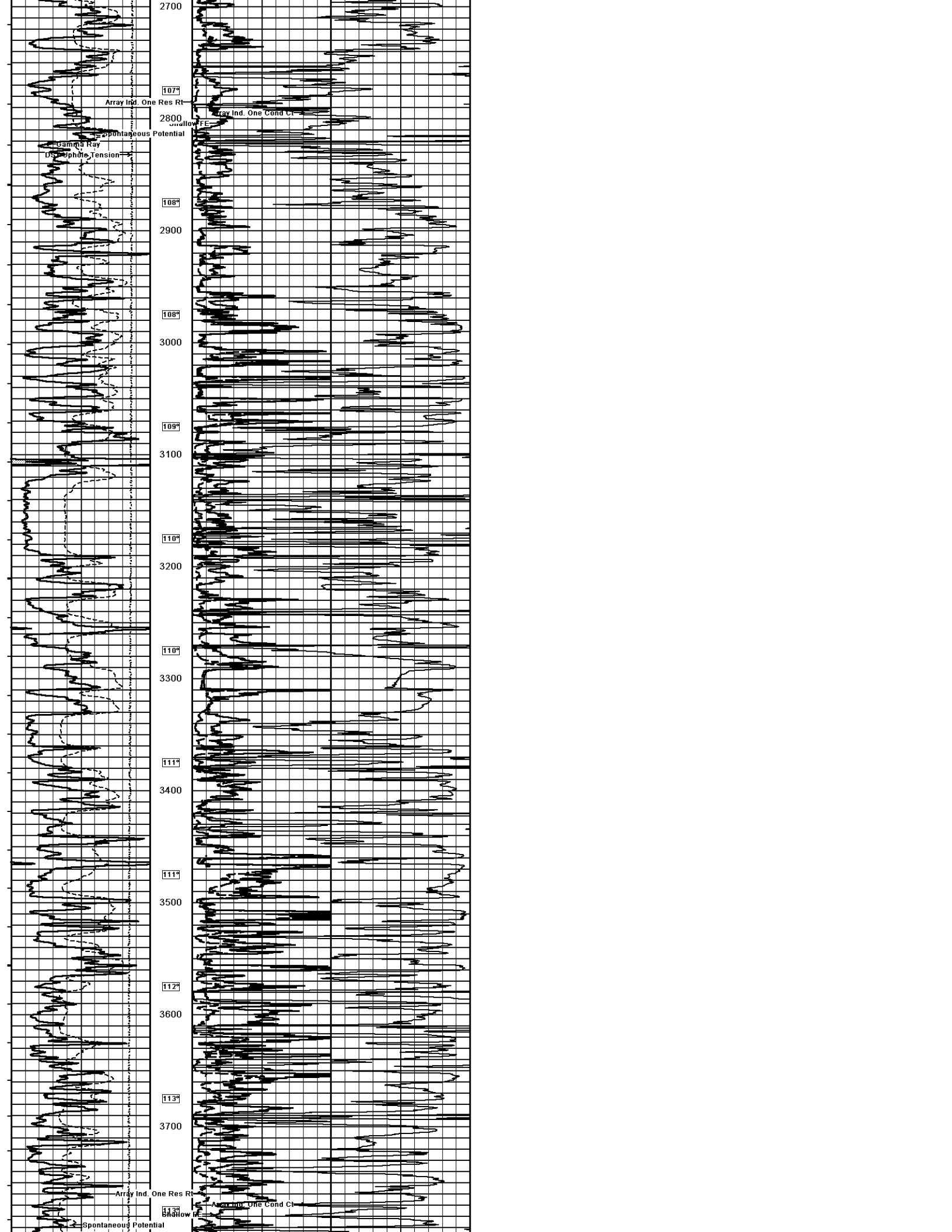
Shallow FE

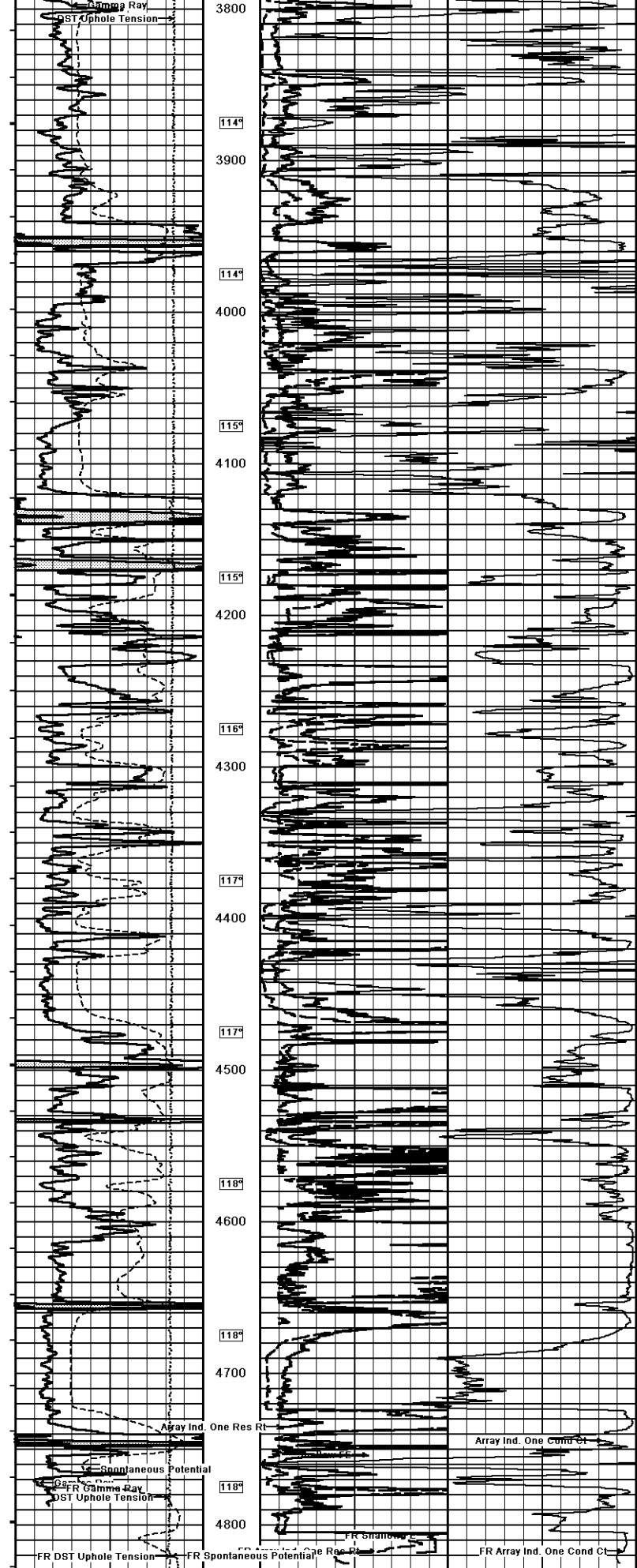
Array Ind. One Cond Ct				
mmhos				
1000	750	500	250	0
2000	1750	1500	1250	1000

Shallow FE	
ohm metres	
0	50
0	250
0	500

Array Ind. One Res Rt	
ohm metres	
0	50
0	250
0	500

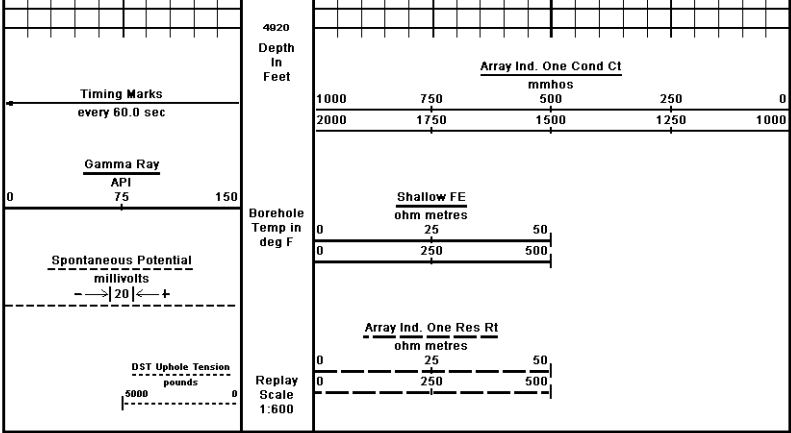






3800
 114°
 3900
 114°
 4000
 115°
 4100
 115°
 4200
 116°
 4300
 117°
 4400
 117°
 4500
 118°
 4600
 118°
 4700
 118°
 4800


Array Ind. One Res Rt.
 Array Ind. One Cond Ct.
 Spontaneous Potential
 FR Spontaneous Potential
 FR Array Ind. One Cond Ct.
 FR DST Uphole Tension
 FR Spontaneous Potential
 FR Array Ind. One Res Rt.




Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 27-JUL-2011 20:16
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_002.dta
 Recorded on 27-JUL-2011 18:36
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

↑ 1 INCH MAIN PASS ↓

COMPANY	MCCOY PETROLEUM CORP.				
WELL	SCHMIDT A #6-29				
FIELD	LETTE SE				
PROVINCE/COUNTY	HASKELL				
COUNTRY/STATE	U.S.A. / KANSAS				
Elevation Kelly Bushing	2854.00	feet	First Reading	4818.00	feet
Elevation Drill Floor	2852.00	feet	Depth Driller	4825.00	feet
Elevation Ground Level	2841.00	feet	Depth Logger	4821.00	feet

 ARRAY INDUCTION
SHALLOW FOCUSED
ELECTRIC LOG

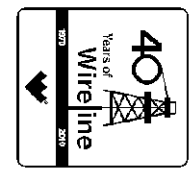




Weatherford

**COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG**

COMPANY MCCOY PETROLEUM CORP.
WELL SCHMIDT A #6-29
FIELD LETTE SE
PROVINCE/COUNTY HASKELL
COUNTRY/STATE U.S.A. / KANSAS
LOCATION 150' W OF C SW



SEC TWP RGE Other Services
29 30S 31W MA/IMFE
API Number 15-081-21953
Permit Number

Permanent Datum G.L., Elevation 2841 feet
Log Measured From K.B. @ 13 FEET above Permanent Datum
Drilling Measured From K.B.

Elevations: feet
KB 2854.00
DF 2852.00
GL 2841.00

Date	27-JUL-2011
Run Number	ONE
Depth Driller	4825.00 feet
Depth Logger	4821.00 feet
First Reading	4797.00 feet
Last Reading	3800.00 feet
Casing Driller	1832.00 feet
Casing Logger	1827.00 feet
Bit Size	7.875 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.30 lb/USg 49.00 CP
PH / Fluid Loss	9.50 8.80 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	0.79 @ 93.0 ohm-m
Rmf @ Measured Temp	0.63 @ 93.0 ohm-m
Rmc @ Measured Temp	0.95 @ 93.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.62 @ 118.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	118.00 deg F
Equipment Name	COMPACT
Equipment / Base	13057 LIB
Recorded By	L. SCOTT
Witnessed By	TIM PRIEST
S.O.# / JOB#	3531111 LB11-179

BOREHOLE RECORD Last Edited: 27-JUL-2011 19:22

Bit Size inches	Depth From feet	Depth To feet
7.875	1827.00	4821.00

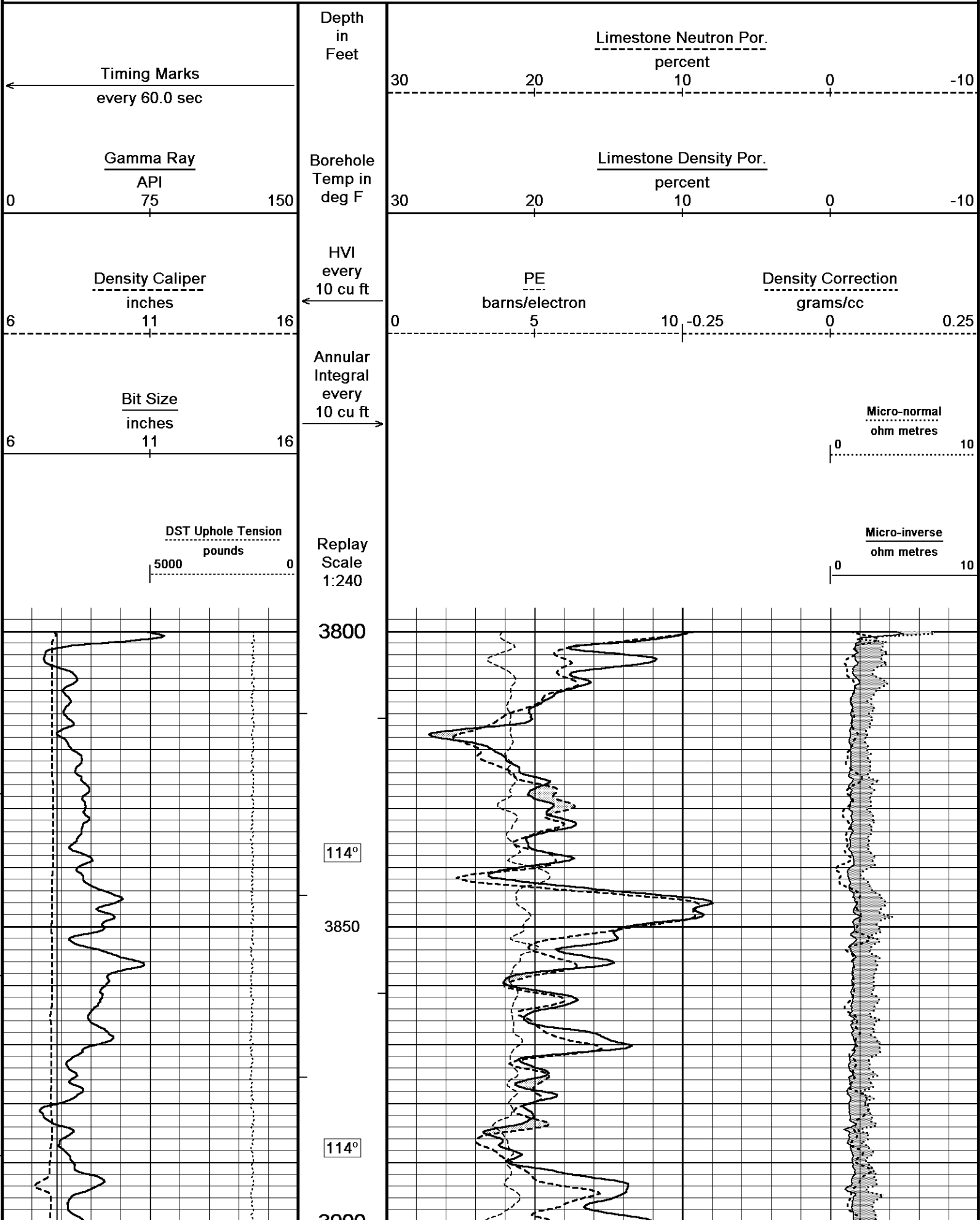
CASING RECORD

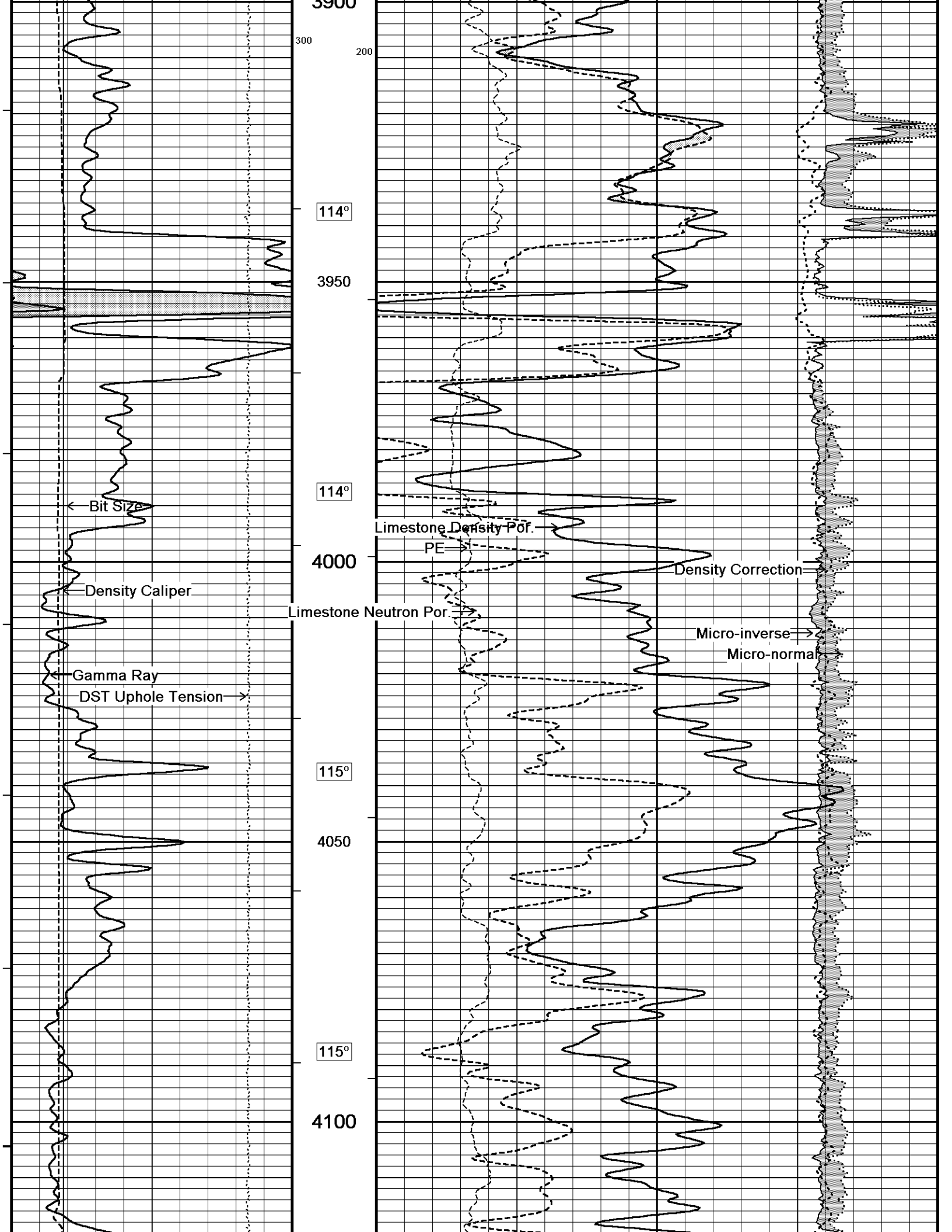
Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1827.00	24.00

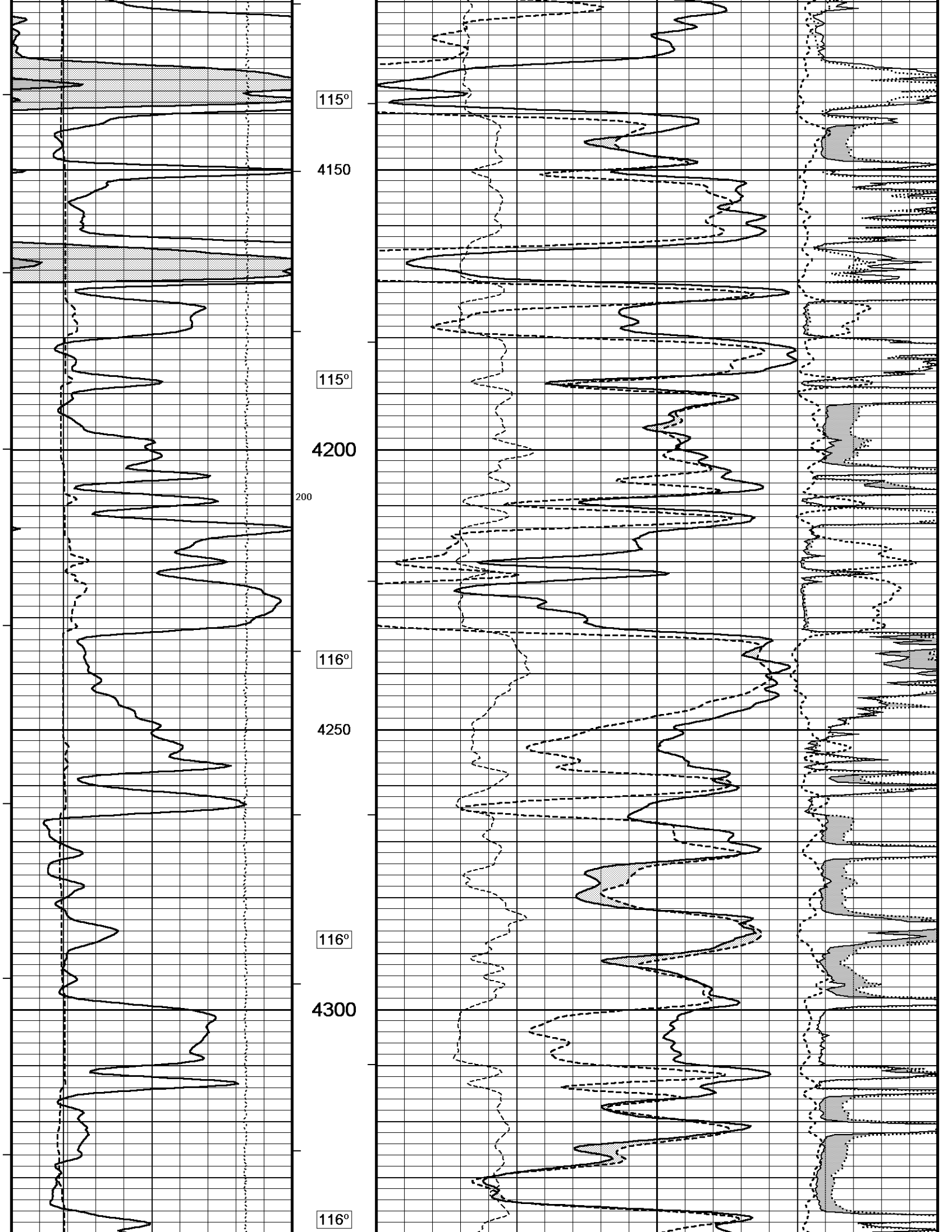
REMARKS

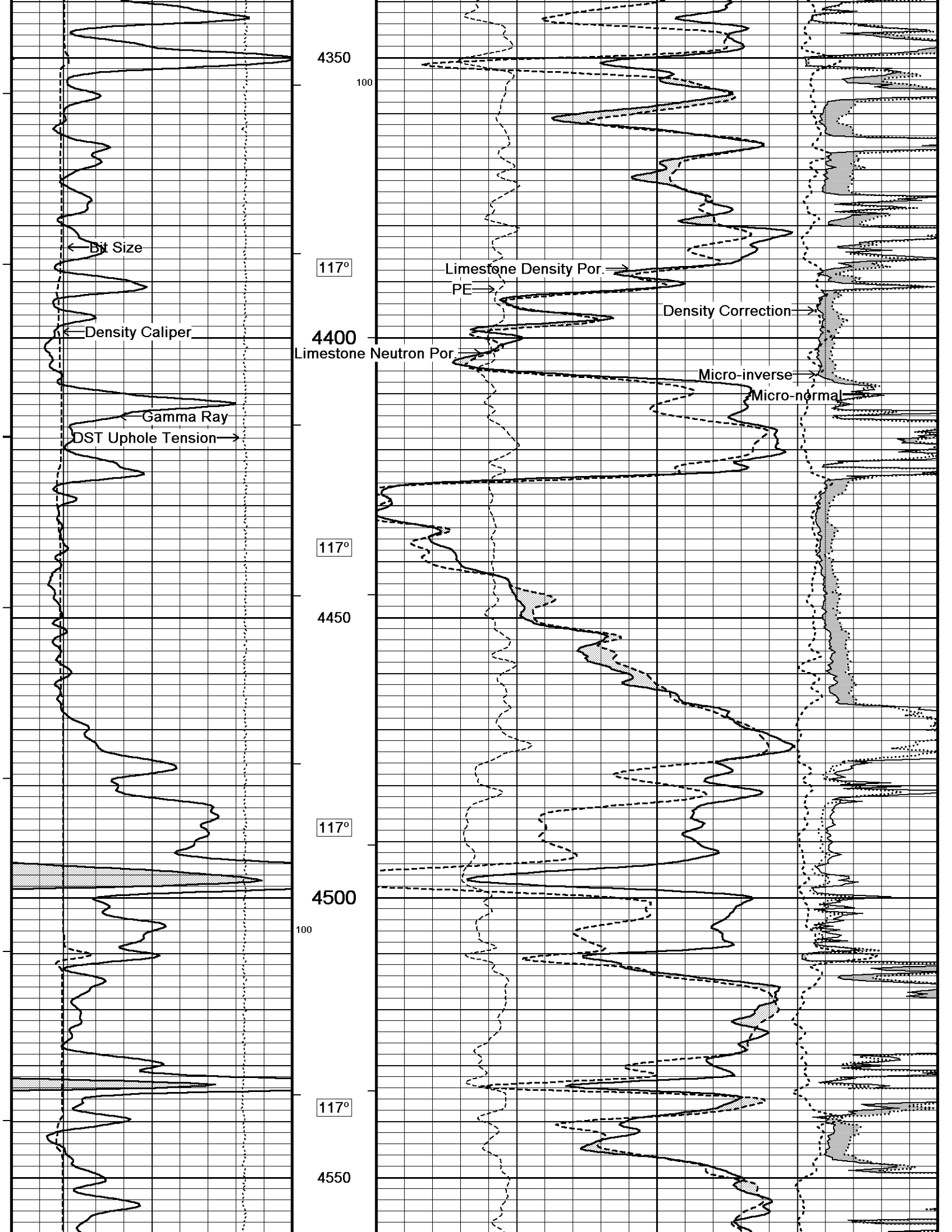
Tools Ran: MCG, MML, MDN, MPD, SKJ, MFE, MAI.
Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE and MAI 0.5 inch standoffs used.
2.71 g/cc Limestone Density Matrix used to calculate porosity.
All intervals logged and scaled per customer's request.
Annular volume with 4.5 inch production casing =323 cu. ft.
Service order #3531111
Rig: Sterling #5
Engineer: L. Scott
Operator(s): M. Stegman

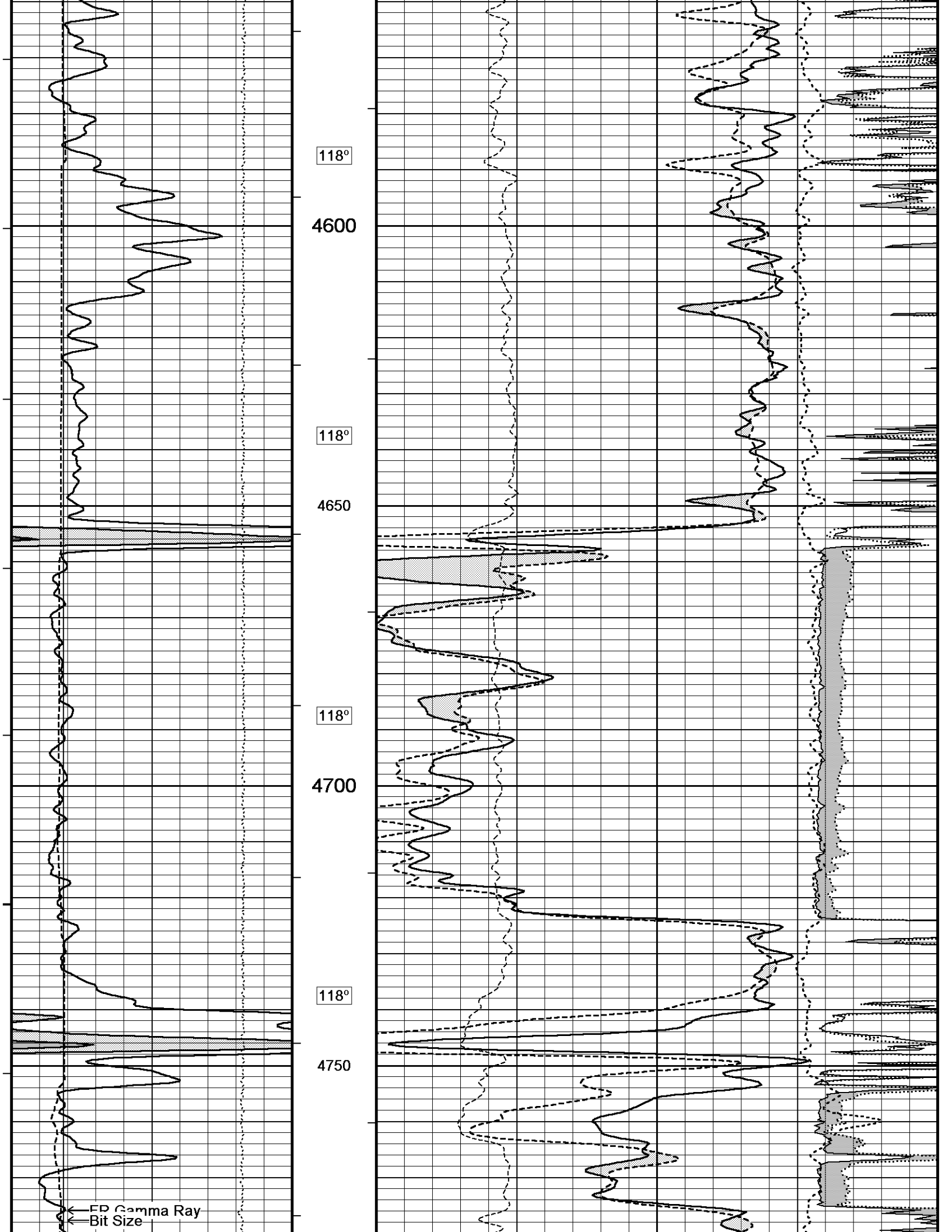
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

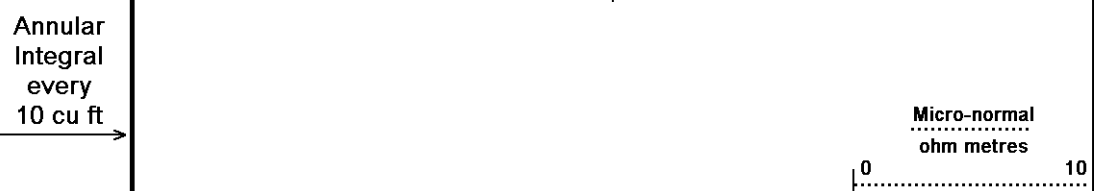
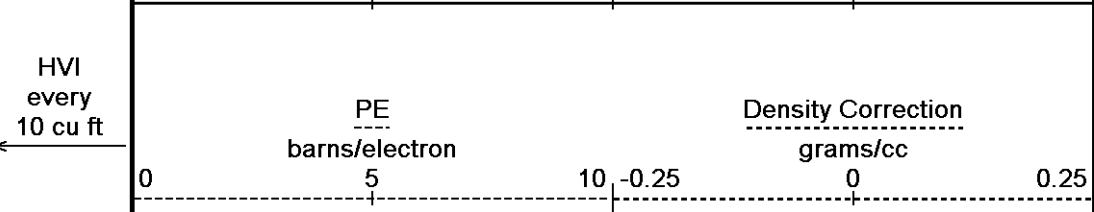
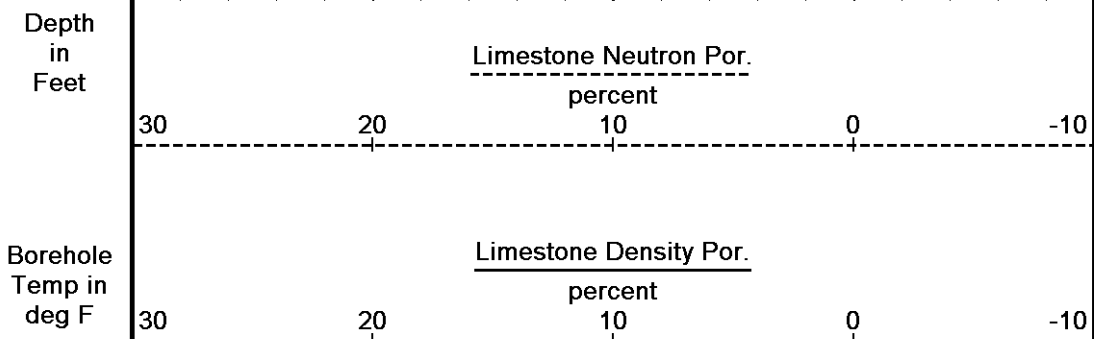
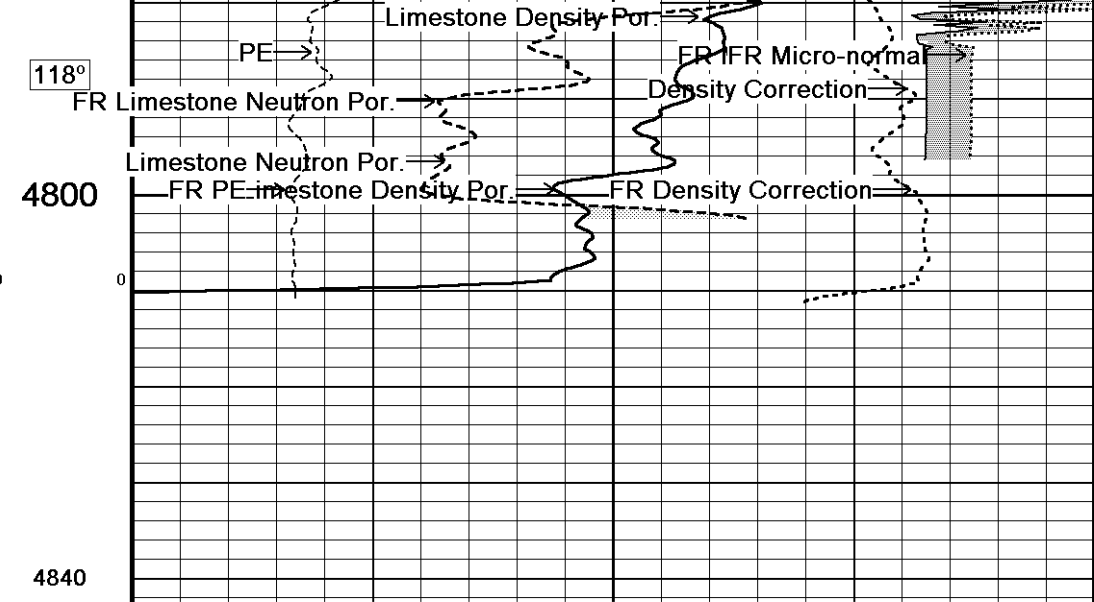
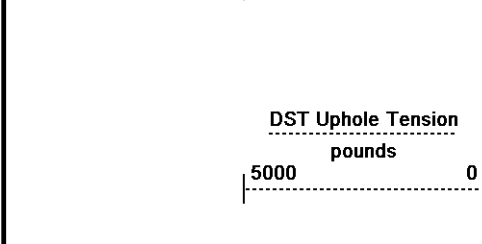
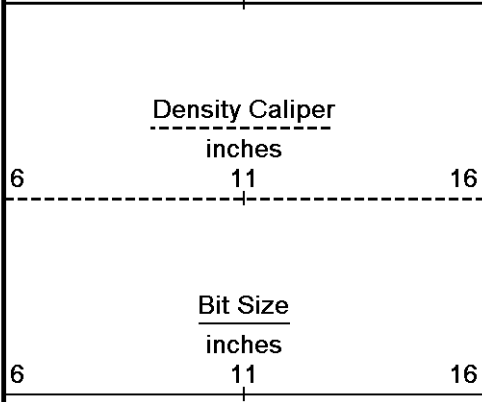
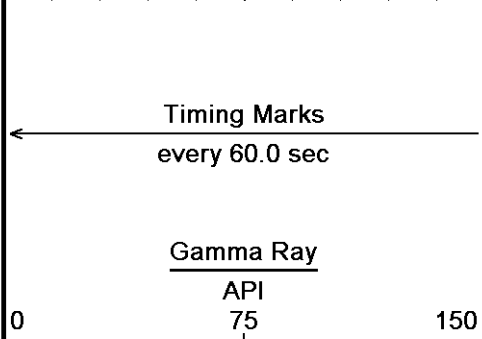
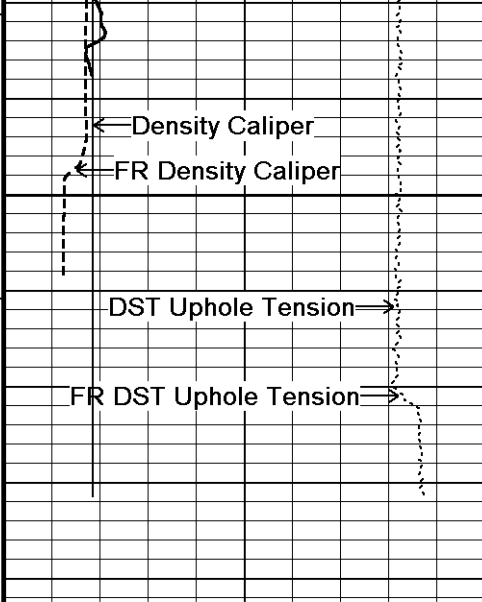








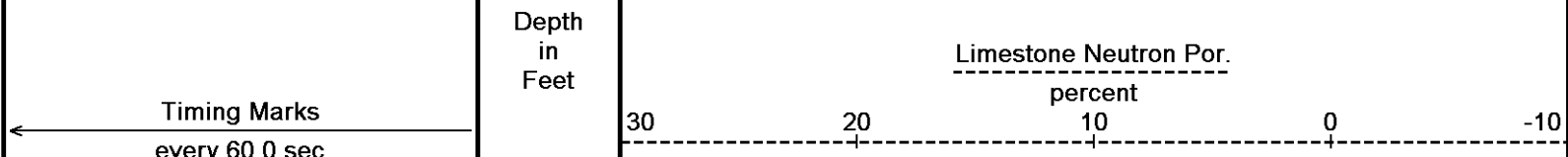




Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_002.dta
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

5 INCH MAIN PASS

Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186



Gamma Ray
API
75

Density Caliper
inches
6 11 16

Bit Size
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Borehole
Temp in
deg F

HVI
every
10 cu ft

Annular
Integral
every
10 cu ft

Replay
Scale
1:240

4500

100

117°

4550

117°

4600

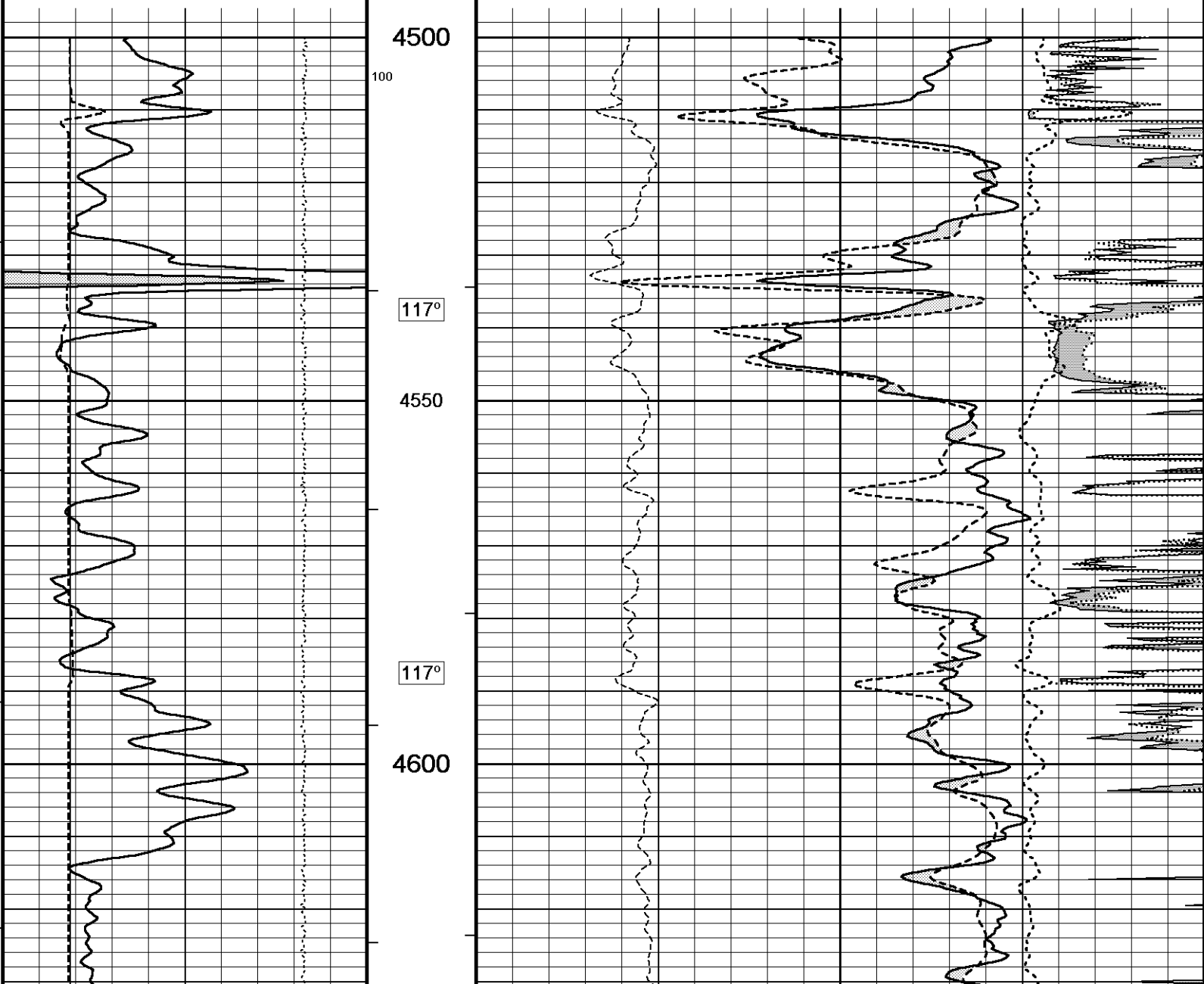
Limestone Density Por.
percent
30 20 10 0 -10

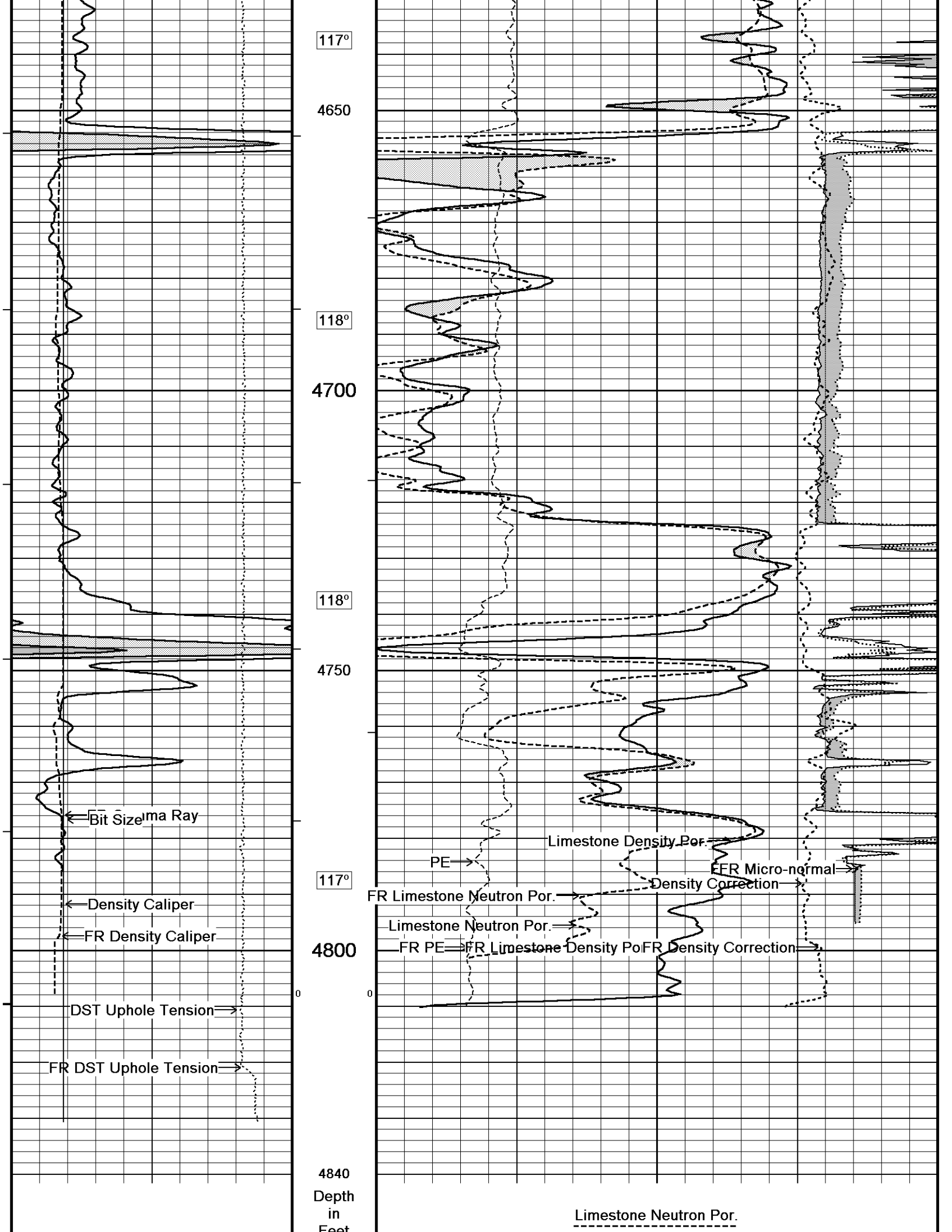
PE
barns/electron
0 5 10 -0.25

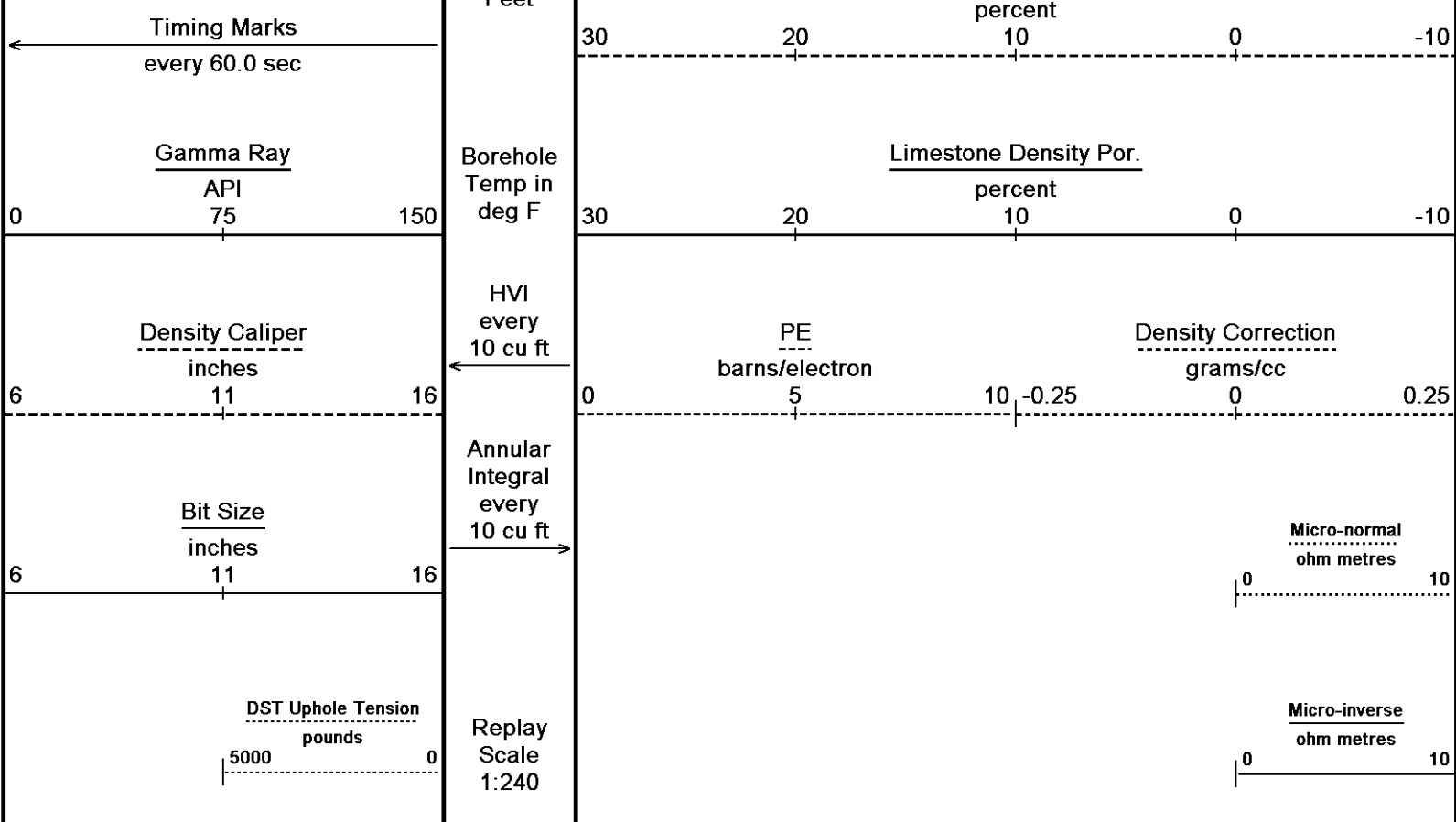
Density Correction
grams/cc
0 0.25

Micro-normal
ohm metres
0 10

Micro-inverse
ohm metres
0 10





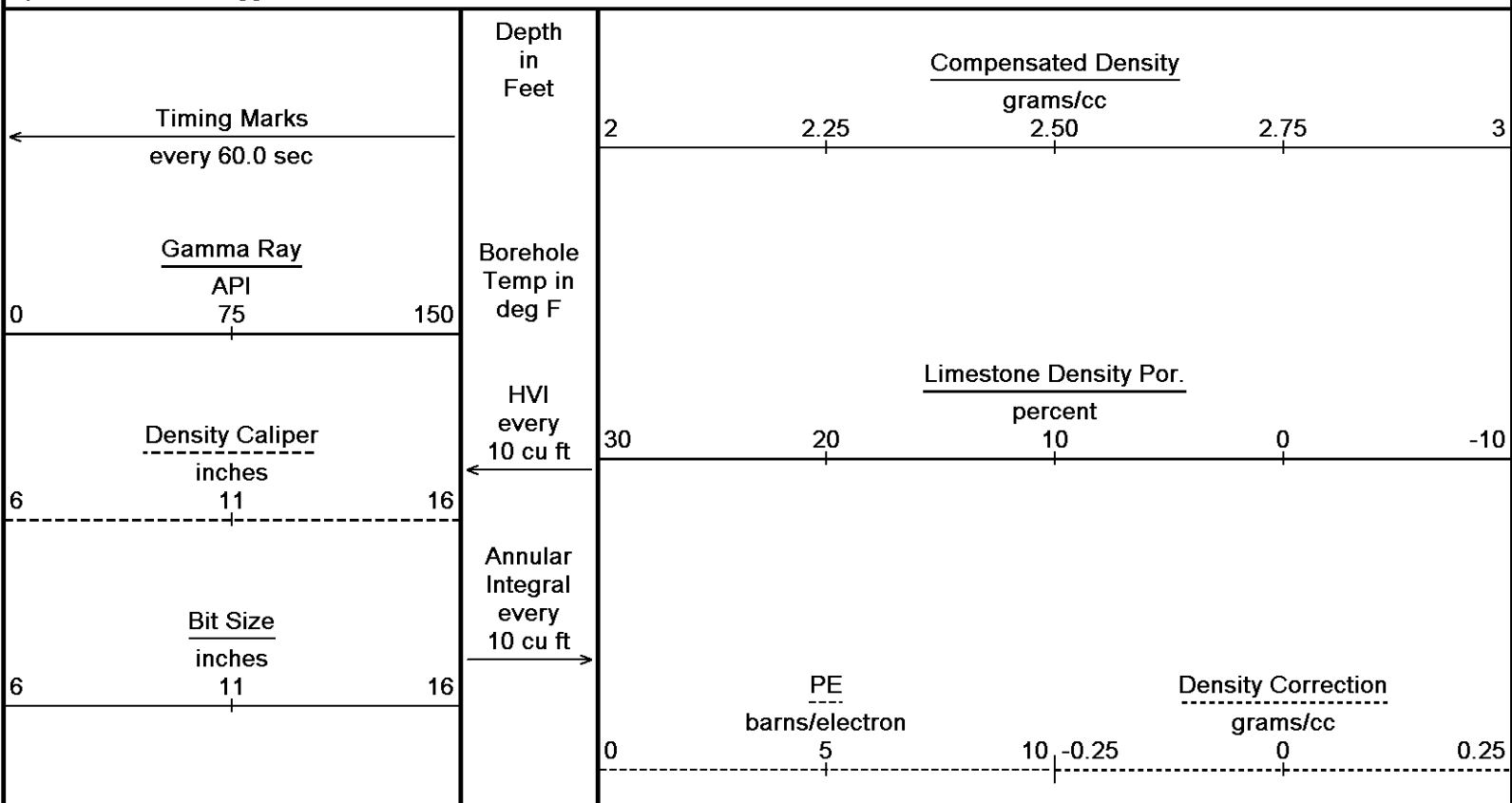


Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 27-JUL-2011 20:18
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta
 Recorded on 27-JUL-2011 18:17
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186

↑ **5 INCH REPEAT PASS** ↑

↓ **5 INCH MAIN PASS** ↓

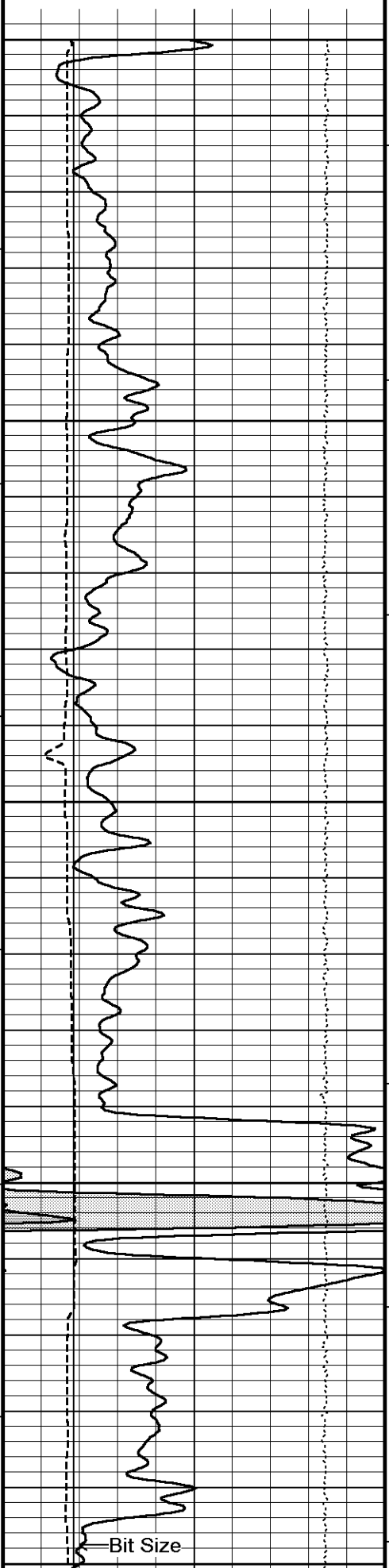
Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 27-JUL-2011 20:18
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_002.dta
 Recorded on 27-JUL-2011 18:36
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186



DST Uphole Tension
pounds

5000 0

Replay
Scale
1:240



3800

114°

3850

114°

3900

300 200

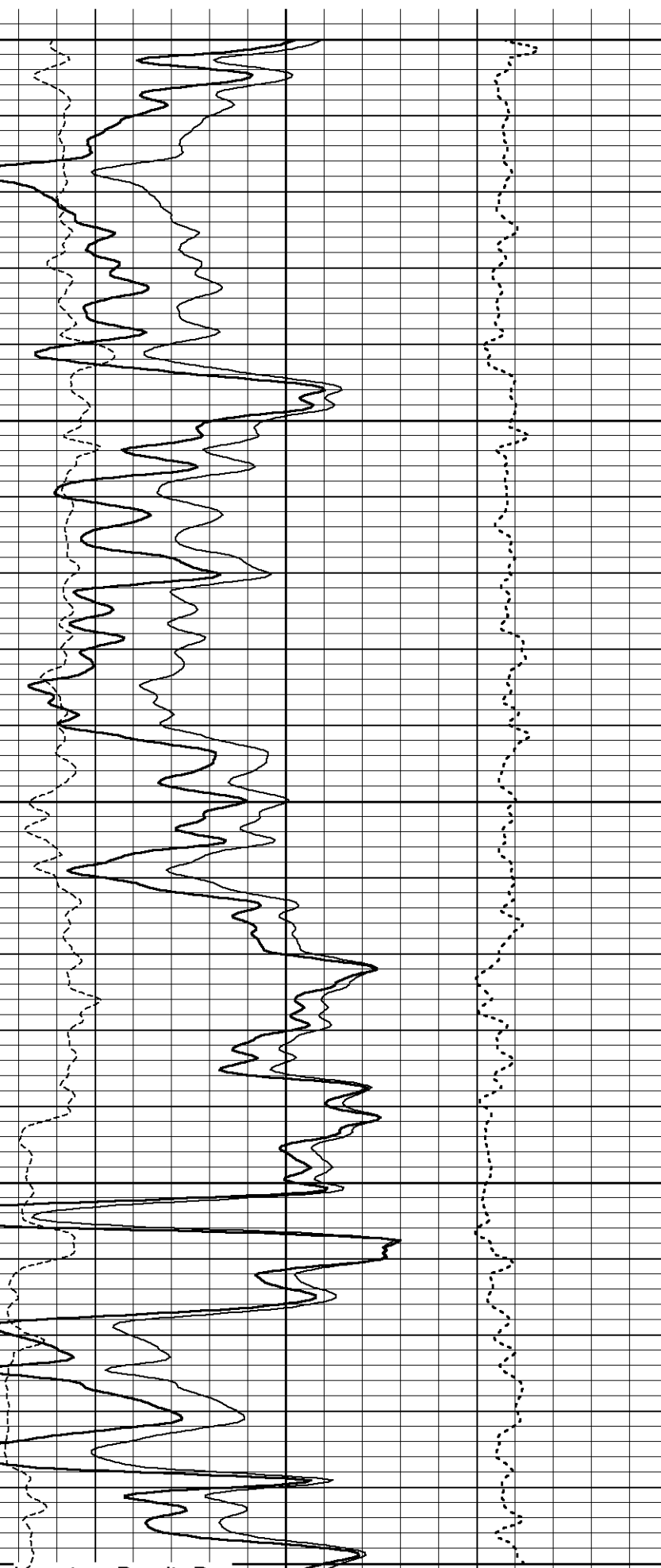
114°

3950

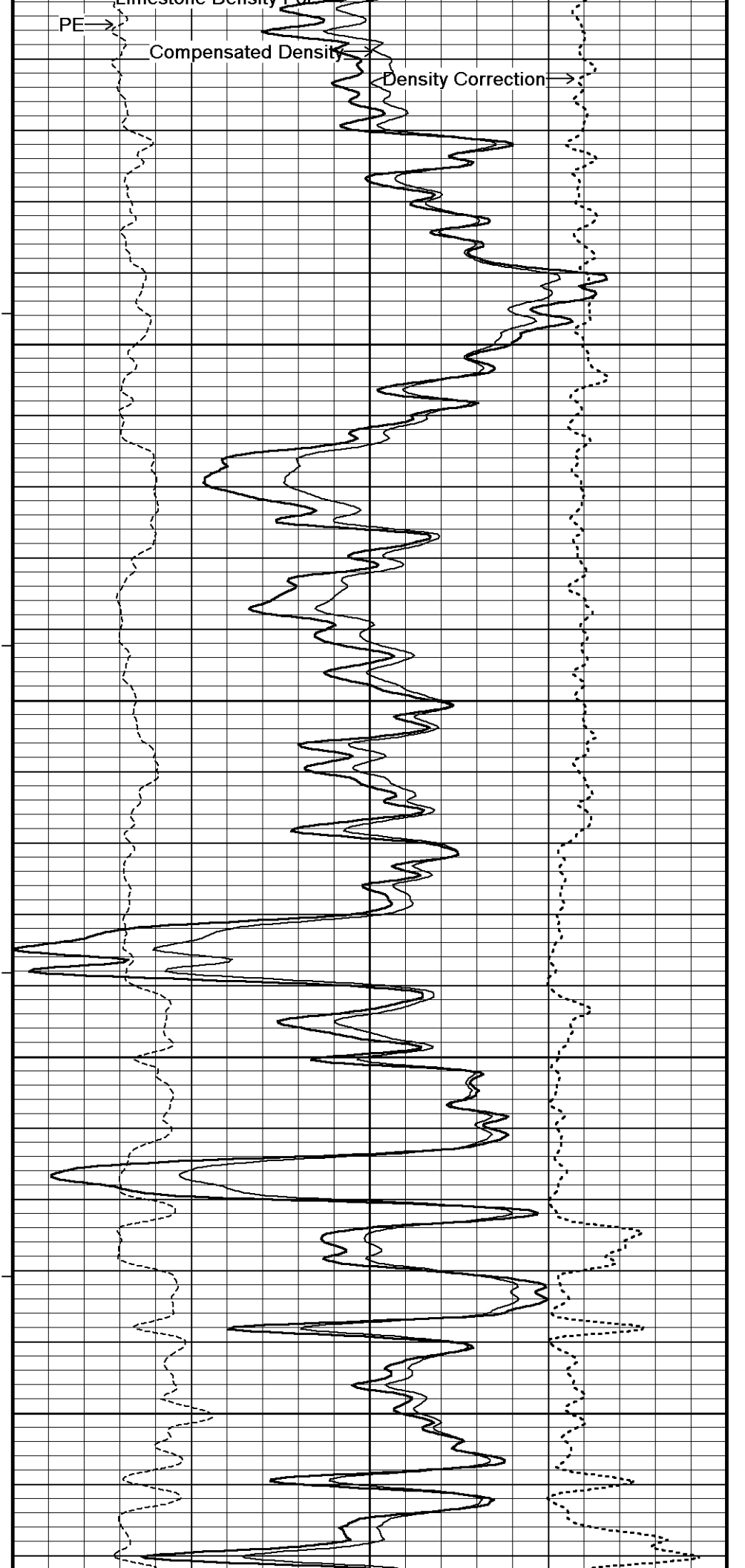
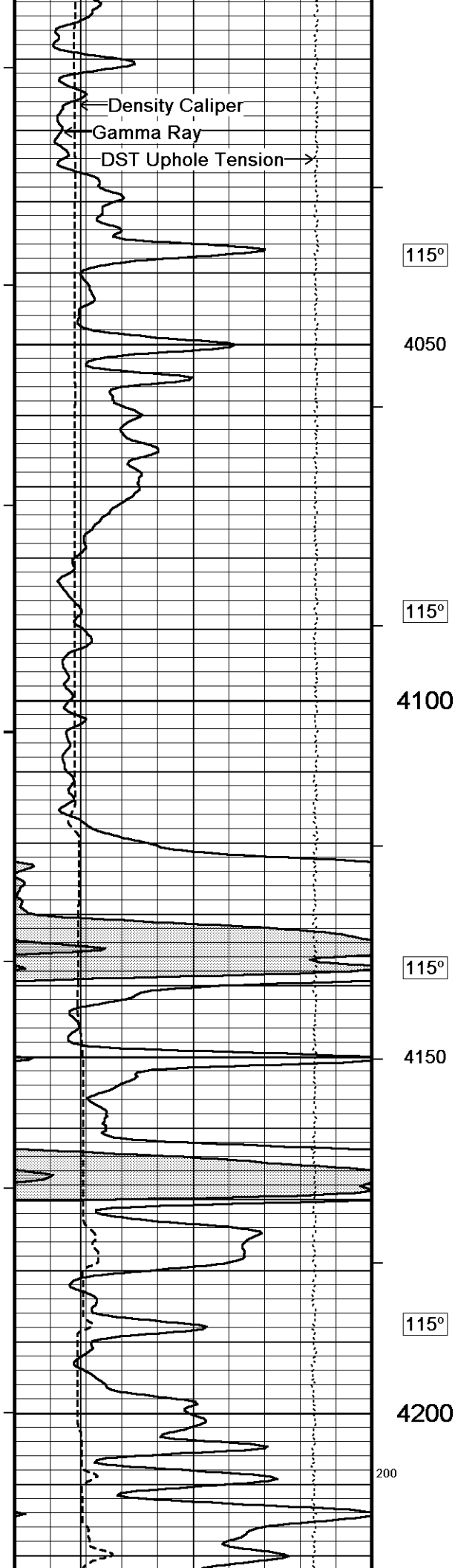
114°

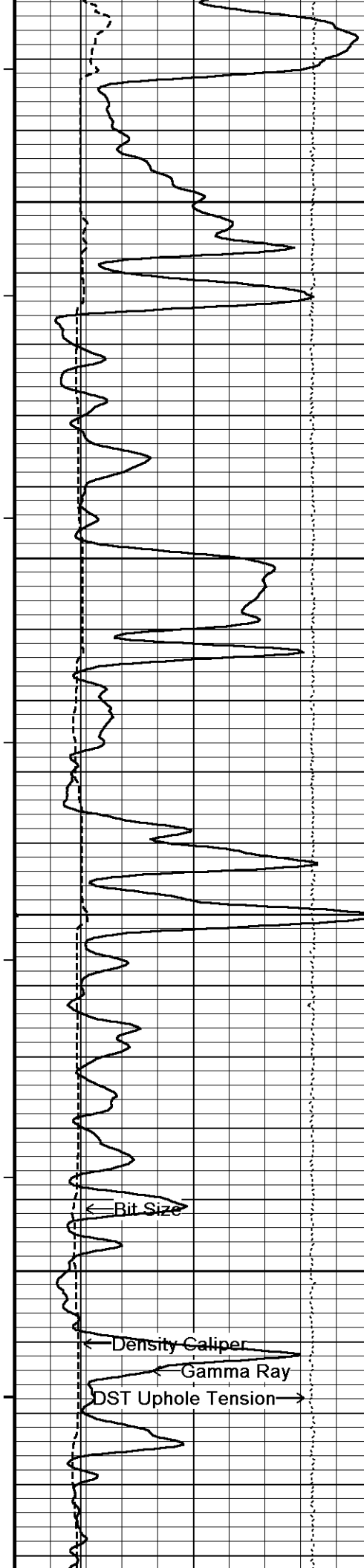
4000

Bit Size

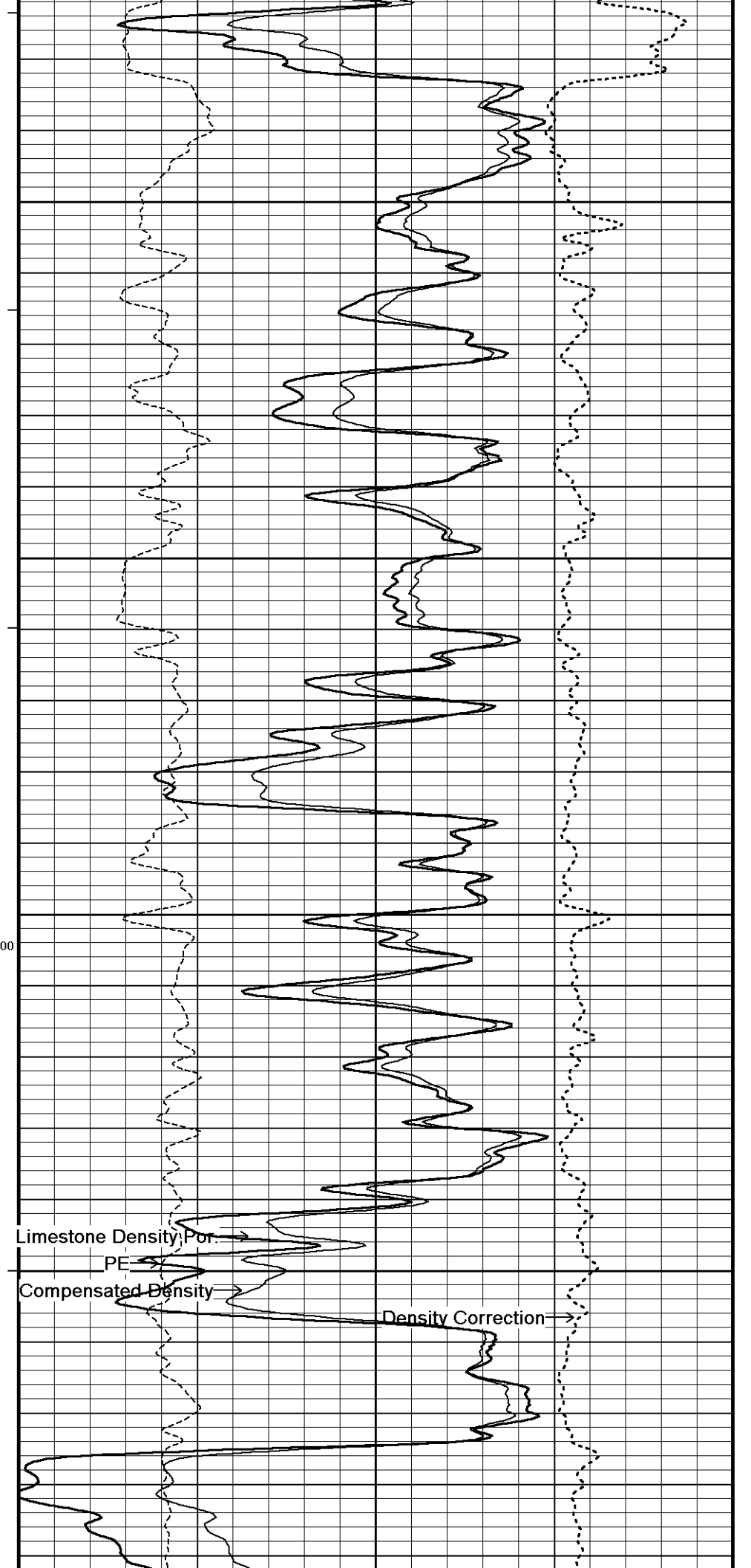


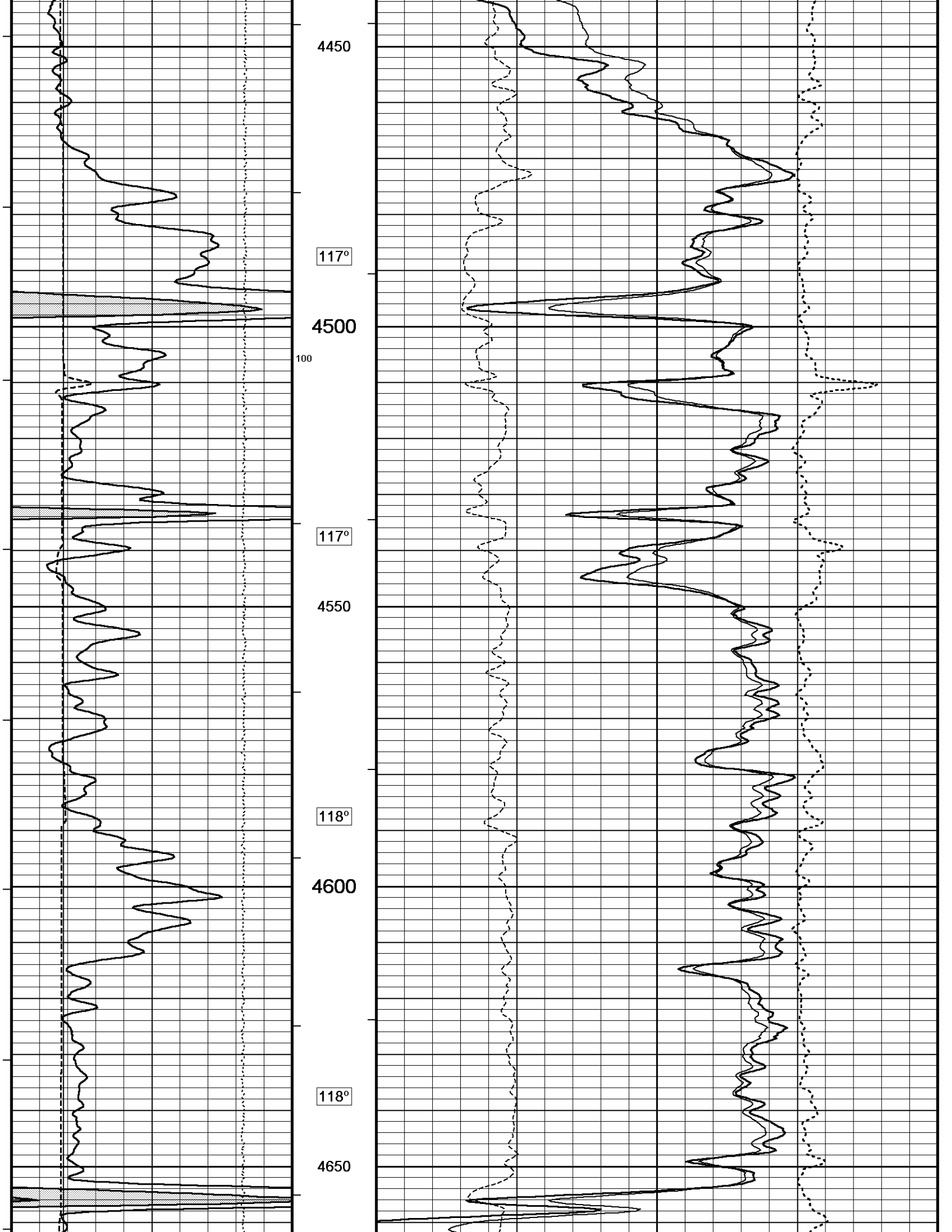
Limestone Density Por

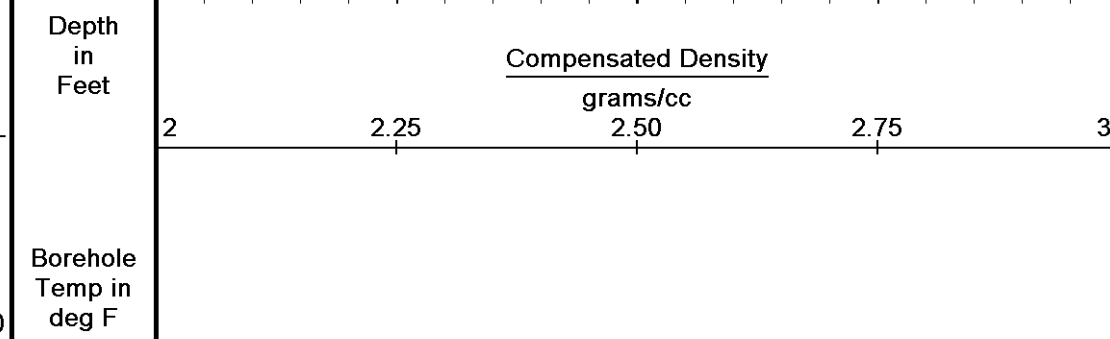
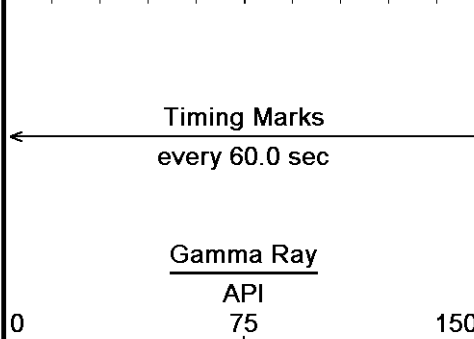
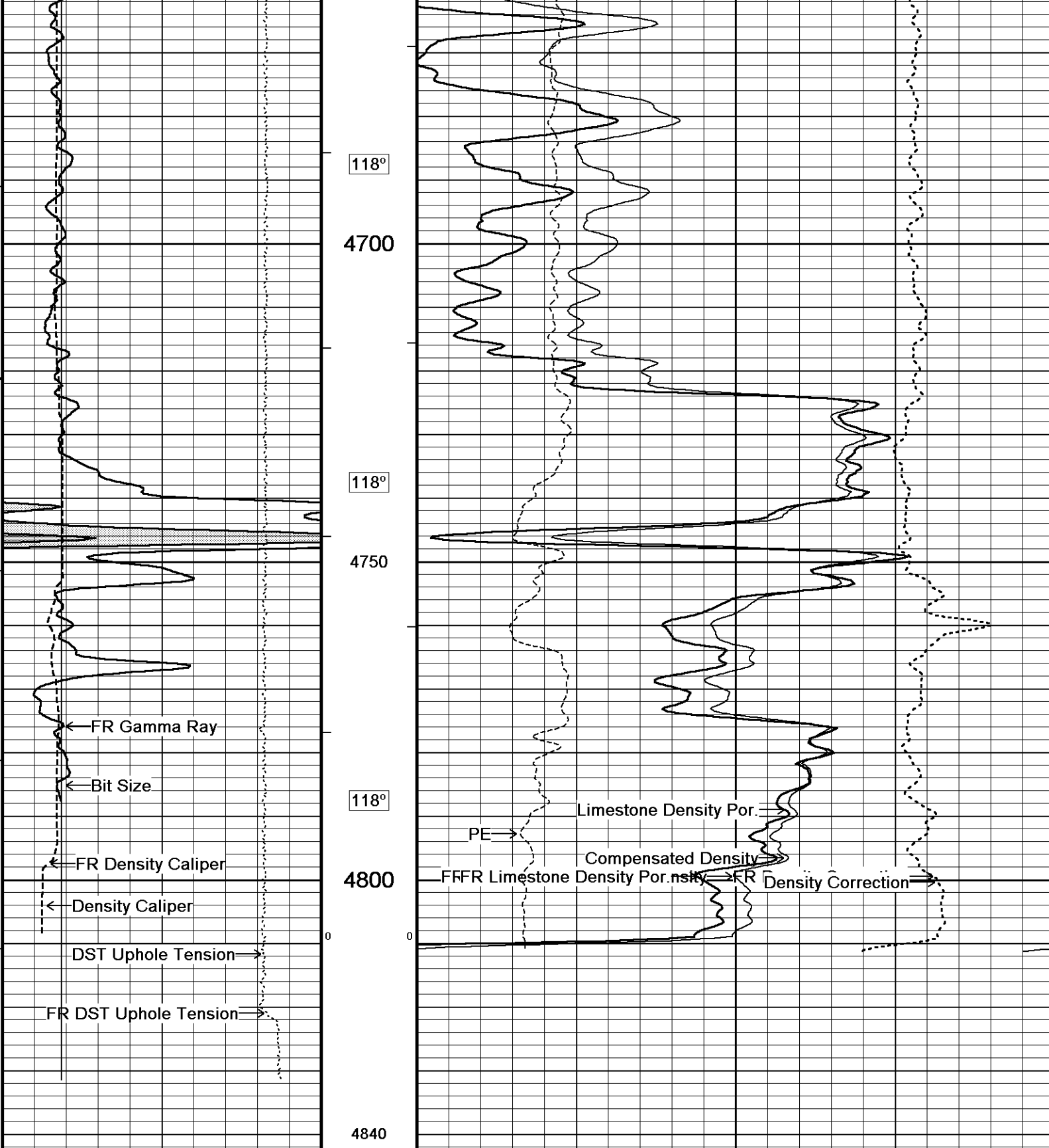


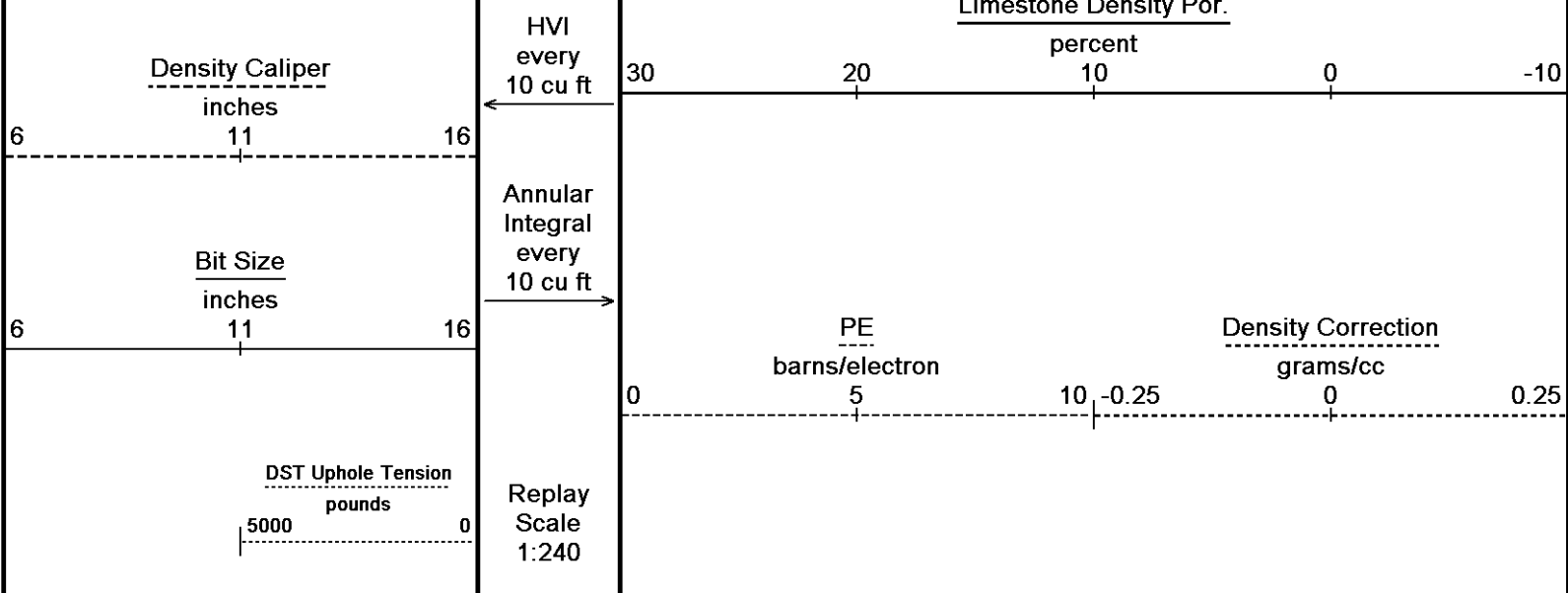


116°
4250
116°
4300
116°
4350
100
117°
4400
117°





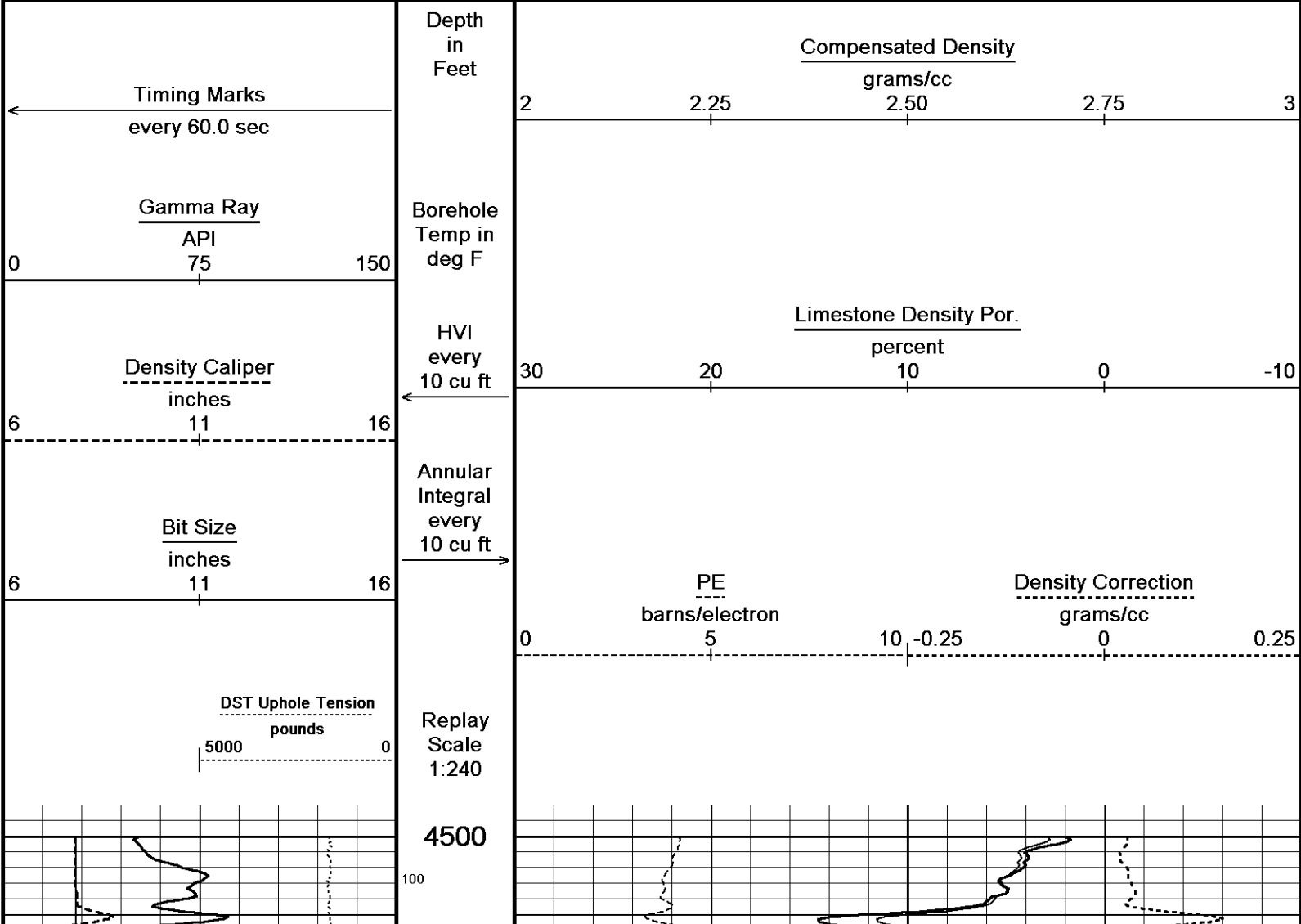


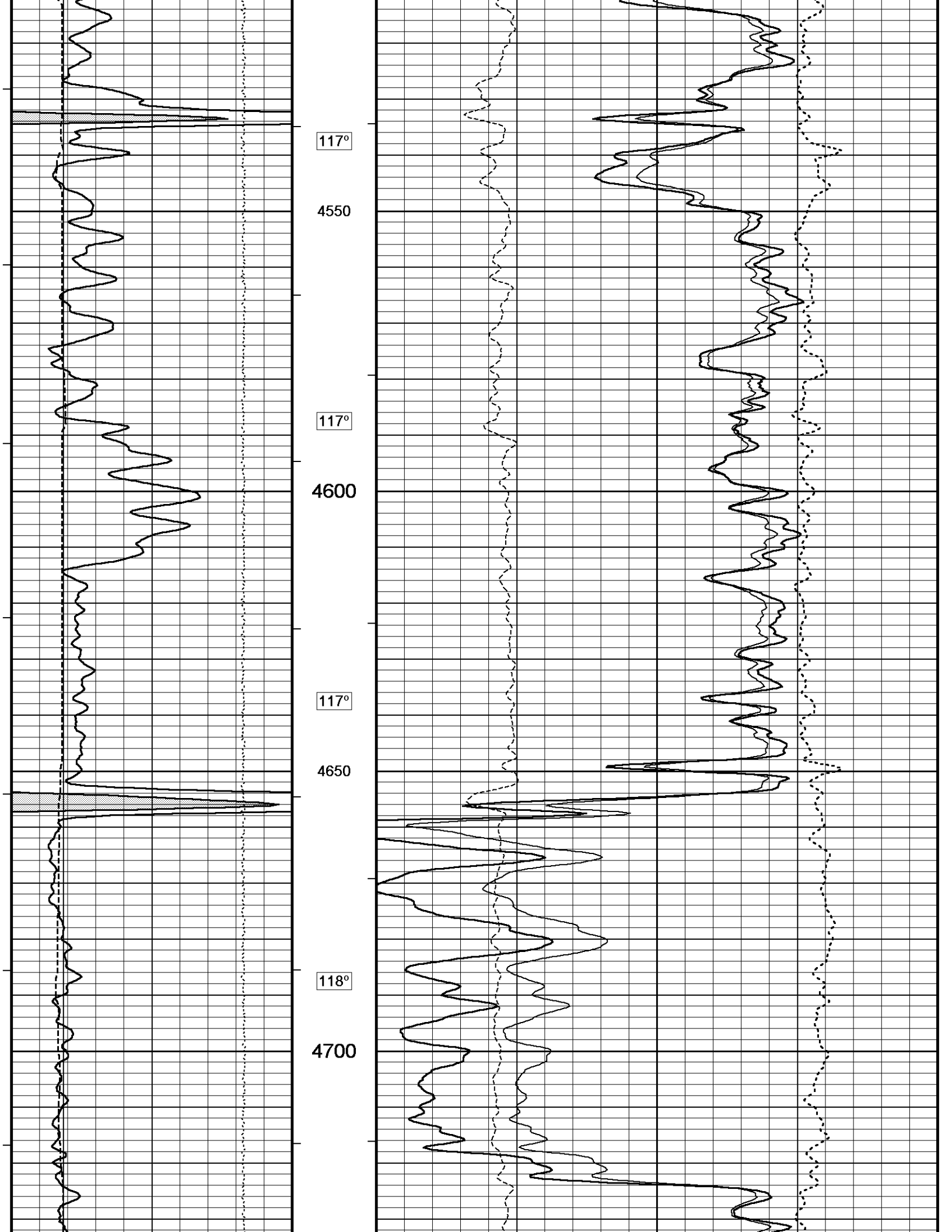


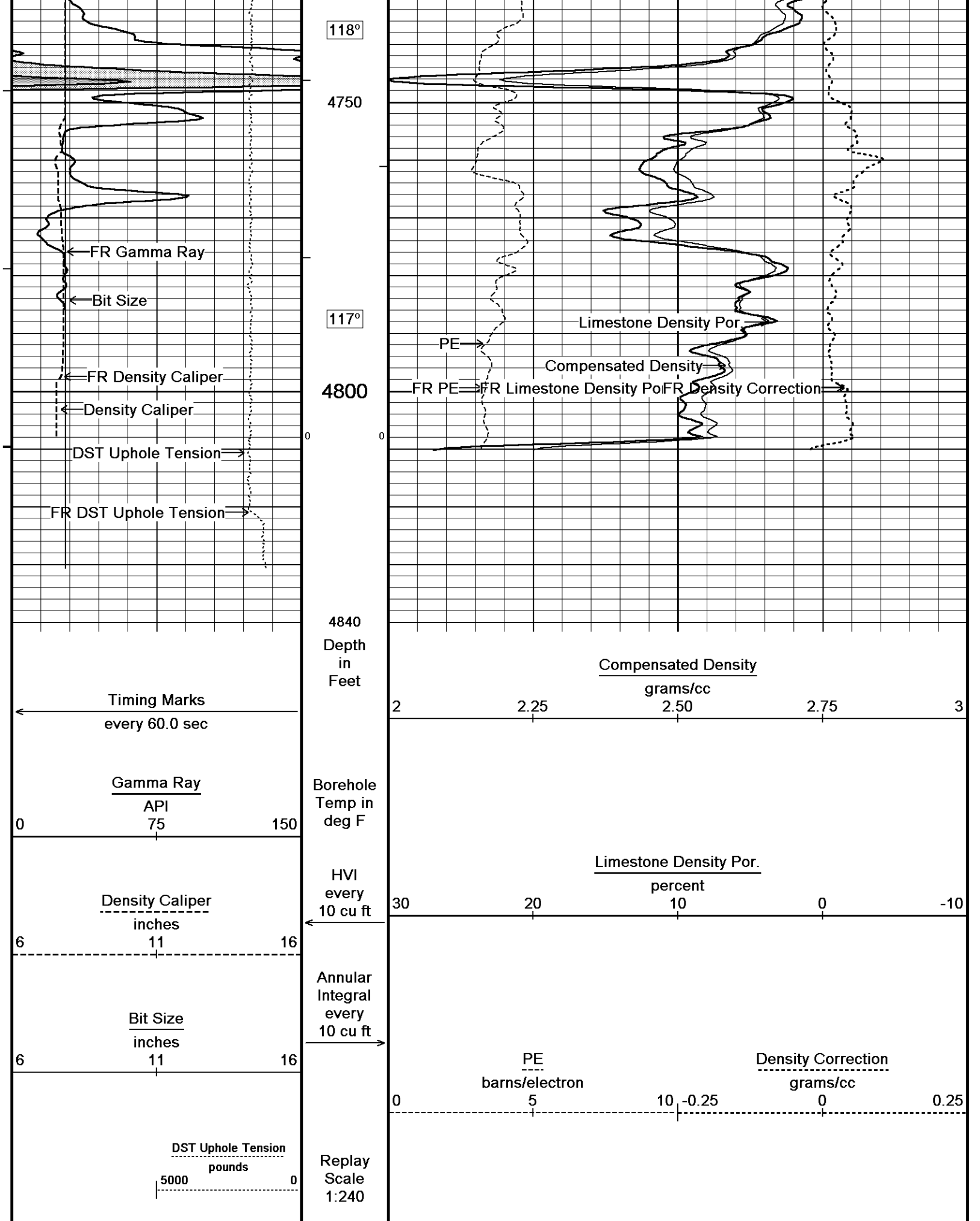
5 INCH MAIN PASS

5 INCH REPEAT PASS

Depth Based Data - Maximum Sampling Increment 10.0cm
 Plotted on 27-JUL-2011 20:18
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta
 Recorded on 27-JUL-2011 18:17
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186









BEFORE SURVEY CALIBRATION

C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

General Constants All 000

Last Edited on 27-JUL-2011,16:52

General Parameters

Mud Resistivity	0.790	ohm-metres
Mud Resistivity Temperature	93.000	degrees F
Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	

Hole/Annular Volume and Differential Caliper Parameters

HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	Density Caliper	

Rwa Parameters

Porosity used	Base Density Porosity
Resistivity used	Array Ind. One Res Rt
RWA Constant A	1.000
RWA Constant M	2.000

Down-hole Tension Calibration SMS 0

Field Calibration on 05-JUN-2011 04:37

Reading No	Measured	Calibrated (lbs)
1	13499.89	0.00
2	14983.70	496.00

High Resolution Temperature Calibration MCG-B 34

Field Calibration on 05-MAR-2011,23:56

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	75.00	75.00

High Resolution Temperature Constants MCG-B 34

Last Edited on

Pre-filter Length	11
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SP Calibration MCG-B 34

Field Calibration on 11-JUL-2011 12:13

	Measured	Calibrated (mV)
Reference 1	106.9	100.0
Reference 2	-94.7	-100.0

Gamma Calibration MCG-B 34

Field Calibration on 27-JUL-2011 14:31

	Measured	Calibrated (API)
Background	70	48
Calibrator (Gross)	1122	773
Calibrator (Net)	1053	725

Gamma Constants MCG-B 34

Last Edited on 21-JUL-2011,08:57

Gamma Calibrator Number	grc38	
Mud Density	1.00	gm/cc
Caliper Source for Processing	Density Caliper	
Tool Position	Eccentred	
Concentration of KCl	0.00	kppm

Micro Normal and Micro Inverse Calibration MML-A 4

Base Calibration on 16-MAY-2011 09:23

Field Check on 27-JUL-2011 14:16

Base Calibration

Channel	Measured		Calibrated (ohm-m)	
	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.1	60.1	2.6	12.8
Micro Inverse	15.6	78.3	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.2	32.2
Micro Inverse	16.3	16.3

Micro Normal and Micro Inverse Constants MML-A 4

Last Edited on 19-JUL-2011,11:17

Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159	
Micro Normal K Factor	0.5110	
Micro Inverse K Factor	0.3380	
Standoff Offset	N/A	inches

Caliper Calibration MML-A 4

Base Calibration on 16-MAY-2011 09:38
Field Calibration on 27-JUL-2011 14:15

Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14953	5.98
2	18280	7.97
3	21656	9.86
4	25588	11.92
5	0	0.00
6	N/A	N/A
Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	6.03	5.98

Neutron Calibration MDN-A.B 65

Base Calibration on 02-JUL-2011 23:27
Field Check on 27-JUL-2011 14:37

Base Calibration				
	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3269	103	3714	110
Ratio	31.795		33.764	
Field Calibrator at Base				
			Calibrated (cps)	
			1562	2227
Ratio			0.701	
Field Check				
			Calibrated (cps)	
			1562	2257
Ratio			0.692	

Neutron Constants MDN-A.B 65

Last Edited on 27-JUL-2011,16:52

Neutron Source Id	757	
Neutron Jig Number	5824NE	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 55

Base Calibration on 21-JUN-2011 10:19
Field Check on 27-JUL-2011 14:13

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	953.6	126.8
Base Check		281.3
Field Check		281.2

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

High Resolution Temperature Calibration MAI-A.A 45

Field Calibration on 13-AUG-2010,13:31

	Measured	Calibrated(Deg F)
Lower	50.00	50.00
Upper	100.00	100.00

High Resolution Temperature Constants MAI-A.A 45

Last Edited on

Pre-filter Length 11

Induction Calibration MAI-A.A 45

Base Calibration on 13-AUG-2010,13:32

Field Check on 27-JUL-2011 14:49

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	14.5	473.5	9.3	966.2
2	5.2	373.4	7.6	821.4
3	2.8	260.6	5.2	566.0
4	1.6	132.2	2.6	279.2

Array Temperature 86.2 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	20.4	3847.5
2	0.0	0.0	33.4	3633.0
3	0.0	0.0	30.3	3051.2
4	0.0	0.0	20.6	2094.3
Deep	0.0	0.0	18.2	1920.9
Medium	0.0	0.0	43.5	4052.1
Shallow	0.0	0.0	50.8	5477.8

Array Temperature 0.0 97.4 Deg F

Induction Constants MAI-A.A 45

Last Edited on 27-JUL-2011,14:51

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches
Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	8.0000	
Stand-off Fin Angle	45.00	degrees
Stand-off Fin Width	0.5000	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre

Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre
Apparent Porosity and Water Saturation Constants		
Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

Caliper Calibration MPD-B 31

Base Calibration on 21-JUL-2011 08:22
Field Calibration on 27-JUL-2011 14:24

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16370	3.99
2	25015	5.98
3	33579	7.97
4	41872	9.86
5	51168	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.92	5.98

Photo Density Calibration MPD-B 31

Base Calibration on 21-JUL-2011 08:42
Field Check on 27-JUL-2011 14:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	45837	23493	59556	30836
Reference 2	18956	1961	24941	2541

Field Check at Base

706.7 875.5

Field Check

706.8 872.3

PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	131	621		
Reference 1	19154	45718	0.422	0.371
Reference 2	5486	18861	0.294	0.272

Field Check at Base

130.9 620.8

Field Check

130.4 620.7

Density Constants MPD-B 31

Last Edited on 27-JUL-2011,16:52

Density Source Id	254	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.12	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Matrix Density (gm/cc)		Depth (ft)

2.71	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00
0.00	0.00

DOWNHOLE EQUIPMENT

C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

Compact Comms Gamma
MCG-B 34 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

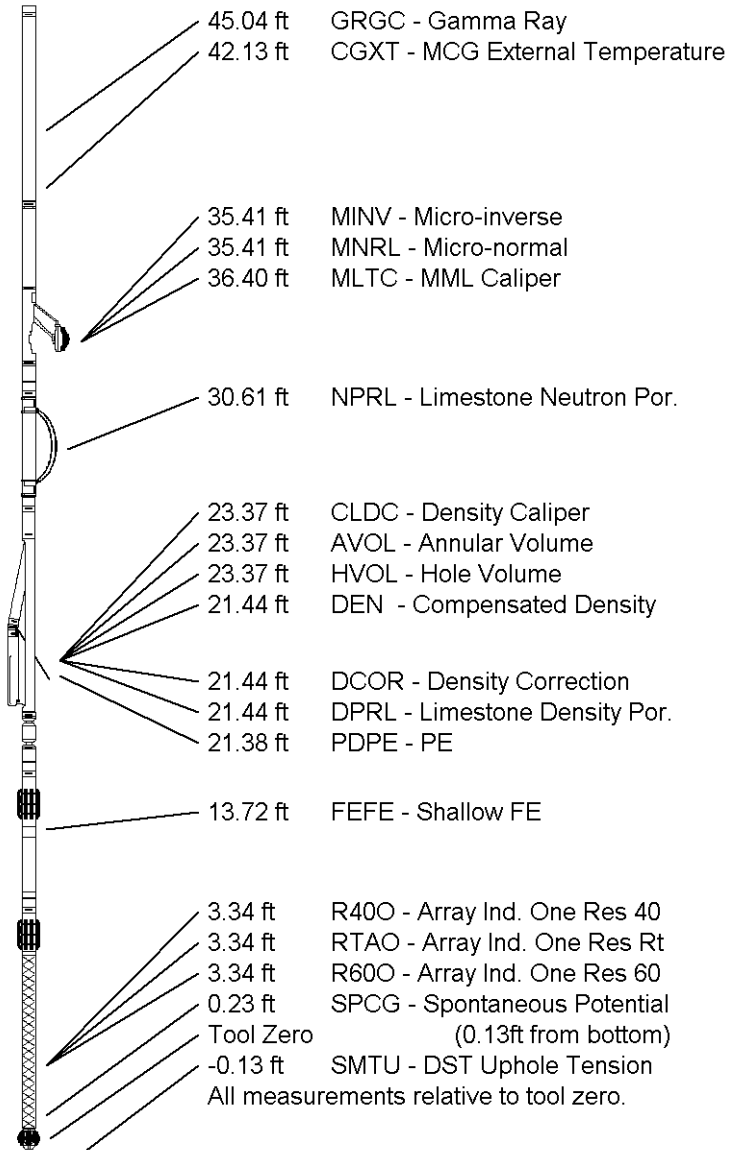
Compact Density/Caliper
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 37 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 50.32 ft Weight: 407.9 lb



COMPANY	MCCOY PETROLEUM CORP.
WELL	SCHMIDT A #6-29
FIELD	LETTE SE
PROVINCE/COUNTY	HASKELL
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	2854.00	feet	First Reading	4797.00	feet
Elevation Drill Floor	2852.00	feet	Depth Driller	4825.00	feet
Elevation Ground Level	2841.00	feet	Depth Logger	4821.00	feet



COMPACT PHOTO DENSITY

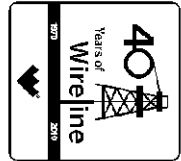




Weatherford

MICRORESISTIVITY LOG

COMPANY **MCCOY PETROLEUM CORP.**
 WELL **SCHMIDT A #6-29**
 FIELD **LETTE SE**
 PROVINCE/COUNTY **HASKELL**
 COUNTRY/STATE **U.S.A. / KANSAS**
 LOCATION **150' W OF C SW**



SEC **TWP** **RGE** Other Services
30S **31W** **MAI/MFE**
 API Number **15-081-21953** **MIDN/MPD**
 Permit Number

Permanent Datum G.L., Elevation 2841 feet
 Log Measured From K.B. @ 13 FEET above Permanent Datum
 Drilling Measured From K.B. Elevations: KB 2854.00
 DF 2852.00
 GL 2841.00

Date	27-JUL-2011
Run Number	ONE
Depth Driller	4825.00 feet
Depth Logger	4821.00 feet
First Reading	4785.00 feet
Last Reading	3800.00 feet
Casing Driller	1832.00 feet
Casing Logger	1827.00 feet
Bit Size	7.875 inches
Hole Fluid Type	CHEMICAL
Density / Viscosity	9.30 lb/USg 49.00 CP
PH / Fluid Loss	9.50 8.80 ml/30Min
Sample Source	FLOWLINE
Rm @ Measured Temp	0.79 @ 93.0 ohm-m
Rmf @ Measured Temp	0.63 @ 93.0 ohm-m
Rmc @ Measured Temp	0.95 @ 93.0 ohm-m
Source Rmf / Rmc	CALC CALC
Rm @ BHT	0.62 @ 118.0 ohm-m
Time Since Circulation	4 HOURS
Max Recorded Temp	118.00 deg F
Equipment Name	COMPACT
Equipment / Base	13057 LIB
Recorded By	L. SCOTT
Witnessed By	TIM PRIEST
S.O.# / JOB#	3531111 LB11-179

BOREHOLE RECORD Last Edited: 27-JUL-2011 19:22

Bit Size inches	Depth From feet	Depth To feet
7.875	1827.00	4821.00

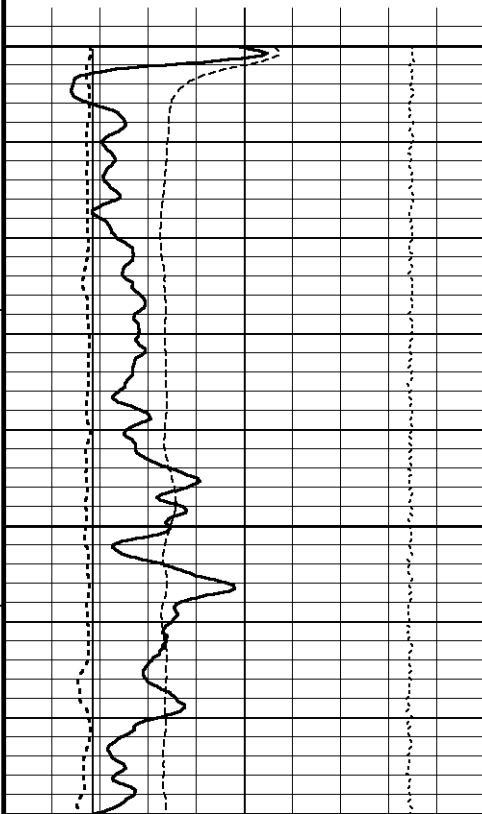
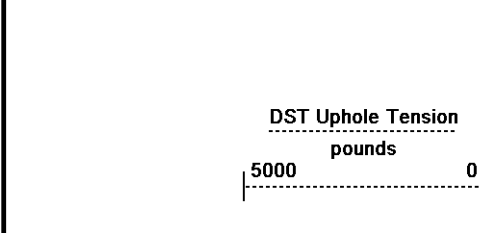
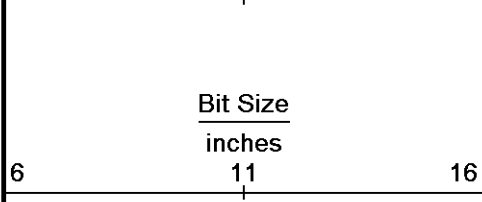
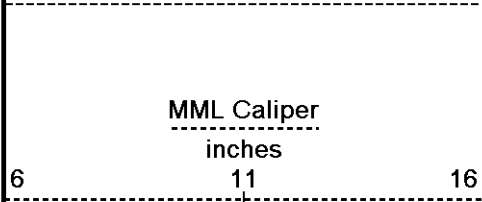
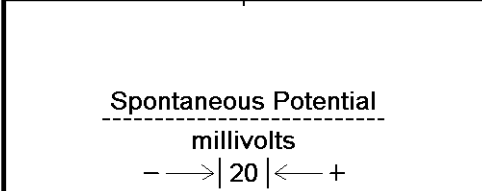
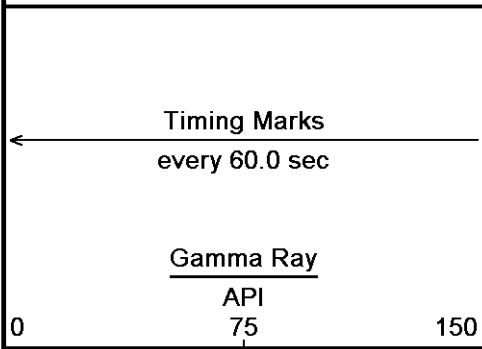
CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	1827.00	24.00

REMARKS

Tools Ran: MCG, MML, MDN, MPD, SKJ, MFE, MAI.
 Hardware Used: MDN Dual Eccentralizer used. MPD 8 inch profile plate used. MFE and MAI 0.5 inch standoffs used.
 2.71 g/cc Limestone Density Matrix used to calculate porosity.
 All intervals logged and scaled per customer's request.
 Annular volume with 4.5 inch production casing =323 cu. ft.
 Service order #3531111
 Rig: Sterling #5
 Engineer: L. Scott
 Operator(s): M. Stegman

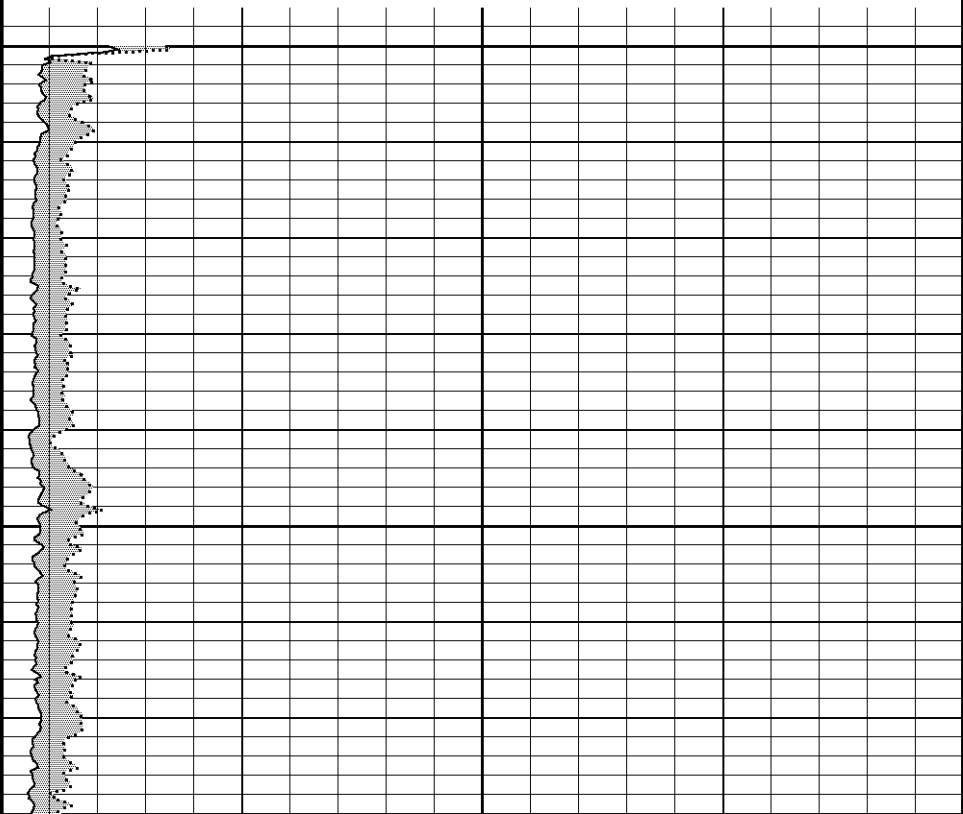
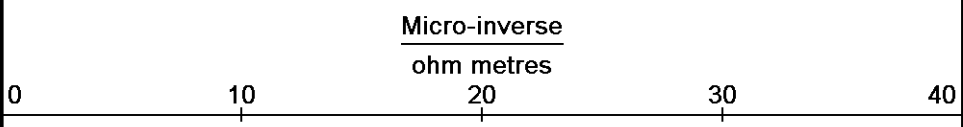
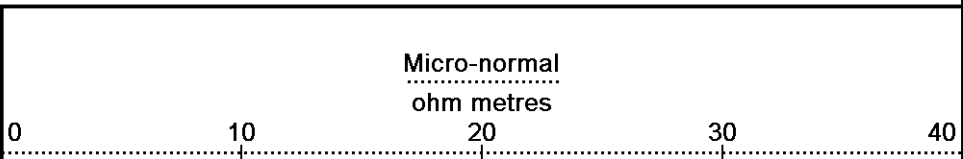
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not, guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions in our price schedule.

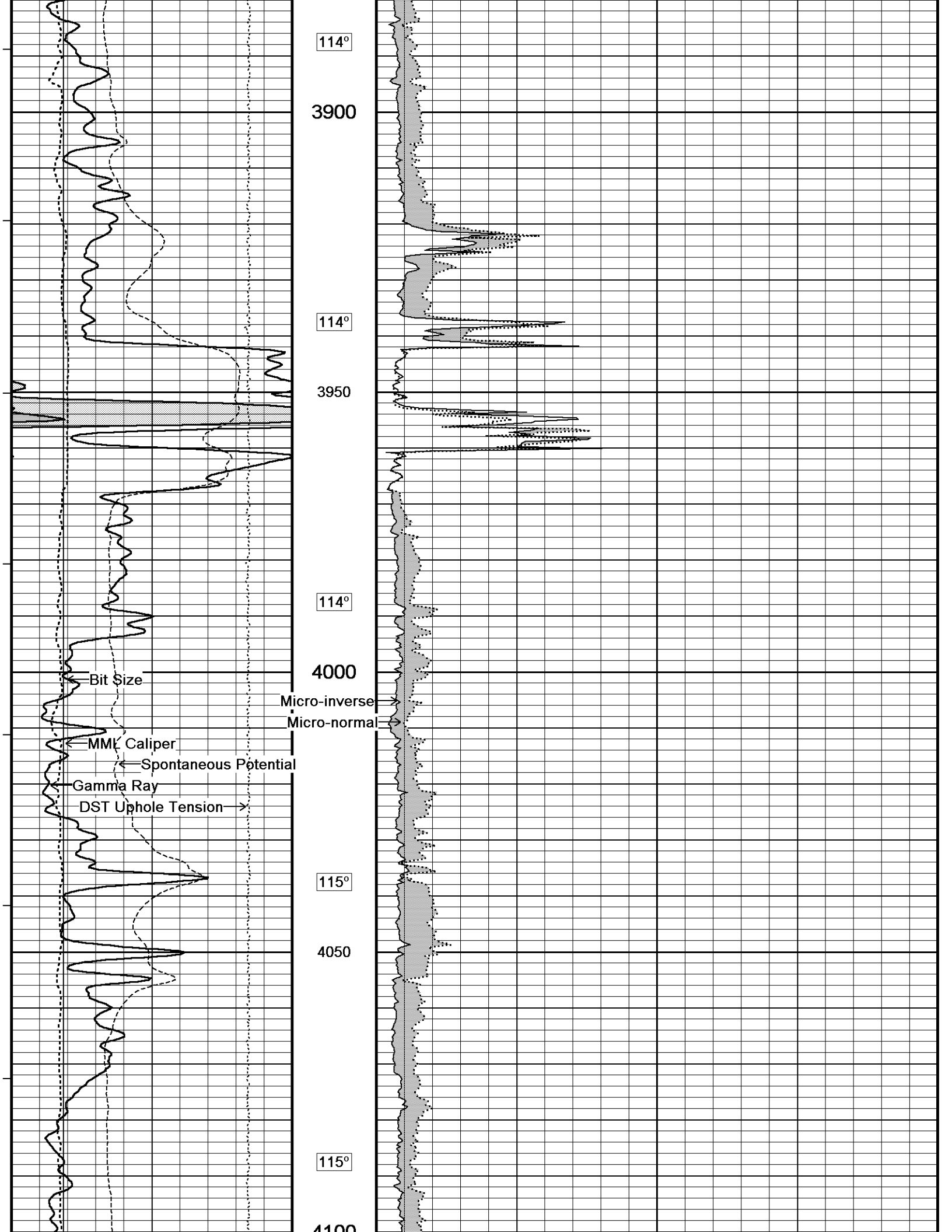


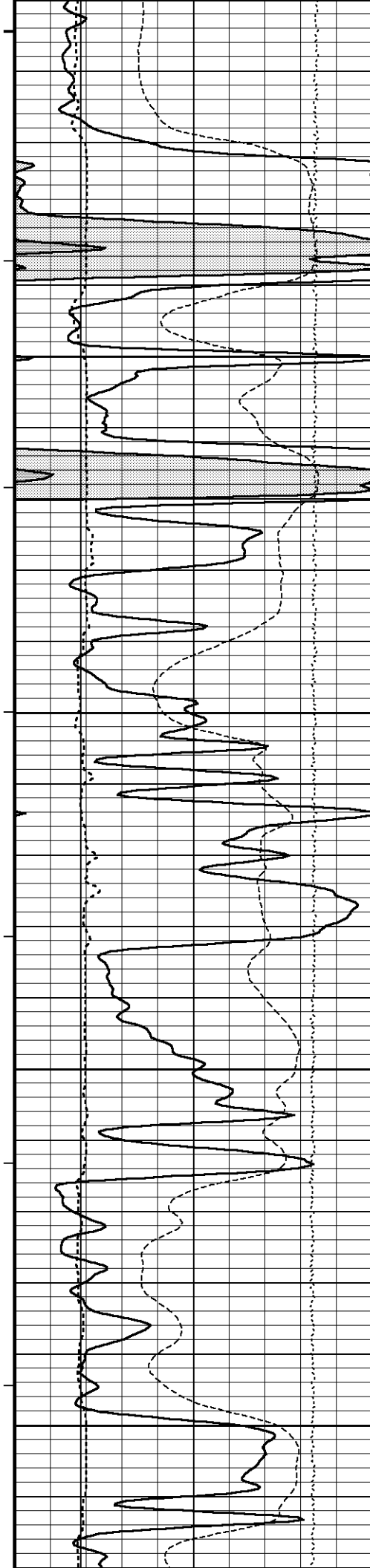
Depth
in
Feet

Borehole
Temp in
deg F

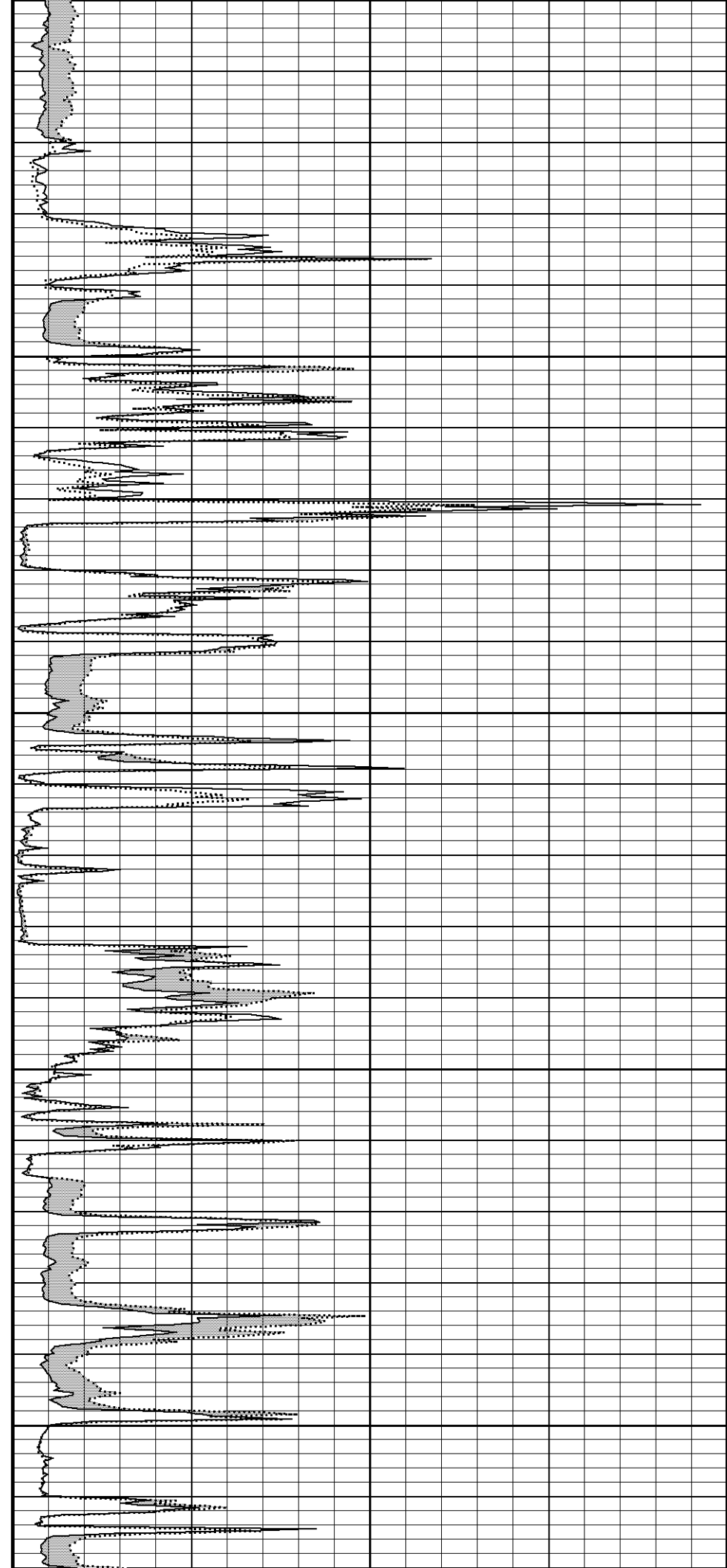
Replay
Scale
1:240

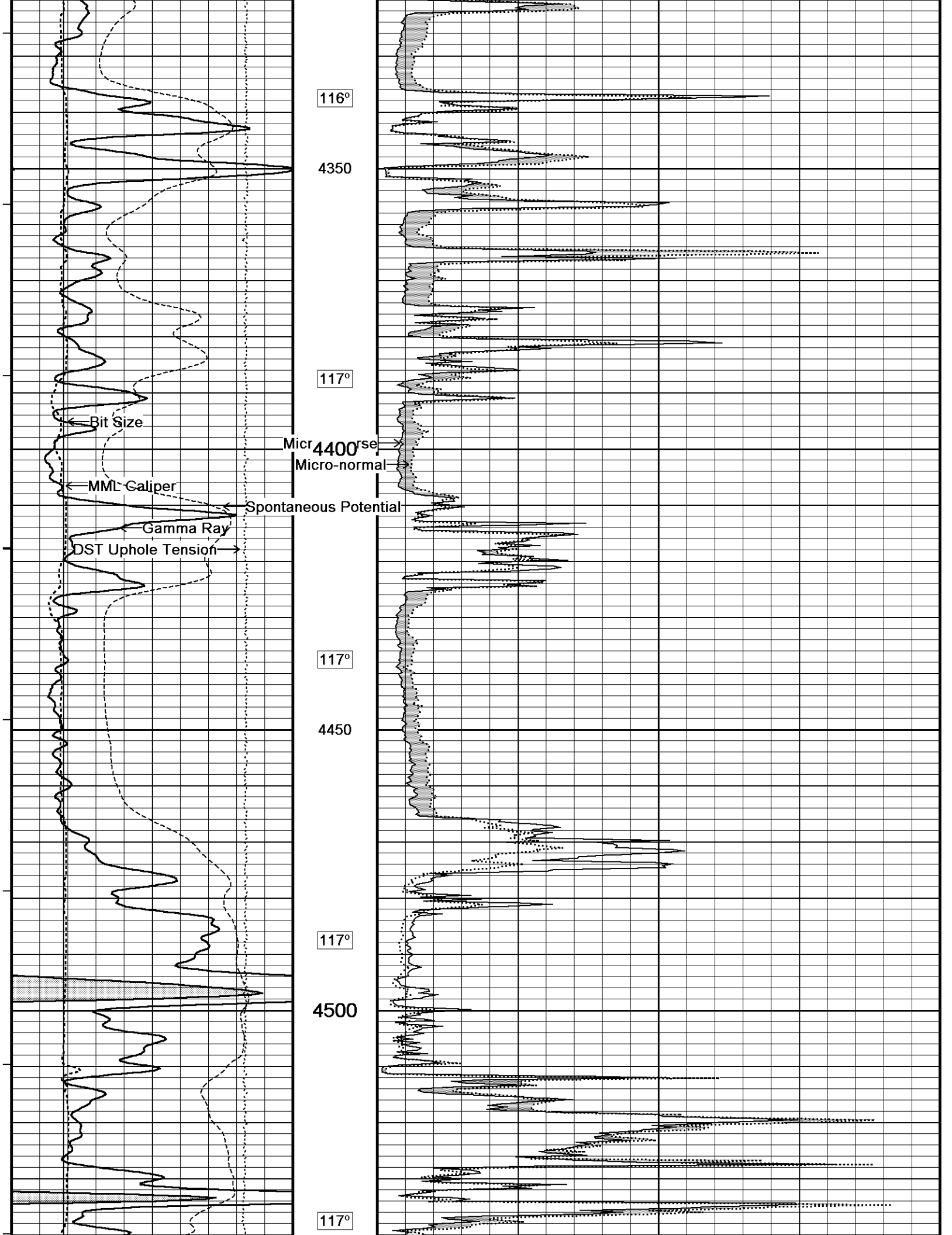


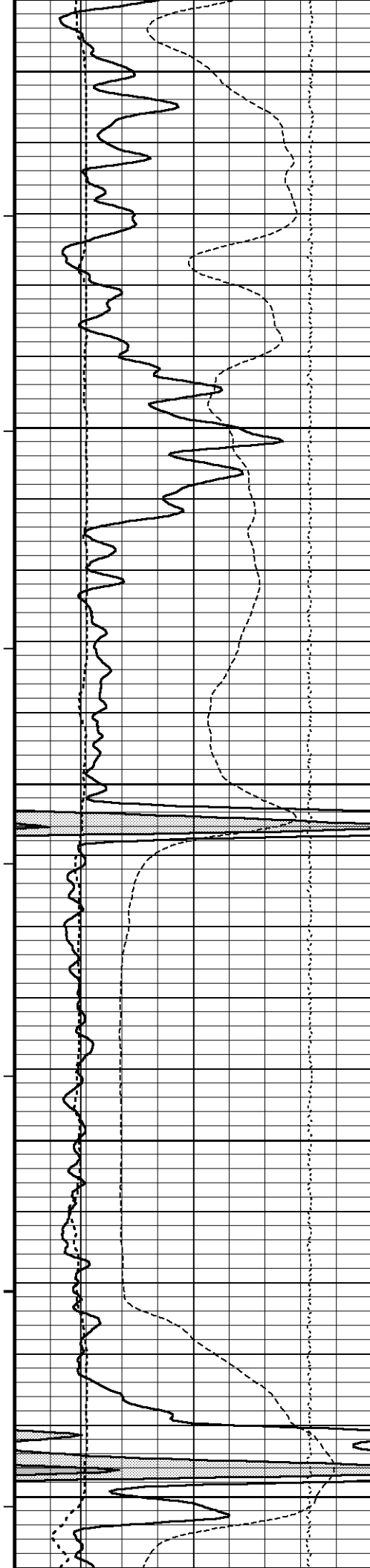




4100
115°
4150
115°
4200
116°
4250
116°
4300







4550

118°

4600

118°

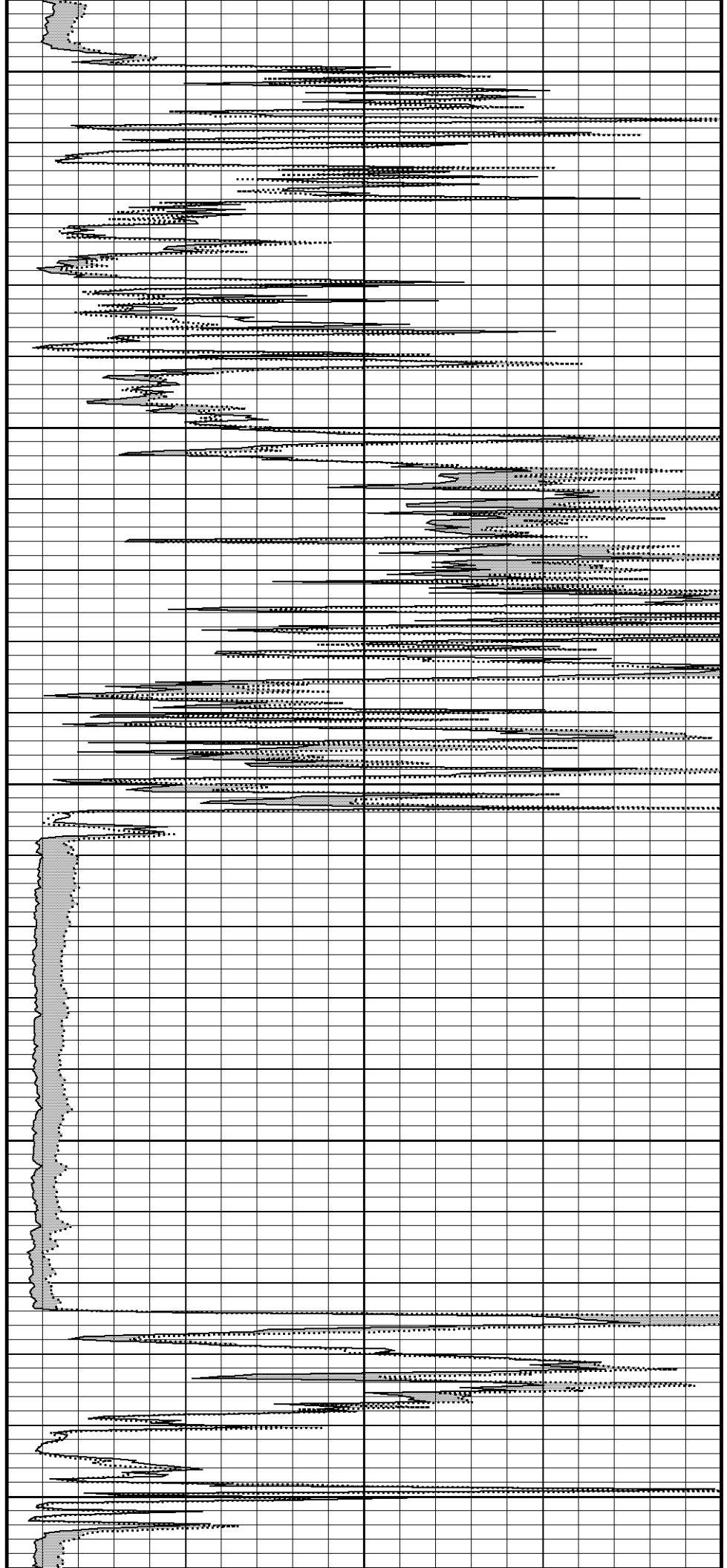
4650

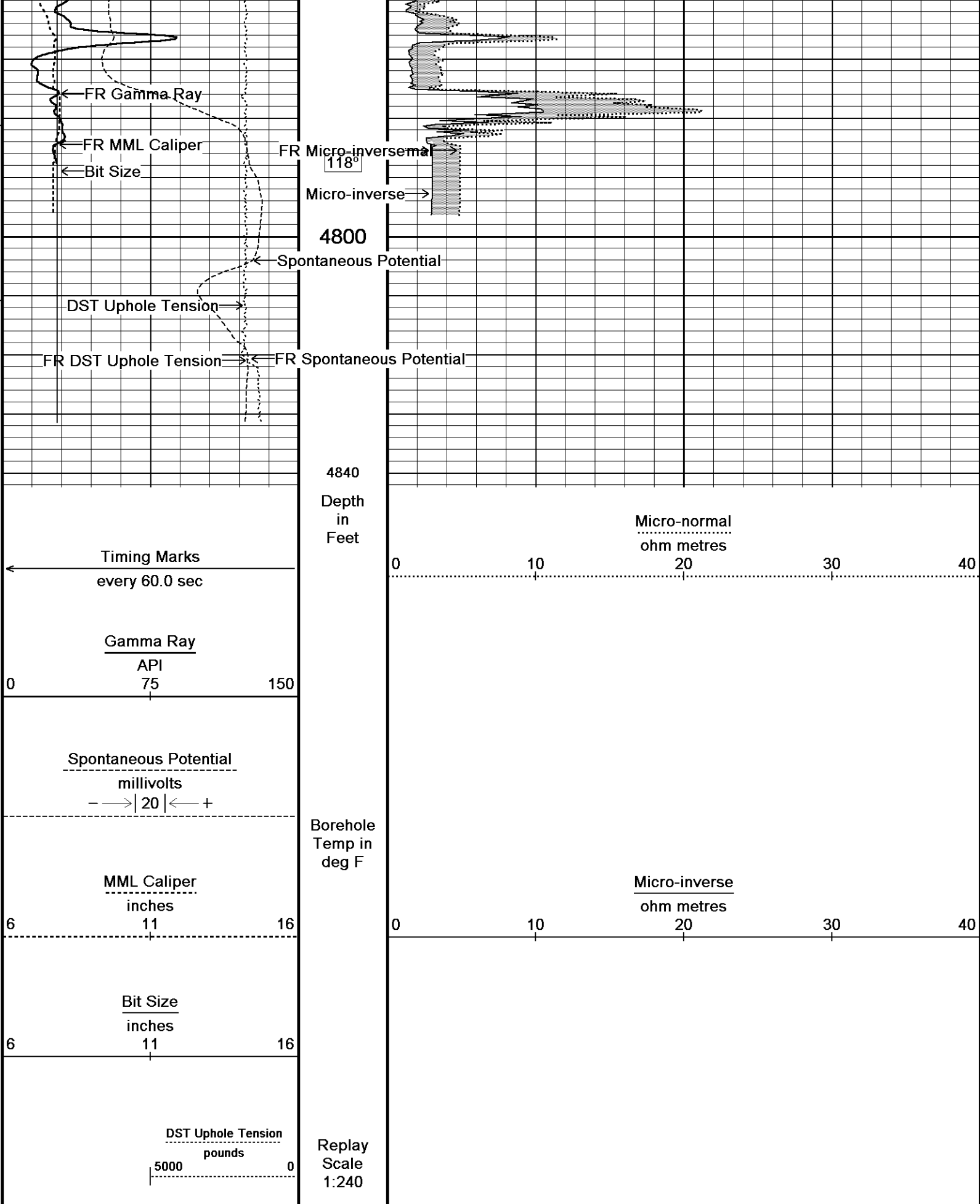
118°

4700

118°

4750





5 INCH REPEAT PASS

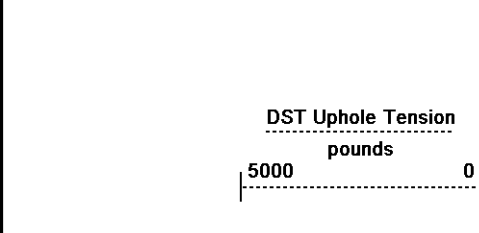
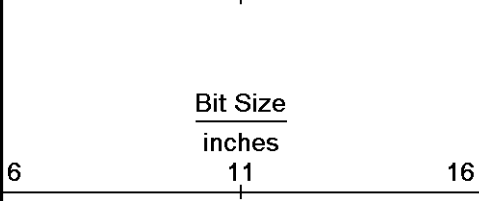
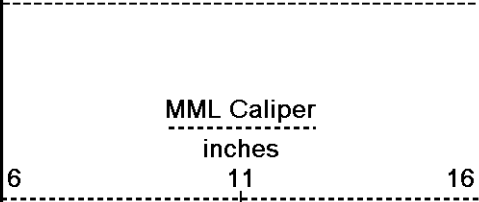
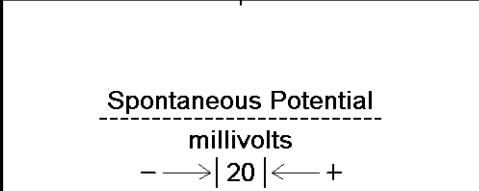
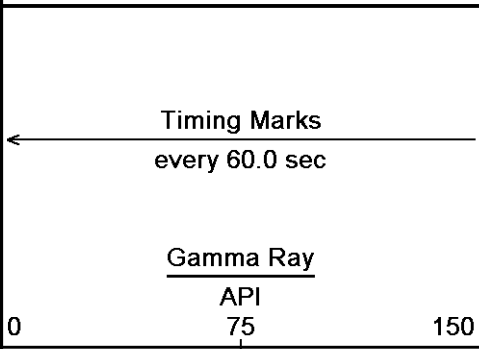
Depth Based Data - Maximum Sampling Increment 10.0cm

Plotted on 27-JUL-2011 20:17

Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta

Recorded on 27-JUL-2011 18:17

System Versions: Logged with 11.02.3186 Plotted with 11.02.3186



Depth in Feet

Borehole Temp in deg F

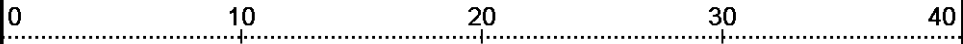
Replay Scale 1:240

4500

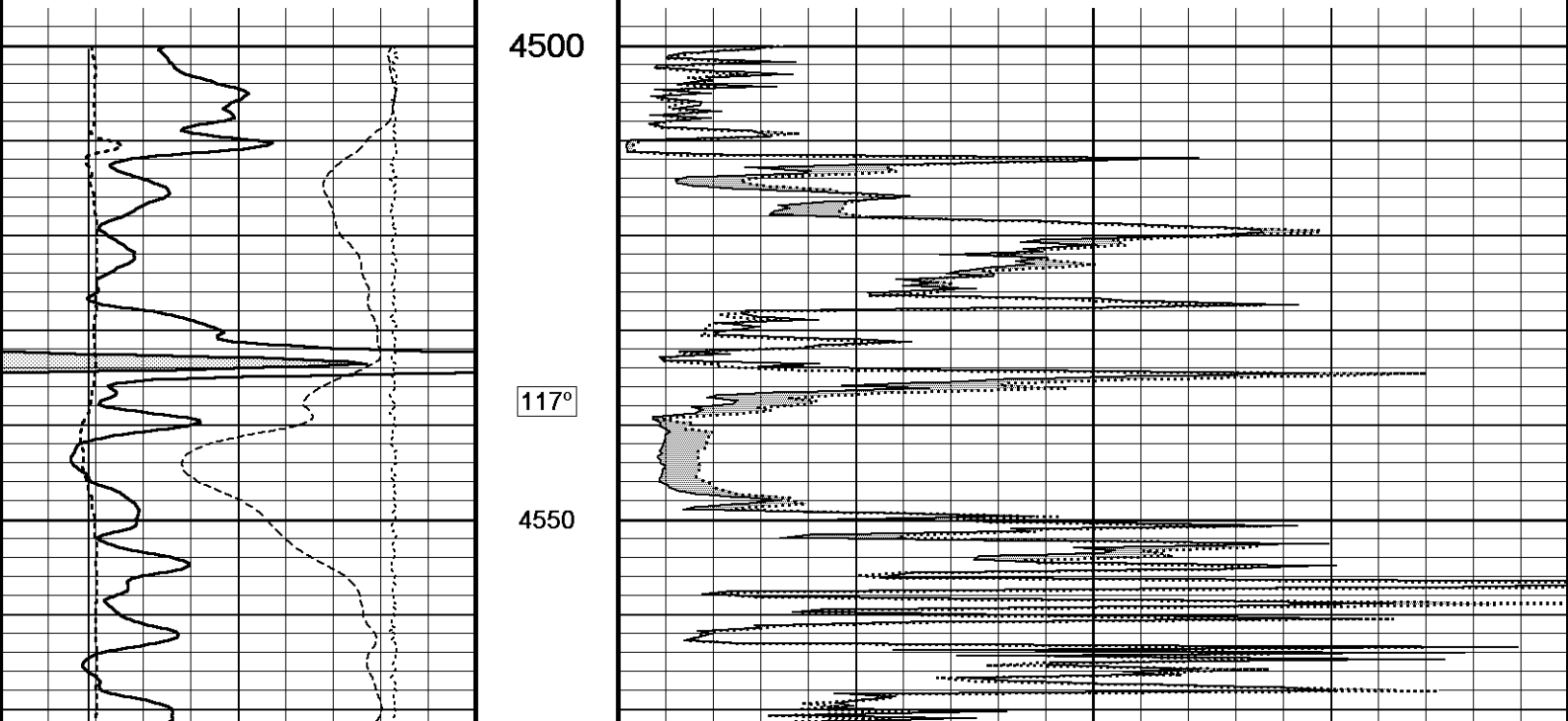
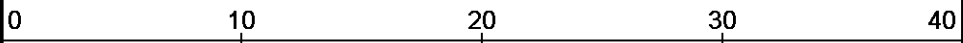
117°

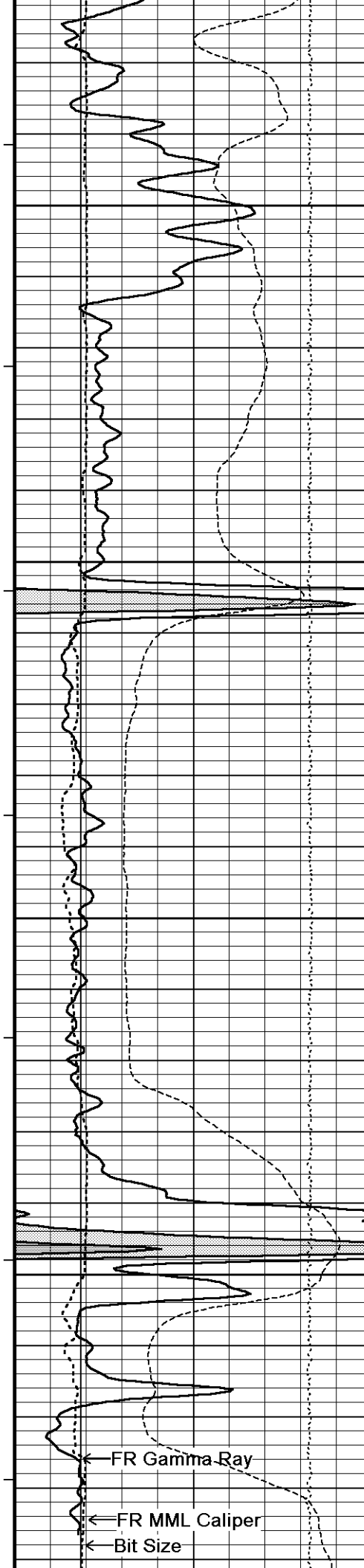
4550

Micro-normal ohm metres



Micro-inverse ohm metres





117°

4600

117°

4650

118°

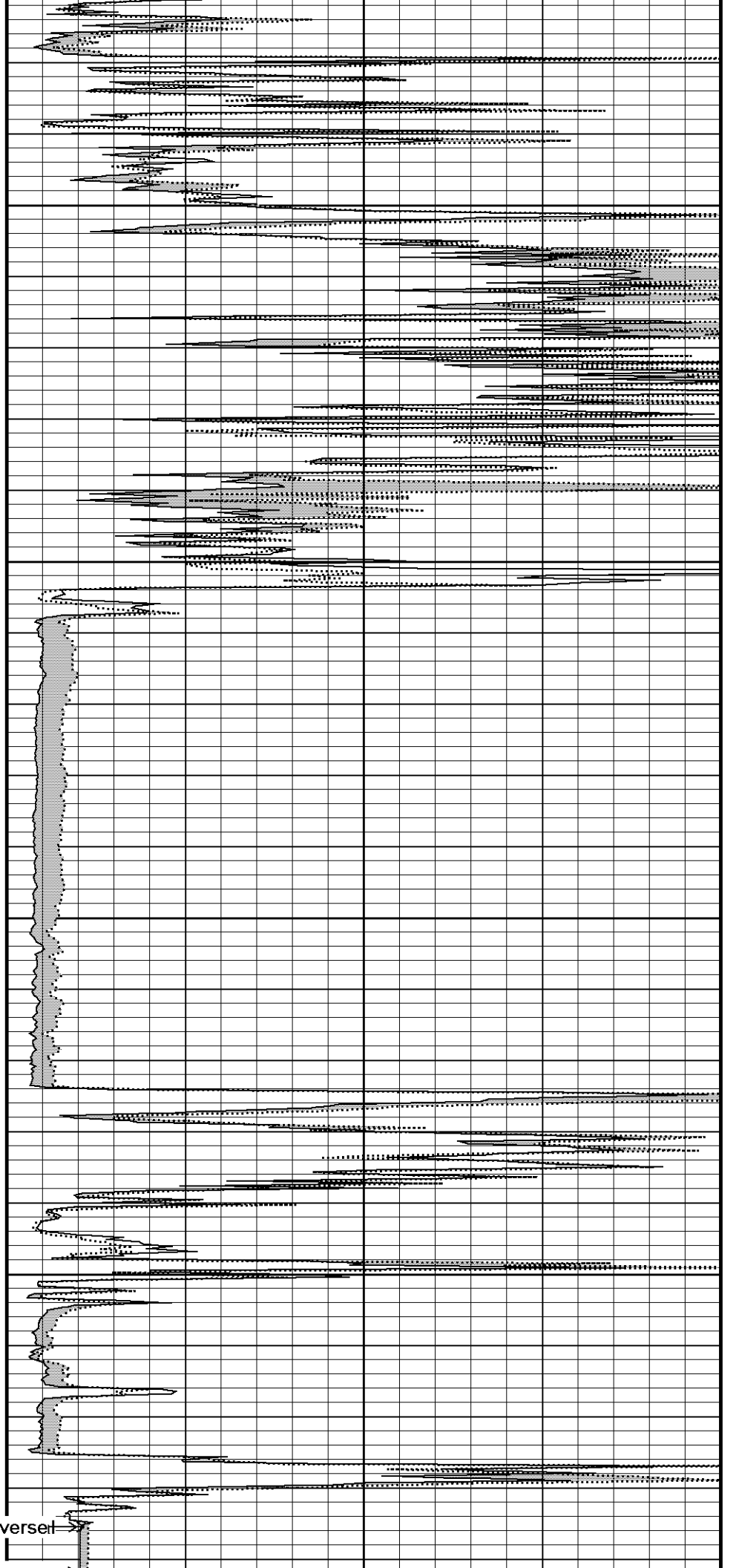
4700

118°

4750

117°

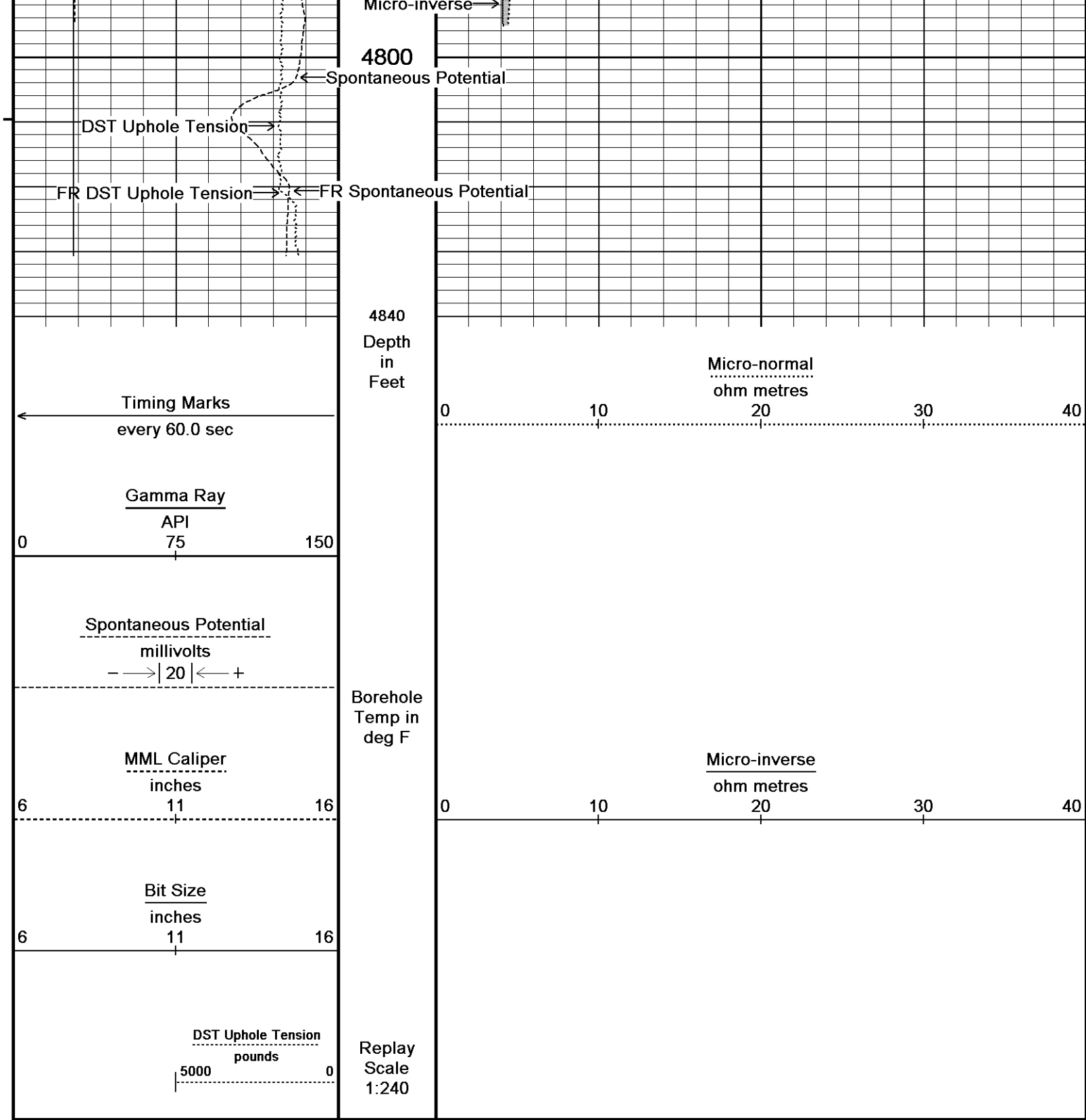
FR Micro-inversel



← FR Gamma Ray

← FR MML Caliper

← Bit Size



Depth Based Data - Maximum Sampling Increment 10.0cm
 Filename: C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29_001.dta
 System Versions: Logged with 11.02.3186 Plotted with 11.02.3186
 Plotted on 27-JUL-2011 20:17
 Recorded on 27-JUL-2011 18:17

↑ 5 INCH REPEAT PASS ↑

BEFORE SURVEY CALIBRATION
 C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

General Constants All 000 Last Edited on 27-JUL-2011,16:52

General Parameters
 Mud Resistivity 0.790 ohm-metres
 Mud Resistivity Temperature 93.000 degrees F

Water Level	0.000	feet
Density/Neutron Processing	Wet Hole	
Hole/Annular Volume and Differential Caliper Parameters		
HVOL Method	Single Caliper	
HVOL Caliper 1	Density Caliper	
HVOL Caliper 2	N/A	
Annular Volume Diameter	4.500	inches
Caliper for Differential Caliper	Density Caliper	
Rwa Parameters		
Porosity used	Base Density Porosity	
Resistivity used	Array Ind. One Res Rt	
RWA Constant A	1.000	
RWA Constant M	2.000	

Down-hole Tension Calibration SMS 0			Field Calibration on 05-JUN-2011 04:37
Reading No	Measured	Calibrated (lbs)	
1	13499.89	0.00	
2	14983.70	496.00	

High Resolution Temperature Calibration MCG-B 34			Field Calibration on 05-MAR-2011,23:56
	Measured	Calibrated(Deg F)	
Lower	50.00	50.00	
Upper	75.00	75.00	

High Resolution Temperature Constants MCG-B 34		Last Edited on
Pre-filter Length	11	

SP Calibration MCG-B 34			Field Calibration on 11-JUL-2011 12:13
	Measured	Calibrated (mV)	
Reference 1	106.9	100.0	
Reference 2	-94.7	-100.0	

Gamma Calibration MCG-B 34			Field Calibration on 27-JUL-2011 14:31
	Measured	Calibrated (API)	
Background	70	48	
Calibrator (Gross)	1122	773	
Calibrator (Net)	1053	725	

Gamma Constants MCG-B 34			Last Edited on 21-JUL-2011,08:57
Gamma Calibrator Number	grc38		
Mud Density	1.00	gm/cc	
Caliper Source for Processing	Density Caliper		
Tool Position	Eccentred		
Concentration of KCl	0.00	kppm	

Micro Normal and Micro Inverse Calibration MML-A 4				Base Calibration on 16-MAY-2011 09:23	Field Check on 27-JUL-2011 14:16
Base Calibration					
		Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2	
Micro Normal	12.1	60.1	2.6	12.8	
Micro Inverse	15.6	78.3	1.7	8.4	
Channel	Base Check (ohm-m)		Field Check (ohm-m)		
Micro Normal	32.2		32.2		
Micro Inverse	16.3		16.3		

Micro Normal and Micro Inverse Constants MML-A 4			Last Edited on 19-JUL-2011,11:17
Pad Type	8-12 in Soft Rubber Inflatable 006-9011-159		
Micro Normal K Factor	0.5110		
Micro Inverse K Factor	0.3380		
Standoff Offset	N/A		inches

Caliper Calibration MML-A 4			Base Calibration on 16-MAY-2011 09:38	Field Calibration on 27-JUL-2011 14:15
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Base Calibration		
Reading No	Measured	Calibrator Size (in)
1	14953	5.98
2	18280	7.97
3	21656	9.86
4	25588	11.92
5	0	0.00
6	N/A	N/A

Field Calibration		
	Measured Caliper (in)	Actual Caliper (in)
	6.03	5.98

Neutron Calibration MDN-A.B 65

Base Calibration on 02-JUL-2011 23:27
Field Check on 27-JUL-2011 14:37

Base Calibration				
	Measured		Calibrated (cps)	
	Near	Far	Near	Far
Ratio	3269	103	3714	110
	31.795		33.764	
Field Calibrator at Base			Calibrated (cps)	
Ratio			1562	2227
			0.701	
Field Check			Calibrated (cps)	
Ratio			1562	2257
			0.692	

Neutron Constants MDN-A.B 65

Last Edited on 27-JUL-2011,16:52

Neutron Source Id	757	
Neutron Jig Number	5824NE	
Epithermal Neutron	No	
Caliper Source for Processing	Density Caliper	
Stand-off	0.00	inches
Mud Density	1.00	gm/cc
Limestone Sigma	7.10	cu
Sandstone Sigma	4.26	cu
Dolomite Sigma	4.70	cu
Formation Pressure Source	None	
Formation Pressure	N/A	kpsi
Temperature Source	Constant Value	
Temperature	68.00	degrees F
Mud Salinity	0.00	kppm
Formation Fluid Salinity Source	Constant Value	
Formation Fluid Salinity	0.00	kppm
Barite Mud Correction	Not Applied	

FE Calibration MFE-A.A 55

Base Calibration on 21-JUN-2011 10:19
Field Check on 27-JUL-2011 14:13

Base Calibration		
	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	953.6	126.8
Base Check		281.3
Field Check		281.2

FE Constants MFE-A.A 55

Last Edited on 27-JUL-2011,14:50

Running Mode	No Sleeve	
MFE K Factor	0.1268	
Caliper Source for FE correction	Density Caliper	
Caliper Value for FE correction	N/A	inches
Rm Source for FE correction	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Stand-off	0.5	inches

High Resolution Temperature Calibration MAI-A.A 45

Field Calibration on 13-AUG-2010,13:31

Lower	Measured	50.00	Calibrated(Deg F)	50.00
Upper		100.00		100.00

High Resolution Temperature Constants MAI-A.A 45

Last Edited on

Pre-filter Length 11

Induction Calibration MAI-A.A 45

Base Calibration on 13-AUG-2010,13:32
Field Check on 27-JUL-2011 14:49

Base Calibration

Test Loop Calibration

Channel	Measured		Calibrated (mmho/m)	
	Low	High	Low	High
1	14.5	473.5	9.3	966.2
2	5.2	373.4	7.6	821.4
3	2.8	260.6	5.2	566.0
4	1.6	132.2	2.6	279.2

Array Temperature 86.2 Deg F

Channel	Base Check (mmho/m)		Field Check (mmho/m)	
	Low	High	Low	High
1	0.0	0.0	20.4	3847.5
2	0.0	0.0	33.4	3633.0
3	0.0	0.0	30.3	3051.2
4	0.0	0.0	20.6	2094.3
Deep	0.0	0.0	18.2	1920.9
Medium	0.0	0.0	43.5	4052.1
Shallow	0.0	0.0	50.8	5477.8

Array Temperature 0.0 97.4 Deg F

Induction Constants MAI-A.A 45

Last Edited on 27-JUL-2011,14:51

Induction Model	RtAP-WBM	
Caliper for Borehole Corr.	Density Caliper	
Hole Size for Borehole Correction	N/A	inches
Tool Centred	No	
Stand-off Type	Fins	
Stand-off	0.50	inches
Number of Fins on Stand-off	8.0000	
Stand-off Fin Angle	45.00	degrees
Stand-off Fin Width	0.5000	inches
Borehole Corr. Rm Source	Temperature Corr	
Temp. for Rm Corr.	MCG External Temperature	
Squasher Start	0.0020	mhos/metre
Squasher Offset	N/A	mhos/metre

Borehole Normalisation

DRM1	0.0000	DRC1	0.0000
DRM2	0.0000	DRC2	0.0000
MRM1	0.0000	MRC1	0.0000
MRM2	0.0000	MRC2	0.0000
SRM1	0.0000	SRC1	0.0000
SRM2	0.0000	SRC2	0.0000

Calibration Site Corrections

Channel 1	0.00	mmhos/metre
Channel 2	0.00	mmhos/metre
Channel 3	0.00	mmhos/metre
Channel 4	0.00	mmhos/metre

Apparent Porosity and Water Saturation Constants

Archie Constant (A)	1.00	
Cementation Exponent (M)	2.00	
Saturation Exponent (N)	2.00	
Saturation of Water for Apor	100.00	percent
Resistivity of Water for Apor and Sw	0.05	ohm-m
Resistivity of Mud Filtrate for Sw	0.00	ohm-m
Source for Rt	0.00	
Source for Rxo	0.00	

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	16370	3.99
2	25015	5.98
3	33579	7.97
4	41872	9.86
5	51168	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.92	5.98

Photo Density Calibration MPD-B 31

Base Calibration on 21-JUL-2011 08:42

Field Check on 27-JUL-2011 14:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	45837	23493	59556	30836
Reference 2	18956	1961	24941	2541

Field Check at Base

706.7 875.5

Field Check

706.8 872.3

PE Calibration

Base Calibration	WS	Measured		Calibrated Ratio
		WH	Ratio	
Background	131	621		
Reference 1	19154	45718	0.422	0.371
Reference 2	5486	18861	0.294	0.272

Field Check at Base

130.9 620.8

Field Check

130.4 620.7

Density Constants MPD-B 31

Last Edited on 27-JUL-2011,16:52

Density Source Id	254	
Nylon Calibrator Number	DNCE695	
Aluminium Calibrator Number	DACD698	
Density Shoe Profile	8 inch	
Caliper Source for Processing	Density Caliper	
PE Correction to Density	Not Applied	
Mud Density	1.12	gm/cc
Mud Density Z/A Multiplier	1.11	
Mud Filtrate Density	1.00	gm/cc
Dry Hole Mud Filtrate Density	1.00	gm/cc
DNCT	0.00	gm/cc
CRCT	0.00	gm/cc
Density Z/A Correction	Hybrid	
Matrix Density (gm/cc)	Depth (ft)	
2.71	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	
0.00	0.00	

DOWNHOLE EQUIPMENT

C:\Minimus 11.02.3186\Data\McCoy Schmidt A #6-29\McCoy Schmidt A #6-29.dta

Compact Comms Gamma
MCG-B 34 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 4 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 65 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

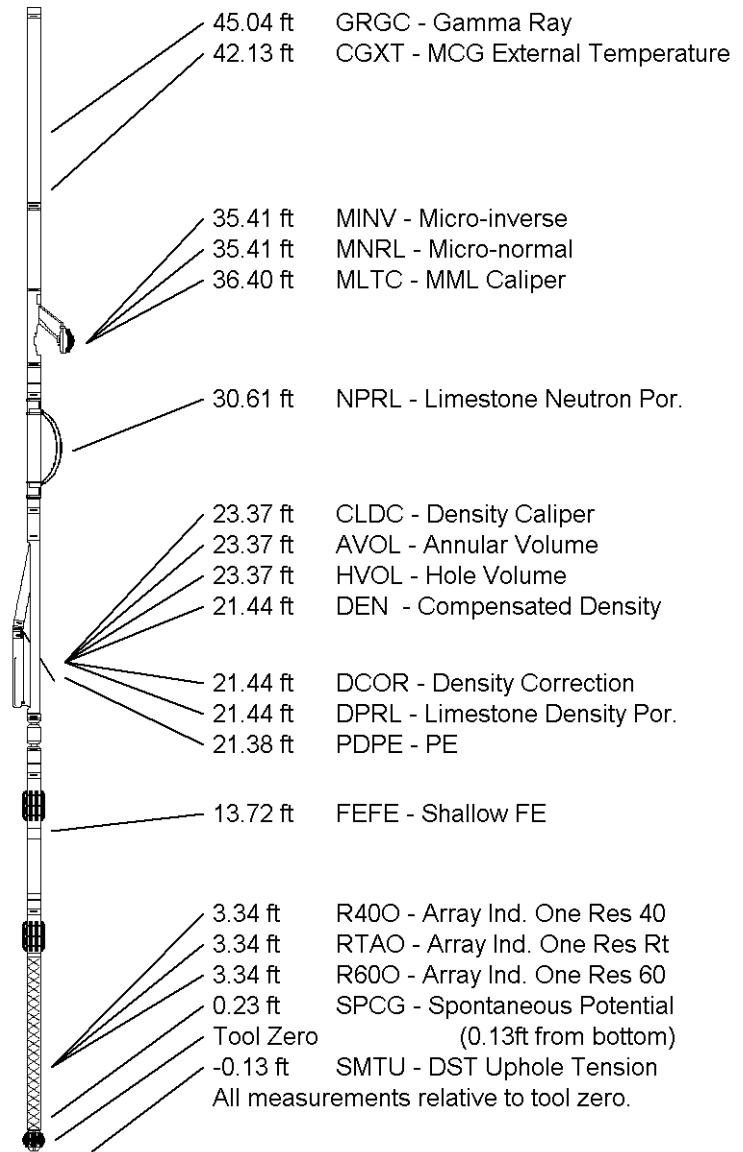
Compact Density/Caliper
MPD-B 31 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

SKJ-D.A Compact Knuckle Joint
SKJ-D.A 37 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-A.A 55 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Induction
MAI-A.A 45 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 50.32 ft Weight: 407.9 lb

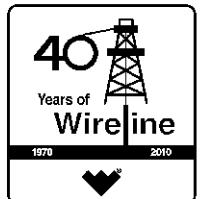


COMPANY MCCOY PETROLEUM CORP.
WELL SCHMIDT A #6-29
FIELD LETTE SE
PROVINCE/COUNTY HASKELL
COUNTRY/STATE U.S.A. / KANSAS

Elevation Kelly Bushing	2854.00	feet	First Reading	4785.00	feet
Elevation Drill Floor	2852.00	feet	Depth Driller	4825.00	feet
Elevation Ground Level	2841.00	feet	Depth Logger	4821.00	feet



MICRORESISTIVITY LOG



GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY **MOCCOY PETROLEUM CORP**
 LEASE **Schmidt A-6-29**
 FIELD **Little SF**
 LOCATION **150' W of SW**
 SEC **29 T1WSP 30S RGE 31W**
 COUNTY **Haskell STATE Kansas**

CONTRACTOR **Sterling Rig #5**
 SPUD **7-22-11** COMP **7-27-11**
 RTD **4825'** LTD ,
 MUD UP **3100'** TYPE MUD **Chemical**

SAMPLES SAVED FROM **4000'** to **RTD**
 DRILLING TIME KEPT FROM **4000'** to **RTD**
 SAMPLES EXAMINED FROM **4000'** to **RTD**
 GEOLOGICAL SUPERVISION FROM **4250'** to **RTD**

GEOLOGIST ON WELL **Tim Priest**
 By: **Weathford**

FORMATION TOPS

Heebner Shale **4167 (-1313)**
 Lansing **4234 (-1380)**
 Stark **4654 (-1800)**
 Hushpuckney **4794 (-1891)**
 Marmaton **4810 (-1956)**

ELECTRIC LOG SAMPLE

Heebner Shale **4167 (-1313)**
 Lansing **4234 (-1380)**
 Stark **4654 (-1800)**
 Hushpuckney **4794 (-1891)**
 Marmaton **4810 (-1956)**

CONDUCTIVITY **N/A**

SURFACE **8-5/8" @ 4825'**

PRODUCTION **4-1/2" @ 4825'**

ELECTRICAL SURVEYS **CND/D/SP/P.E.**

Measurements Are All **From KB**

CASING **CONDUCTIVITY N/A**

REMARKS **Due to the structural position and positive shows it was decided to set production casing to further test the well.**

Respectfully Submitted,

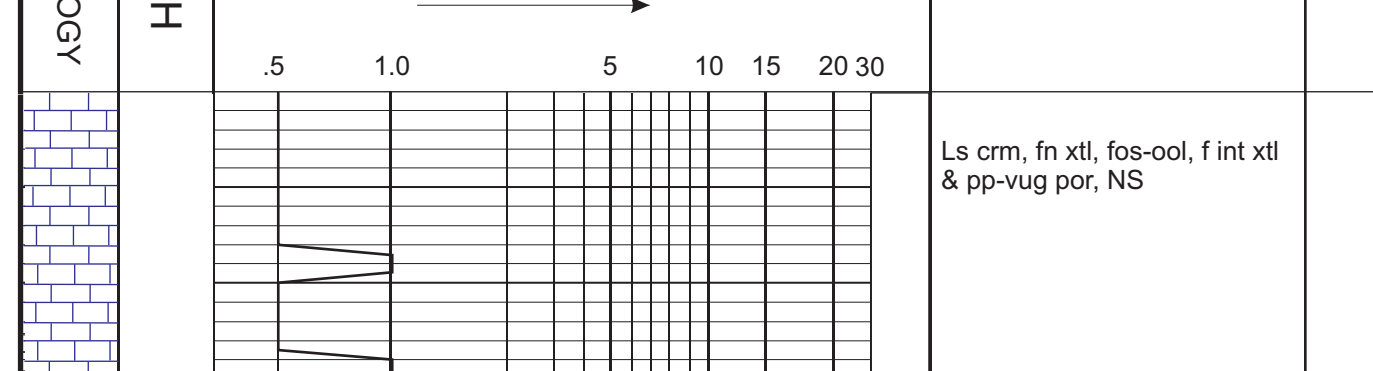
Tim Priest
Petroleum Geologist

API #15-081-21953-00-00



DEPTH	ELECTRIC LOG	SAMPLE
Heebner Shale	4167 (-1313)	4167 (-1313)
Lansing	4234 (-1380)	4234 (-1380)
Stark	4654 (-1800)	4654 (-1800)
Hushpuckney	4794 (-1891)	4794 (-1891)
B/KC	4794 (-1940)	4794 (-1940)
Marmaton	4810 (-1956)	4810 (-1956)

LEGEND



DEPTH	DRILLING TIME IN MINUTES PER FOOT Rate of Penetration Decreases →	SAMPLE DESCRIPTION	REMARKS
0-5	0.5	Ls crm, fn xtl, fos-ool, f int xtl & pp-vug por, NS	
5-10	1.0	Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS	
10-15	1.0	Ls crm-lt gry, vfn xtl, dnse	
15-20	1.0	Ls crm-gry, fn xtl, chky, dnse	
20-25	1.0	Dol tan, fn xtl, suc, f int xtl-pp por, NS	
25-30	1.0	Dol crm-tan, vfn xtl, suc, f int xtl & pp-vug por, NS	
30-35	1.0	Sh blk carb	
35-40	1.0	Ls tan-gry, vfn xtl, sli fos, dnse	Heebner 4167 (-1312)
40-45	1.0	Sh blk, carb	
45-50	1.0	Sh gry, calc	
50-55	1.0	Ls crm-tan, fn xtl, fos, p int xtl por, NS	
55-60	1.0	Sh gry w/int bed crm-gry dnse Ls	
60-65	1.0	Sh gry-brn, calc	Lansing 4234 (-1379)
65-70	1.0	Ls tan-brn, vfn xtl, sli fos, dnse	
70-75	1.0	Ls crm-tan, vfn xtl, sli chly, dnse	
75-80	1.0	Sh gry	
80-85	1.0	Sh gry	
85-90	1.0	Ls crm-lt gry, vfn xtl, dnse	
90-95	1.0	Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS	
95-100	1.0	Sh gry, calc	
100-105	1.0	Ls crm, fn xtl, sli fos, chky, most dnse	
105-110	1.0	Ls crm, fn xtl, ool, chky, f int xtl & ooc por, NS	
110-115	1.0	Ls crm, fn xtl, sli fos, chky, most dnse	
115-120	1.0	Ls crm, fn xtl, fos, chky, p-f int xtl-pp por, NS	
120-125	1.0	Ls crm-lt gry, vfn xtl, dnse	
125-130	1.0	Ls crm, fn xtl, ool, chky, f int xtl int ool por,	
130-135	1.0	Ls crm-tan, vfn xtl, chly, dnse	
135-140	1.0	Ls crm, fn xtl, ool, chky, f-gd int xtl & ooc por, NS	
140-145	1.0	Ls crm, fn xtl, ool, sli chky, f int xtl & ooc por, NS	
145-150	1.0	Ls tan-brn, vfn xtl, dnse	
150-155	1.0	Ls gry, vfn xtl, sli fos, sli chly	
155-160	1.0	Sh blk, carb	
160-165	1.0	Ls lt gry, w/gry-dk gry Sh	
165-170	1.0	Ls crm, vfn xtl, dnse	
170-175	1.0	Ls crm-lt gry, fn xtl, fos, p-f int xtl-pp por, NS	
175-180	1.0	Ls lt gry-gry, vfn xtl, dnse	
180-185	1.0	Sh gry	
185-190	1.0	Ls crm-lt gry, fn xtl, fos, chky, f int xtl-pp por, NS	
190-195	1.0	Ls crm-tan, mic xtl, dnse	
195-200	1.0	Ls crm-gry, vfn xtl, sli fos, dnse	
200-205	1.0	Ls crm-tan, fn xtl, fos, chky	
205-210	1.0	Ls tan-gry moltd, vfn xtl, dnse	
210-215	1.0	Ls crm-gry, vfn xtl, chky, dnse	
215-220	1.0	Ls tan-gry, vfn xtl, sli chky, dnse	
220-225	1.0	Sh blk, carb, 80ugk	
225-230	1.0	Ls crm-tan, fn xtl, ool, chky, f-gd int xtl & ooc por, sptd-most sat stn on 80%, FSFO, f odor, bri fluor, 155ugk	Stark Shale 4654 (-1799)
230-235	1.0	Ls crm-tan, fn xtl, ool, f-gd int xtl & ooc por, sptd-most sat stn on 80%, FSFO, strong odor, bri fluor	
235-240	1.0	Ls crm-tan, fn xtl, ool, f-gd int xtl & ooc por, sptd-sat stn on 70%, FSFO, f odor, bri fluor	
240-245	1.0	Ls crm-tan, fn xtl, ool, chky, f-gd int xtl & ooc por, sptd-sat stn on 60%, FSFO, f odor, bri fluor	
245-250	1.0	Ls tan-gry, mic xtl, dnse	
250-255	1.0	Sh blk, carb, 120ugk	
255-260	1.0	Ls crm, fn xtl, fos, chky, dnse	
260-265	1.0	Ls crm-tan, fn xtl, fos-ool, f int xtl & int frag por, sptd-sat stn on 60%, FSFO, f odor, f fluor, 100ugk	
265-270	1.0	Ls crm-tan-gry, fn xtl, ool, f-gd int xtl & ooc por, sptd-sat stn on 40%, FSFO, f odor, f fluor	
270-275	1.0	Ls gry-dk gry, mic xtl, w/gry-dk gry Sh	B/KC 4794 (-1940)
275-280	1.0	Sh gry-blk	
280-285	1.0	Sh dk gry, calc	Marmaton 4810 (-1956)
285-290	1.0	Ls tan-gry, vfn xtl, dnse	
290-295	1.0		Total Depth 4825 (-1971)

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316-636-2737

WELL REPORT

McCoy Petroleum Corporation
Schmidt 'A' #6-29
150'W of C SW, Section 29-30S-31W
1320' FSL & 1170' FWL
Haskell County, Kansas
API# 15-081-21953-0000

Sample Tops

Heebner	4167 (-1313)
Lansing	4234 (-1380)
Stark	4654 (-1800)
Swope Por.	4659 (-1805)
Hushpuckney	4745 (-1891)
RTD	4825 (-1971)

Log Tops

Heebner	4163 (-1309)
Lansing	4232 (-1378)
Stark	4654 (-1800)
Swope Por.	4658 (-1804)
Hushpuckney	4740 (-1886)
LTD	4821 (-1967)