KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1070273

Form ACO-1
June 2009
Form Must Be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 3581
Name: Red Oak Energy, Inc.
Address 1: 7701 E KELLOGG DR STE 710
Address 2: PO BOX 783140
City: WICHITA State: KS Zip: 67207 + 1738
Contact Person: Sean Deenihan
Phone: (316) 652-7373
CONTRACTOR: License # 30606
Name: Murfin Drilling Co., Inc.
Wellsite Geologist: Sean Deenihan
Purchaser: Plains Marketing LP

Designate Type of Completion:

- [x] New Well
- [ ] Re-Entry
- [ ] Workover

- [x] 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 #:

11/30/2011	12/10/2011	12/21/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-199-20391-00-00
Spot Description:
NE - SW - NW - SW Sec. 35 Twp. 14 S. R. 41 [ ] East [x] West
1658 Feet from [ ] North / [x] South Line of Section
420 Feet from [ ] East / [x] West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- [ ] NE
- [ ] NW
- [ ] SE
- [x] SW

County: Wallace
Lease Name: Prairie Wind Well #: 1-35
Field Name:
Producing Formation: Morrow Sd
Elevation: Ground: 3778 Kelly Bushing: 3791
Total Depth: 5202 Plug Back Total Depth: 5148
Amount of Surface Pipe Set and Cemented at: 392 Feet
Multiple Stage Cementing Collar Used? [ ] Yes [x] No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from: 2867
feet depth to: 0 w/ 300 sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1800 ppm Fluid volume: 500 bbls
Dewatering method used: Evaporated

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

- [x] **Letter of Confidentiality Received**
  Date: 10/17/2012
- [ ] **Confidential Release Date:**
- [x] **Wireline Log Received**
- [x] **Geologist Report Received**
- [ ] **UIC Distribution**

ALT [ ] I [x] II [ ] III **Approved by:** NAOMI JAMES **Date:** 10/30/2012

Side Two

1070273

Operator Name: Red Oak Energy, Inc. Lease Name: Prairie Wind Well #: 1-35

Sec. 35 Twp. 14 S. R. 41 ☐ East ☑ West County: Wallace

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 ☑ Yes ☐ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☑ Yes ☐ No

Cores Taken ☐ Yes ☑ No

Electric Log Run ☑ Yes ☐ No

Electric Log Submitted Electronically ☑ Yes ☐ No
(If no, Submit Copy)

List All E. Logs Run:
Attached

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
B/Anhy	2863	928
Heebner Sh	4130	-339
Cherokee Sh	4772	-981
Morrow Sh	4994	-1201
Morrrow Sd	5006	-1215

CASING RECORD ☑ New ☐ 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
Surface	12.5	8.625	23	392	SMD	300	
Production	7.875	5.5	15.5	5192	EA-2 w/ flocele	150	

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 *(Amount and Kind of Material Used)*	Depth
4	5018-5024	Shot	

TUBING RECORD: Size: 2.875 Set At: 5142 Packer At:

Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 12/29/2011

Producing Method: ☑ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	180	0	0		39

DISPOSITION OF GAS:
☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION:
☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)*
☐ Other *(Specify)*

PRODUCTION INTERVAL:
5018-5024

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Form	ACO1 - Well Completion
Operator	Red Oak Energy, Inc.
Well Name	Prairie Wind 1-35
Doc ID	1070273

All Electric Logs Run

CND
ARRAY INDUCTION
SONIC
MICRO

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

Kansas
Corporation Commission

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

December 14, 2011

Sean Deenihan
Red Oak Energy, Inc.
7701 E KELLOGG DR STE 710
PO BOX 783140
WICHITA, KS 67207-1738

Re: ACO1
API 15-199-20391-00-00
Prairie Wind 1-35
SW/4 Sec.35-14S-41W
Wallace 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,
Sean Deenihan

SWIFT Services, Inc.

CHARGE TO: Red Oak
ADDRESS
CITY, STATE, ZIP CODE

TICKET
Nº 22515

PAGE 1 OF 2

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY	DATE	OWNER
1. Ness City KS	1-35	Prairie Wind	Wallace	KS	Sharon Springs	9 Dec 11	
2.	TICKET TYPE ☐ SERVICE ☐ SALES	CONTRACTOR MURFIN	RIG NAME/NO.	SHIPPED VIA KS	DELIVERED TO location	ORDER NO.	
3.	WELL TYPE oil	WELL CATEGORY Development	JOB PURPOSE cement long string		WELL PERMIT NO.	WELL LOCATION 35-14-41W	
4. REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
576		1			MILEAGE TRK 114	120	mi			6 00	720 00
579		1			Pump Charge	1	ea			1850 00	1850 00
402		1			Centralizers	5½	in	9	ea	70 00	630 00
403		1			Cement Basket	5½	in	2	ea	250 00	500 00
407		1			Insert Float Shoe w/ Auto Fill	5½	in	1	ea	350 00	350 00
408		1			D.V. Tool	5½	in	1	ea	3000 00	3000 00
417		1			D.V. latch down plug & baffle	5½	in	1	ea	200 00	200 00
419		1			Rotating head rental	5½	in	1	ea	200 00	200 00

LEGAL TERMS: Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT**, **RELEASE**, **INDEMNITY**, and **LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X

DATE SIGNED | TIME SIGNED ☐ A.M. ☐ P.M.

REMIT PAYMENT TO:

SWIFT SERVICES, INC.
P.O. BOX 466
NESS CITY, KS 67560
785-798-2300

SURVEY	AGREE	UN-DECIDED	DIS-AGREE
OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?			
WE UNDERSTOOD AND MET YOUR NEEDS?			
OUR SERVICE WAS PERFORMED WITHOUT DELAY?			
WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?			

ARE YOU SATISFIED WITH OUR SERVICE? ☐ YES ☐ NO

☐ CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL 1	7450 00
2	12749 18
subtotal	20,199 18
Wallace TAX 6.37%	881 84
TOTAL	21,081 02

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES The customer hereby acknowledges receipt of the materials and services listed on this ticket.

SWIFT OPERATOR A. Blubell | APPROVAL

Thank You!

SWIFT Services, Inc.

PO Box 466
Ness City, KS 67560
Off: 785-798-2300

TICKET CONTINUATION

TICKET No. 22515

CUSTOMER: Red Oak | WELL: Prairie Wind 1-35 | DATE: 4 Dec 11 | PAGE 2 OF 2

PRICE REFERENCE	SECONDARY REFERENCE/ PART NUMBER	ACCOUNTING LOC	ACCT	DF	TIME	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
330		1				SMD cement	300	sk			16 50	~~4950~~ ~~4840~~ 00
~~150~~ 325		1				Standard cement (For 9A-2)	150	sk			13 50	2025 00
284		1				calseal	700	lb	7	sk	35 00	245 00
283		1				salt	750	lb			0 20	150 00
286		1				halad-1	75	lb			7 ~~50~~	~~562 50~~ ~~525 00~~
276		1				flocele	125	lb			2 00	250 00
281		1				mud flush	500	gal			1 25	625 00
221		1				KCL liquid	4	gal			25 00	100 00
290		1				D-AIR	6	gal			35 00	210 00
581		1				SERVICE CHARGE 450 sks	CUBIC FEET				2 00	900 00
583		1				MILEAGE CHARGE TOTAL WEIGHT 45528 LOADED MILES 120	TON MILES 2731.68				1 00	2731 68

CONTINUATION TOTAL ~~5621 68~~

ALLIED CEMENTING CO., LLC. 036045

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31
RUSSELL, KANSAS 67665

SERVICE POINT: Oakley KS

12-1-11

DATE 12/1/11	SEC. 35	TWP. 14	RANGE 41	CALLED OUT	ON LOCATION	JOB START 6:00 pm	JOB FINISH 6:30 pm
LEASE Price Ward	WELL # 1-35	LOCATION Sheridan Springs 8S 6W N of Into				COUNTY Wallace	STATE KS
OLD OR NEW (Circle one)							

CONTRACTOR Murfin 25
TYPE OF JOB Surface
HOLE SIZE 12 1/4" T.D. 394'
CASING SIZE 8 5/8" DEPTH 393'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 24 0786

OWNER Same

EQUIPMENT

PUMP TRUCK CEMENTER Alan
422 HELPER Wayne
BULK TRUCK
247 DRIVER Brandon
BULK TRUCK
DRIVER

CEMENT
AMOUNT ORDERED 260 SK 3%cc 2%gel

COMMON	260	@ 16.25	4225.00
POZMIX		@	
GEL	5	@ 21.25	106.25
CHLORIDE	9	@ 58.00	522.00
ASC		@	
		@	
		@	
		@	
		@	
		@	
		@	
		@	
HANDLING	274 SK	@ 2.25	616.50
MILEAGE	114 SK/mile		2079.00
		TOTAL	7551.75

REMARKS:

Drill Hole, Run Csg, Circulate, Mix Cement
Displace Cement, Shut in
Cement Did Circulate in
cellar

Thank You
Alan, Wayne, Brandon

SERVICE

DEPTH OF JOB			393'
PUMP TRUCK CHARGE			1125.00
EXTRA FOOTAGE	93 FT	@ .95	88.35
MILEAGE	69 mile	@ 7.00	483.00
MANIFOLD		@ 200.00	200.00
LP Valve 69		@ 4.00	276.00
		@	
		TOTAL	2172.35

CHARGE TO: Red Oak Energy Inc
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

Wooden Plug		@	92.00
		@	
		@	
		@	
		@	
		TOTAL	92.00

To Allied Cementing Co., LLC.
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any)
TOTAL CHARGES
DISCOUNT IF PAID IN 30 DAYS

PRINTED NAME Raymond Bal

SIGNATURE

JOB LOG — SWIFT Services, Inc.

DATE 7 DEC 11 | PAGE NO. 1

CUSTOMER Red Oak | WELL NO. 1-35 | LEASE Prairie Wind | JOB TYPE cement long string 2-stage | TICKET NO. 22515

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS T	PUMPS C	PRESSURE (PSI) TUBING	PRESSURE (PSI) CASING	DESCRIPTION OF OPERATION AND MATERIALS
								150 sks EA-2 – 300 sks SMD w/ ¼# Flocele
								5½" 15.5# casing TD 5200 TOTAL DPTH 5195'
								shoe jt 42.2' plug back 5153'
								D.V. @ 2872' Cent 1,3,5,7,9,11,13,54,58,115
								basket 6,55
	0915							on loc TRK 114
	1230							start 5½" 15.5# casing in well
	1555							Drop ball - circulate - ROTATE
	1655	4 3/4	12				250	Pump 500 gal MUDFLUSH
		4 3/4	20				250	Pump 20 bbl KCL flush
	1700	4 3/4	36				200	mix 150 sks EA-2 cement @ 15.3 ppg
								Drop latch down plug - wash out pump & line
	1715	6 3/4	54				300	Displace plug w/ H2O
		5	64				400	switch to drilling mud
	1730		123				1500	Land plug - 1st stage
								Release pressure to truck - dried up
	1735							Drop bomb
								wash truck
	1750						1200 1500	open DV tool - open @ 1200 psi
	1755							circulate
	2040		7					plug RH - MH 20 sks - 20 sks
	2045	6 3/4	158				300	mix SMD cement @ 11.2 ppg
	2115							Drop 2nd stage plug
								Displace plug
		6 3/4	58				300	cement to surface {40 sks to pit}
	2130	6 3/4	68				2000	Land plug
							2000	close DV tool
	2135							Release pressure to truck - dried up
	2140							wash truck
								RACK up
	2230							job complete
								Thanks
								Lane, Dave Doug & Blaine

15-199-20391

Sean Deenihan
Petroleum Geologist

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

15-199-20391

COMPANY Red Oak Energy, Inc.
LEASE Prairie Wind #1-35
FIELD WC
LOCATION 1658' FSL & 420' FWL
SEC 35 TWSP 14S RGE 41W
COUNTY Wallace STATE Kansas
CONTRACTOR Murfin Rig #25
SPUD 11/30/11 COMP 12/10/11
RTD 5201' LTD 5202'
MUD Mud-Co TYPE MUD Chemical
SAMPLES SAVED FROM 4000' TO RTD
DRILLING TIME KEPT FROM 4000' TO RTD
SAMPLES EXAMINED FROM 4100' TO RTD
GEOLOGICAL SUPERVISION FROM 4500'
REFERENCE WELL ROE- Blaesi #1-3

ELEVATIONS
KB 3791'
DF ____
GL 3778'
Measurements Are All From Kelly Bushing

CASING
CONDUCTOR ____
SURFACE 8-5/8" @392'
PRODUCTION 5.5" @ 5194'

ELECTRICAL SURVEYS
CND, AI, MIC, SON
Weatherford

Formation	Sample Tops	E-log Tops	Struct Pos.
B/Anhy	2862 (929)	2863 (928)	
Heebner	4127 (-336)	4130 (-939)	
Cherokee	4770 (-979)	4772 (-981)	
Morrow Sh.	4990 (-1199)	4994 (-1201)	
Upper Morrow Sd	5004 (-1213)	5006 (-1215)	
Morrow Ls	5108 (-1317)	5110 (-1319)	

35

REMARKS The Prairie Wind #1-35 was drilled to test the Morrow Sand. The Upper Morrow Sand was tested and exhibited good commercial potential. Therefore, the decision was made to further evaluate the Upper Morrow Sand through 5.5" production casing

Respectfully Submitted,

15-199-20391

Sean Deenihan

Curve Track 1
ROP (Min/Ft)
Gamma (API)
Caliper (inches)

Depth | Lithology | Oil Shows | Geological Descriptions

Sh., gy, gummy

Ls., wh, crm, chlky

Heebner Sh. 4127 (-336)

Sh., blk

Ls, wh, crm, chlky, soft

Ls., crm, vf gr, p vis Por, n/s

Sh., gy,

Sh., blk

Sh. gy- dk gy

Ls., crm, wh, f gr, fos, p Por, n/s

Ls., wh, chlky, NSFO

Ls., wh, tn, xf gr, sli cherty, scaly, n/s

Sh., blk

Ls., a.a.

Sh. gy

Ls., crm, re-xtl, fos., vf gr, P vis Por, n/s

Sh., blk

Sh., blk

Ls., wh, chlky, vf gr, p intgran Por, n/s

Sh., gy-dk gy

Ls., vf gr, p intgran Por, sli chlky, n/s

Ls., crm, tn, xf gr, p vis Por, sdy IP, n/s

Sh., blk & gy

Sh., blk

Pred Sh., gy-dk gy, gummy

Sh., & shaly Ls. a.a.

Sh., blk

Sh., gy, brn, soft

Ls, tn-gy, vf gr, platy, p vis Por, n/s

Sh., blk

Sh., blk

Cherokee Sh. 4770 (-979)

Sh., blk

Ls., crm, tn, vf gr, p vis Por, n/s

Sh- gy-blk & intbedded Ls., crm, gy, sli chlky, n/s

Abd Sh., gy-dk gy

Sh., blk

Ls., crm, tn, Ool IP, p vug Por, sme brn stn, NSFO

Sh., blk

Ls., gy, vf gr, p vis Por, firm

Ls. gy shaly

Sh., dk gy-blk

Morrow Sh. 4990 (-1199)

Strap @5020'
1.94 Short
Survey 2.4*

Sh., blk, dk gy, sme teal

Morrow Sd. 5004 (-1213)

Ss., wh, clr, f-md gr, sb ang, fr-gd Intgran Por, fri, gas bubble, SFO upon crush- v lt brn Oil, ft odor, gd fluor

Ss., clr-frosty, f-md gr, sb ang-sbrd, gd intgran Por, p sorted, wk cement,

Ss., wh, f gr, fr-gd intgran Por, sb rd, mod srtd, fri, sli gassy, FSFO, Fr odr

Ss., clr-wh, f gr, gd intgran Por, sli O stn., mostly barren, streaming cut, gd fluor

DST # 1
4955'-5020'
30-45-45-60

IF: BOB 1" GTS 12"
Flared the gas!!!
BB bled off to 8 in.
FF: 5 sec FTS 6"
BB bled off to 4 in.
Gauge 45mcf/d

REC: 497' **GO**
184' **GO**
92' GMCO
(4160' GIP)

IFP: 397-666#
FFP: 551-869#
SIP: 1037-1033#
HP: 2494-2468#

Sh., gy, brn, soft

Sh., a.a

Morrow Ls 5108 (-1317)

Ls., tn, brn, fos, p vis Por, n/s

Sh. a.a.

Sh., gy, blk, brn, grn

Ls., tn, vf gr, fos, p intgran por, mottled, n/s

Ls., wh, micro-Ool - sdy, n/s

RTD: 5201 LTD: 5202'

Survey @TD
0.5*

Weatherford®

COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG

COMPANY	RED OAK ENERGY, INC.
WELL	PRAIRIE WIND #1-35
FIELD	WILDCAT
PROVINCE/COUNTY	WALLACE
COUNTRY/STATE	U.S.A. / KANSAS
LOCATION	1658' FSL & 420' FWL
	NE SW NW SW

SEC	TWP	RGE	Other Services
35	14S	41W	MAI/MFE MSS

API Number 15-199-20391
Permit Number

Permanent Datum G.L., Elevation 3778 feet
Log Measured From KB
Drilling Measured From K.B.

Elevations:	feet
KB	3791.00
DF	3789.00
GL	3778.00

Date	08-DEC-2011			
Run Number	ONE			
Depth Driller	5201.00	feet		
Depth Logger	5202.00	feet		
First Reading	5168.00	feet		
Last Reading	4100.00	feet		
Casing Driller	393.00	feet		
Casing Logger	392.00	feet		
Bit Size	7.875	inches		
Hole Fluid Type	CHEMICAL			
Density / Viscosity	9.40 lb/USg	56.00 CP		
PH / Fluid Loss	10.00	8.00 ml/30Min		
Sample Source	FLOWLINE			
Rm @ Measured Temp	0.76 @ 91.0	ohm-m		
Rmf @ Measured Temp	0.61 @ 91.0	ohm-m		
Rmc @ Measured Temp	0.91 @ 91.0	ohm-m		
Source Rmf / Rmc	CALC	CALC		
Rm @ BHT	0.57 @122.0	ohm-m		
Time Since Circulation	4 HOURS			
Max Recorded Temp	122.00	deg F		
Equipment Name	COMPACT			
Equipment / Base	13025	LIB		
Recorded By	L. SCOTT			
Witnessed By	KEVIN DAVIS		SEAN DEENIHAN	
S.O.# / JOB#	3531213		LB11-310	

BOREHOLE RECORD

Last Edited: 08-DEC-2011 21:56

Bit Size inches	Depth From feet	Depth To feet
7.875	392.00	5202.00

CASING RECORD

Type	Size inches	Depth From feet	Shoe Depth feet	Weight pounds/ft
SURFACE	8.625	0.00	392.00	24.00

REMARKS

Tools Used: MPD, MCG, MDN, MFE, MAI, MML, MSS
Hardware: MPD: 8 inch profile plate used. MAI, MSS and MFE: 0.5 Inch standoffs used. MDN: Dual Bowspring used.
2.71 G/CC Limestone density matrix used to calculate porosity.
Sonic porosity calculated using a Limestone scale (47.5 usec/ft.).
Borehole rugosity, tight pulls, and washouts will affect data quality.
All intervals logged and scaled per customer's request.
Annular volume with 5.5 inch production casing = 194 cu. ft.
Total hole volume= 1854 cu. ft.
Service order #3531213
Rig: Murfin #25
Engineer(s): L. Scott
Operator(s): N. Adame

5 INCH MAIN

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_002.dta
Recorded on 08-DEC-2011 20:36
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

Timing Marks
every 60.0 sec

Gamma Ray
API
0 75 150

Density Caliper
inches
6 11 16

Bit Size
inches
6 11 16

DST Uphole Tension
pounds
5000 0

Depth in Feet

Borehole Temp in deg F

HVI every 10 cu ft

Annular Integral every 10 cu ft

Replay Scale 1:240

Limestone Neutron Por.
percent
30 20 10 0 -10

Limestone Density Por.
percent
30 20 10 0 -10

PE
barns/electron
0 5 10

Density Correction
grams/cc
-0.25 0 0.25

Micro-normal
ohm metres
0 10

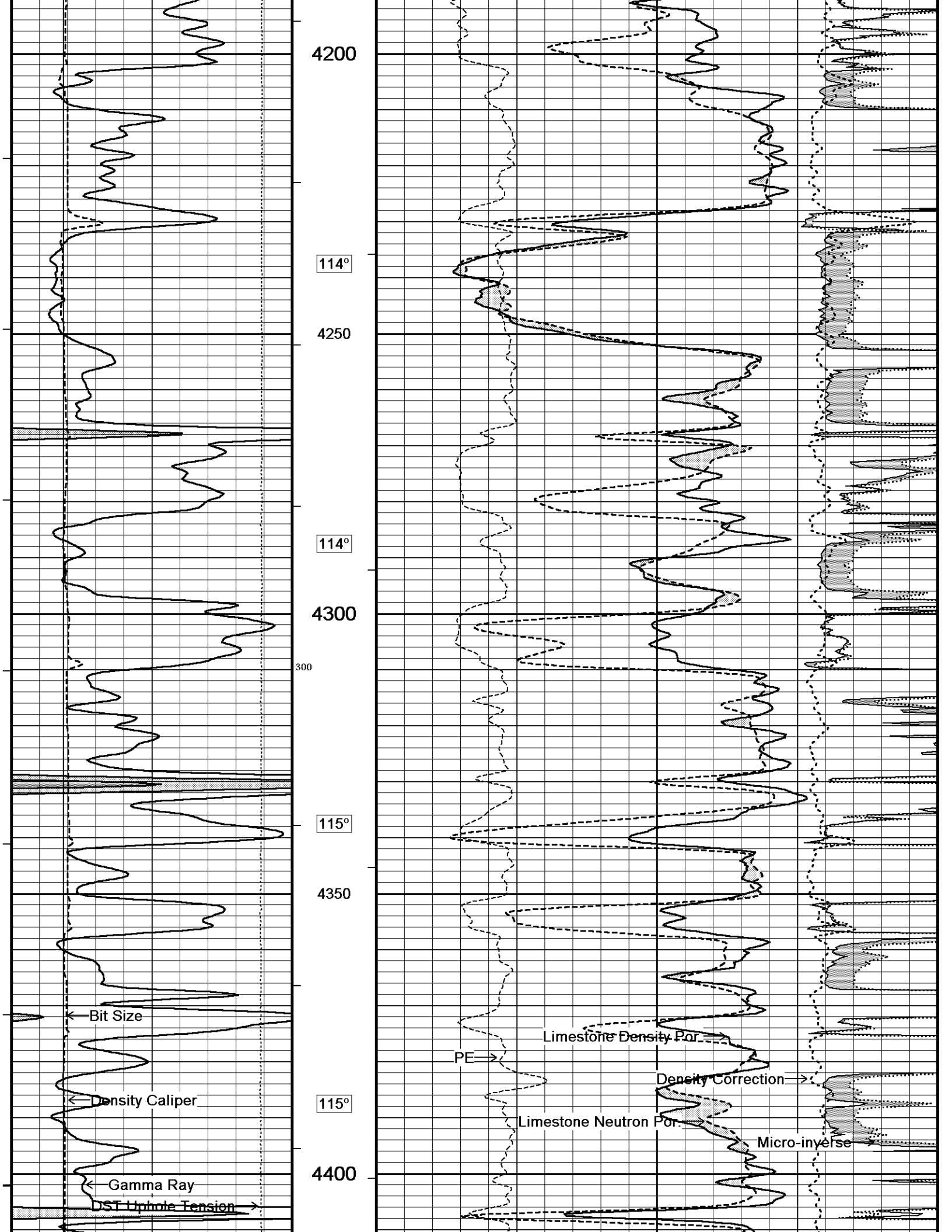
Micro-inverse
ohm metres
0 10

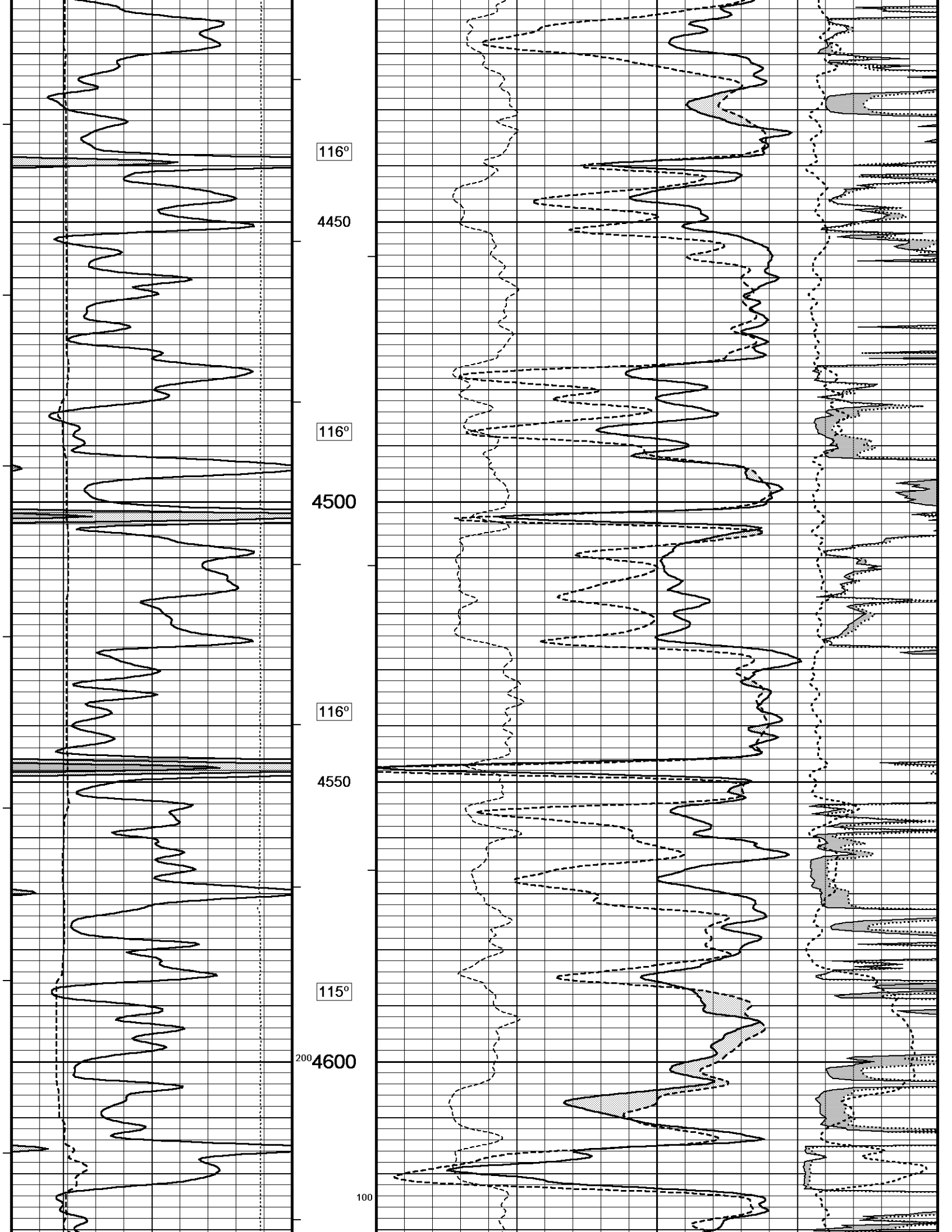
4100

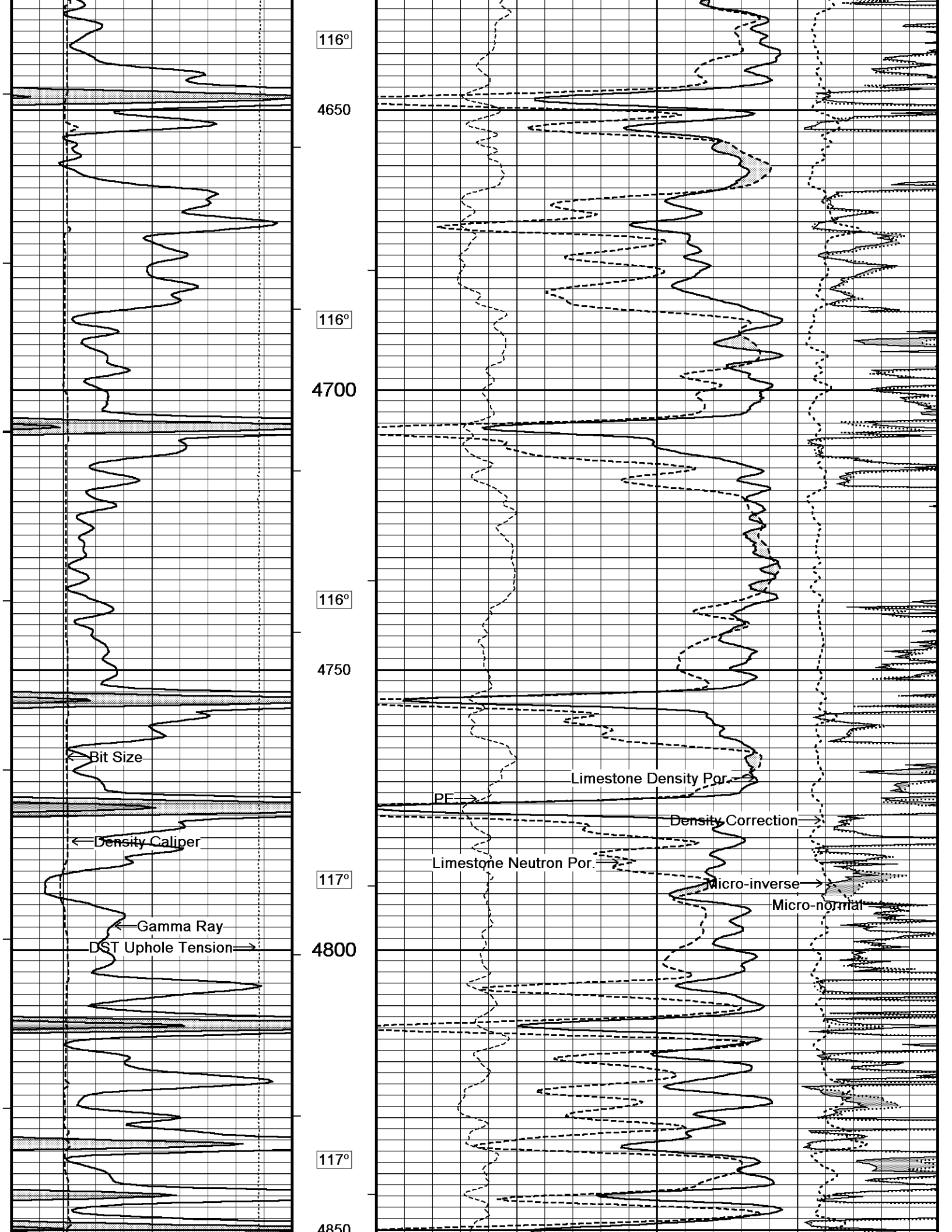
114°

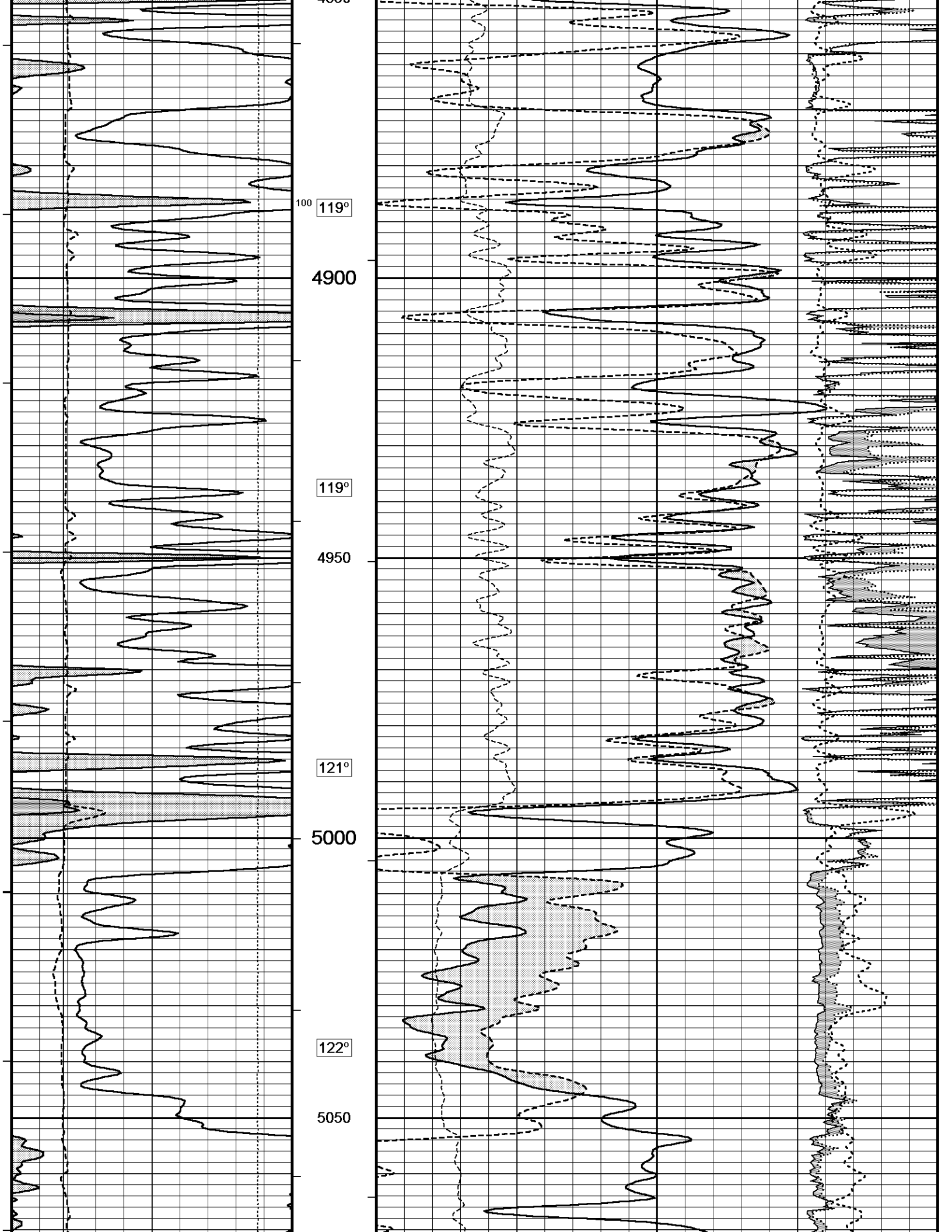
4150

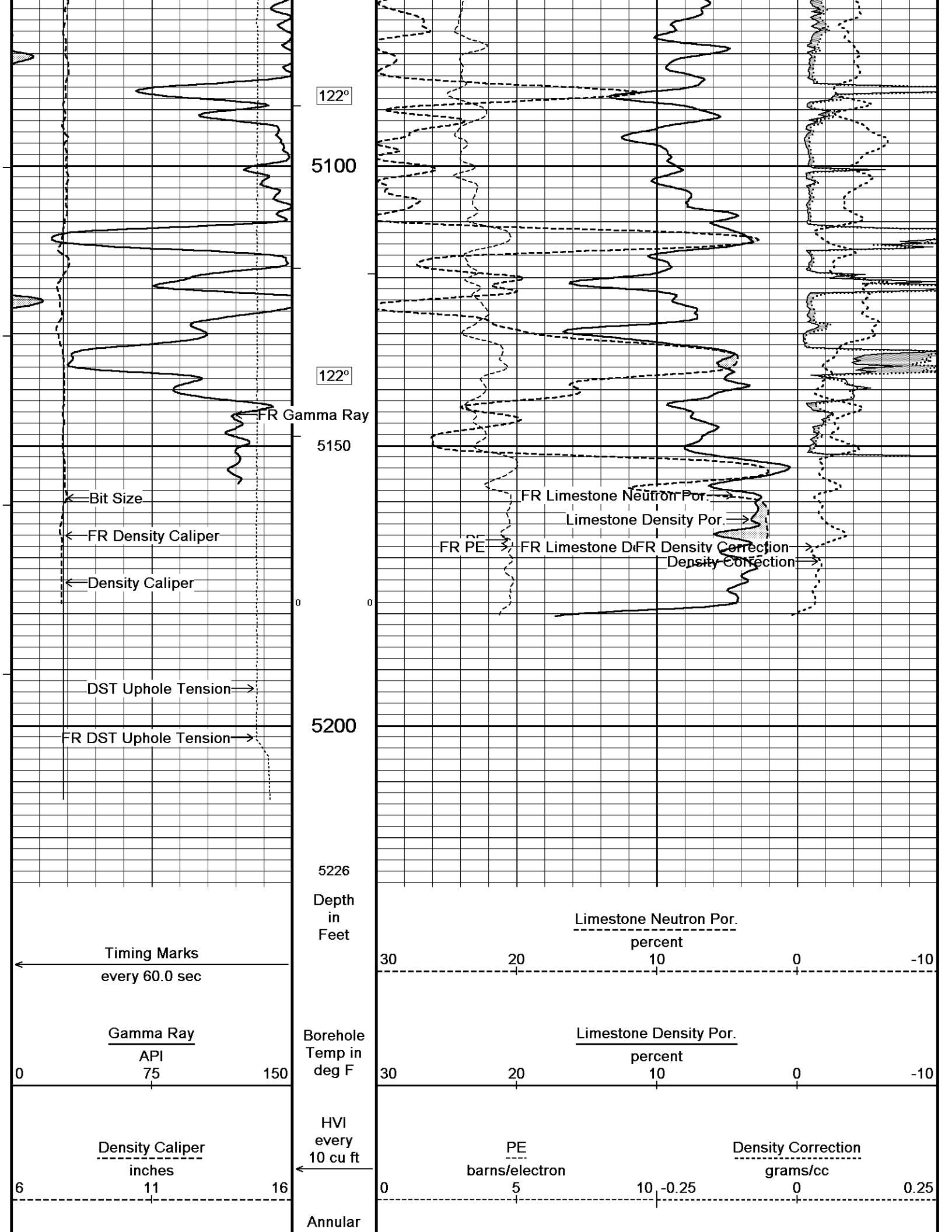
114°


4200
114°
4250
114°
4300
300
115°
4350
Bit Size
Density Caliper
115°
4400
Gamma Ray
DST Uphole Tension
PE
Limestone Density Por
Density Correction
Limestone Neutron Por
Micro-inverse


116°
4450
116°
4500
116°
4550
115°
200
4600
100


116°
4650
116°
4700
116°
4750
Bit Size
Density Caliper
117°
Gamma Ray
DST Uphole Tension
4800
117°
4850
Limestone Density Por.
PE
Density Correction
Limestone Neutron Por.
Micro-inverse
Micro-normal


100
119°
4900
119°
4950
121°
5000
122°
5050


122°
5100
122°
FR Gamma Ray
5150
Bit Size
FR Density Caliper
Density Caliper
FR Limestone Neutron Por.
Limestone Density Por.
FR PE
FR Limestone D
FR Density Correction
Density Correction
0
0
DST Uphole Tension
FR DST Uphole Tension
5200
5226
Depth in Feet
Timing Marks
every 60.0 sec
Limestone Neutron Por.
percent
30 20 10 0 -10
Gamma Ray
API
0 75 150
Borehole Temp in deg F
Limestone Density Por.
percent
30 20 10 0 -10
HVI every 10 cu ft
Density Caliper
inches
6 11 16
PE
barns/electron
0 5 10
Density Correction
grams/cc
-0.25 0 0.25
Annular

Bit Size
inches
6 11 16

Integral every 10 cu ft

Micro-normal
ohm metres
0 10

DST Uphole Tension
pounds
5000 0

Replay Scale 1:240

Micro-inverse
ohm metres
0 10

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_002.dta
Recorded on 08-DEC-2011 20:36
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

5 INCH MAIN

REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_001.dta
Recorded on 08-DEC-2011 20:19
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

Timing Marks
every 60.0 sec

Depth in Feet

Limestone Neutron Por.
percent
30 20 10 0 -10

Gamma Ray
API
0 75 150

Borehole Temp in deg F

Limestone Density Por.
percent
30 20 10 0 -10

Density Caliper
inches
6 11 16

HVI every 10 cu ft

PE
barns/electron
0 5 10

Density Correction
grams/cc
-0.25 0 0.25

Annular Integral every 10 cu ft

Bit Size
inches
6 11 16

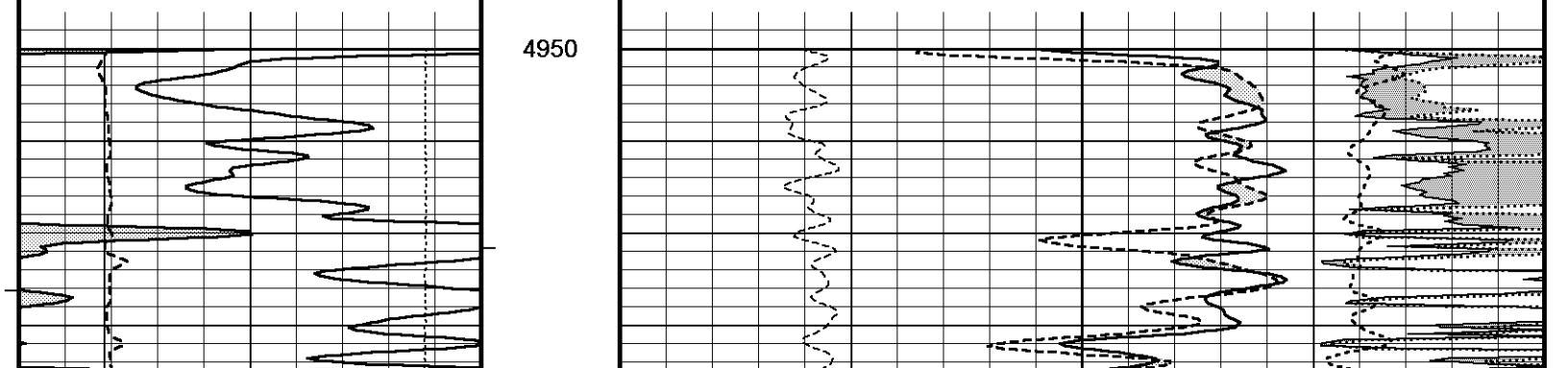
Micro-normal
ohm metres
0 10

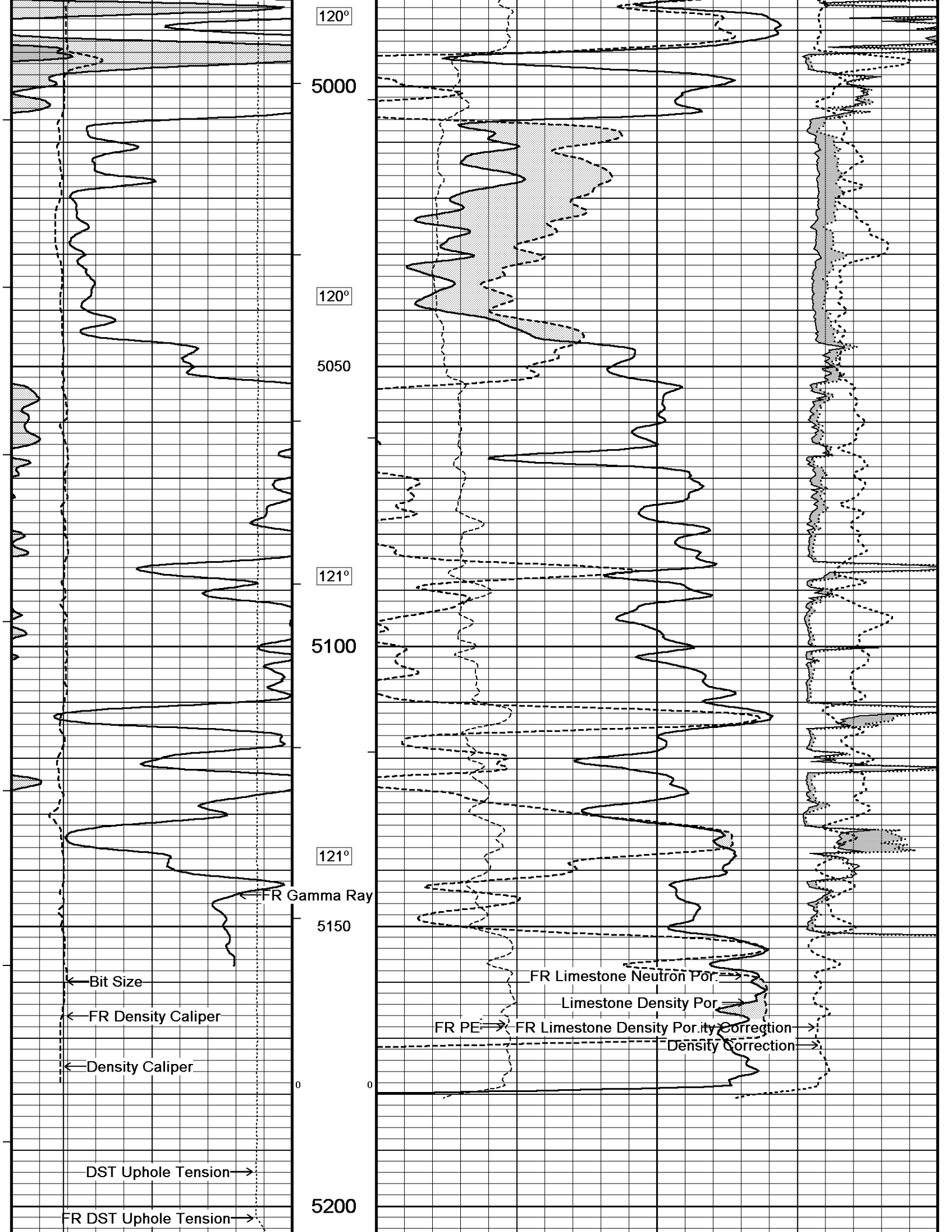
DST Uphole Tension
pounds
5000 0

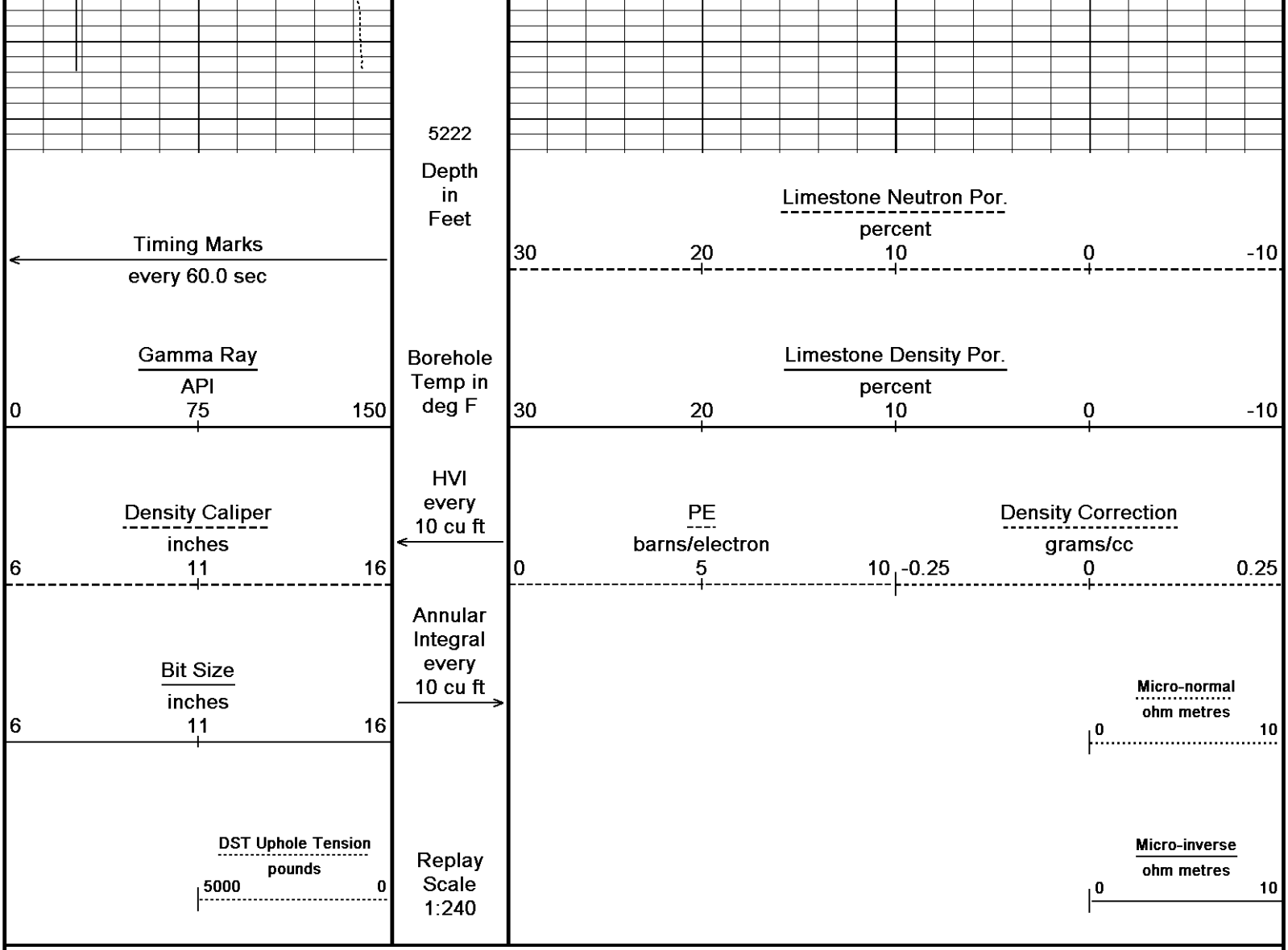
Replay Scale 1:240

Micro-inverse
ohm metres
0 10

4950




120°
5000
120°
5050
121°
5100
121°
FR Gamma Ray
5150
Bit Size
FR Density Caliper
Density Caliper
0
DST Uphole Tension
FR DST Uphole Tension
5200
FR Limestone Neutron Por.
Limestone Density Por.
FR PE
FR Limestone Density Por.ity Correction
Density Correction
0

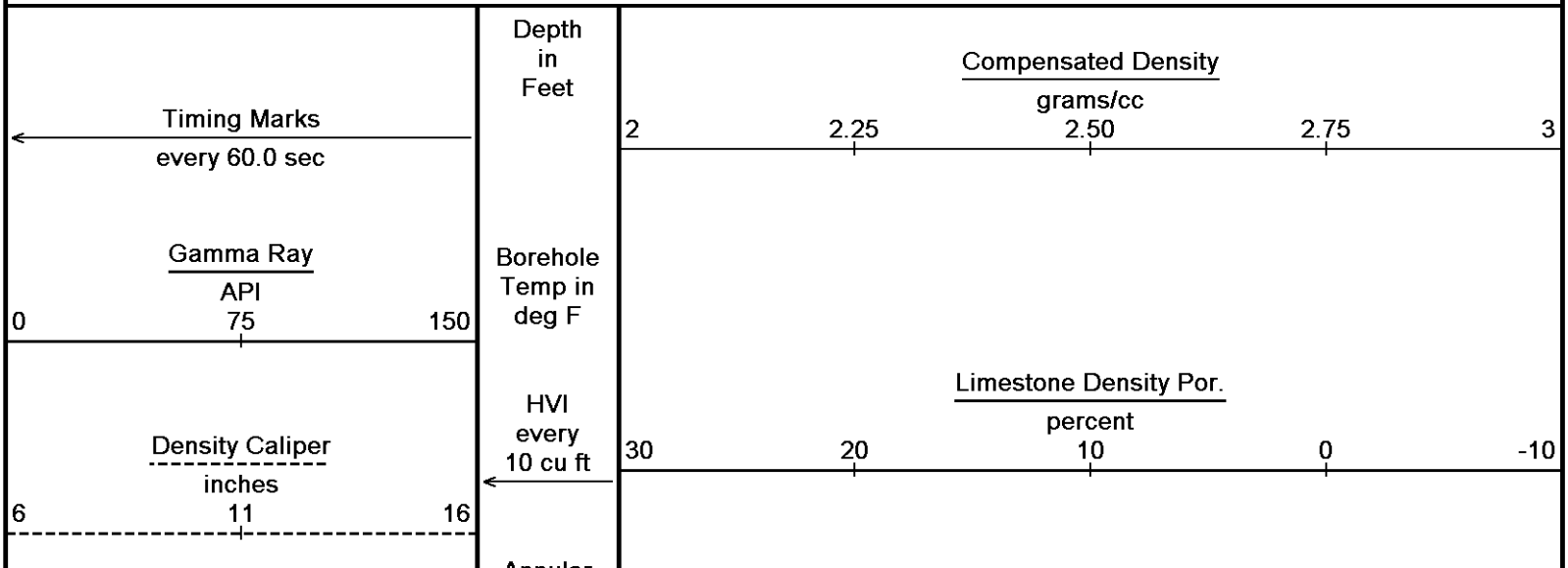


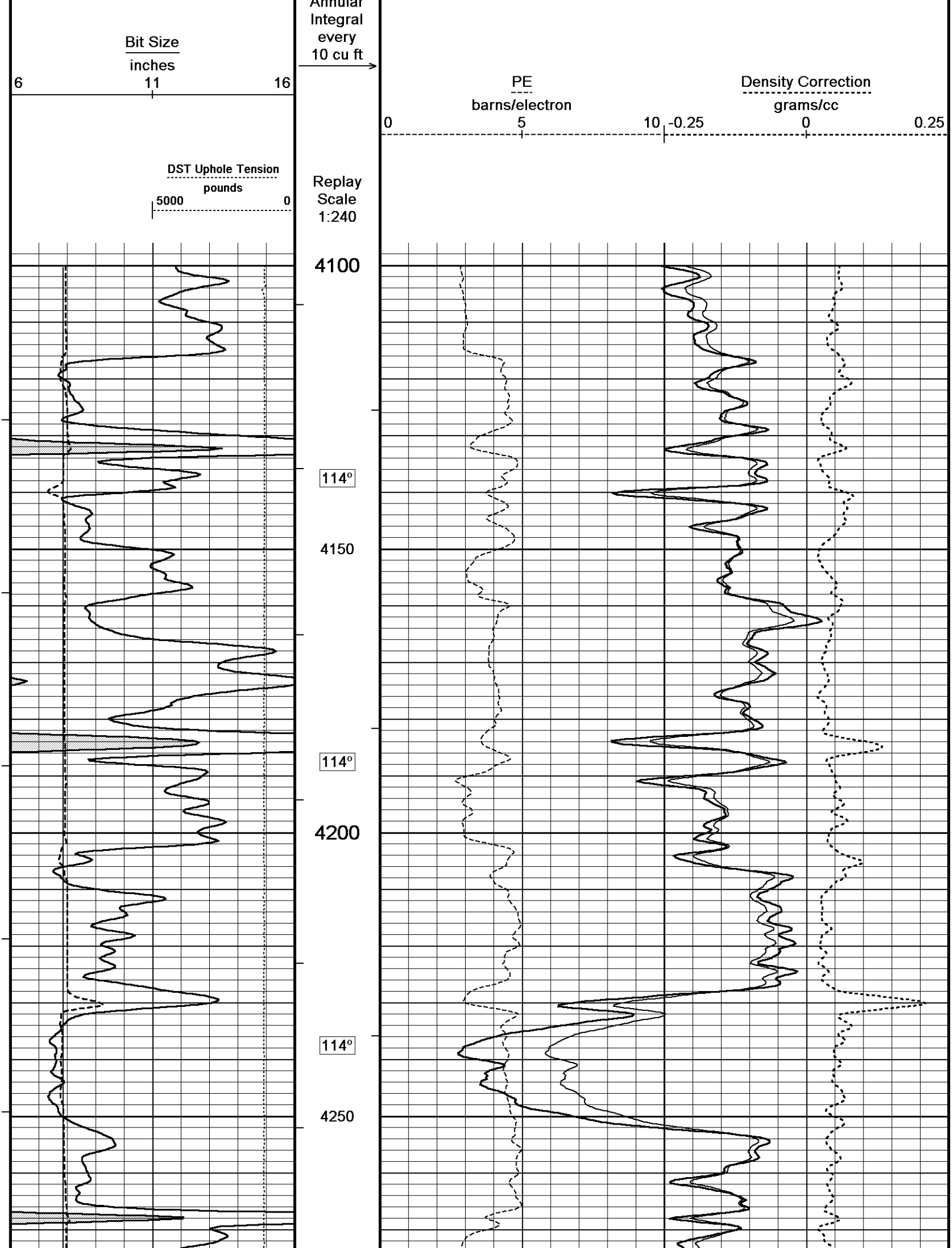
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_001.dta — Recorded on 08-DEC-2011 20:19
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

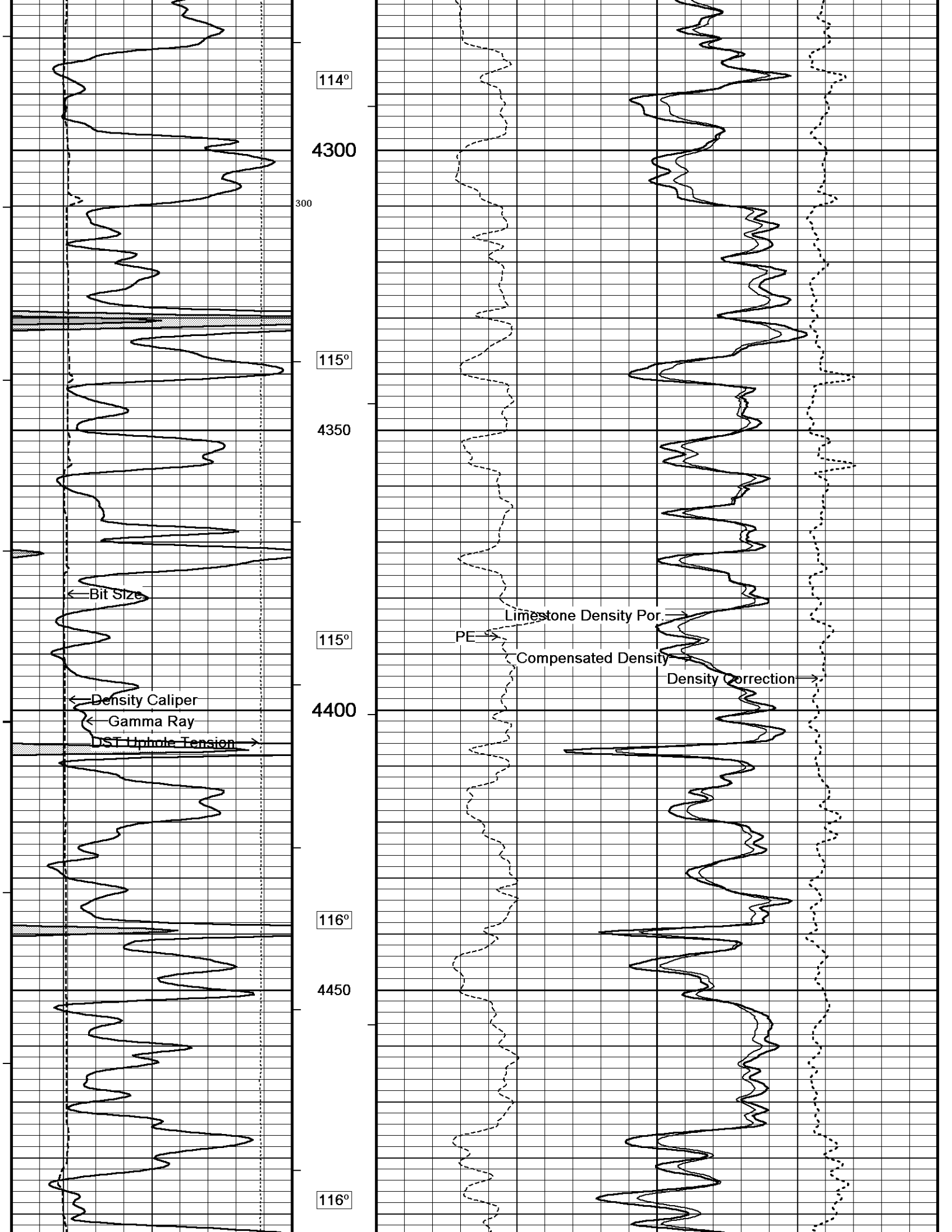
REPEAT SECTION

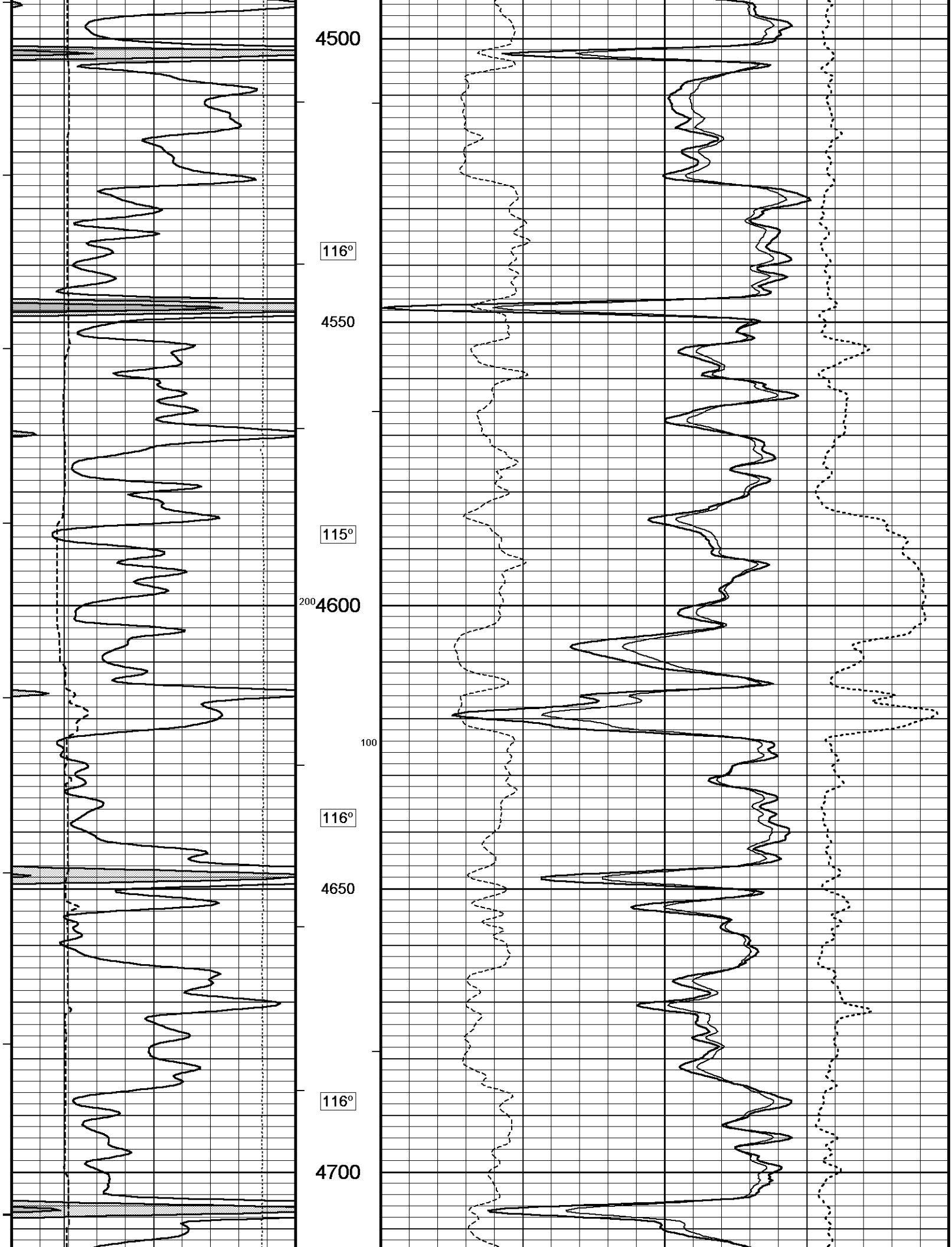
5 INCH MAIN

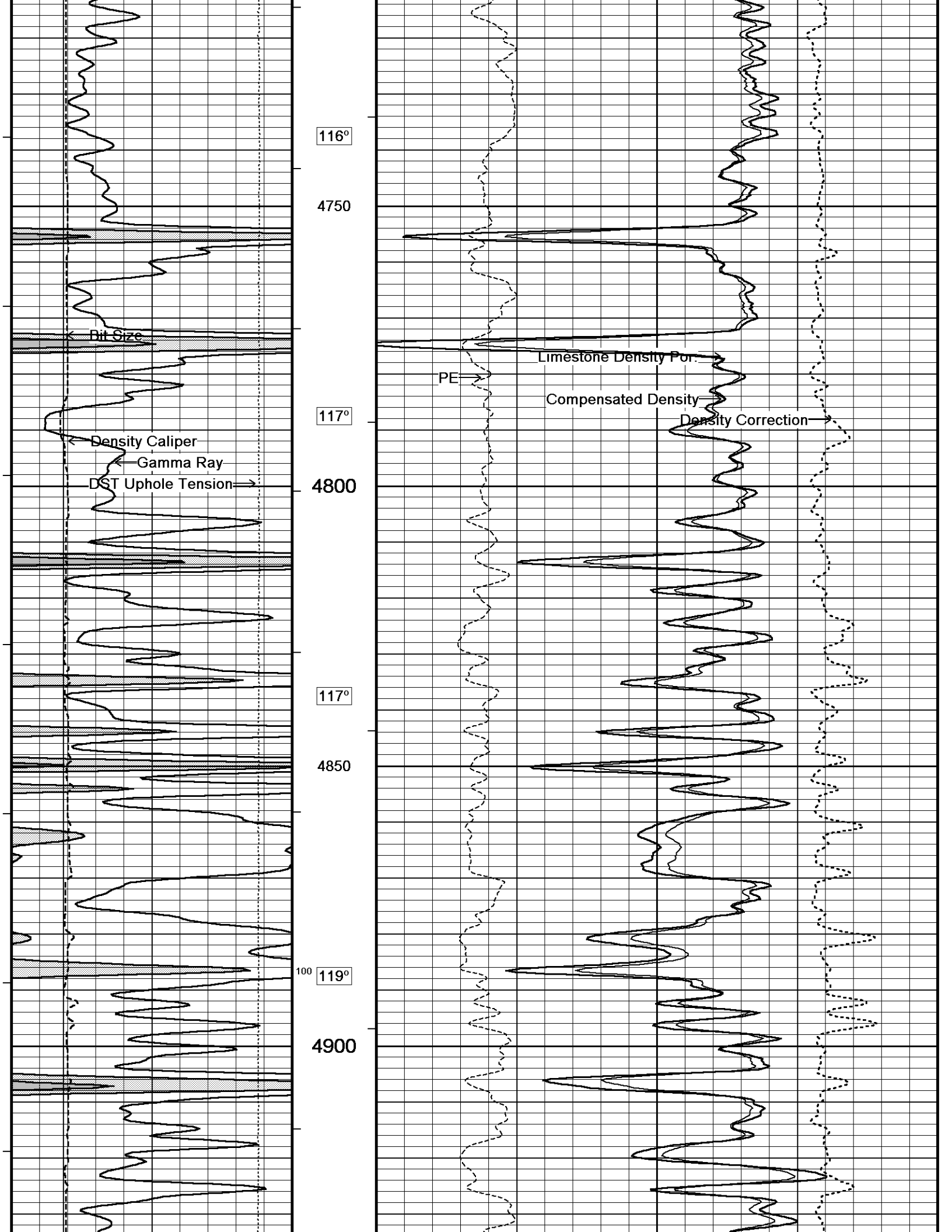
Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_002.dta — Recorded on 08-DEC-2011 20:36
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

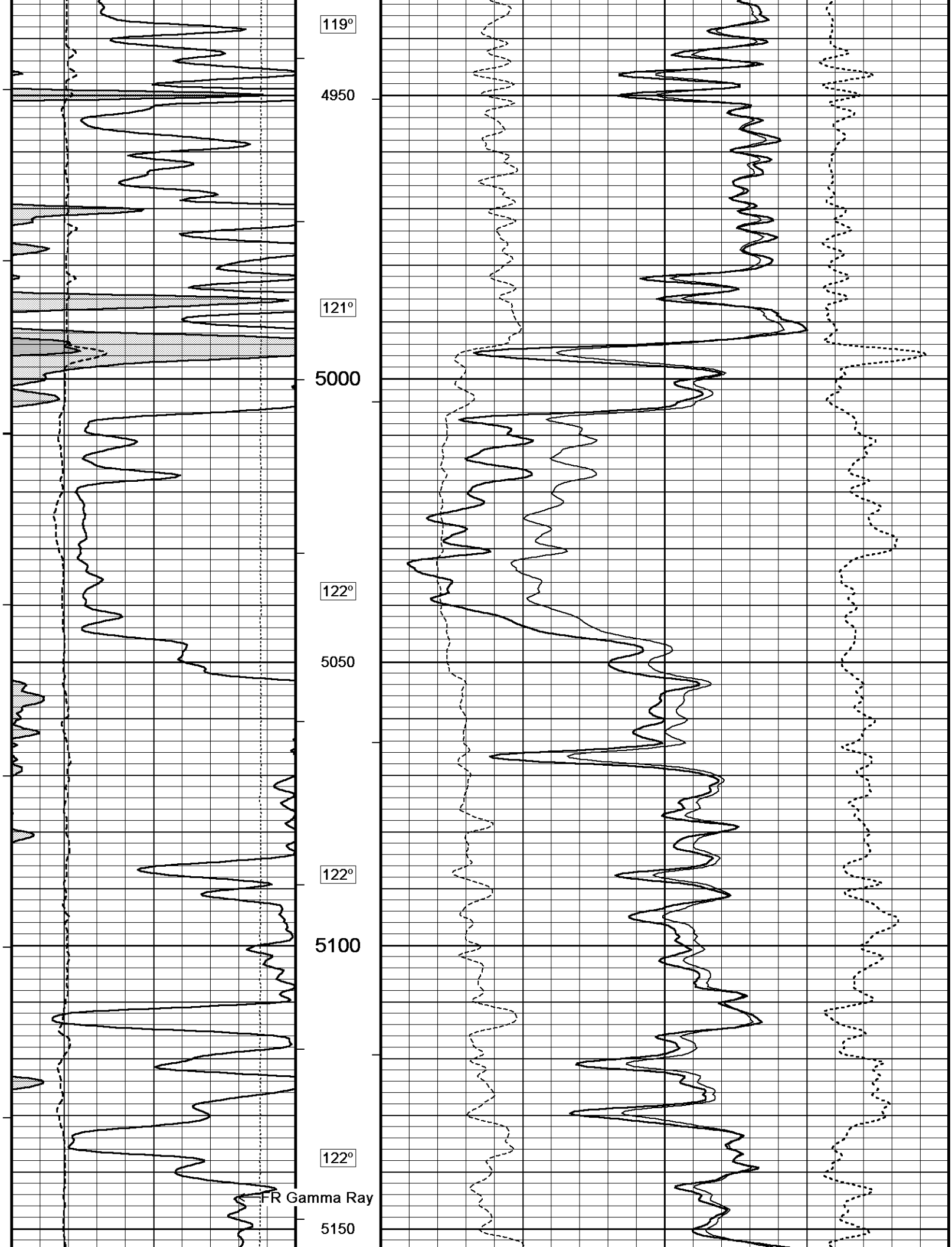


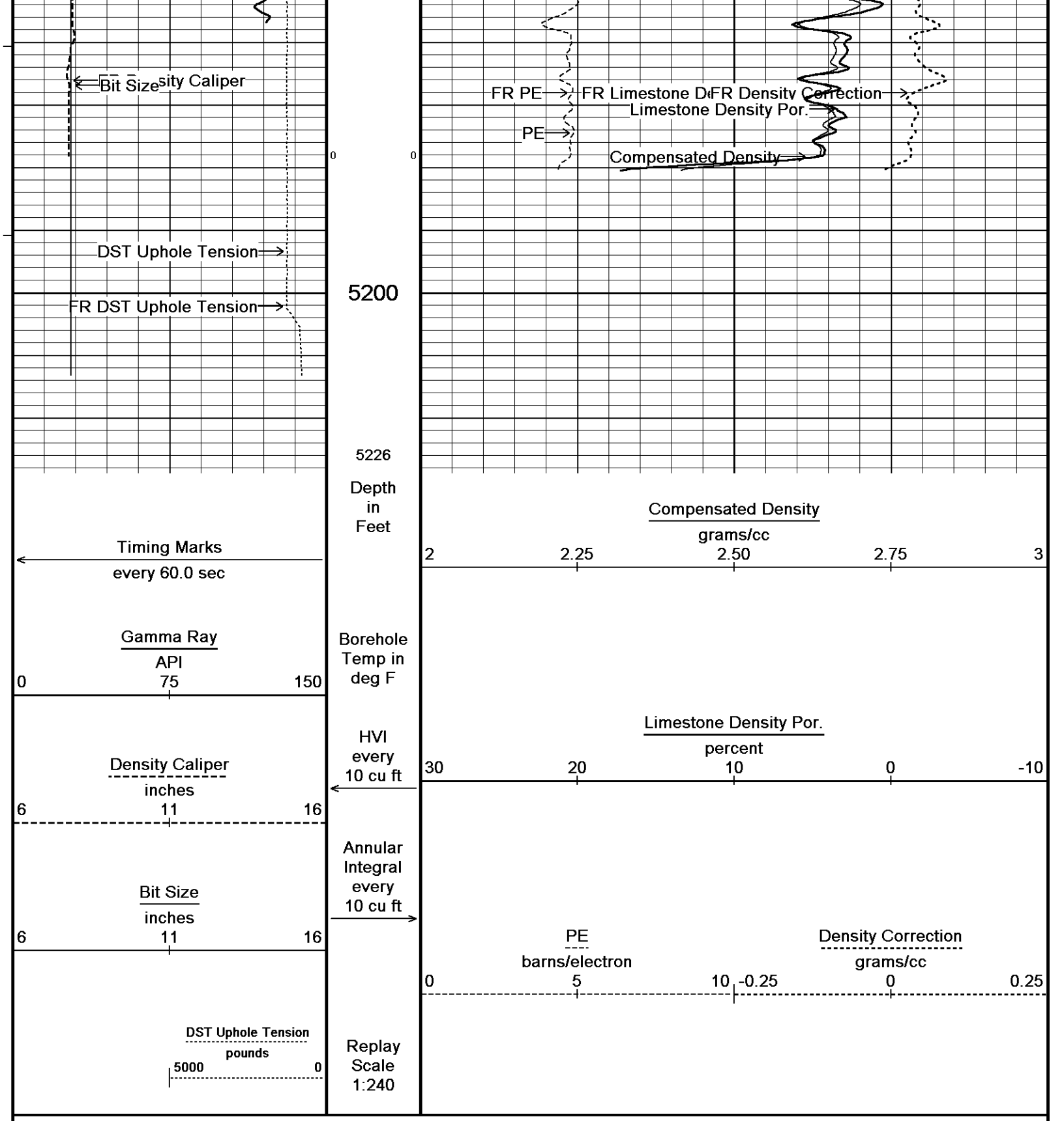

Bit Size
inches
6
11
16
Annular Integral every 10 cu ft
PE
barns/electron
0
5
10
Density Correction
grams/cc
-0.25
0
0.25
DST Uphole Tension
pounds
5000
0
Replay Scale 1:240
4100
114°
4150
114°
4200
114°
4250


114°
4300
300
115°
4350
Bit Size
Limestone Density Por
PE
115°
Compensated Density
Density Correction
Density Caliper
Gamma Ray
4400
DST Uphole Tension
116°
4450
116°


4500
116°
4550
115°
200
4600
100
116°
4650
116°
4700


116°
4750
Bit Size
Limestone Density Por.
PE
Compensated Density
117°
Density Correction
Density Caliper
Gamma Ray
DST Uphole Tension
4800
117°
4850
100
119°
4900


119°
4950
121°
5000
122°
5050
122°
5100
122°
FR Gamma Ray
5150



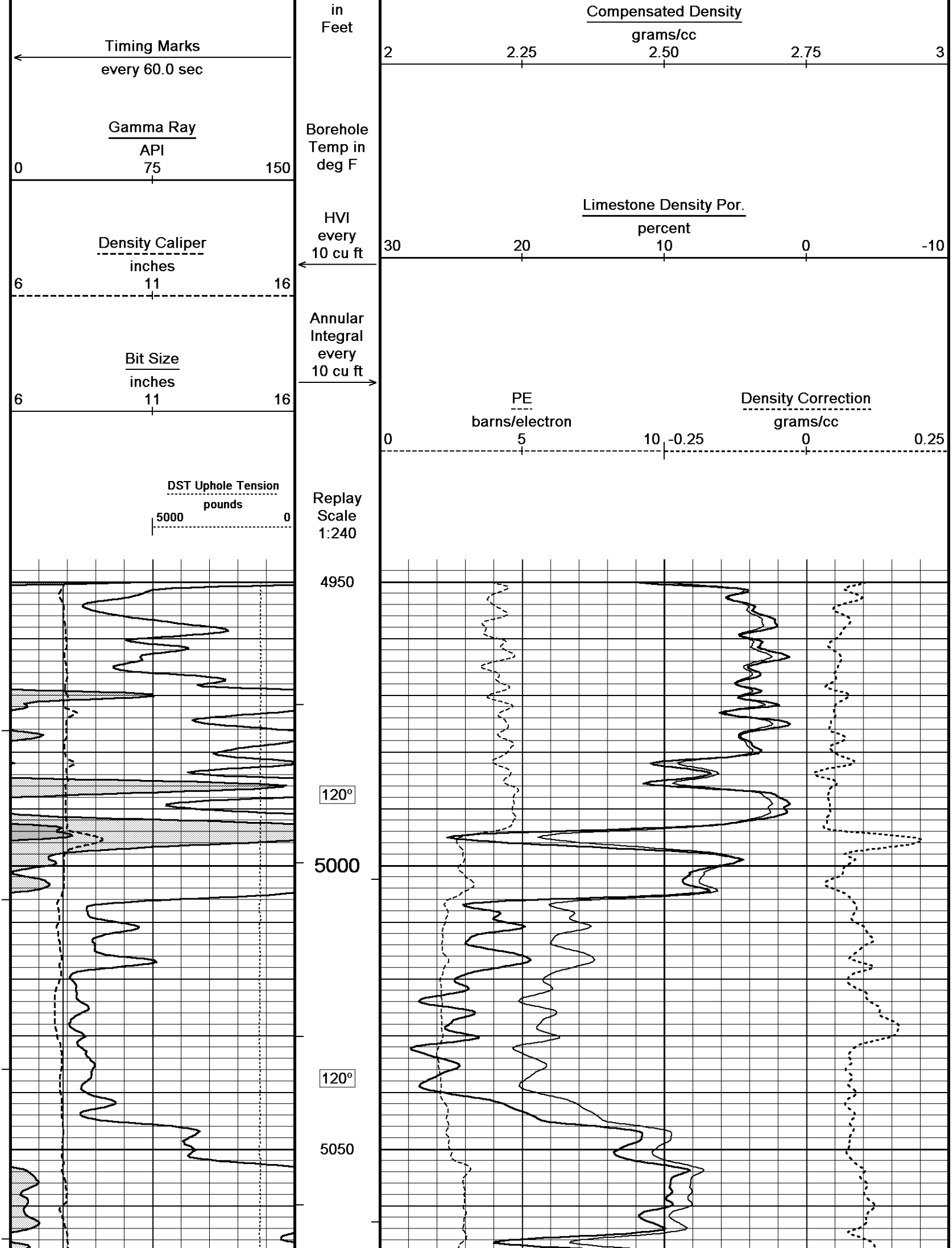
Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_002.dta
Recorded on 08-DEC-2011 20:36
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

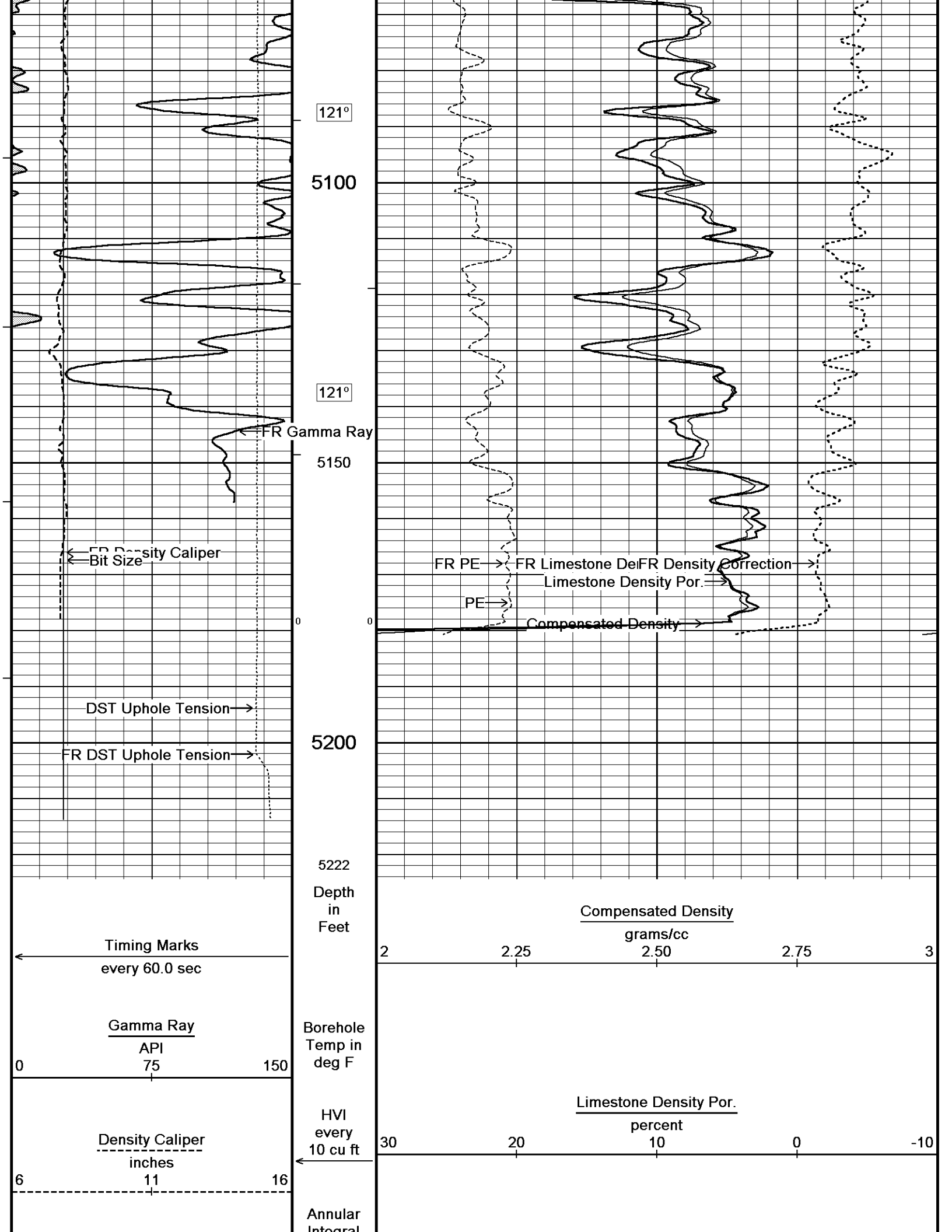
5 INCH MAIN

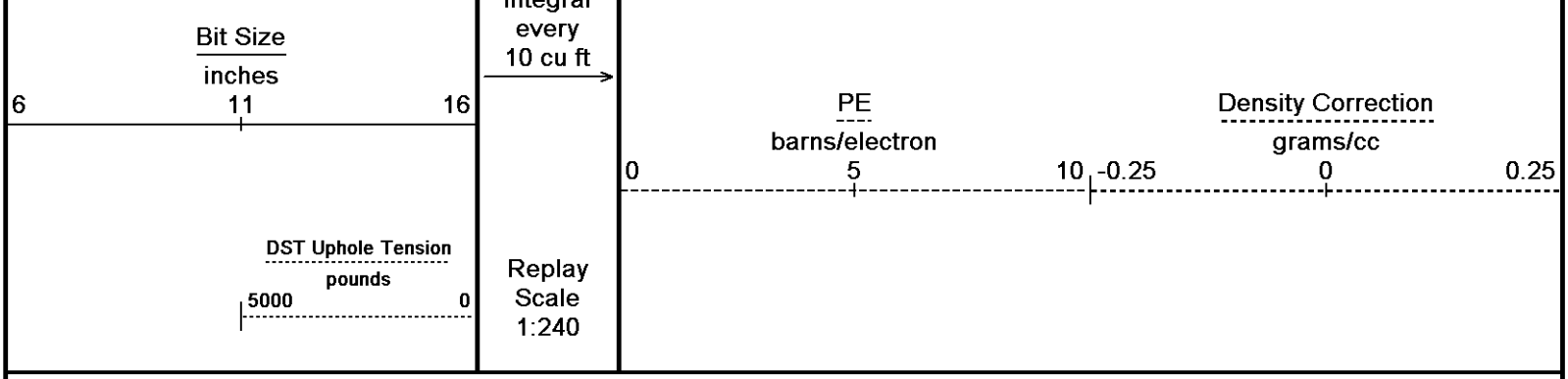
REPEAT SECTION

Depth Based Data - Maximum Sampling Increment 10.0cm
Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_001.dta
Recorded on 08-DEC-2011 20:19
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

Depth


in
Feet
Timing Marks
every 60.0 sec
Compensated Density
grams/cc
2
2.25
2.50
2.75
3
Gamma Ray
API
0
75
150
Borehole
Temp in
deg F
HVI
every
10 cu ft
Limestone Density Por.
percent
30
20
10
0
-10
Density Caliper
inches
6
11
16
Annular
Integral
every
10 cu ft
Bit Size
inches
6
11
16
PE
barns/electron
0
5
10
Density Correction
grams/cc
-0.25
0
0.25
DST Uphole Tension
pounds
5000
0
Replay
Scale
1:240
4950
120°
5000
120°
5050


121°
5100
121°
FR Gamma Ray
5150
Bit Size
DST Uphole Tension
FR DST Uphole Tension
5200
5222
FR PE
FR Limestone Del
FR Density Correction
Limestone Density Por.
PE
Compensated Density
0
0
Depth in Feet
Compensated Density
grams/cc
2
2.25
2.50
2.75
3
Timing Marks
every 60.0 sec
Gamma Ray
API
0
75
150
Borehole Temp in deg F
HVI every 10 cu ft
Limestone Density Por.
percent
30
20
10
0
-10
Density Caliper
inches
6
11
16
Annular Integral



Depth Based Data - Maximum Sampling Increment 10.0cm — Plotted on 08-DEC-2011 23:20
Filename: C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35_001.dta — Recorded on 08-DEC-2011 20:19
System Versions: Logged with 11.03.4044 Plotted with 11.03.4044

REPEAT SECTION

BEFORE SURVEY CALIBRATION

C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35.dta

Down-hole Tension Calibration All 000

Field Calibration on 30-JUN-2010

Reading No	Measured	Calibrated (lbs)
1	14112.01	10.00
2	15164.79	427.00

General Constants All 000

Last Edited on 08-DEC-2011,15:57

General Parameters		
Mud Resistivity	0.760	ohm-metres
Mud Resistivity Temperature	91.000	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	5.500	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 10-SEP-2011 04:32

Reading No	Measured	Calibrated (lbs)
1	-2243.52	0.00
2	-2203.03	480.60

High Resolution Temperature Calibration MCG-C 139

Field Calibration on 02-AUG-2011,17:13

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

High Resolution Temperature Constants MCG-C 139

Last Edited on

Pre-filter Length	11

SP Calibration MCG-C 139

Field Calibration on 29-AUG-2011 09:25

	Measured	Calibrated (mV)
Reference 1	103.7	100.0
Reference 2	-96.7	-100.0

Gamma Calibration MCG-C 139

Field Calibration on 08-DEC-2011 09:30

	Measured	Calibrated (API)
Background	78	53
Calibrator (Gross)	1145	778
Calibrator (Net)	1067	725

Gamma Constants MCG-C 139

Last Edited on 08-DEC-2011,15:06

Gamma Calibrator Number	grc38	
Mud Density	1.13	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 16

Base Calibration on 15-NOV-2011 08:45
Field Check on 08-DEC-2011 09:13

Base Calibration

	Measured		Calibrated (ohm-m)	
Channel	Resistor 1	Resistor 2	Resistor 1	Resistor 2
Micro Normal	12.1	60.2	2.6	12.8
Micro Inverse	15.7	78.4	1.7	8.4

Channel	Base Check (ohm-m)	Field Check (ohm-m)
Micro Normal	32.1	32.1
Micro Inverse	16.3	16.3

Micro Normal and Micro Inverse Constants MML-A 16

Last Edited on 08-DEC-2011,09:12

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 16

Base Calibration on 15-NOV-2011 08:38
Field Calibration on 08-DEC-2011 09:23

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	14184	5.98
2	17582	7.97
3	20836	9.86
4	24886	11.92
5	0	0.00
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
6.05	5.98

Neutron Calibration MDN-A.B 66

Base Calibration on 17-OCT-2011 14:32
Field Check on 08-DEC-2011 09:34

Base Calibration

	Measured		Calibrated (cps)	
	Near	Far	Near	Far
	3086	97	3714	110
Ratio	31.796		33.764	

Field Calibrator at Base

	Calibrated (cps)	
	1659	2358
Ratio	0.704	

Field Check

	Calibrated (cps)	
	1650	2359
Ratio	0.699	

Neutron Constants MDN-A.B 66

Last Edited on 08-DEC-2011,09:30

Neutron Source Id	P58125B	
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-C.A 353

Base Calibration on 07-DEC-2011 13:35
Field Check on 08-DEC-2011 09:12

Base Calibration

	Measured	Calibrated (ohm-m)
Reference 1	0.0	0.0
Reference 2	964.8	126.8
Base Check		280.9
Field Check		280.9

FE Constants MFE-C.A 353

Last Edited on 08-DEC-2011,15:57

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

Sonic Constants MSS-C.K 330

Last Edited on 08-DEC-2011,15:57

Maximum Boundary Contrast	100.00	micro-sec/ft
Fluid Transit Time	189.00	micro-sec/ft
Limestone Transit Time	47.50	micro-sec/ft
Sandstone Transit Time	55.50	micro-sec/ft
Dolomite Transit Time	43.50	micro-sec/ft
Sonic used for Porosities	3-5' Compensated Sonic	
Correction for Sonde Skew	Applied	
Cycle Stretch Algorithm	Applied	
MN3FT	N/A	micro-sec
MX3FT	N/A	micro-sec
Hunt-Raymer Constant	83.13	micro-sec/ft
Sonde Mode	Compensated	
Hole Type	Open Hole	

Sonde Parameters

	Measured	Calibrated
Offset	N/A	0.0000
Free Pipe	N/A	N/A

Peak Amplitude Source N/A

Waveform	Start Time (micro-sec)	Width (micro-sec)	Pre Gain	Start Gain	Discriminator (mV)
3'	N/A	N/A	N/A	N/A	N/A
4'	N/A	N/A	N/A	N/A	N/A
5'	N/A	N/A	N/A	N/A	N/A
6'	N/A	N/A	N/A	N/A	N/A

Processed Fixed Gate Parameters

Waveform Used For Processing N/A

Start Time (micro-sec)	End Time (micro-sec)	Discriminator (mV)	N/A
N/A	N/A	N/A	
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	

Full Waveform Parameters

Use 3' Waveform to derive TR	N/A	
Use 4' Waveform to derive TR	N/A	
Use 5' Waveform to derive TR	N/A	
Use 6' Waveform to derive TR	N/A	
3' Waveform Discriminator Level	N/A	mV
4' Waveform Discriminator Level	N/A	mV
5' Waveform Discriminator Level	N/A	mV
6' Waveform Discriminator Level	N/A	mV
3' Waveform Filter	N/A	
4' Waveform Filter	N/A	
5' Waveform Filter	N/A	
6' Waveform Filter	N/A	
Semblance Level	N/A	
Semblance Window Width	N/A	micro-sec
Sonic 1 Despiker	N/A	N/A
Sonic 2 Despiker	N/A	N/A

High Resolution Temperature Calibration MAI-A.A 167

Field Calibration on 28-OCT-2011,10:01

	Measured	Calibrated(Deg F)
Lower	1.00	33.80
Upper	11.00	51.80

High Resolution Temperature Constants MAI-A.A 167

Last Edited on

Pre-filter Length	11

Induction Calibration MAI-A.A 167

Base Calibration on 11-MAR-2011,09:58
Field Check on 08-DEC-2011 09:10

Base Calibration

Test Loop Calibration	Measured		Calibrated (mmho/m)	
Channel	Low	High	Low	High
1	17.3	474.2	9.3	966.2
2	6.3	388.4	7.6	821.4
3	3.3	259.4	5.2	566.0
4	1.9	133.0	2.6	279.2
Array Temperature		76.8	Deg F	

Channel	Base Check (mmho/m)		Field Check (mmho/m)		
	Low	High	Low	High	
1	0.0	0.0	12.9	3839.1	
2	0.0	0.0	29.5	3476.8	
3	0.0	0.0	29.1	3052.7	
4	0.0	0.0	19.7	2081.3	
Deep	0.0	0.0	18.5	2048.5	
Medium	0.0	0.0	42.2	3990.9	
Shallow	0.0	0.0	43.0	5054.2	
Array Temperature		0.0		71.1	Deg F

Induction Constants MAI-A.A 167

Last Edited on 08-DEC-2011,15:58

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	

Caliper Calibration MPD-B 35

Base Calibration on 15-NOV-2011 10:23
Field Calibration on 08-DEC-2011 09:15

Base Calibration

Reading No	Measured	Calibrator Size (in)
1	20351	3.99
2	30291	5.98
3	40582	7.97
4	50158	9.86
5	60743	11.92
6	N/A	N/A

Field Calibration

Measured Caliper (in)	Actual Caliper (in)
5.94	5.98

Photo Density Calibration MPD-B 35

Base Calibration on 15-NOV-2011 10:46
Field Check on 08-DEC-2011 09:21

Density Calibration

Base Calibration	Measured		Calibrated (sdu)	
	Near	Far	Near	Far
Reference 1	57280	27020	59556	30836
Reference 2	23374	2567	24941	2541

Field Check at Base

1159.9	1374.4

Field Check

1156.3	1371.1

PE Calibration

Base Calibration		Measured		Calibrated
	WS	WH	Ratio	Ratio
Background	207	1024		
Reference 1	21400	57084	0.378	0.371
Reference 2	6184	23227	0.269	0.272

Field Check at Base

206.8	1023.7

Field Check

207.4	1020.3

Density Constants MPD-B 35

Last Edited on 08-DEC-2011,15:05

Density Source Id	p50557b
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	1.13	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	

DOWNHOLE EQUIPMENT

C:\Minimus 11.03.4044\Data\Red Oak Prairie Wind 1-35\Red Oak Praire Wind 1-35.dta

Compact Comms Gamma
MCG-C 139 LG: 8.70 ft WT: 63.9 lb OD: 2.24 in

Compact Micro-log
MML-A 16 LG: 7.97 ft WT: 81.6 lb OD: 2.24 in

Compact Neutron
MDN-A.B 66 LG: 5.04 ft WT: 50.7 lb OD: 2.24 in

Compact Density/Caliper
MPD-B 35 LG: 9.59 ft WT: 90.4 lb OD: 2.45 in

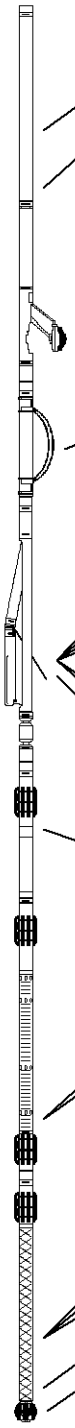
SKJ-D.A Compact Knuckle Joint
SKJ-D.A 36 LG: 2.17 ft WT: 24.3 lb OD: 2.24 in

Compact Focussed Electric
MFE-C.A 353 LG: 6.05 ft WT: 48.5 lb OD: 2.24 in

Compact Sonic
MSS-C.K 330 LG: 12.52 ft WT: 72.8 lb OD: 2.24 in

Compact Induction
MAI-A.A 167 LG: 10.81 ft WT: 48.5 lb OD: 2.24 in

Total Length: 62.84 ft Weight: 480.6 lb



57.56 ft	GRGC - Gamma Ray
54.65 ft	CGXT - MCG External Temperature
47.93 ft	MINV - Micro-inverse
47.93 ft	MNRL - Micro-normal
48.92 ft	MLTC - MML Caliper
43.13 ft	NPRL - Limestone Neutron Por.
35.89 ft	CLDC - Density Caliper
35.89 ft	AVOL - Annular Volume
35.89 ft	HVOL - Hole Volume
33.96 ft	DPRL - Limestone Density Por.
33.96 ft	DEN - Compensated Density
33.96 ft	DCOR - Density Correction
33.90 ft	PDPE - PE
26.43 ft	FEFE - Shallow FE
12.96 ft	DT35 - 3-5' Compensated Sonic
12.96 ft	SPRL - Wyllie Lime. Sonic Por.
3.34 ft	R40O - Array Ind. One Res 40
3.34 ft	RTAO - Array Ind. One Res Rt
3.34 ft	R60O - Array Ind. One Res 60
0.23 ft	SPCG - Spontaneous Potential
Tool Zero	(0.13ft from bottom)
-0.13 ft	SMTU - DST Uphole Tension

All measurements relative to tool zero.

COMPANY	RED OAK ENERGY, INC.
WELL	PRAIRIE WIND #1-35
FIELD	WILDCAT
PROVINCE/COUNTY	WALLACE
COUNTRY/STATE	U.S.A. / KANSAS

Elevation Kelly Bushing	3791.00	feet	First Reading	5168.00	feet
Elevation Drill Floor	3789.00	feet	Depth Driller	5201.00	feet
Elevation Ground Level	3778.00	feet	Depth Logger	5202.00	feet

Weatherford®

COMPACT PHOTO DENSITY
COMPENSATED NEUTRON
MICRORESISTIVITY LOG

40 Years of Wireline 1970 2010

DRILL STEM TEST REPORT

Red Oak Energy, Inc.

POB 783140
Wichita, KS 67207

ATTN: Sean Deenihan

S35-14s-41w Wallace, KS

Prairie Wind 1-35

Job Ticket: 45491 **DST#: 1**

Test Start: 2011.12.07 @ 15:34:00

GENERAL INFORMATION:

Formation: **Morrow SD**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 21:45:00
Time Test Ended: 05:40:40

Test Type: Conventional Bottom Hole (Initial)
Tester: Chuck Smith
Unit No: 37

Interval: 4955.00 ft (KB) To 4020.00 ft (KB) (TVD)
Total Depth: 5020.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Good

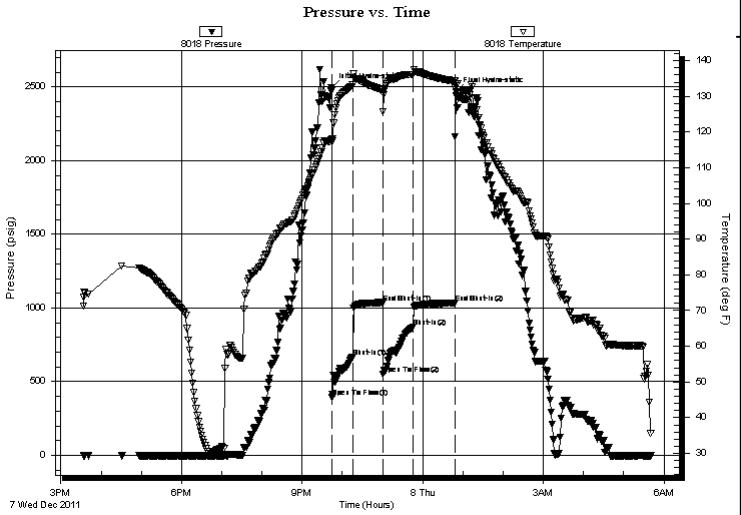
Reference Elevations: 3791.00 ft (KB)
3778.00 ft (CF)
KB to GR/CF: 13.00 ft

Serial #: 8018 **Inside**

Press@RunDepth: 869.34 psig @ 4959.00 ft (KB)
Start Date: 2011.12.07 End Date: 2011.12.08
Start Time: 15:34:02 End Time: 05:40:40

Capacity: 8000.00 psig
Last Calib.: 2011.12.08
Time On Btm: 2011.12.07 @ 21:44:00
Time Off Btm: 2011.12.08 @ 00:49:30

TEST COMMENT: B.O.B. @ 1 min.GTS @ 12 min., fluid /spray @ 16 min.
Blow did not bleed off below 8".
B.O.B. immediate, measured gas, fluid /spray @ 6 min.
Blow receded to 4" blow only.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2494.14	117.81	Initial Hydro-static
1	396.75	117.45	Open To Flow (1)
32	666.03	133.15	Shut-In(1)
77	1036.92	131.94	End Shut-In(1)
77	550.99	125.81	Open To Flow (2)
122	869.34	136.13	Shut-In(2)
184	1033.13	134.29	End Shut-In(2)
186	2468.43	132.85	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
92.00	GMCO 10g 10m 80o	0.45
184.00	GO 10g 90o	0.90
497.00	GO 35g 75o	4.44
0.00	4160 Feet GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	15.00	46.64

DRILL STEM TEST REPORT

FLUID SUMMARY

Red Oak Energy, Inc.

POB 783140
Wichita, KS 67207

ATTN: Sean Deenihan

S35-14s-41w Wallace, KS

Prairie Wind 1-35

Job Ticket: 45491 **DST#: 1**

Test Start: 2011.12.07 @ 15:34:00

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	39 deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	2200.00 ppm				
Filter Cake:	1.00 inches				

Recovery Information

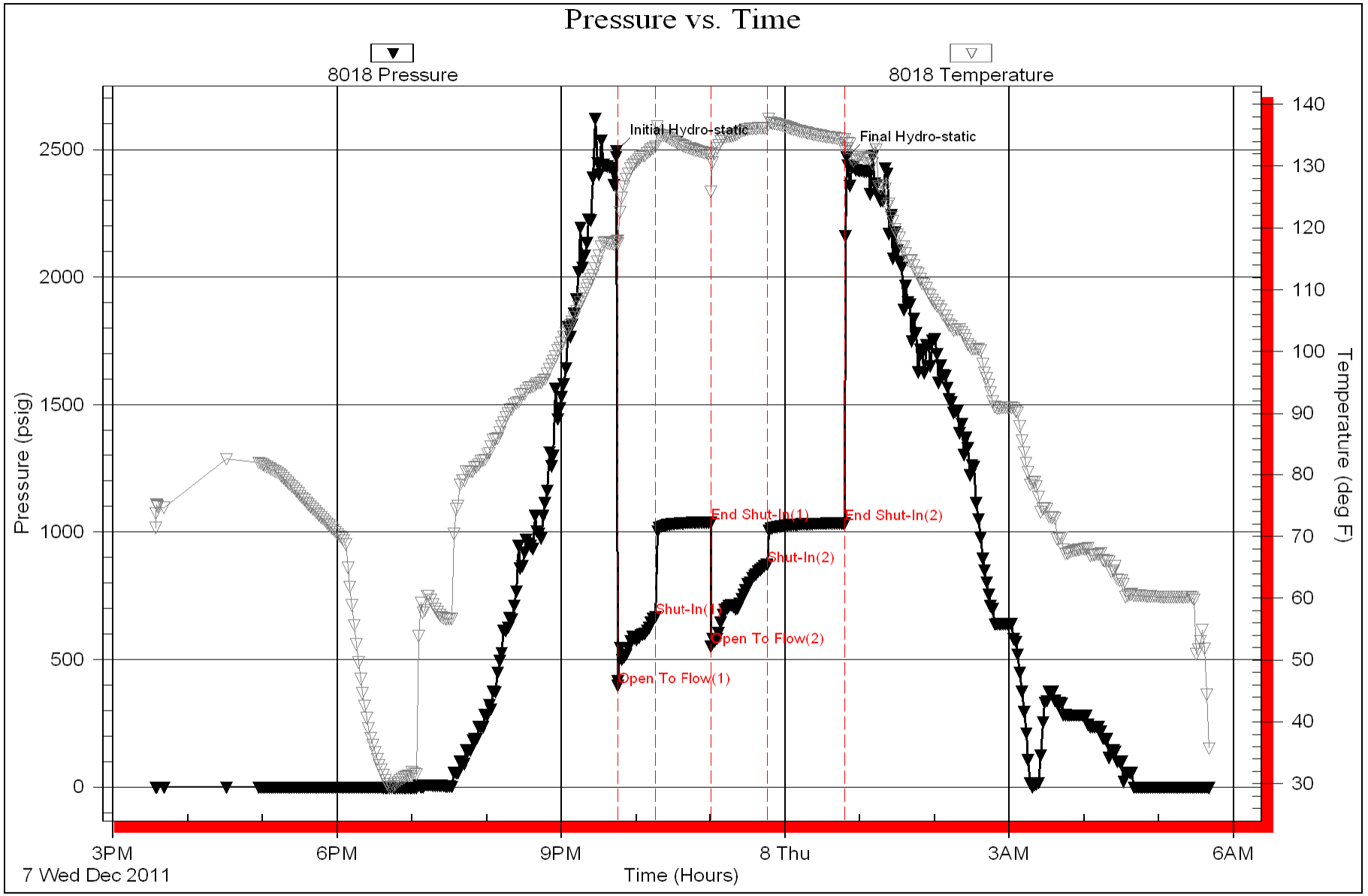
Recovery Table

Length ft	Description	Volume bbl
92.00	GMCO 10g 10m 80o	0.452
184.00	GO 10g 90o	0.905
497.00	GO 35g 75o	4.439
0.00	4160 Feet GIP	0.000

Total Length: 773.00 ft Total Volume: 5.796 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
Laboratory Name: Laboratory Location:
Recovery Comments: API:36 @ 30 Degrees F = 39.

Serial #: 8018 **Inside** Red Oak Energy, Inc. Prairie Wind 1-35 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 45491 Printed: 2011.12.08 @ 08:41:04

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

Kansas
Corporation Commission

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

October 23, 2012

Sean Deenihan
Red Oak Energy, Inc.
7701 E KELLOGG DR STE 710
PO BOX 783140
WICHITA, KS 67207-1738

Re: ACO-1
API 15-199-20391-00-00
Prairie Wind 1-35
SW/4 Sec.35-14S-41W
Wallace County, Kansas

Dear Sean Deenihan:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 11/30/2011 and the ACO-1 was received on October 17, 2012 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department