Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1163797

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5044
Name: White Pine Petroleum Corporation
Address 1: 110 S MAIN ST STE 500
Address 2:
City: WICHITA State: KS Zip: 67202 + 3745
Contact Person: Wilbur C. Bradley
Phone: (316) 262-5429
CONTRACTOR: License # 33902
Name: Hardt Drilling LLC
Wellsite Geologist: Pat Deenihan
Purchaser: Sunoco

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
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

07/22/2013	8/02/2013	10/18/2013
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-077-21953-00-00
Spot Description:
_ NW SE NE Sec. 6 Twp. 33 S. R. 5 ☐ East ☑ West
1650 Feet from ☑ North / ☐ South Line of Section
990 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Harper
Lease Name: Pauline Salser Well #: 2-6
Field Name: Freeport
Producing Formation: Kansas City
Elevation: Ground: 1335 Kelly Bushing: 1345
Total Vertical Depth: 4520 Plug Back Total Depth: 3840
Amount of Surface Pipe Set and Cemented at: 300 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: 9800 ppm Fluid volume: 160 bbls
Dewatering method used: Hauled to Disposal

Location of fluid disposal if hauled offsite:

Operator Name: White Pine Petroleum Corporation
Lease Name: Salser 1-8 License #: 5044
Quarter NW Sec. 8 Twp. 33 S. R. 5 ☐ East ☑ West
County: Harper Permit #: E-31286

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

☑ **Confidentiality Requested**
Date: 10/18/2013
☑ **Confidential Release Date:** 10/19/2015
☑ **Wireline Log Received**
☑ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 10/21/2013

1163797

Operator Name: White Pine Petroleum Corporation Lease Name: Pauline Salser Well #: 2-6

Sec. 6 Twp. 33 S. R. 5 ☐ East ☑ West County: Harper

INSTRUCTIONS: Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

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

List All E. Logs Run:

Cased hole Bond Log
Dual Compensated Prosaty Log
Dual Induction Log

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

Name	Top	Datum
Kansas City	3703	-2358
BKC	3952	-2607
Mississippi	4365	-3025
RTD	4520	-3175

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	12.25	8.625	23	300	60/40 POZ	220	Cell Flake
PRODUCTION	7.875	5.5	14	4520	AAZ	200	SALT S-44 Gilsonite

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	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☐ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☐ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

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
	Cast Iron Plug @3840	750 gal MCA	3722-26
4	3722-26		

TUBING RECORD: Size: 2.875 Set At: 3814 Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR. 10/18/2013

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

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	10	0	20		

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:

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

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 18, 2013

Wilbur C. Bradley
White Pine Petroleum Corporation
110 S MAIN ST STE 500
WICHITA, KS 67202-3745

Re: ACO1
API 15-077-21953-00-00
Pauline Salser 2-6
NE/4 Sec.06-33S-05W
Harper 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,
Wilbur C. Bradley

BASiC energy services, L.P.

TREATMENT REPORT

Customer: White Pine Petroleum Corp	Lease No.	Date: 8-3-13
Lease: Pauline Salser	Well #: 2-6	

Field Order #: 8752	Station: Pratt	Casing: 5 1/2	Depth: 4486.66	County: Harper	State: KS
Type Job: CNW L S		Formation:		Legal Description: 6-33-5	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 5 1/2	Tubing Size	Shots/Ft		~~Acid~~ cmt AA2 1/4# CF.	.2% Defoamer RATE	PRESS. 10% salt	ISIP
Depth: 4486.66	Depth	From	To	Pre Pad: .75% gas block	Max: .5% FLC	5#/sk	5 Min. gilsonite
Volume: 109.47	Volume	From	To	Pad	Min		10 Min.
Max Press: 1500	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: P.C.	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 4474.66	Packer Depth	From	To	Flush	Gas Volume		Total Load

Customer Representative: Mike Bradley	Station Manager: Kevin Gordley	Treater: Mike Mattal

Service Units	37216		27463		19831	19862					
Driver Names	Mattal		Young		Pierson						

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
10:30AM					Trucks on location / safety meeting
10:55					Start running casing
—					Turbo on 1, 2, 12, 19, 26, 27 basket on 4
12:40PM					Casing on bottom
12:50					Hook up to circ / break circ w/ rig / circ for
2:30	200		20	5	Pump 20 bbls 2% KCL H2O
2:35	200		12	5	Pump 12 bbls mud flush
2:40	200		3	5	Pump 3 bbls H2O
2:45	300		53	6	Mix 200 sks of AA2 cmt
2:57					Release plug
3:00	200		95	6	Start 2% KCL disp.
3:21	400		15	3	Slow rate
3:26	600		110		Plug down / plug held circ. thru job
					Plug rat hole
					Job complete
					Thank You
					Mike Mattal

10244 NE Hiway 61 • P.O. Box 8613 • Pratt, KS 67124-8613 • (620) 672-1201 • Fax (620) 672-5383

BASIC energy services, L.P.

TREATMENT REPORT

Customer: White Pine Petroleum Corporation	Lease No.	Date: 7-22-13	
Lease: Pauline Salser	Well #: 2-6		
Field Order #: 8648	Station: Pratt, Kansas	Casing: 8 5/8 23 Lb.	Depth: 310 Feet
County: Harper	State: Kansas		
Type Job: C.N.W. - Surface	Formation	Legal Description: 6-33S-5W	

PIPE DATA		PERFORATING DATA		FLUID USED	TREATMENT RESUME		
Casing Size: 8 5/8 23	Tubing Size / Lb./Ft.	Shots/Ft	220 sacks	Acid: 60/40 Poz with 3% Calcium Chloride, 2 Gel	RATE	PRESS	ISIP
Depth: 310 Feet	Depth	From	To: 286 Cement	Pre Pad	Max		5 Min. Flake
Volume: 19.8 Bbl.	Volume	From	To	Pad: 15 Lb/Gal., 4.91 Gal/sk., 1.17 CU FT/sk.	Min		10 Min.
Max Press: 300 P.S.I.	Max Press	From	To	Frac	Avg		15 Min.
Well Connection: Plug Container	Annulus Vol.	From	To		HHP Used		Annulus Pressure
Plug Depth: 245 Feet	Packer Depth	From	To	Flush: 19 Bbl. Fresh water	Gas Volume		Total Load

Customer Representative: Scott Adelhardt		Station Manager: Kevin Gordley		Treater: Clarence R. Messick						
Service Units	37,216	77,686	19,905	20,959	19,918					
Driver Names	Messick	Anthony		Whitfield						

Time P.M.	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
3:30					Trucks on location and hold safety meeting.
3:38	Hardt	Drilling	start to run 7 Joints new 23 Lb./Ft 8 5/8 Casing		
4:22					Circulate well. Circulate for 5 minutes
4:25	200			5	Start Fresh water Pre-Flush
			10	5	Start mixing 220 sacks 60/40 Poz cement
	0		@ 55		Stop pumping. Shut in well. Release Wooden
					Plug. Open well.
4:53	150			5	Start Fresh water Displacement
5:00	300		19		Plug down. Shut in well.
					Circulated 10 Bbl. cement to the pit
					Wash up pump truck.
5:30					Job Complete
					Thank You
					Clarence, James, Bryan

LOG-TECH of Kansas Inc.
GREAT BEND, KANSAS

GAMMAY RAY NEUTRON
BOND

Company WHITE PINE PETRULEUM CORP.
Well PAULINE SALSER #2-6
Field FREEPORT
County HARPER
State KANSAS

Location
1650' FNL & 990' FEL

SEC.	TWP.	RGE.
6	33S	5W

Permanent Datum GROUND LEVEL Elevation 1335
Log Measured From KELLY BUSHING 10' AGL
Drilling Measured From KELLY BUSHING

Other Services

Elevation
K.B. 1345
D.F.
G.L. 1335

Date	08-22-2013	08-22-2013
Run Number	ONE	TWO
Depth Driller	4520	
Depth Logger	4473	4473
Bottom Logged Interval	4472	4472
Top Log Interval	3269	3269
Open Hole Size		
Type Fluid	WATER	WATER
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top	3469	
Time Well Ready		
Time Logger on Bottom		
Equipment Number	52	
Location	GREAT BEND	
Recorded By	LEE BRETZ	
Witnessed By	MR. WILBUR BRADLEY	

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Wgt/Ft	Top	Bottom

Casing Record

	Size	Weight	From	To
Surface String	8.625		0	313
Prot. String				
Production String	5.5		0	4486
Liner				

<<< Fold Here >>>

Comments

THANK YOU FOR USING LOG TECH OF KANSAS!
(620)792-2167

DIRECTIONS
DANVILLE,KS
5 1/2 SOUTH WEST INTO

CORRECTED +5' TO OPENHOLE LOG

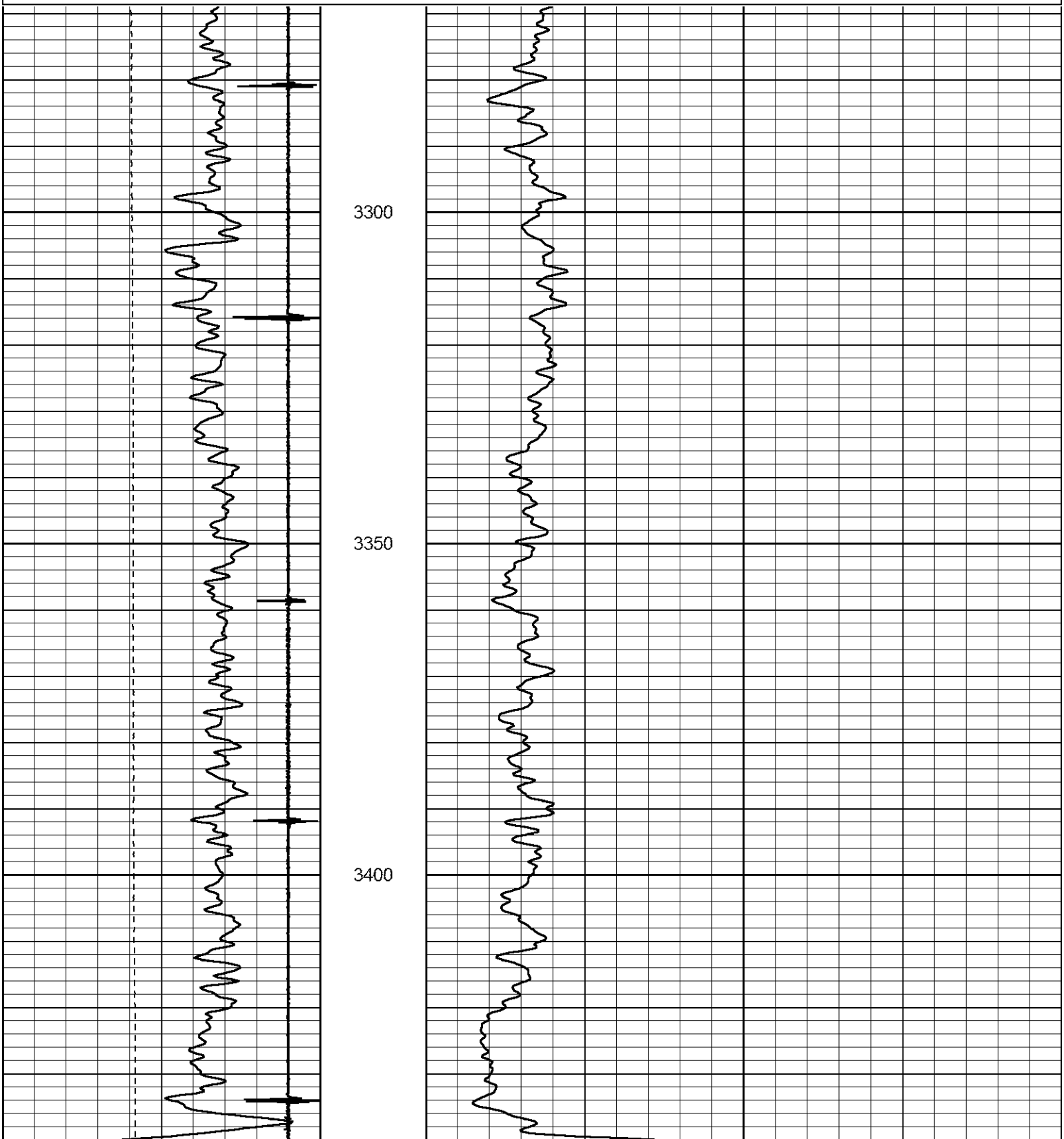
LOG-TECH of Kansas Inc.
GREAT BEND, KANSAS

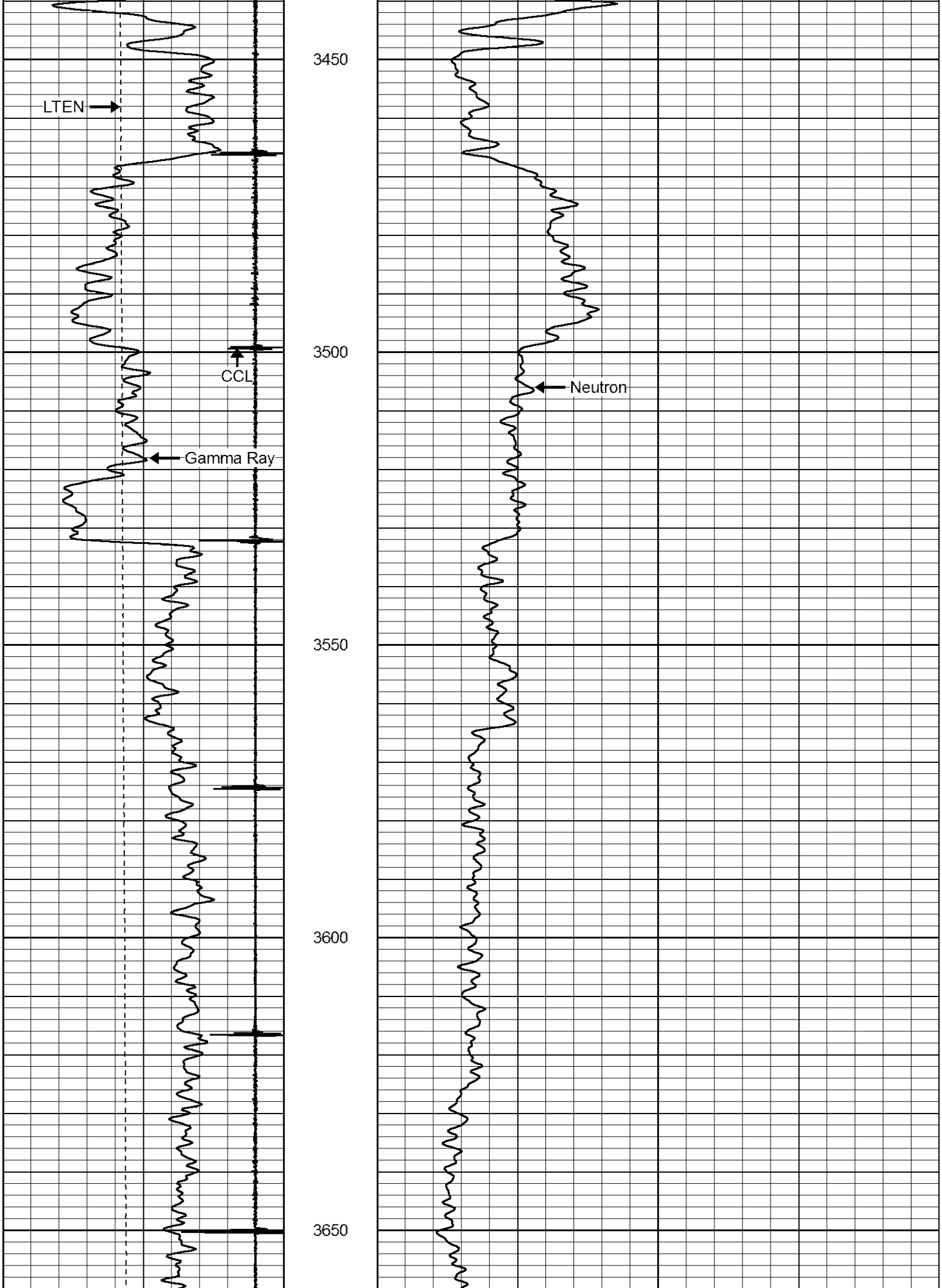
MAIN PASS

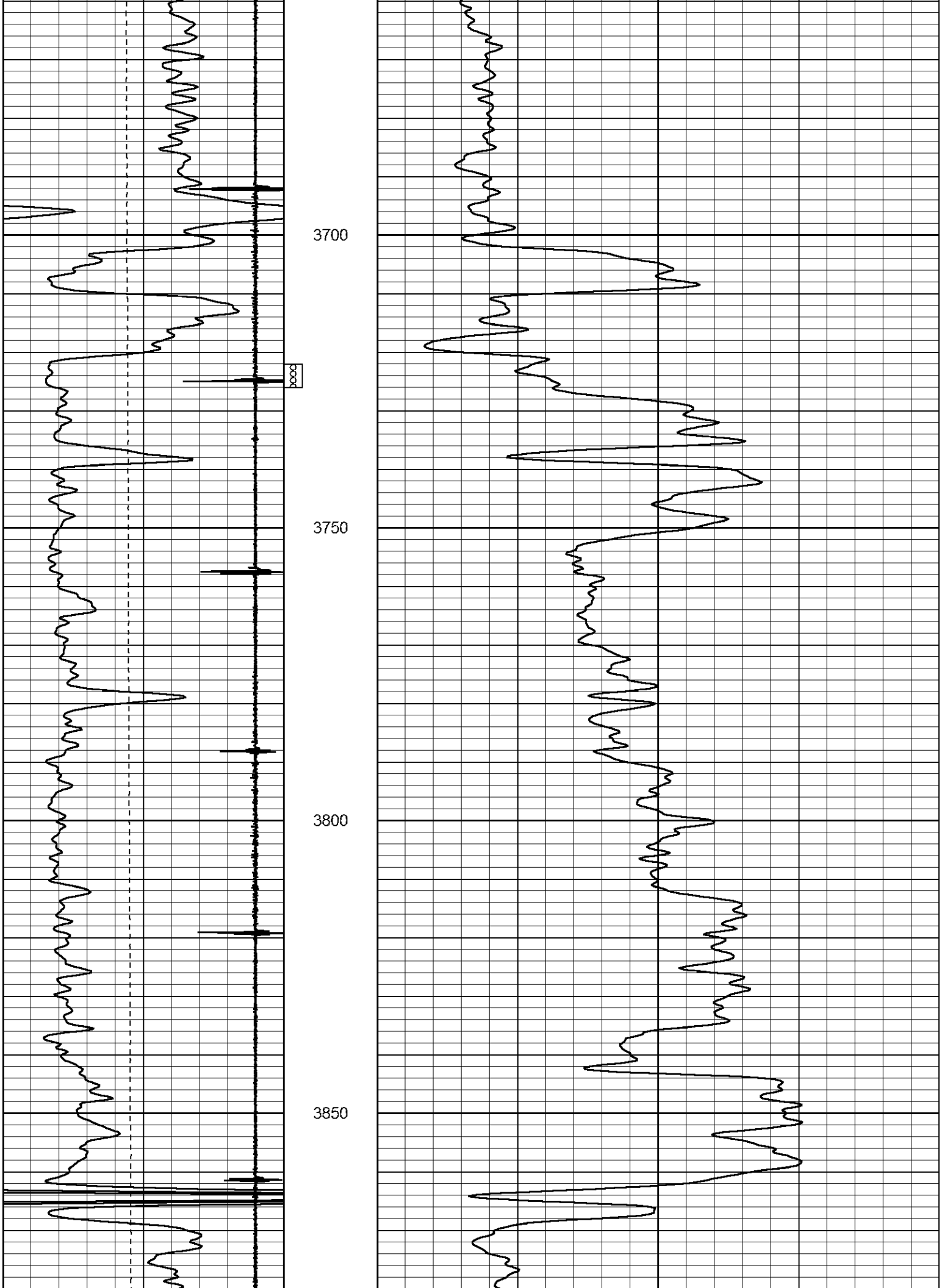
Database File:	paulinesalser26.db
Dataset Pathname:	pass6
Presentation Format:	gr-n-ccl
Dataset Creation:	Thu Aug 22 10:42:00 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

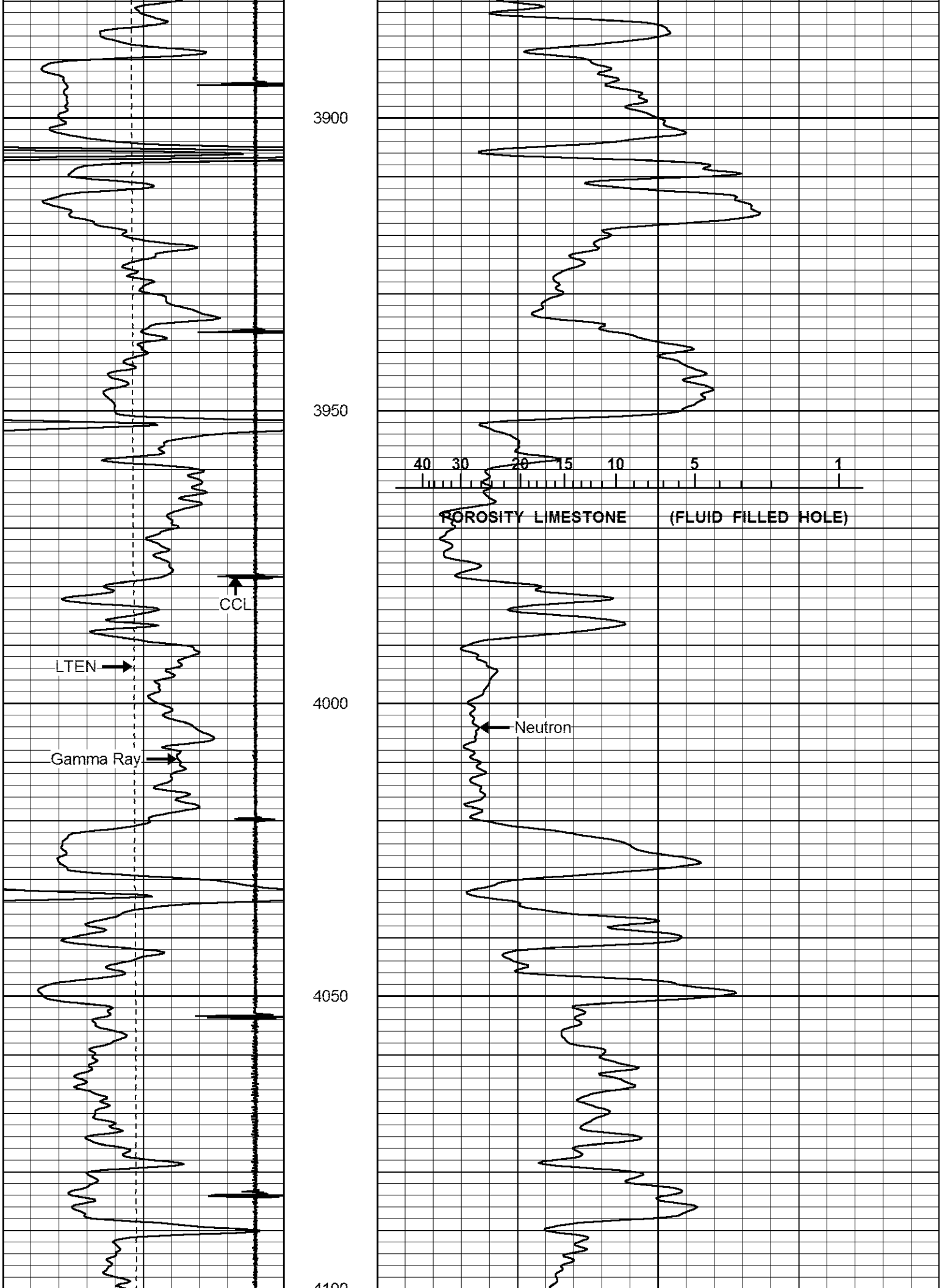
9	CCL	-1
0	LTEN (lb)	2000
0	GR (GAPI)	150
150	GR (GAPI)	300
300	GR (GAPI)	450

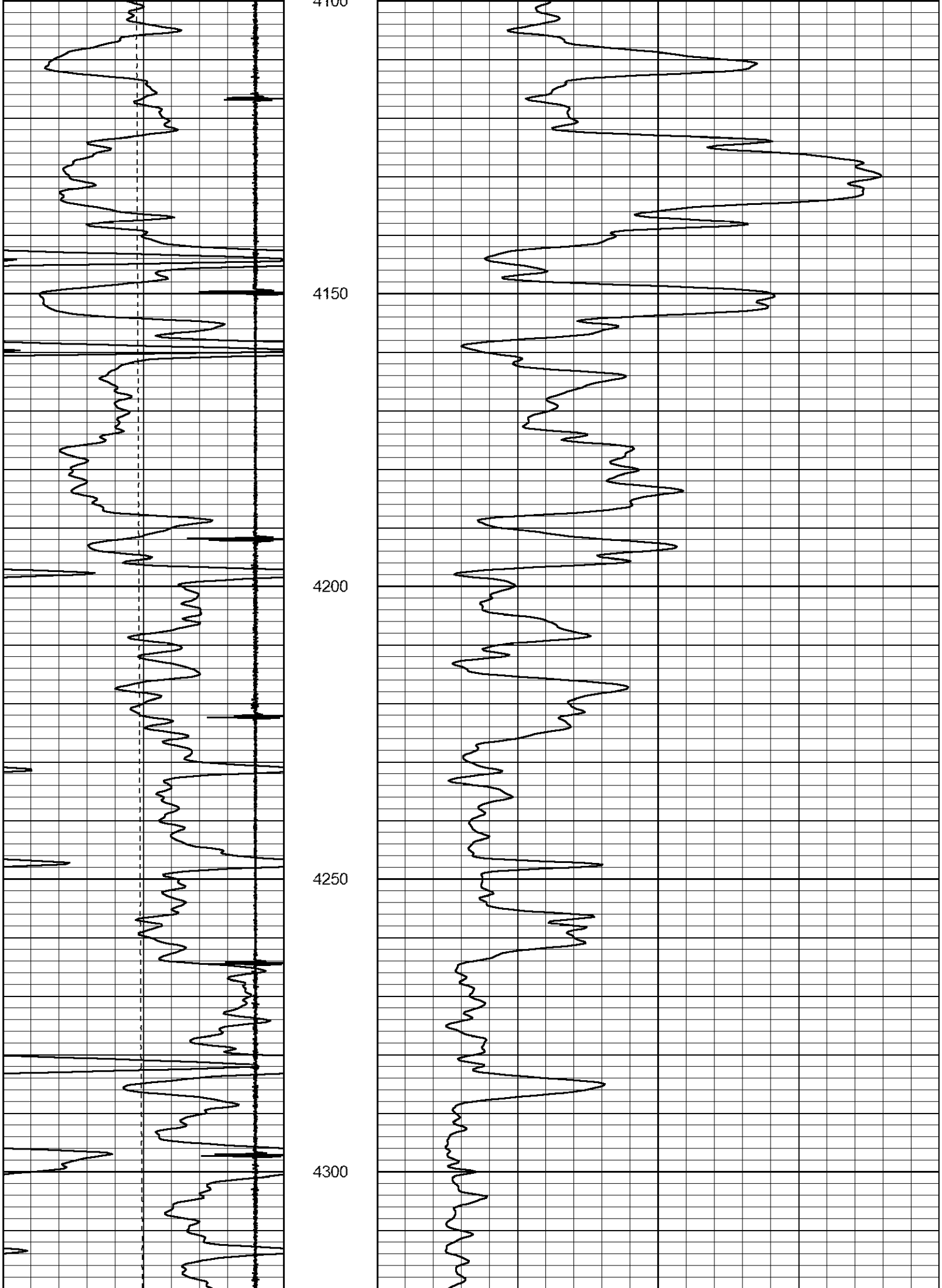
110	NEU (cps)	1000

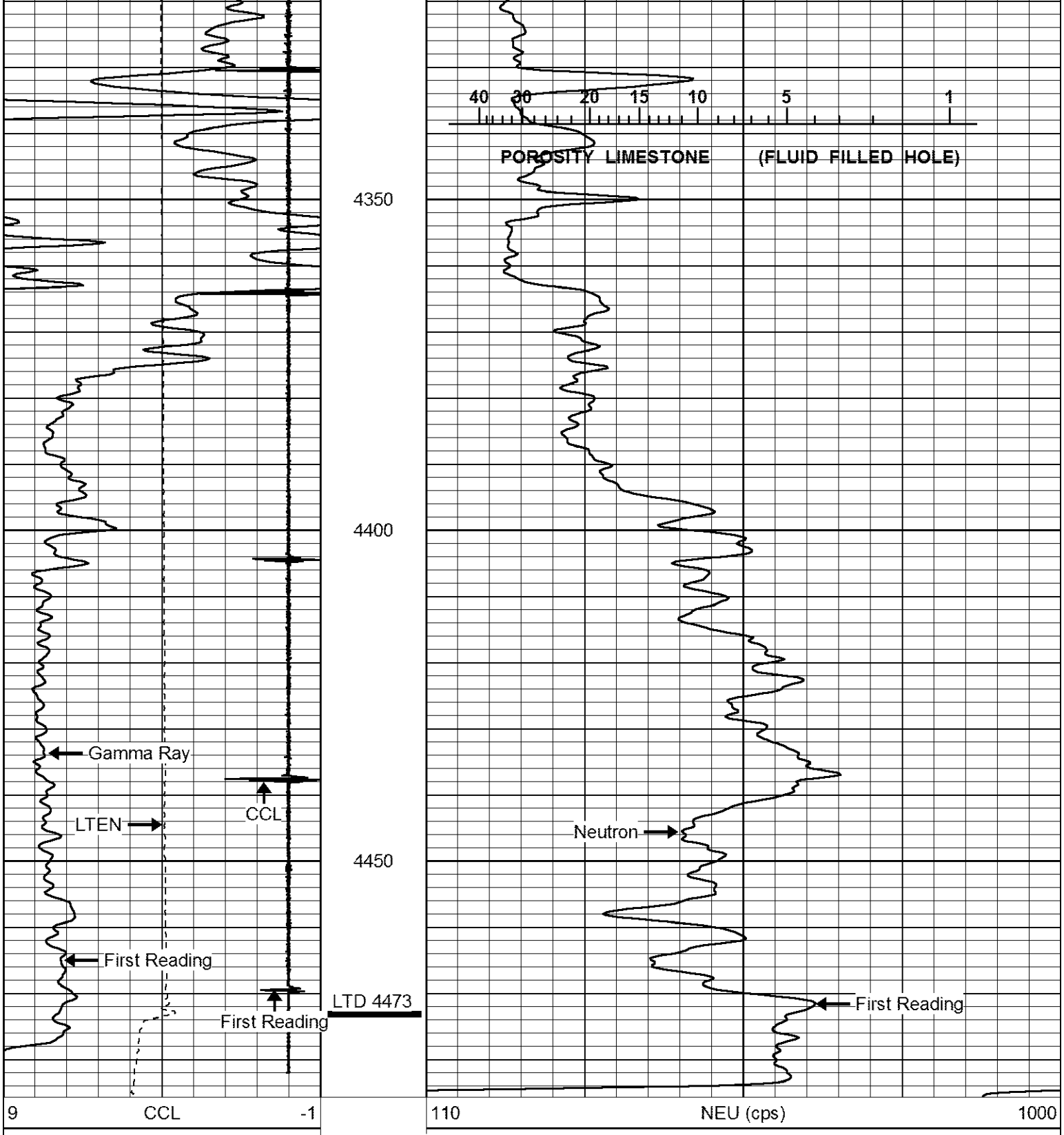



LTEN
CCL
Gamma Ray
Neutron
3450
3500
3550
3600
3650


3700
3750
3800
3850


3900
3950
4000
4050
40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)
CCL
LTEN
Gamma Ray
Neutron


4100
4150
4200
4250
4300



0	LTEN (lb)	2000
0	GR (GAPI)	150
150	GR (GAPI)	300
300	GR (GAPI)	450

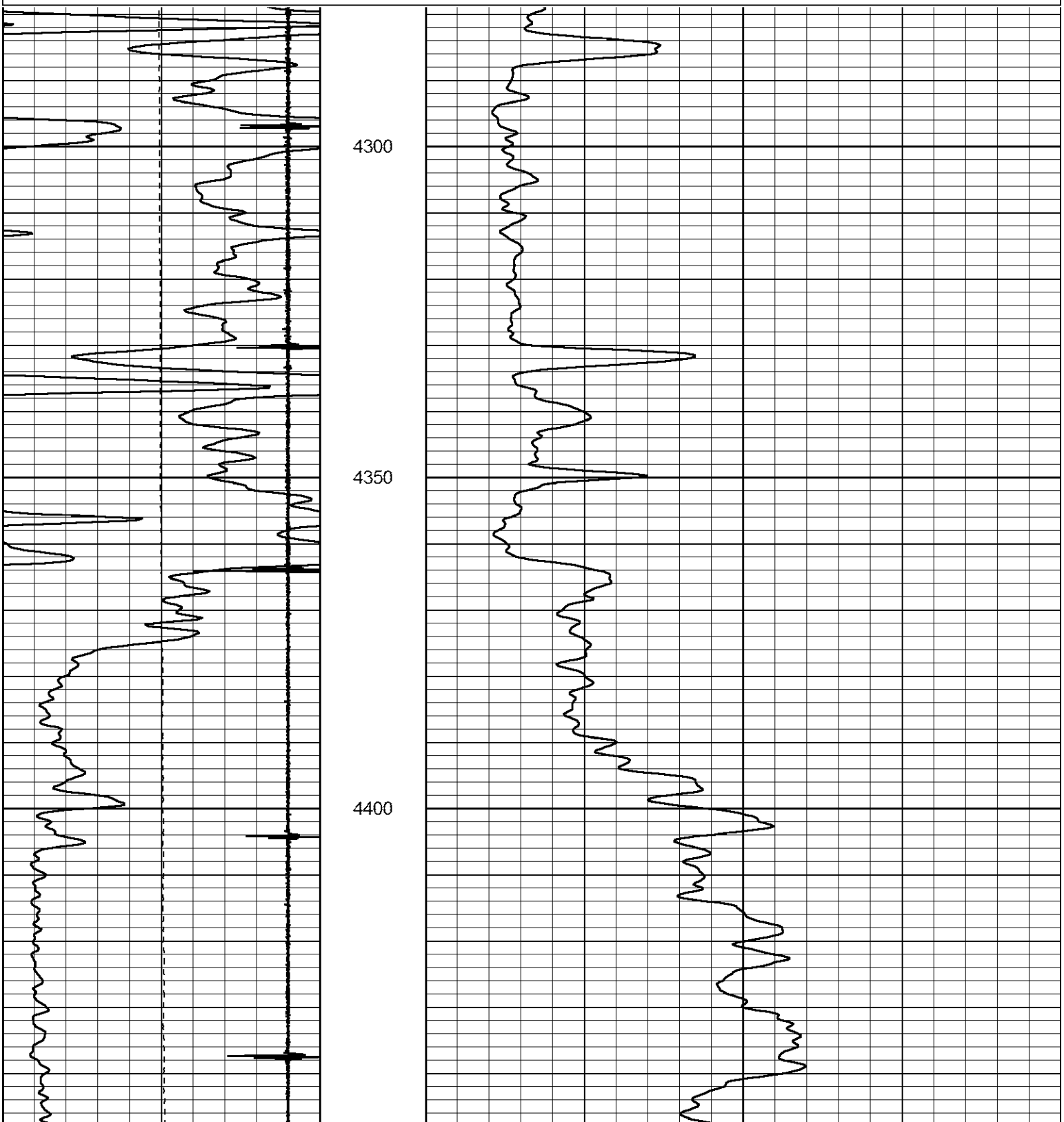
LOG-TECH of Kansas Inc.
GREAT BEND, KANSAS

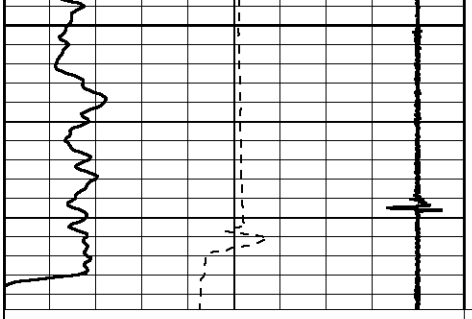
REPEAT SECTION

Database File:	paulinesalser26.db
Dataset Pathname:	pass5
Presentation Format:	gr-n-ccl
Dataset Creation:	Thu Aug 22 10:30:27 2013 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

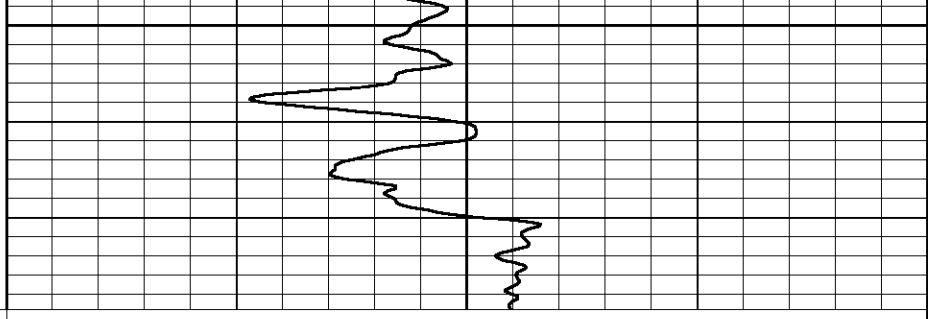
9	CCL	-1
0	LTEN (lb)	2000
0	GR (GAPI)	150
150	GR (GAPI)	300
300	GR (GAPI)	450

110 NEU (cps) 1000





4450



9	CCL	-1
0	LTEN (lb)	2000
0	GR (GAPI)	150
150	GR (GAPI)	300
300	GR (GAPI)	450

110	NEU (cps)	1000

LOG-TECH of Kansas Inc.
GREAT BEND, KANSAS

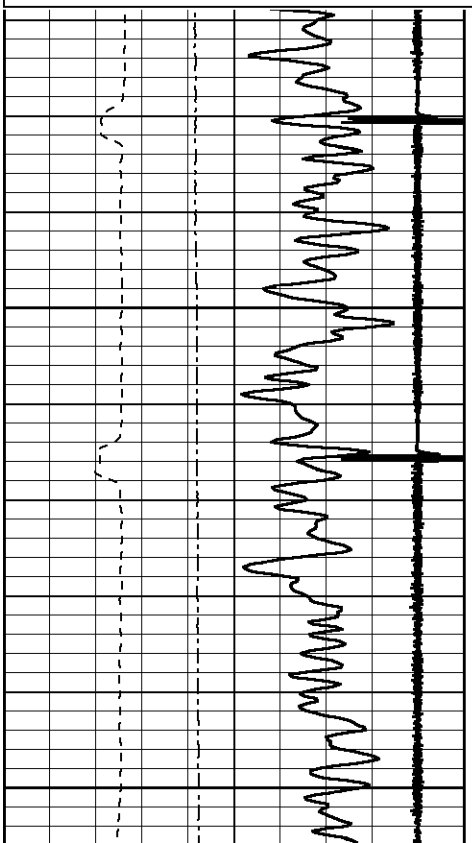
MAIN PASS

Database File: paulinesalser26.db
Dataset Pathname: pass3
Presentation Format: cbl02
Dataset Creation: Thu Aug 22 09:31:05 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

9	Collar Locator	-1
0	Gamma Ray (GAPI)	150
320	TT3 (usec)	120
0	LTEN (lb)	2000

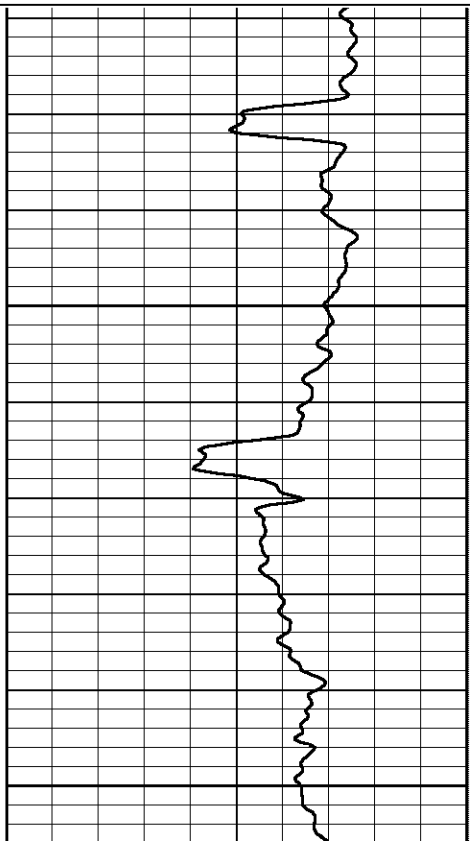
0	Amplitude (mV)	100
0	X5 Amplitude (mV)	20

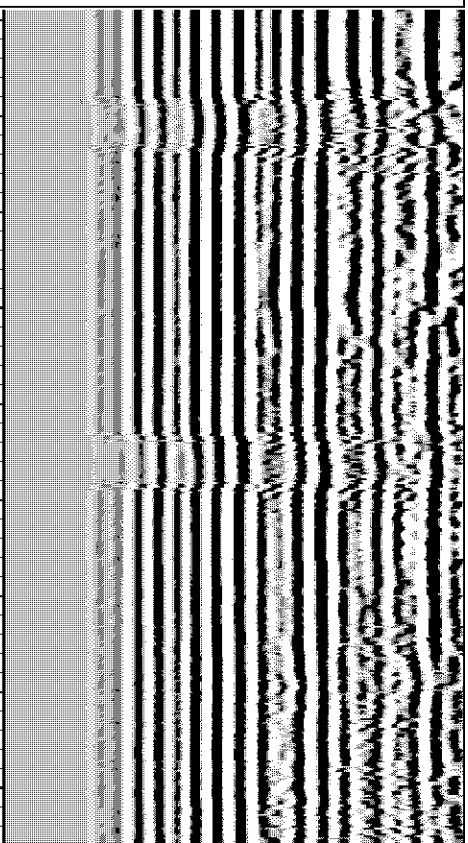
200	VARIABLE DENSITY	1200

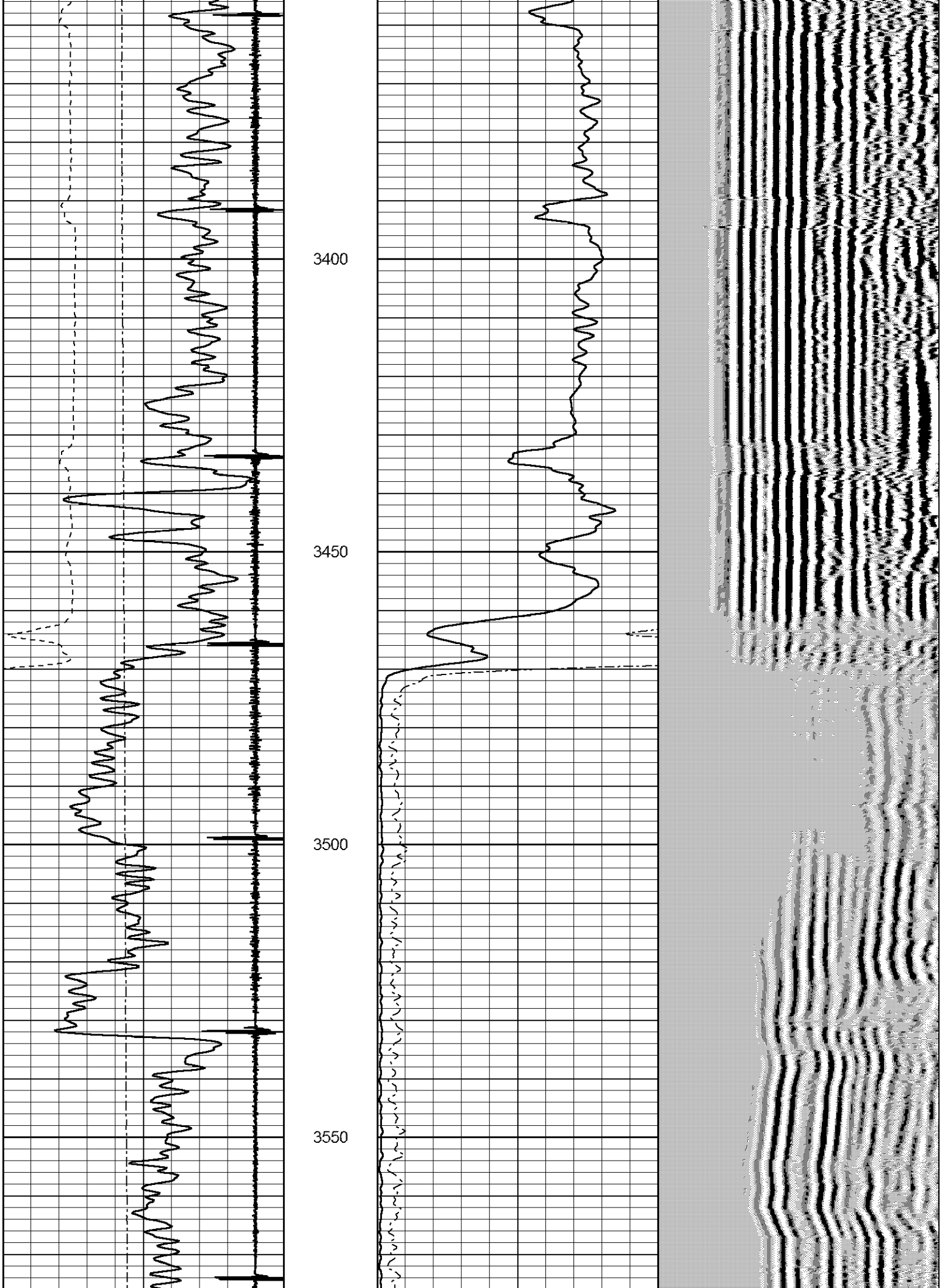


3300

3350



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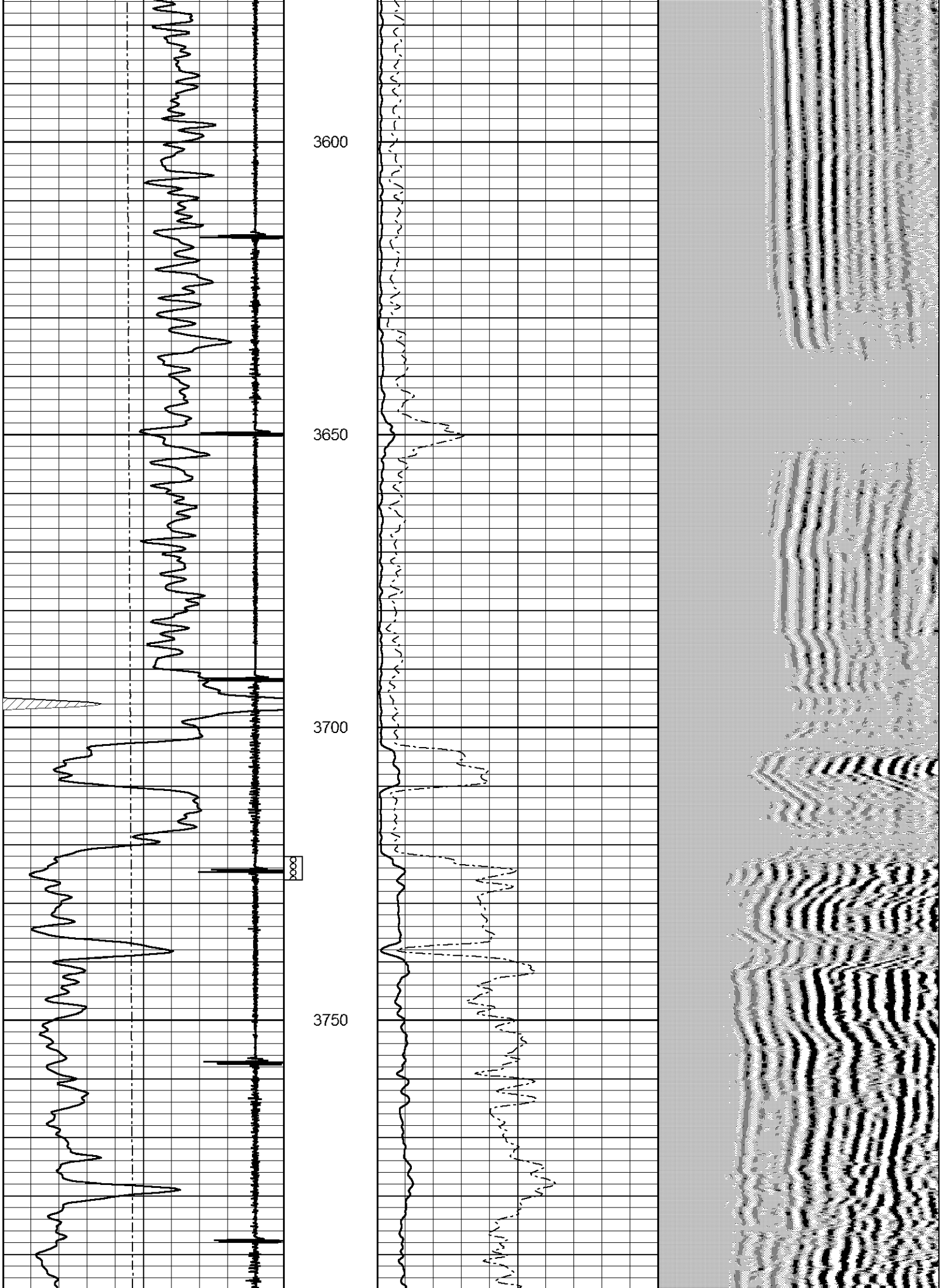
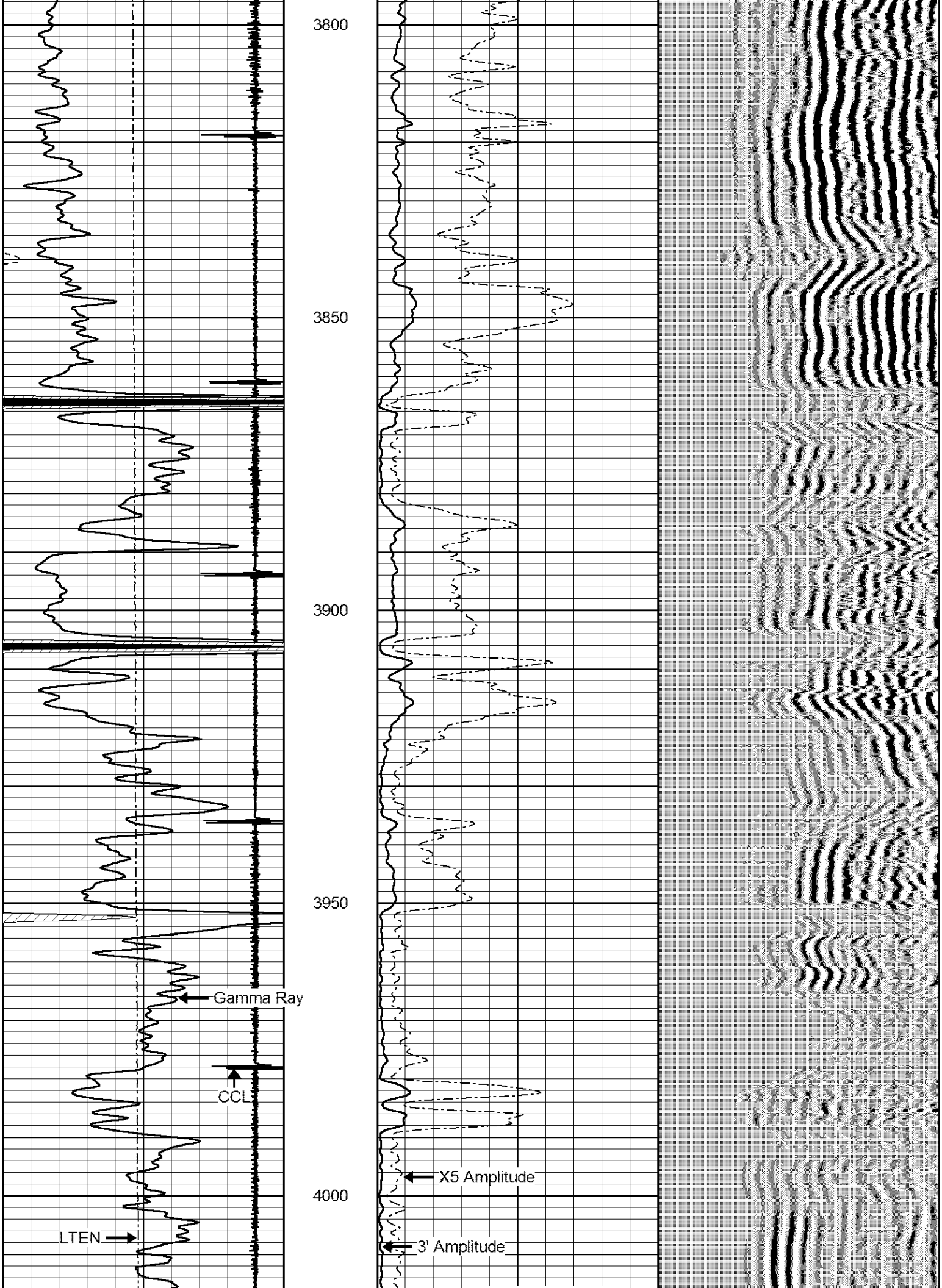
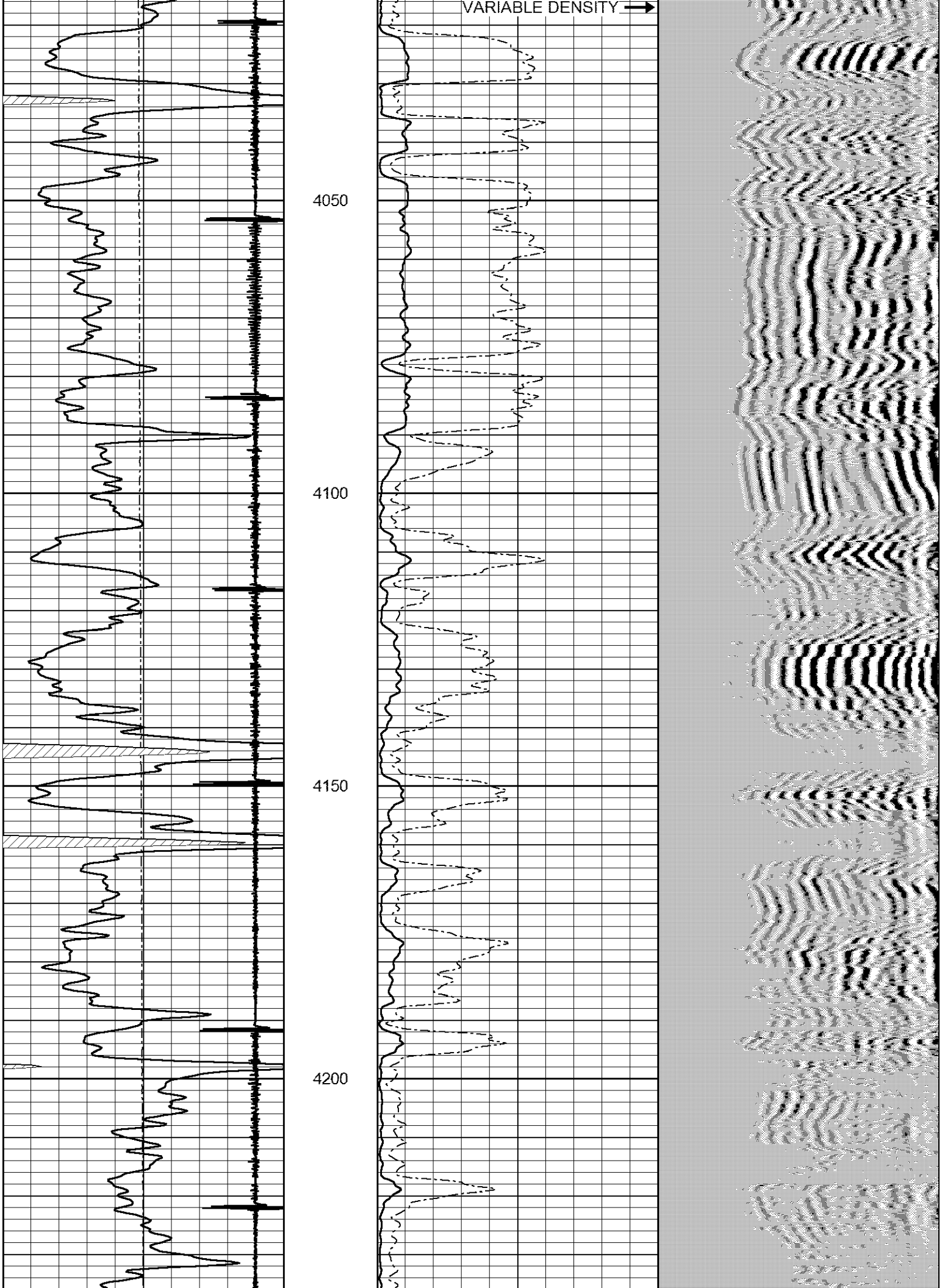
3450
3500
3550


3600
3650
3700
3750


3800
3850
3900
3950
4000
Gamma Ray
CCL
LTEN
X5 Amplitude
3' Amplitude


VARIABLE DENSITY
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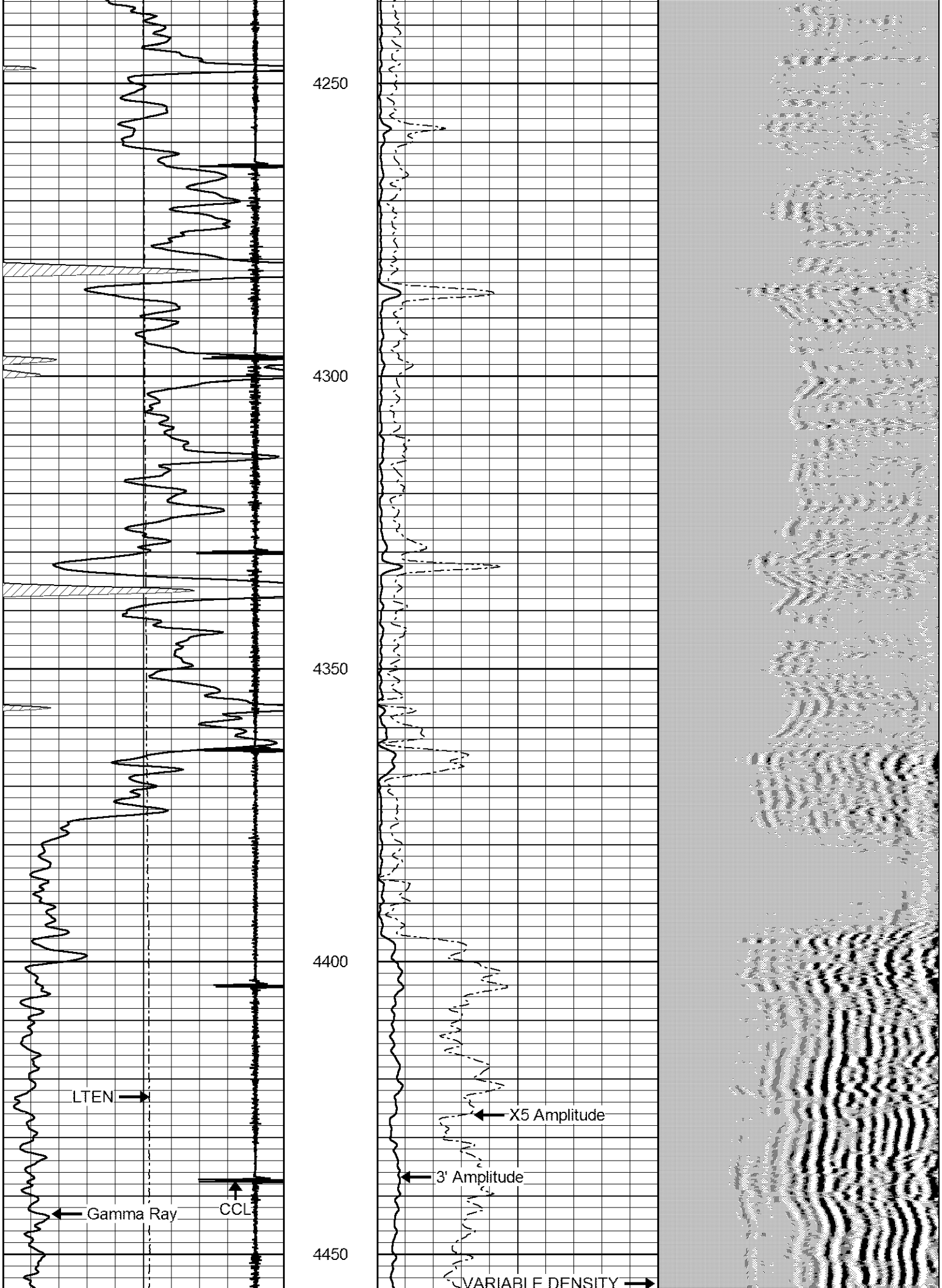
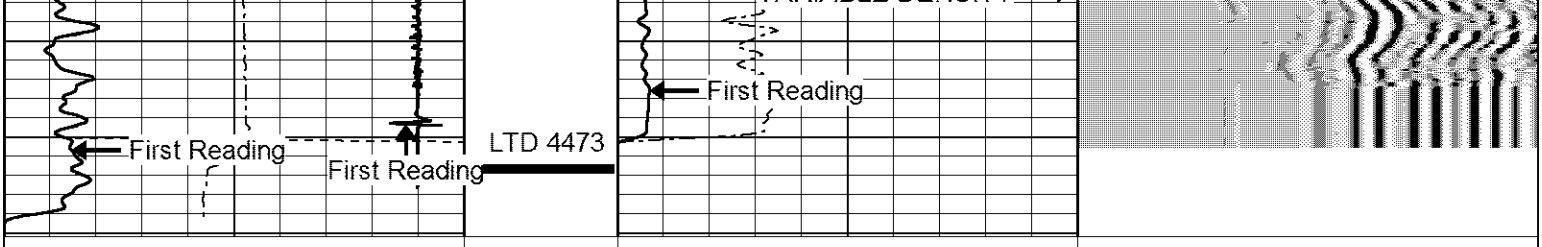
4100
4150
4200


4250
4300
4350
4400
4450
LTEN
Gamma Ray
CCL
X5 Amplitude
3' Amplitude
VARIABLE DENSITY



9	Collar Locator	-1	0	Amplitude (mV)	100	200	VARIABLE DENSITY 1200
0	Gamma Ray (GAPI)	150	0	X5 Amplitude (mV)	20		
320	TT3 (usec)	120					
0	LTEN (lb)	2000					

LOG-TECH of Kansas Inc.
GREAT BEND, KANSAS

REPEAT SECTION

Database File: paulinesalser26.db
Dataset Pathname: pass2
Presentation Format: cbl02
Dataset Creation: Thu Aug 22 09:23:20 2013 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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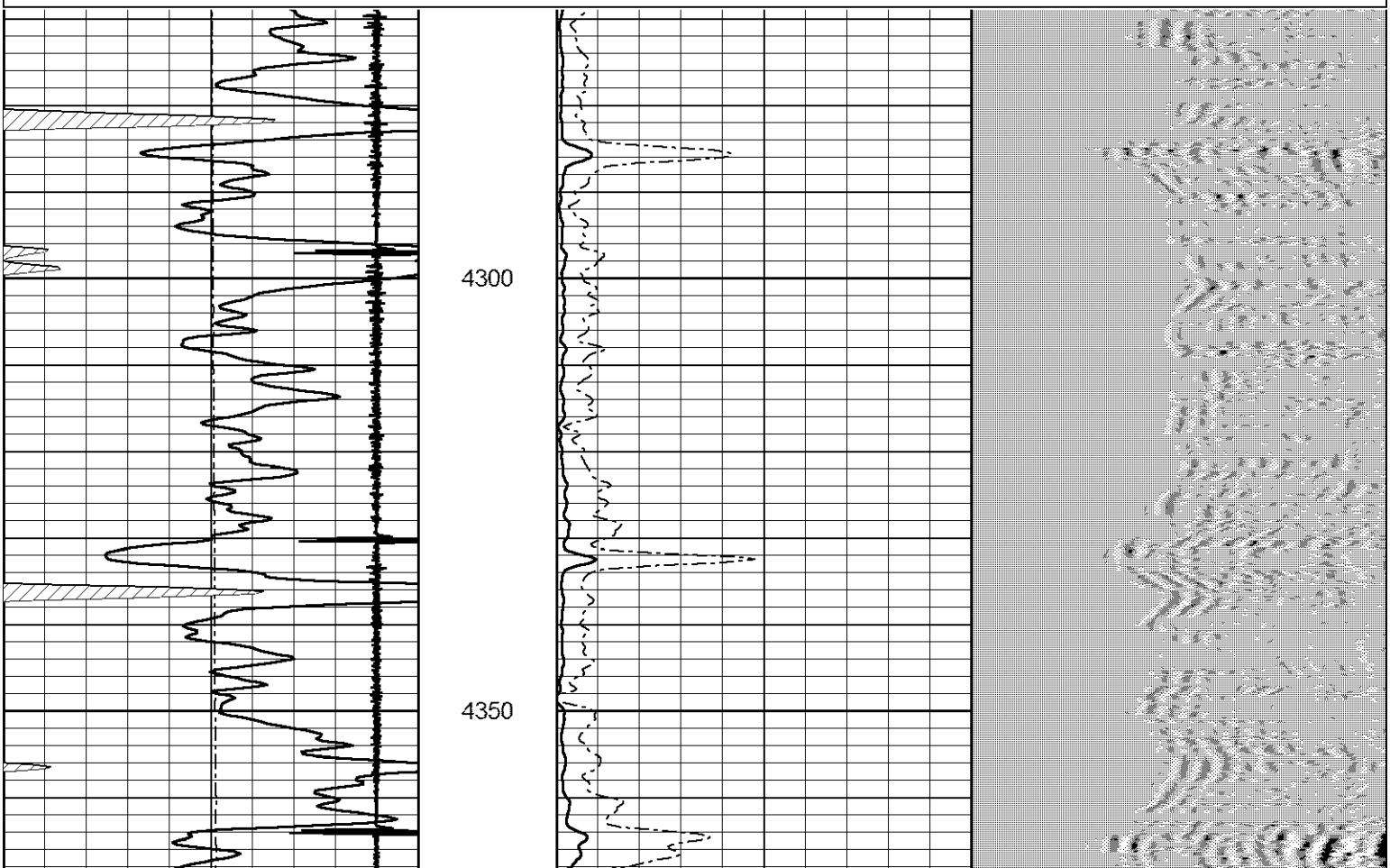
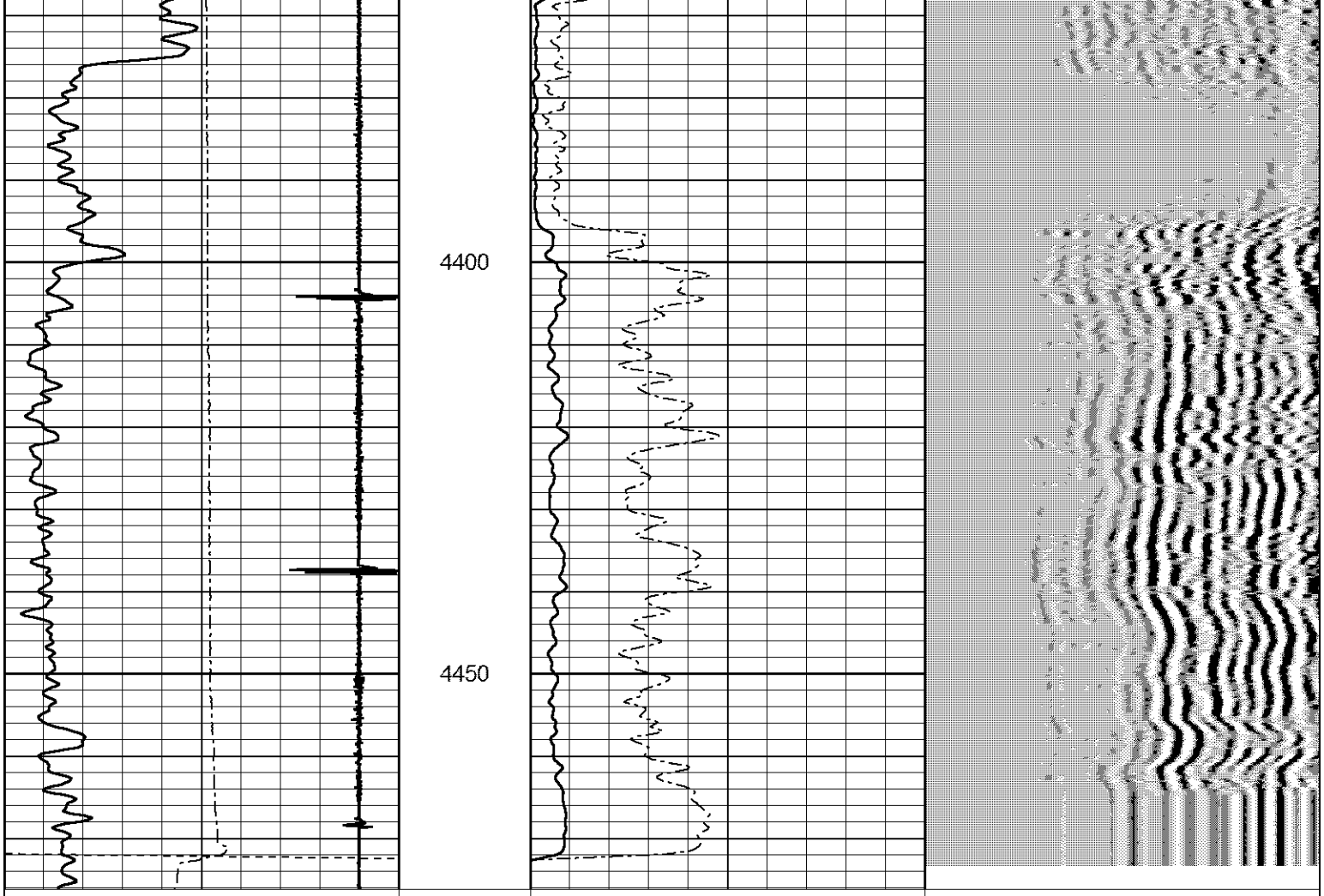
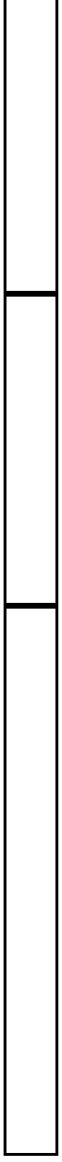
0	Gamma Ray (GAPI)	150	0	X5 Amplitude (mV)	20		
320	TT3 (usec)	120					
0	LTEN (lb)	2000					

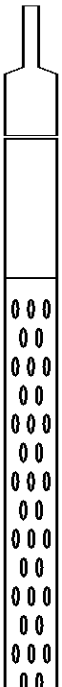


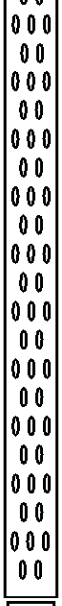


Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	10.00
GR	7.73					
			GR-pgr1 (pgr01) pengogrbig	4.13	3.13	30.00

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	3.53		CCL-PCCL (PC1) PENGOCCL	1.56	3.13	10.00
NEU	1.29		NEU-PENGO1 (PN1) PENGOBIG	2.75	3.13	20.00

Dataset: paulinesalser26.db: field/well/run1/pass6
Total Length: 9.44 ft
Total Weight: 70.00 lb
O.D. 3.13 in

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			STNDRD Standard Cable Head	1.00	1.69	10.00

WVF3	8.76		CBL-probecbl (probecbl1) probe cbl	8.75	2.75	92.00
WVF5	7.76					
CCL	3.69		CCL-probe (cclpr) probe ccl	1.55	2.75	30.00
GR	0.90		GR-probegr (progr1) probe gamma ray	3.02	2.75	20.00

Dataset: paulinesalser26.db: field/well/run1/pass3
Total Length: 14.32 ft
Total Weight: 152.00 lb
O.D. 2.75 in

PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No. 15-077-21,953-00-00

Company White Pine Petroleum Corporation

Well Pauline Salser No. 2-6

Field Freeport

County Harper State Kansas

Location 1,650' FNL & 990' FEL

Sec: 6 Twp: 33S Rge: 5W

Other Services: DIL

Elevation: K.B. 1345, D.F. , G.L. 1335

Permanent Datum: Ground Level — Elevation 1335

Log Measured From: Kelly Bushing — 10 Ft. Above Perm. Datum

Drilling Measured From: Kelly Bushing

Date	8/2/2013
Run Number	One
Type Log	CNL / CDL
Depth Driller	4520
Depth Logger	4518
Bottom Logged Interval	4497
Top Logged Interval	3200
Type Fluid In Hole	Chemical
Salinity, PPM CL	7000
Density	8.9
Level	Full
Max. Rec. Temp. F	121
Operating Rig Time	2 1/2 Hours
Equipment -- Location	108 Hays
Recorded By	J. Long
Witnessed By	Pat Deenihan

Borehole Record

Run No.	Bit	From	To
One	12.25	00	313
Two	7.875	313	TD

Casing Record

Size	Wgt.	From	To
8.625	23#	00	313

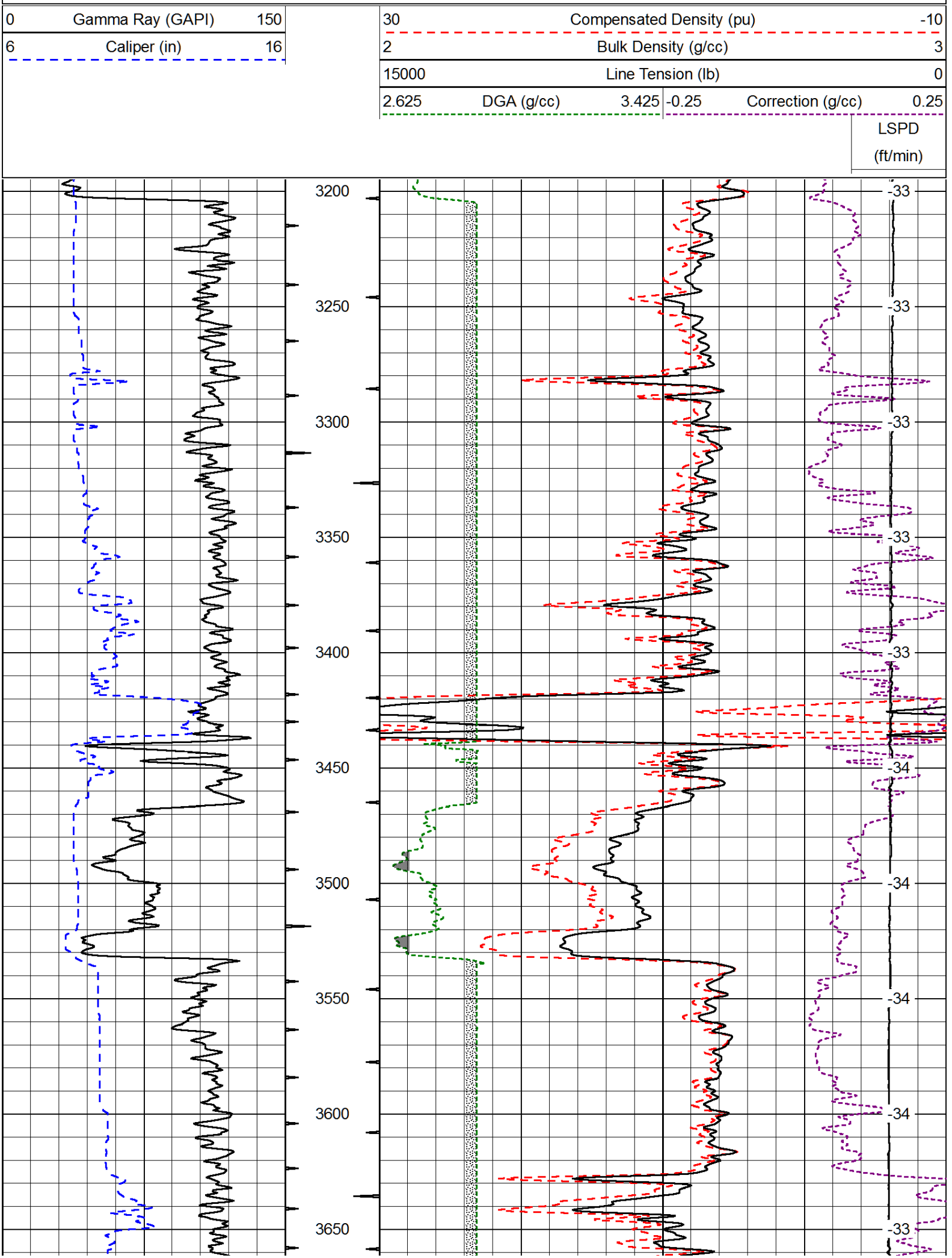
<<< Fold Here >>>

Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Danville, 5 1/4 South, West Into

Database File: whitepine_paulinesaulser_2-6hd.db
Dataset Pathname: dil/whitestck2
Presentation Format: cdl
Dataset Creation: Sat Aug 03 01:42:13 2013
Charted by: Depth in Feet scaled 1:600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6 Caliper (in) 16
30 Compensated Density (pu) -10
2 Bulk Density (g/cc) 3
15000 Line Tension (lb) 0
2.625 DGA (g/cc) 3.425
-0.25 Correction (g/cc) 0.25
LSPD
(ft/min)
3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
-33
-33
-33
-33
-33
-34
-34
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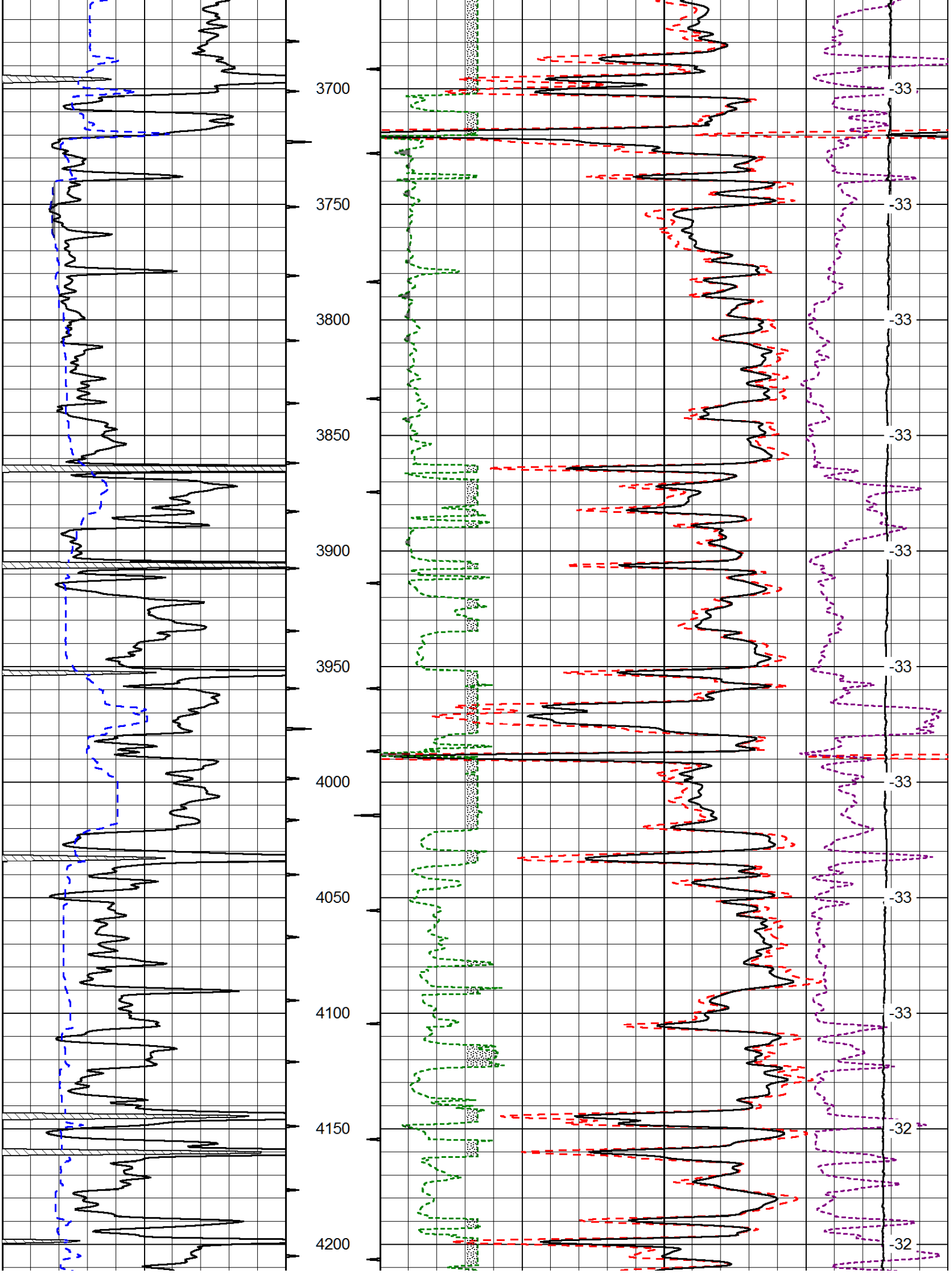
-34
-33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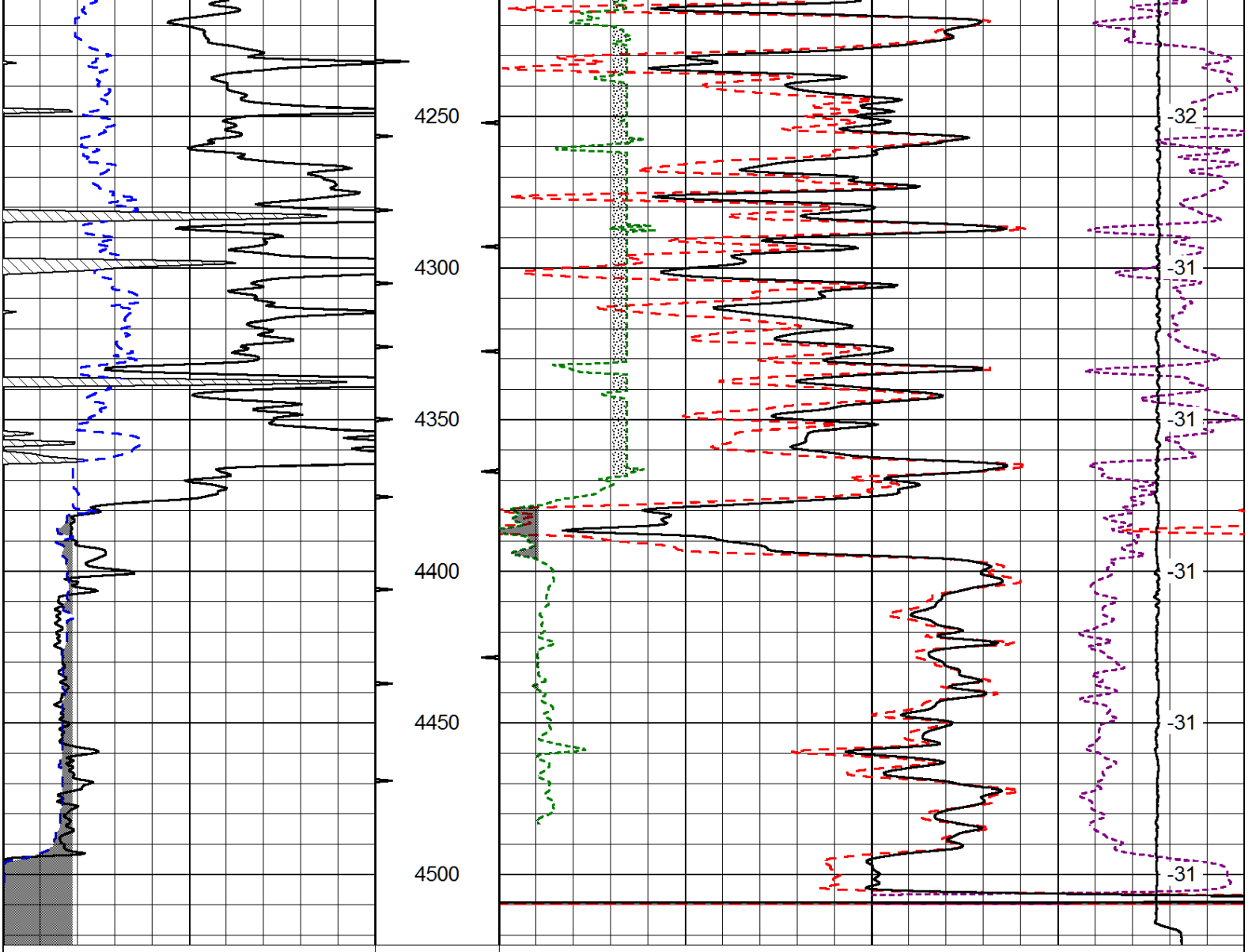

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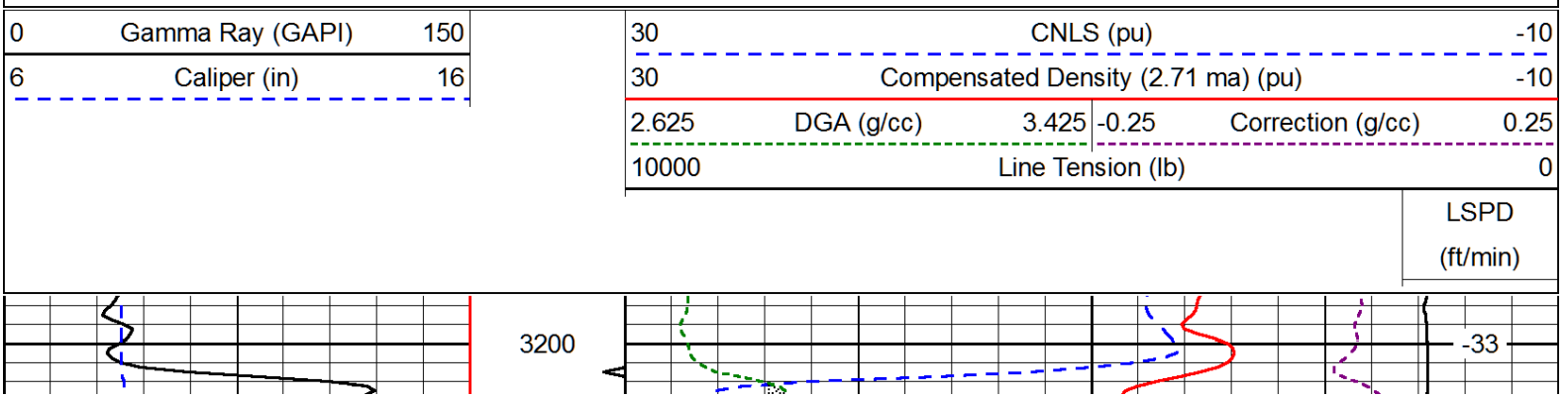
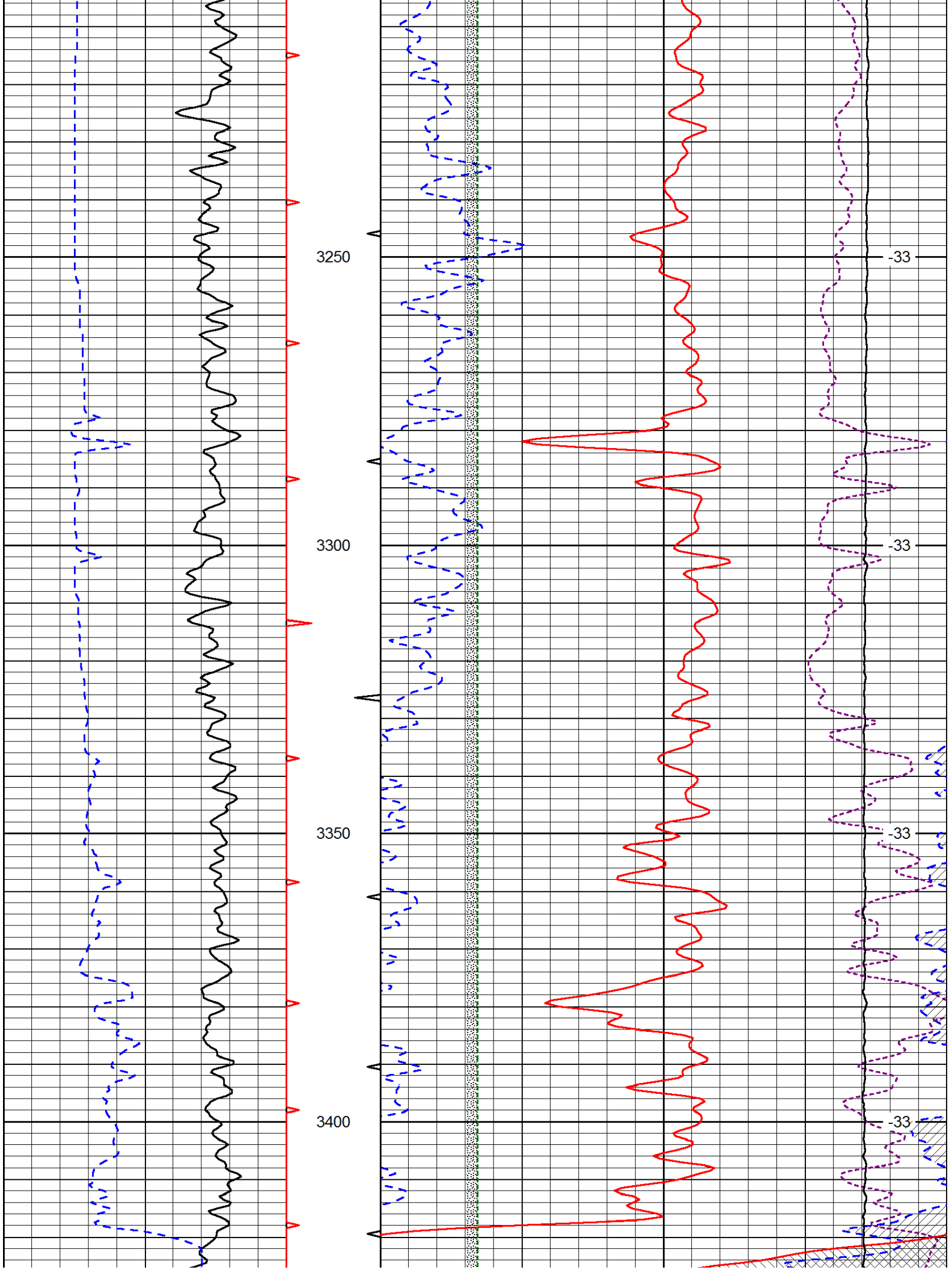
Dataset Creation: Sat Aug 03 01:42:13 2013
Charted by: Depth in Feet scaled 1:240

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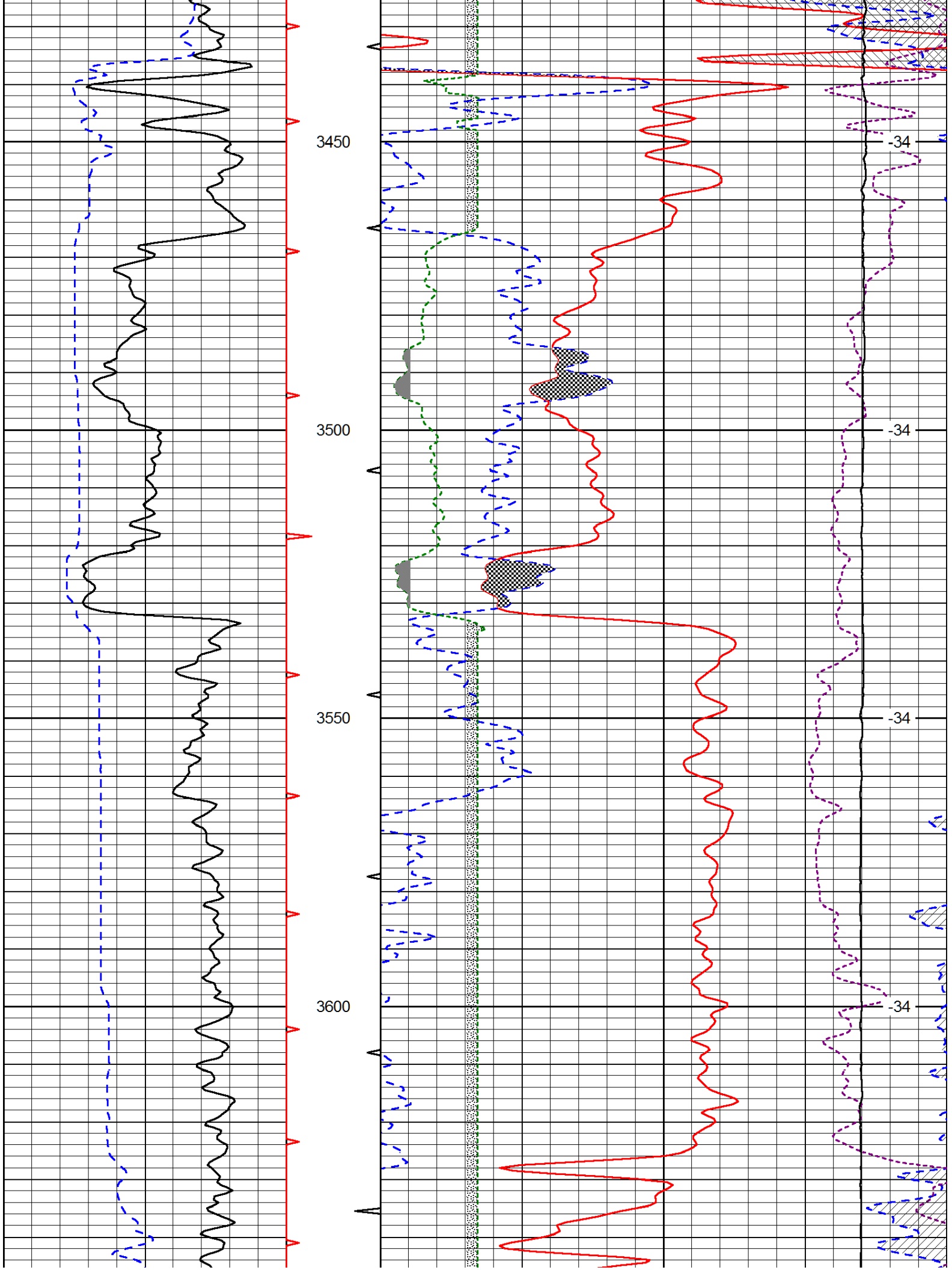
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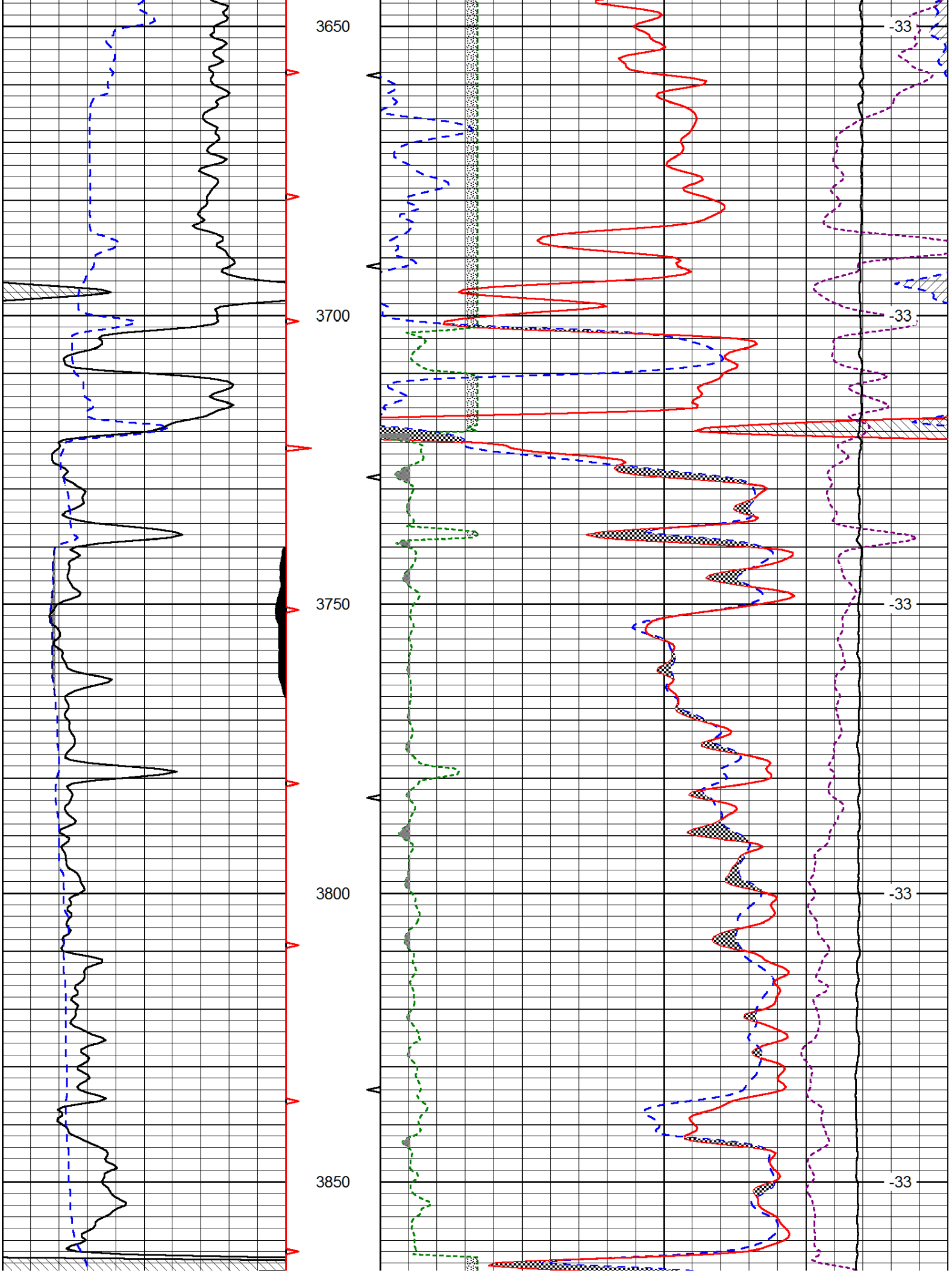
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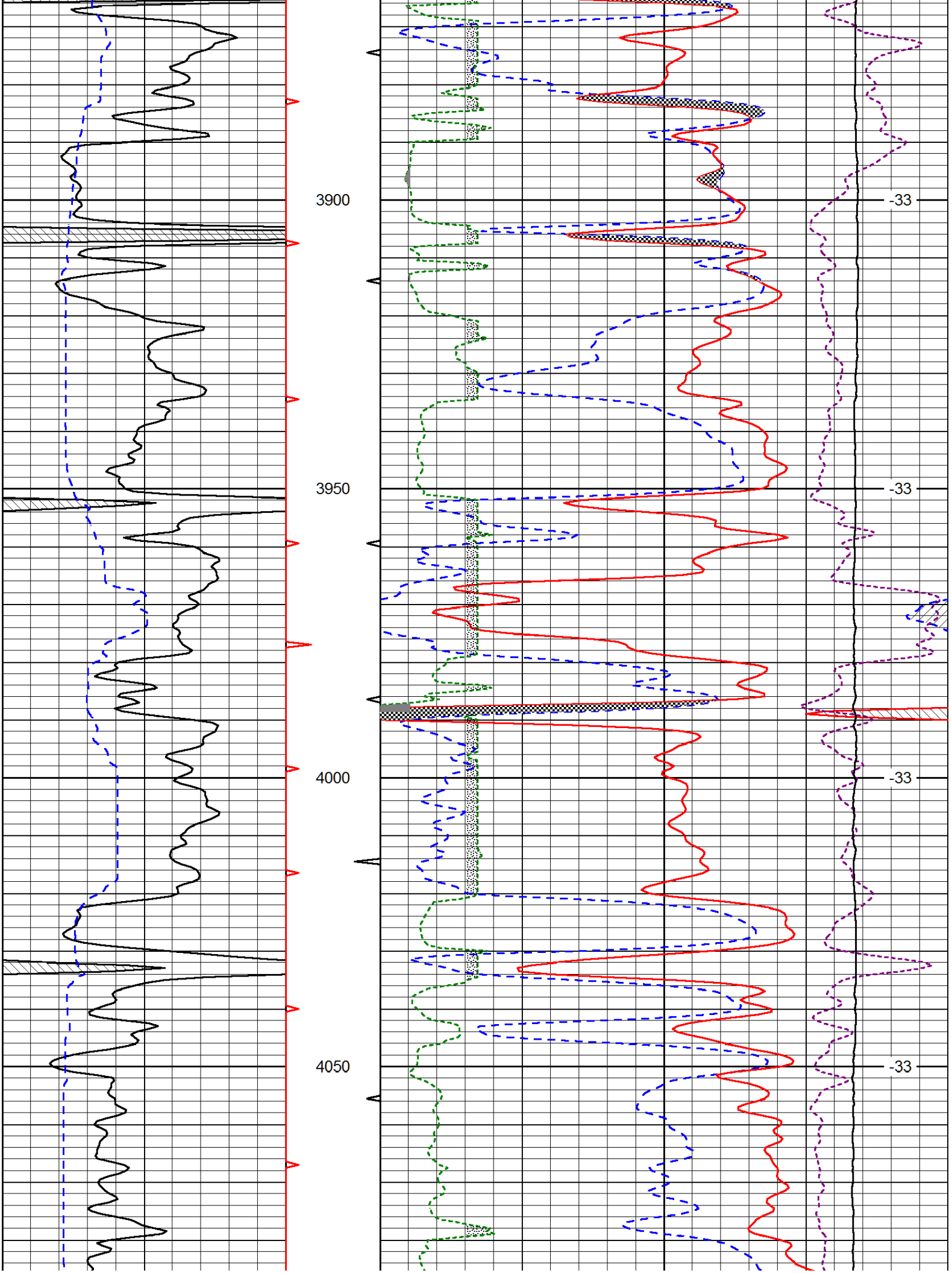
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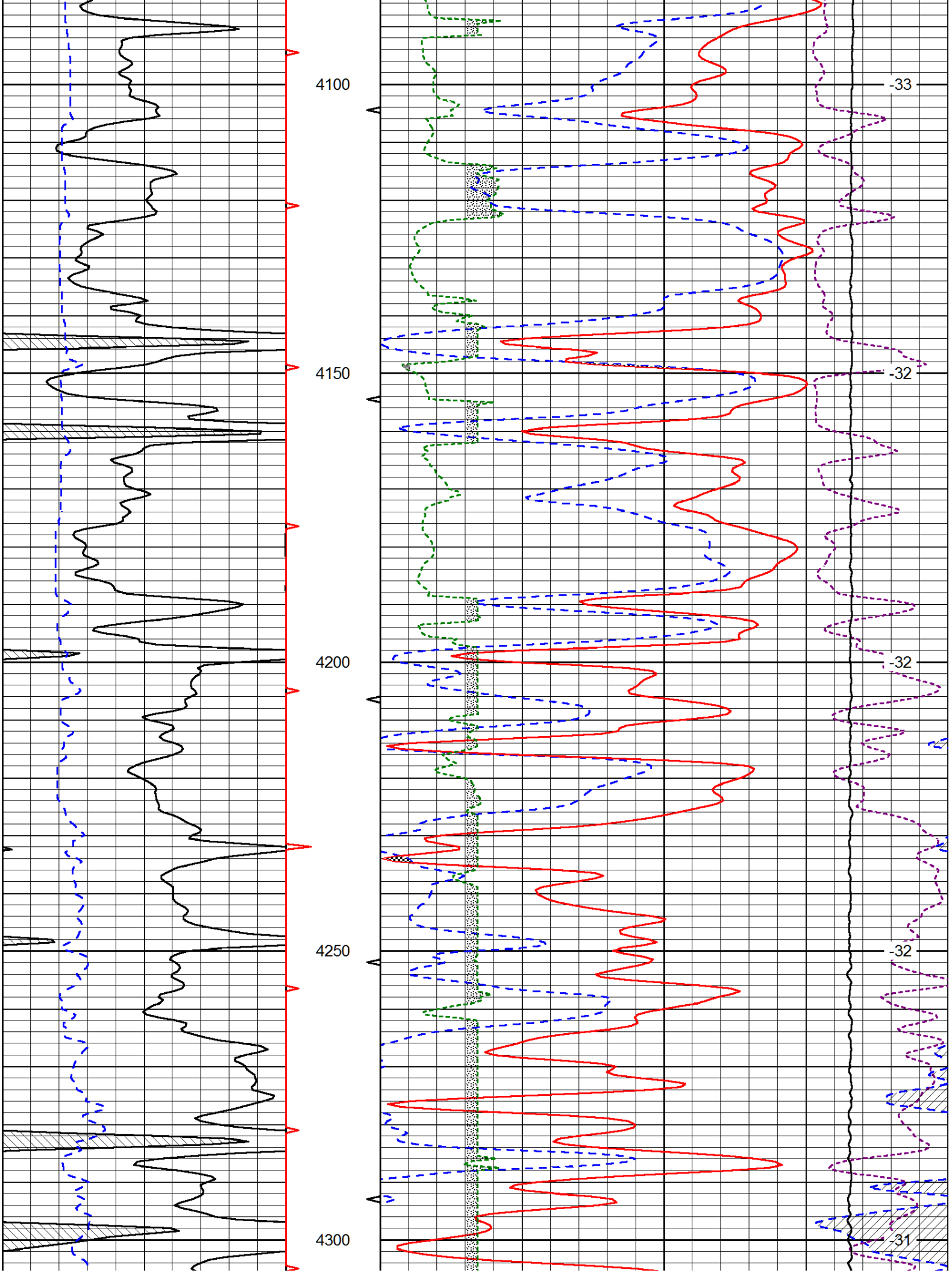
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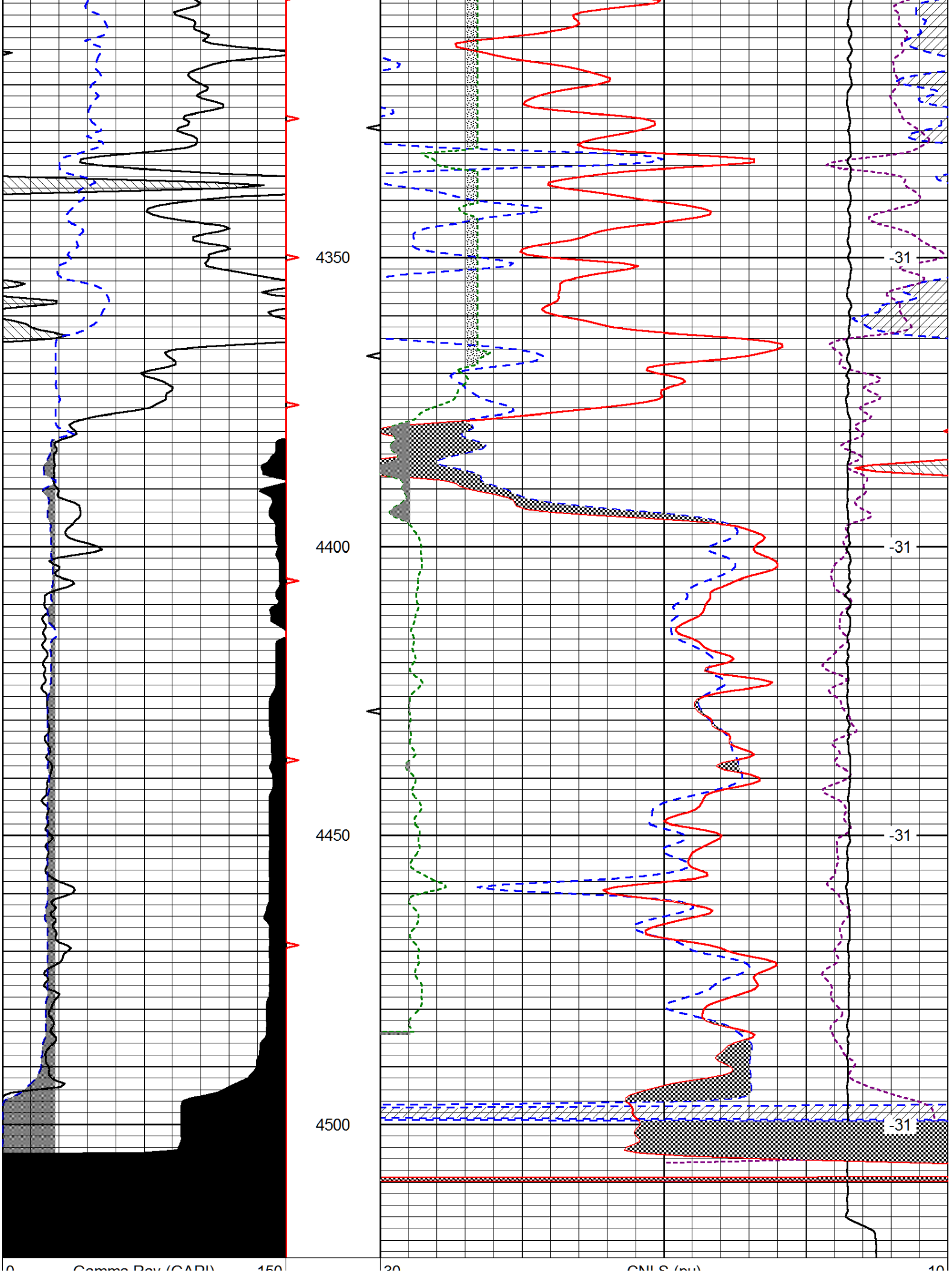
-31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4400
4450
4500
-31
-31
-31
-31
0
Gamma Ray (GAPI)
150
30
CNLS (pu)
-10

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0

LSPD
(ft/min)

PIONEER

Pioneer Energy Services

Dual Induction Log

API No. 15-077-21,953-00-00

Company White Pine Petroleum Corporation

Well Pauline Salser No. 2-6

Field Freeport

County Harper State Kansas

Location 1,650' FNL & 990' FEL

Sec: 6 Twp: 33S Rge: 5W

Other Services: CNL/CDL

Elevation: K.B. 1345, D.F., G.L. 1335

Permanent Datum	Ground Level	Elevation 1335				
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum				
Drilling Measured From	Kelly Bushing					
Date	8/2/2013					
Run Number	One					
Depth Driller	4520					
Depth Logger	4518					
Bottom Logged Interval	4517					
Top Log Interval	300					
Casing Driller	8.625 @ 313					
Casing Logger	309					
Bit Size	7.875					
Type Fluid in Hole	Chemical					
Salinity,ppm CL	7000					
Density / Viscosity	8.9 75					
pH / Fluid Loss	9.0 11.0					
Source of Sample	Flowline					
Rm @ Meas. Temp	.30 @ 82					
Rmf @ Meas. Temp	.23 @ 82					
Rmc @ Meas. Temp	.41 @ 82					
Source of Rmf / Rmc	Charts					
Rm @ BHT	.20 @ 121					
Operating Rig Time	2 1/2 Hours					
Max. Rec. Temp. F	121					
Equipment Number	108					
Location	Hays					
Recorded By	J. Long					
Witnessed By	Pat Deenihan					

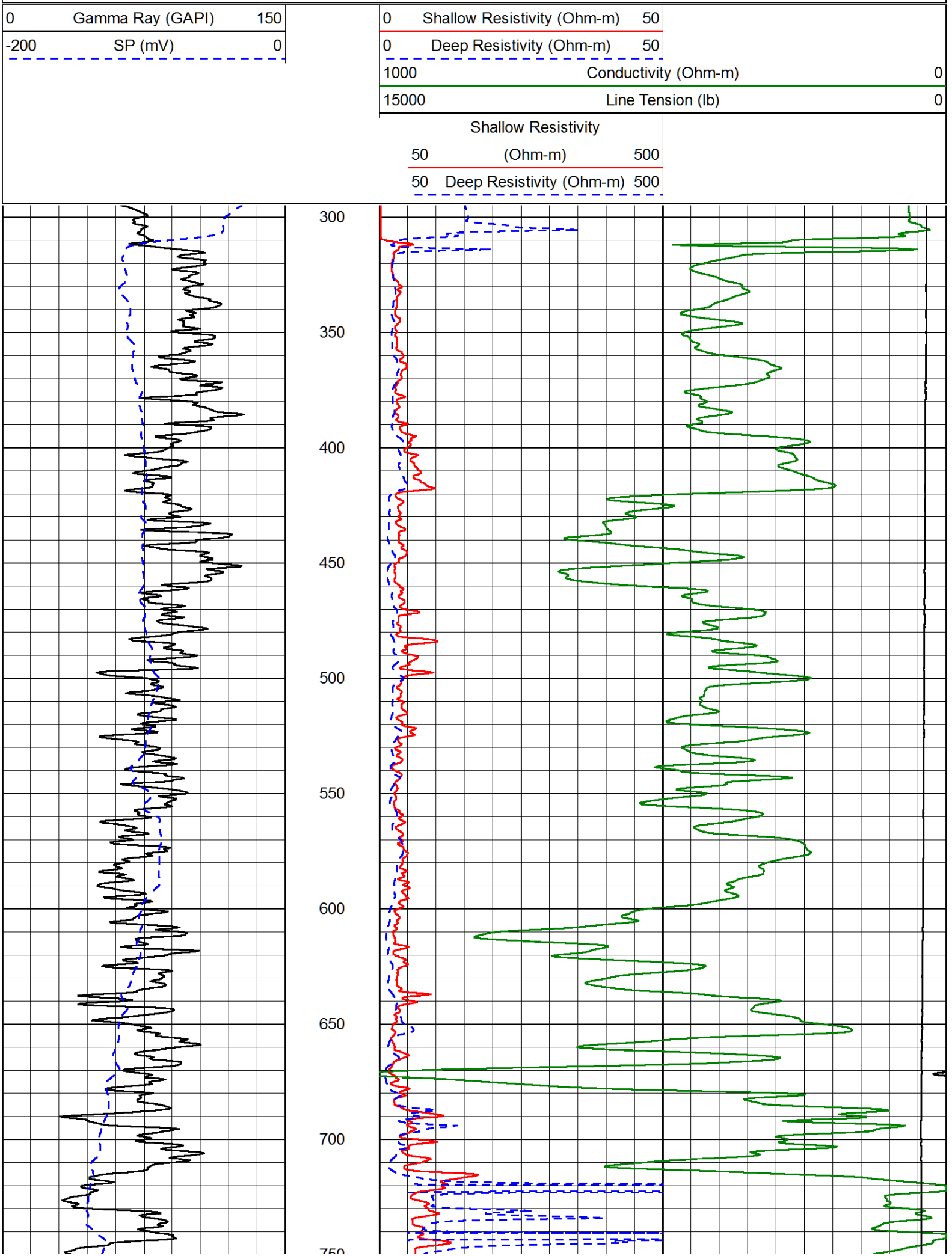
<<< Fold Here >>>

Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Danville, 5 1/4 South, West Into

Database File:	whitepine_paulinesaulser_2-6hd.db
Dataset Pathname:	dil/whitestck2
Presentation Format:	dil2in
Dataset Creation:	Sat Aug 03 01:42:13 2013
Charted by:	Depth in Feet scaled 1:600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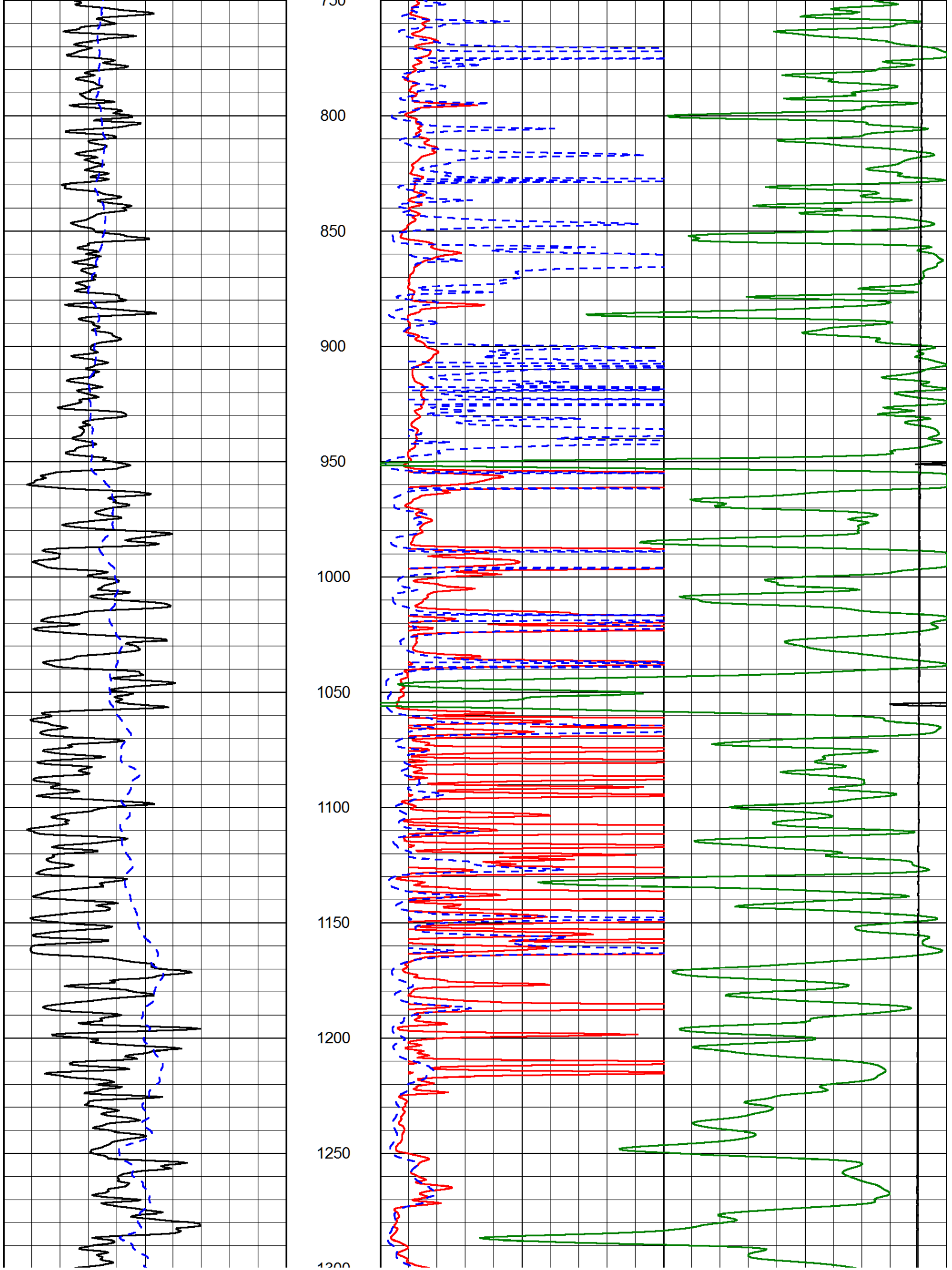
-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500
300
350
400
450
500
550
600
650
700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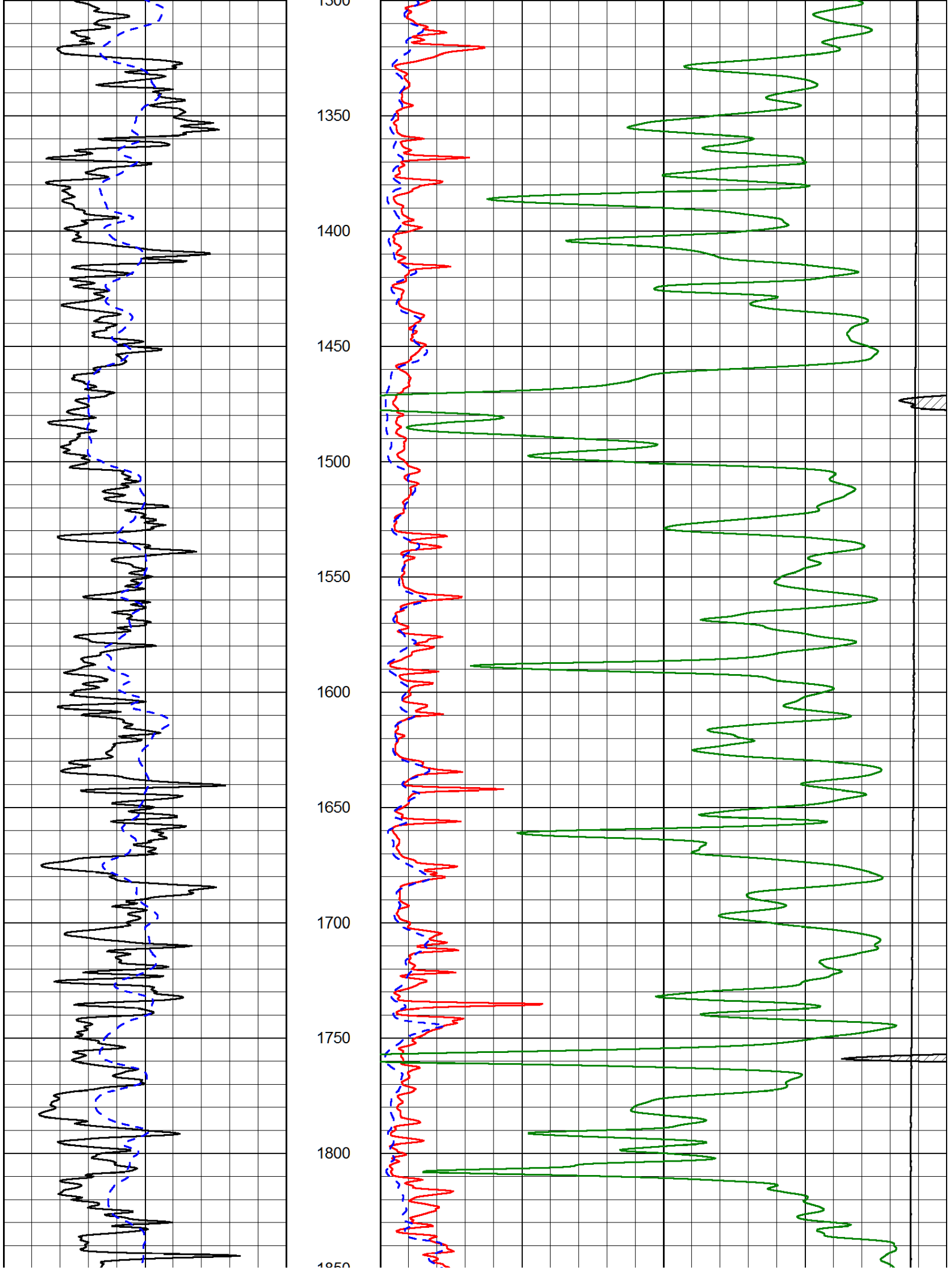
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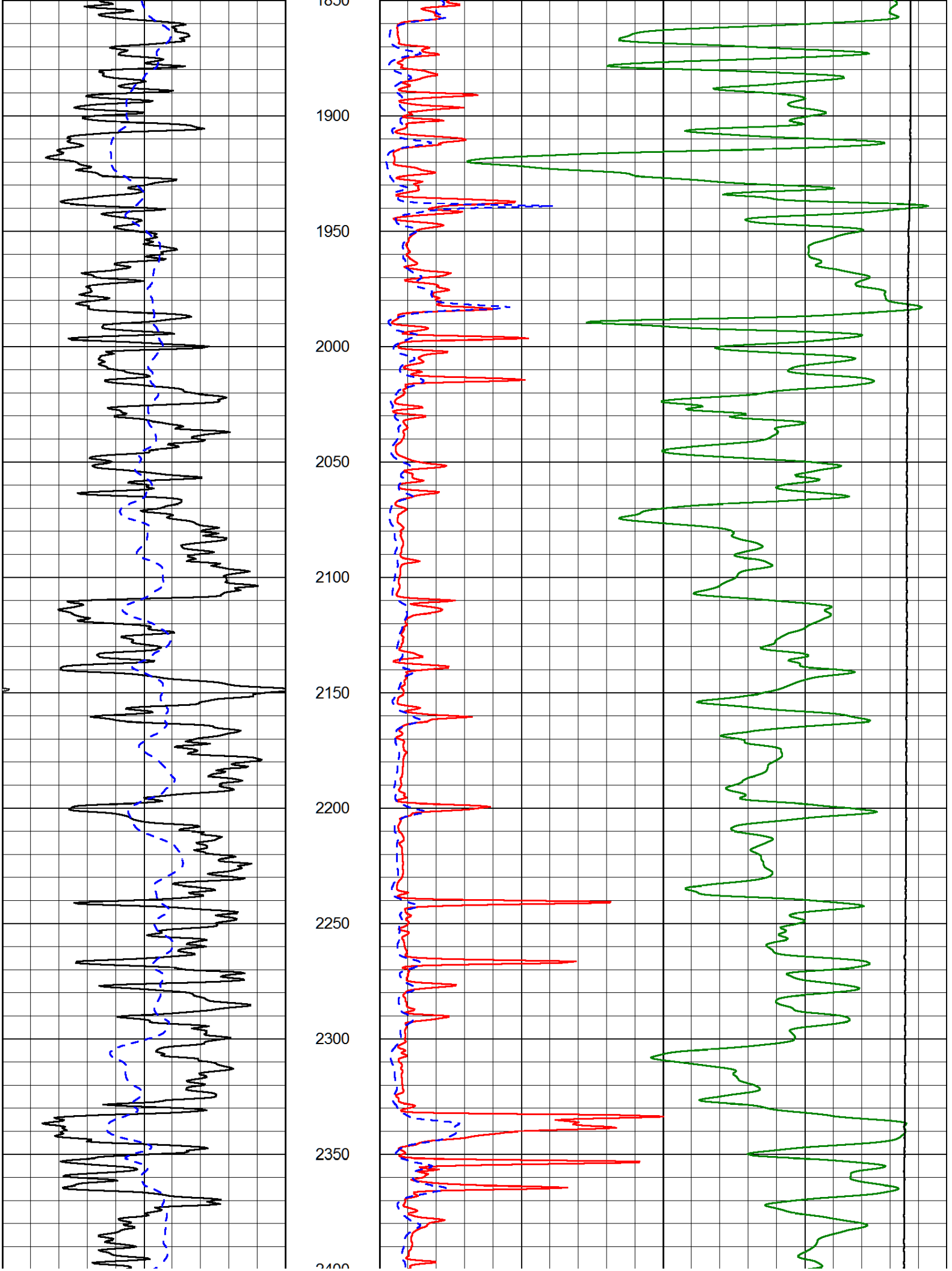
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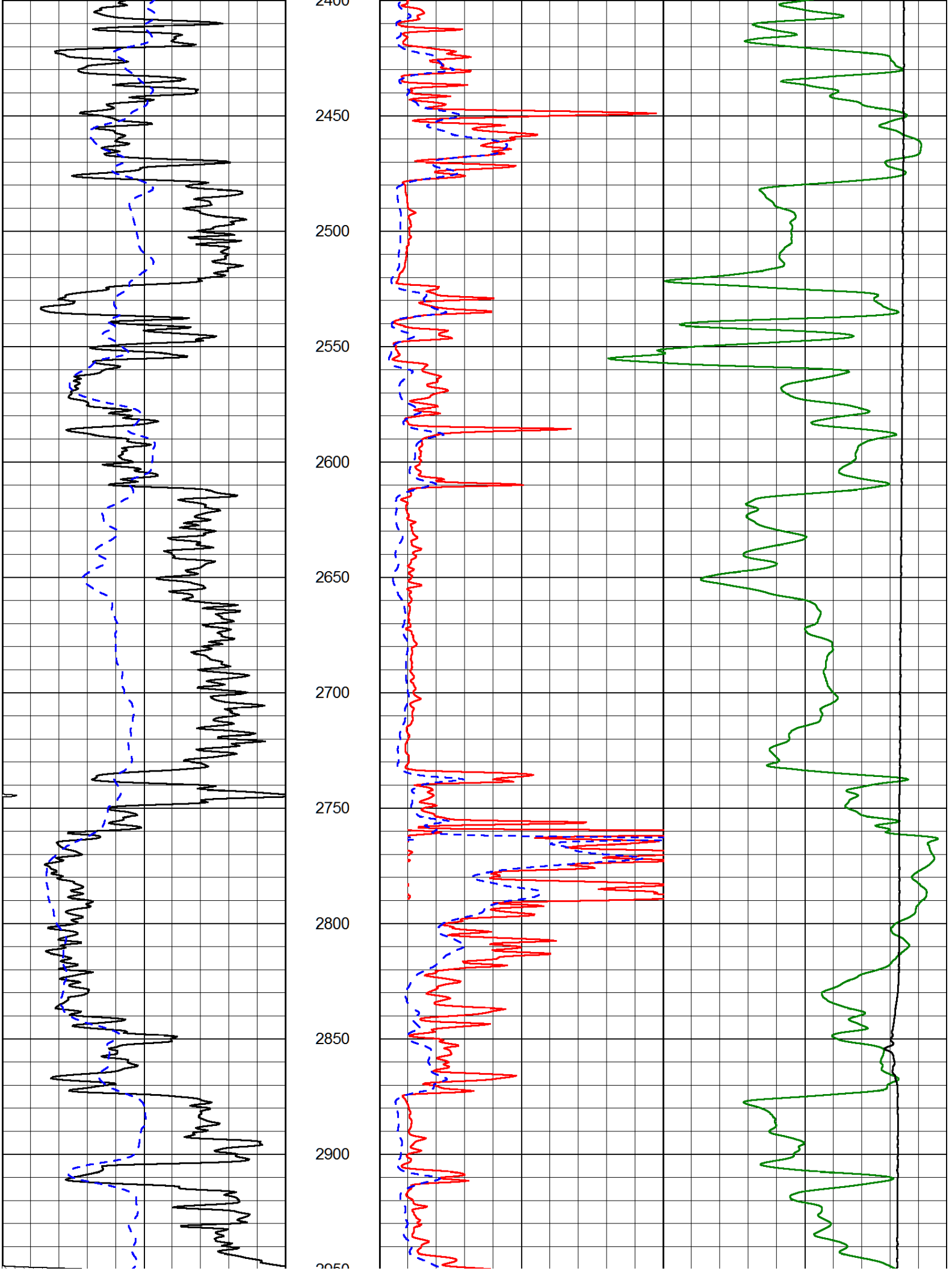
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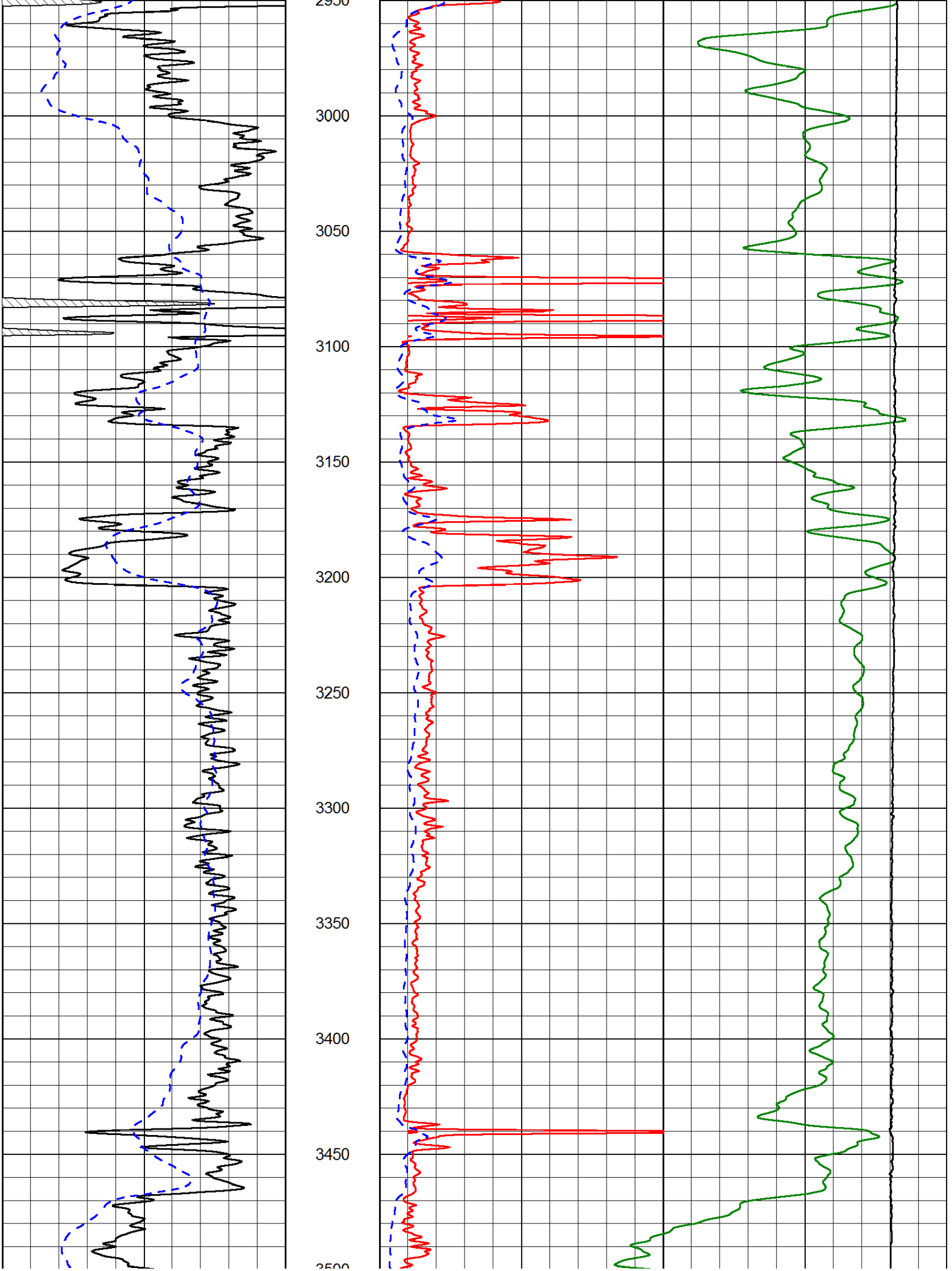
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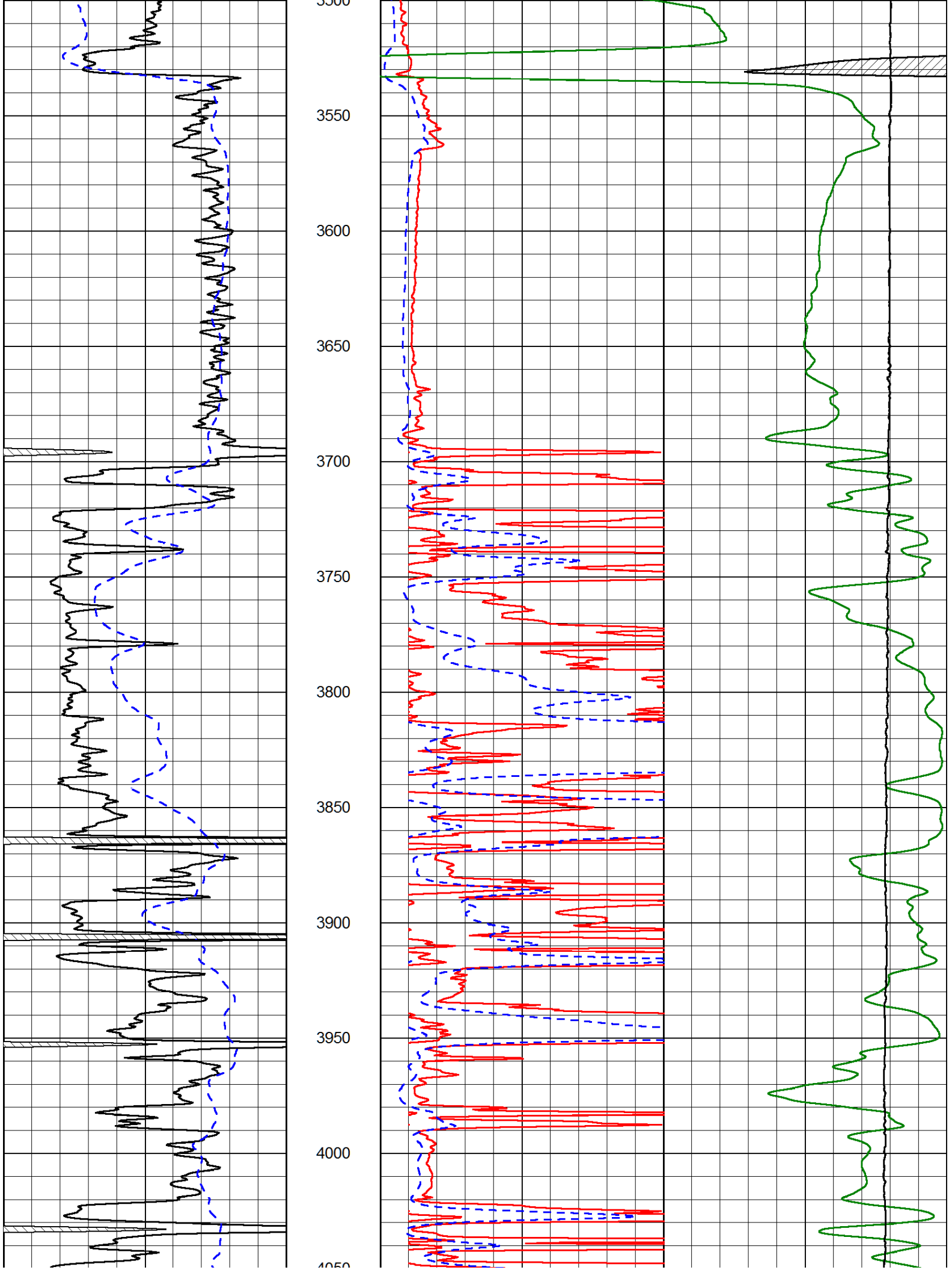
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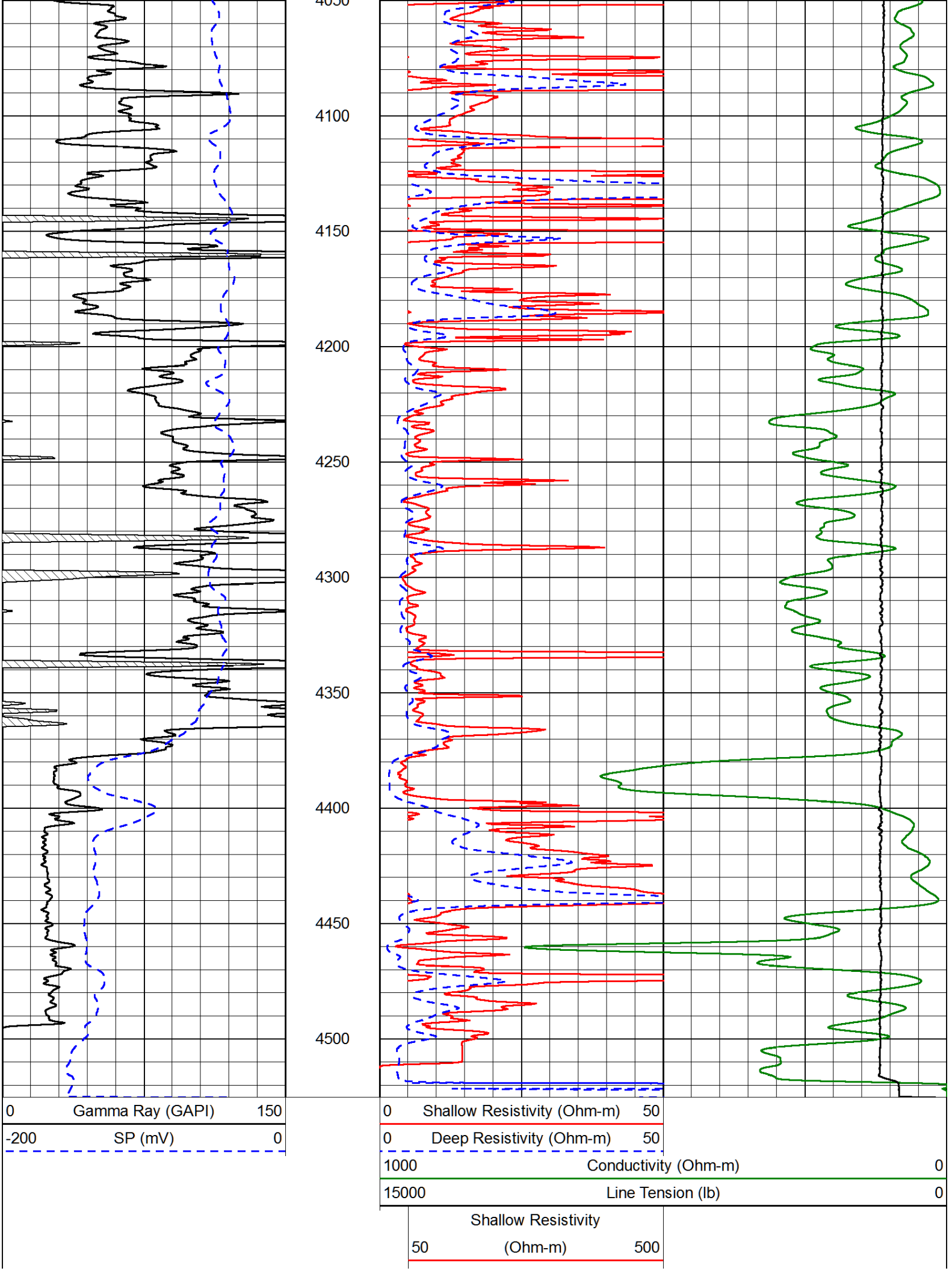

4050
4100
4150
4200
4250
4300
4350
4400
4450
4500
0 Gamma Ray (GAPI) 150
-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500

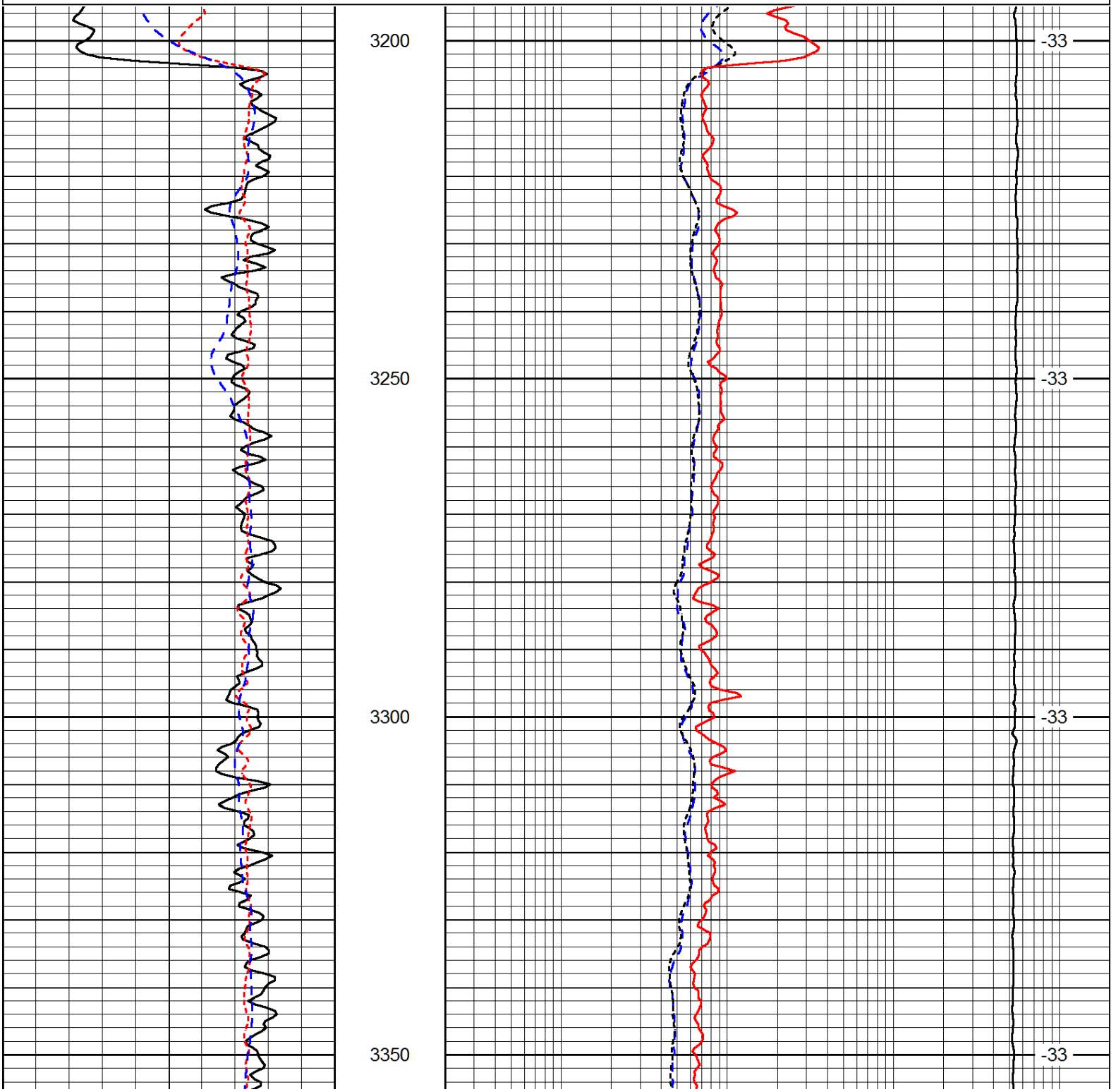
50 Deep Resistivity (Ohm-m) 500

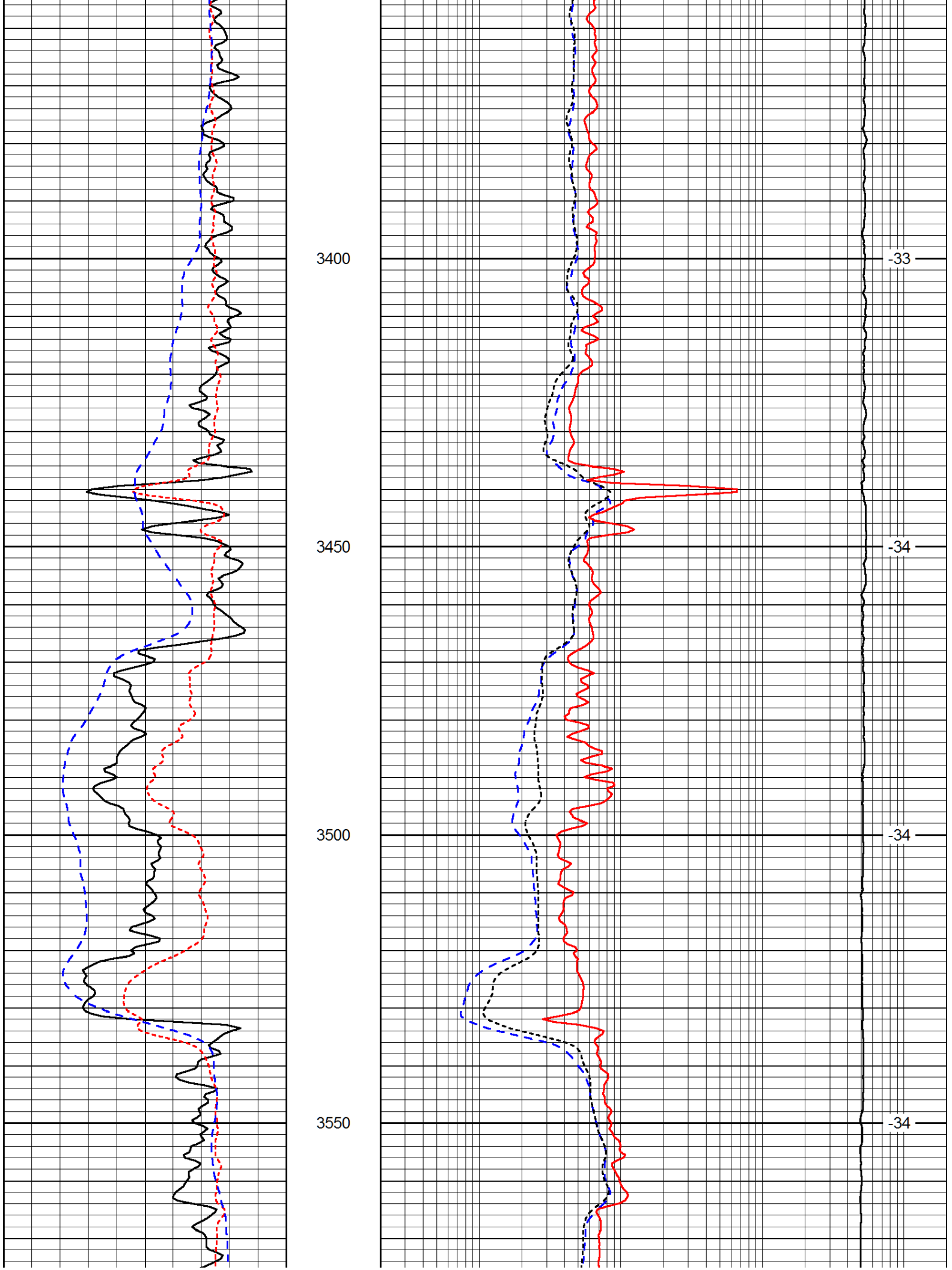
Database File:	whitepine_paulinesaulser_2-6hd.db
Dataset Pathname:	dil/whitestck2
Presentation Format:	dil
Dataset Creation:	Sat Aug 03 01:42:13 2013
Charted by:	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD (ft/min)

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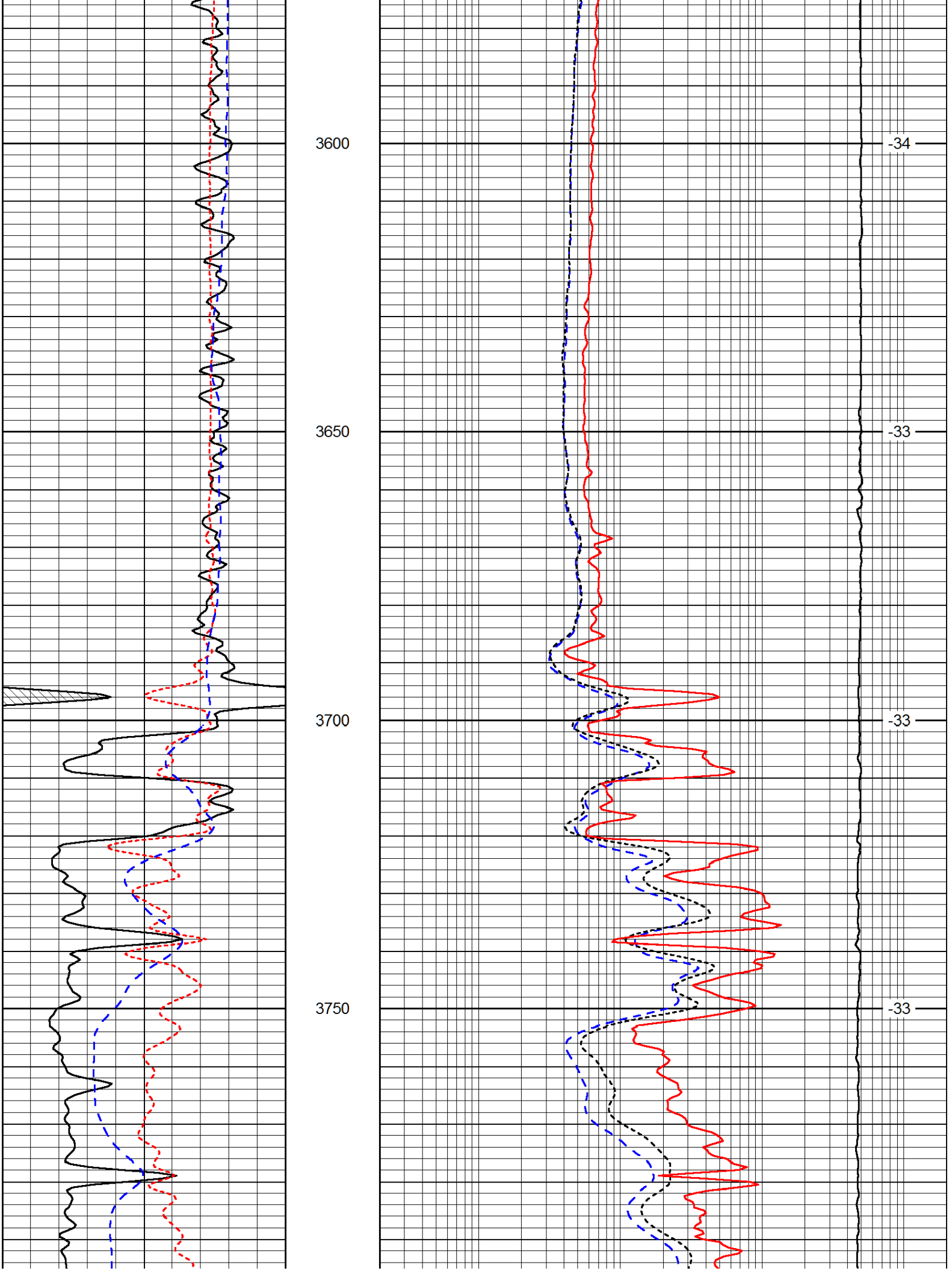
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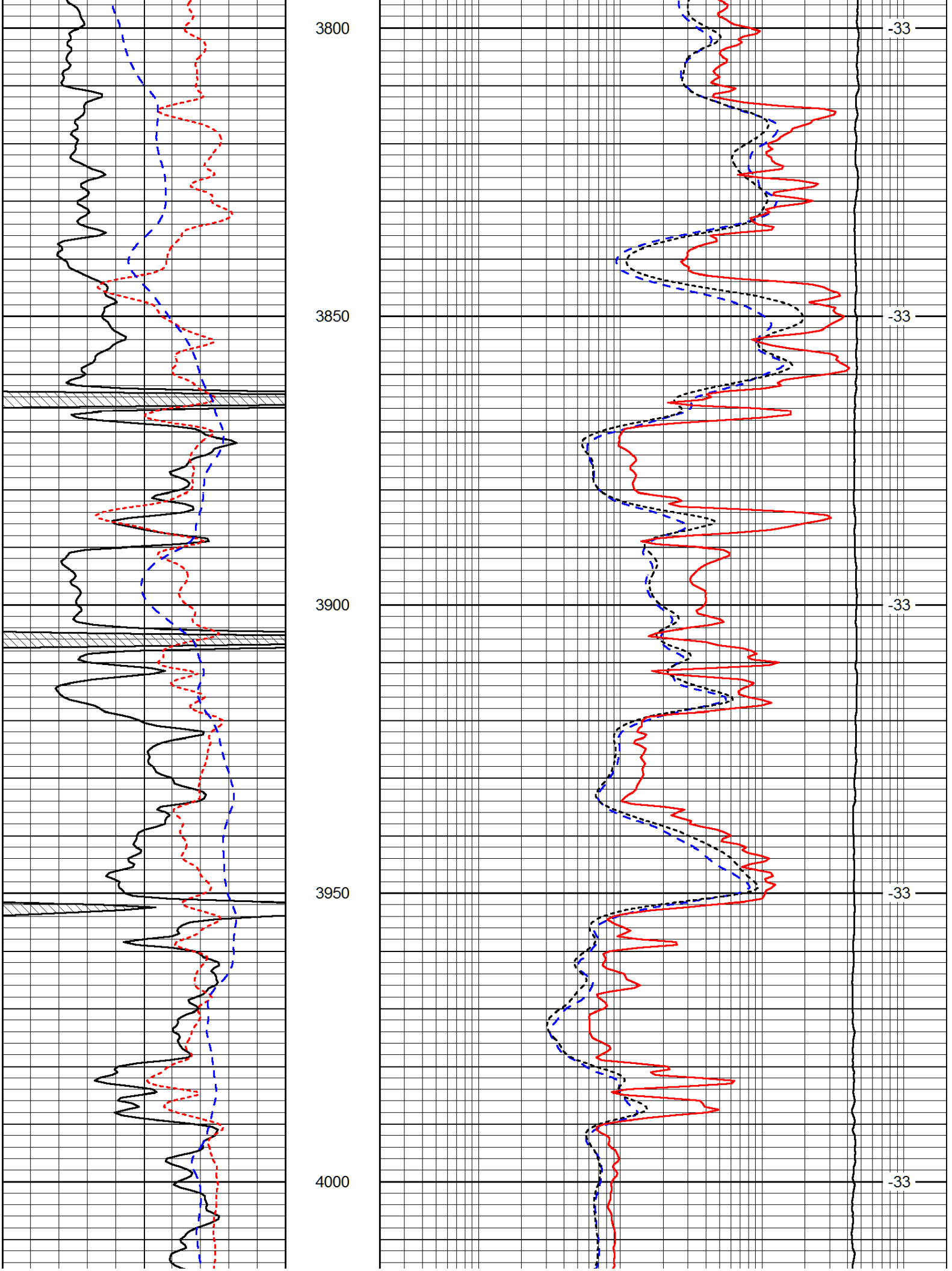
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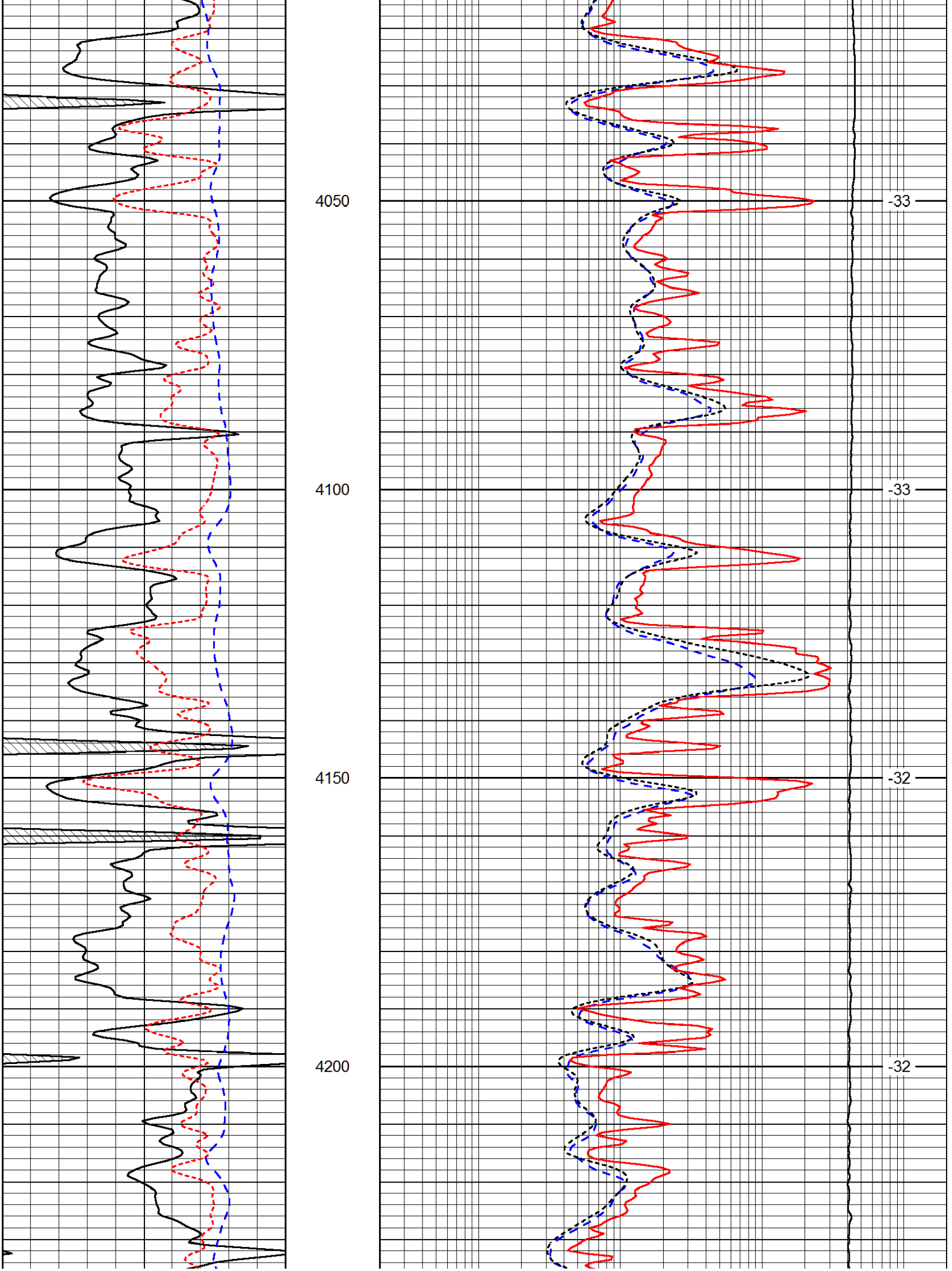
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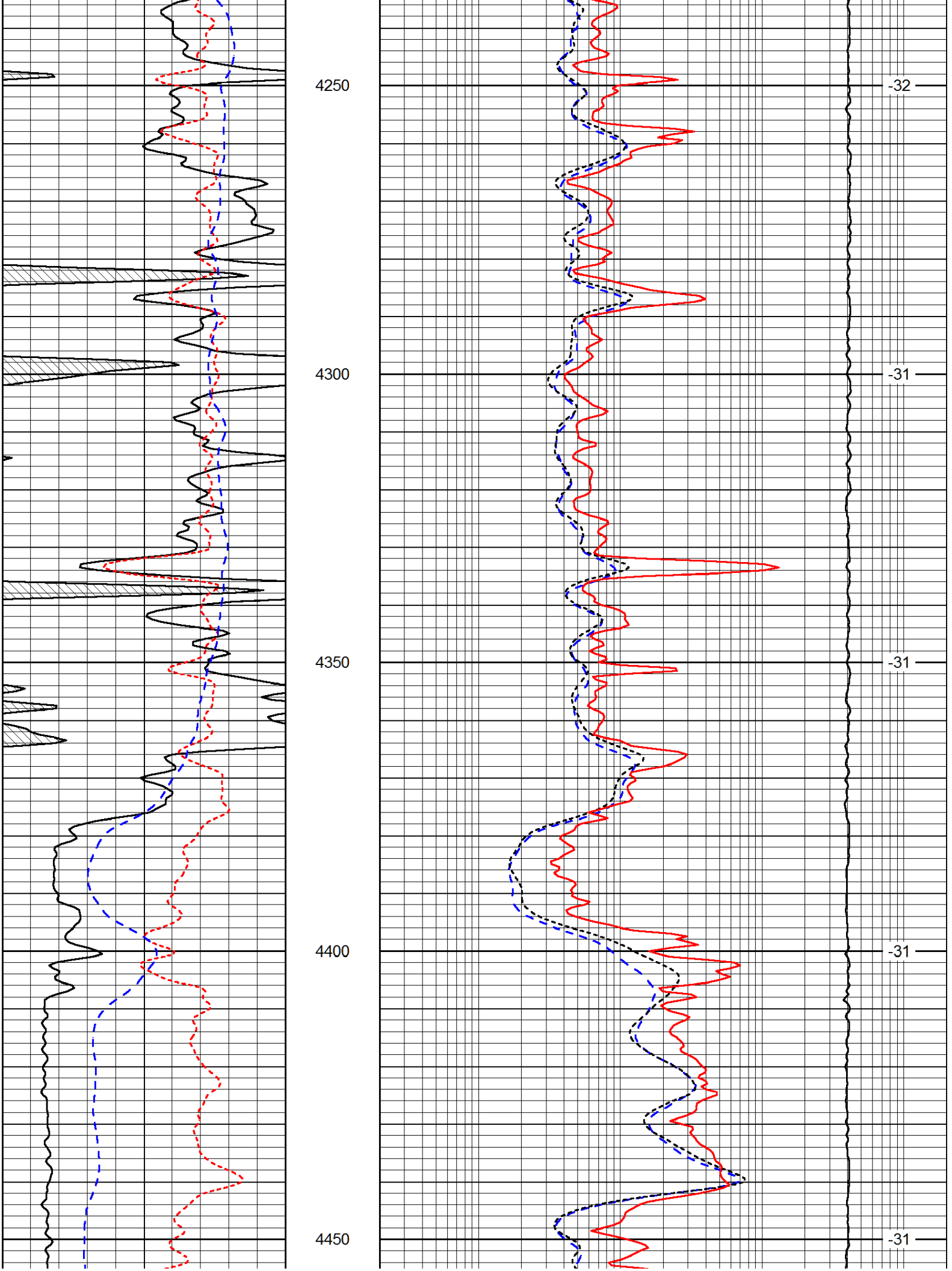
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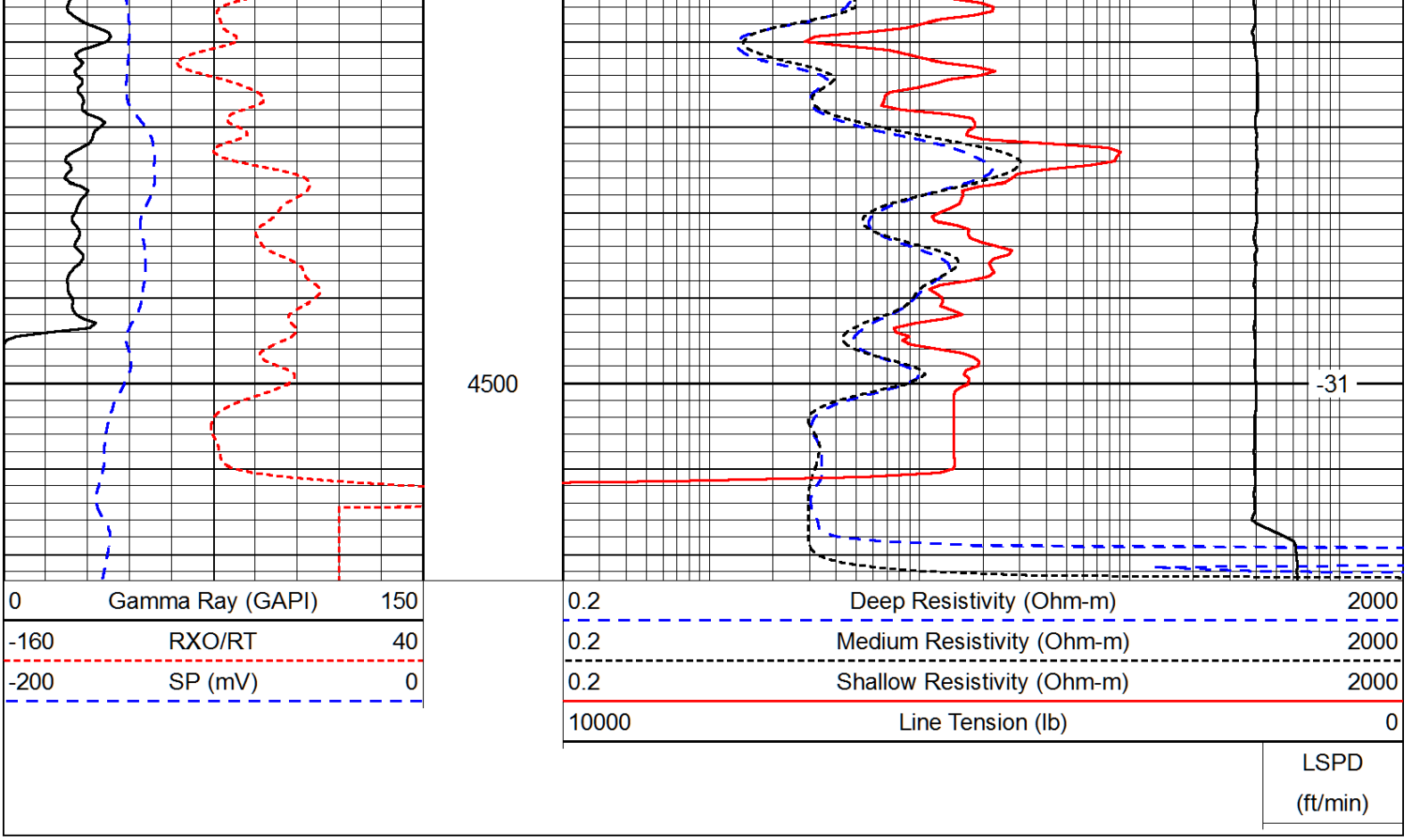
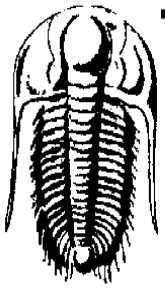


0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **White Pine Petroleum Corp.**

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

Pauline Salser #2-6

6-33s-5w Harper,KS

Start Date: 2013.07.29 @ 09:33:26
End Date: 2013.07.29 @ 17:08:41
Job Ticket #: 52288 DST #: 1

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.05 @ 09:53:31

DRILL STEM TEST REPORT

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52288 **DST#: 1**

Test Start: 2013.07.29 @ 09:33:26

GENERAL INFORMATION:

Formation: **LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:13:56
Time Test Ended: 17:08:41

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 3708.00 ft (KB) To 3725.00 ft (KB) (TVD)
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

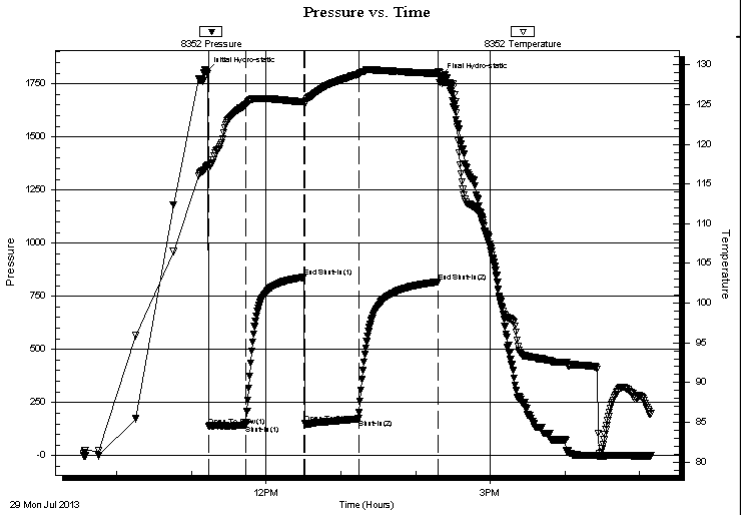
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8352 **Inside**

Press@RunDepth: 173.32 psig @ 3709.00 ft (KB)
Start Date: 2013.07.29 End Date: 2013.07.29
Start Time: 09:33:31 End Time: 17:08:40

Capacity: 8000.00 psig
Last Calib.: 2013.07.29
Time On Btm: 2013.07.29 @ 11:11:56
Time Off Btm: 2013.07.29 @ 14:19:56

TEST COMMENT: IF:Strong blow . B.O.B. in 13 mins.
ISI:Weak blow . 1 - 2 1/2".
FF:Strong blow . B.O.B. in 20 secs.
FSI:Fair blow . 3 - 6".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1805.69	117.16	Initial Hydro-static
2	139.57	117.00	Open To Flow (1)
32	144.75	124.99	Shut-In(1)
79	839.77	125.33	End Shut-In(1)
79	150.84	125.08	Open To Flow (2)
123	173.32	128.84	Shut-In(2)
186	817.56	128.93	End Shut-In(2)
188	1781.19	128.30	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GW&MCO 42%g 12%w 12%m 24%o	0.59
230.00	GOCM 58%g 7%o 35%m	3.23
150.00	SGCM 4%g 96%m	2.10
0.00	2550 ft.of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52288 **DST#: 1**

Test Start: 2013.07.29 @ 09:33:26

GENERAL INFORMATION:

Formation: **LKC B**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 11:13:56
Time Test Ended: 17:08:41

Test Type: Conventional Bottom Hole (Initial)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 3708.00 ft (KB) To 3725.00 ft (KB) (TVD)
Total Depth: 3725.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

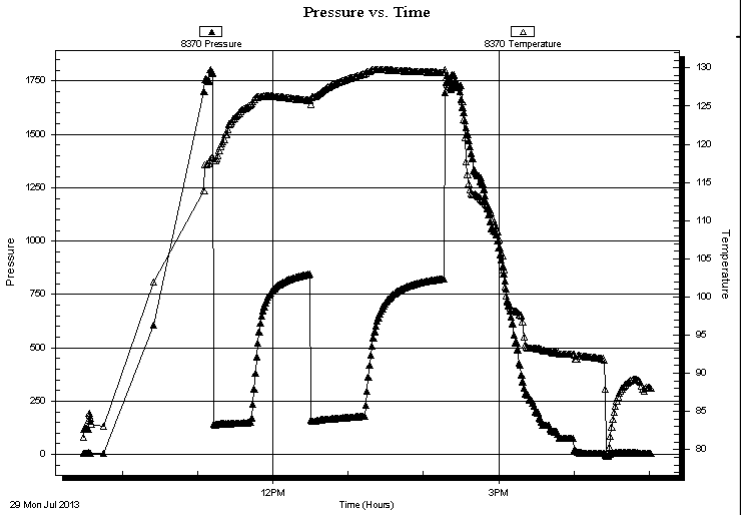
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8370 **Outside**

Press@RunDepth: psig @ 3709.00 ft (KB)
Start Date: 2013.07.29 End Date: 2013.07.29
Start Time: 09:29:13 End Time: 17:01:52

Capacity: 8000.00 psig
Last Calib.: 2013.07.29
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Strong blow . B.O.B. in 13 mins.
ISI:Weak blow . 1 - 2 1/2".
FF:Strong blow . B.O.B. in 20 secs.
FSI:Fair blow . 3 - 6".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
120.00	GW&MCO 42%g 12%w 12%m 24%o	0.59
230.00	GOCM 58%g 7%o 35%m	3.23
150.00	SGCM 4%g 96%m	2.10
0.00	2550 ft.of GIP	0.00

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52288 **DST#: 1**

Test Start: 2013.07.29 @ 09:33:26

Tool Information

Drill Pipe:	Length:	3579.00 ft	Diameter:	3.80 inches	Volume:	50.20 bbl	Tool Weight:		2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		24000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		83000.00 lb
					Total Volume:	50.79 bbl	Tool Chased		2.00 ft
Drill Pipe Above KB:		19.00 ft					String Weight:	Initial	62000.00 lb
Depth to Top Packer:		3708.00 ft						Final	65000.00 lb
Depth to Bottom Packer:		ft							
Interval betw een Packers:		18.00 ft							
Tool Length:		46.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			3681.00		
Shut in tool	5.00			3686.00		
HMV	5.00			3691.00		
Jars	5.00			3696.00		
Safety Joint	3.00			3699.00		
Packer	4.00			3703.00	28.00	Bottom Of Top Packer
Packer	5.00			3708.00		
Stubb	1.00			3709.00		
Recorder	0.00	8352	Inside	3709.00		
Recorder	0.00	8370	Outside	3709.00		
Perforations	12.00			3721.00		
Bullnose	5.00			3726.00	18.00	Bottom Packers & Anchor
Total Tool Length:	**46.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52288 **DST#: 1**

Test Start: 2013.07.29 @ 09:33:26

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	4000 ppm
Viscosity:	56.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.76 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	5000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
120.00	GW&MCO 42%g 12%w 12%m 24%o	0.590
230.00	GOCM 58%g 7%o 35%m	3.226
150.00	SGCM 4%g 96%m	2.104
0.00	2550 ft.of GIP	0.000

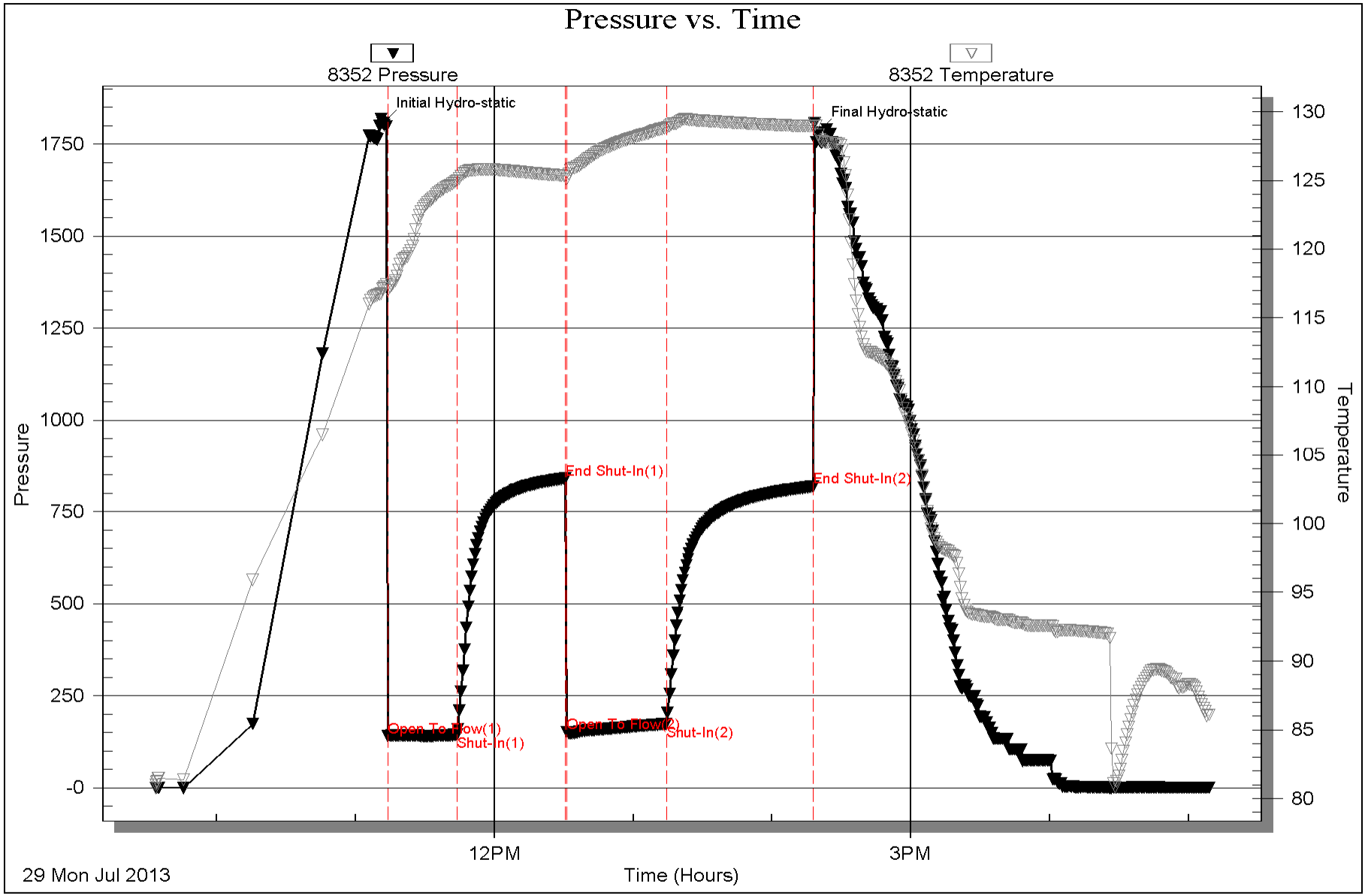
Total Length: 500.00 ft Total Volume: 5.920 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

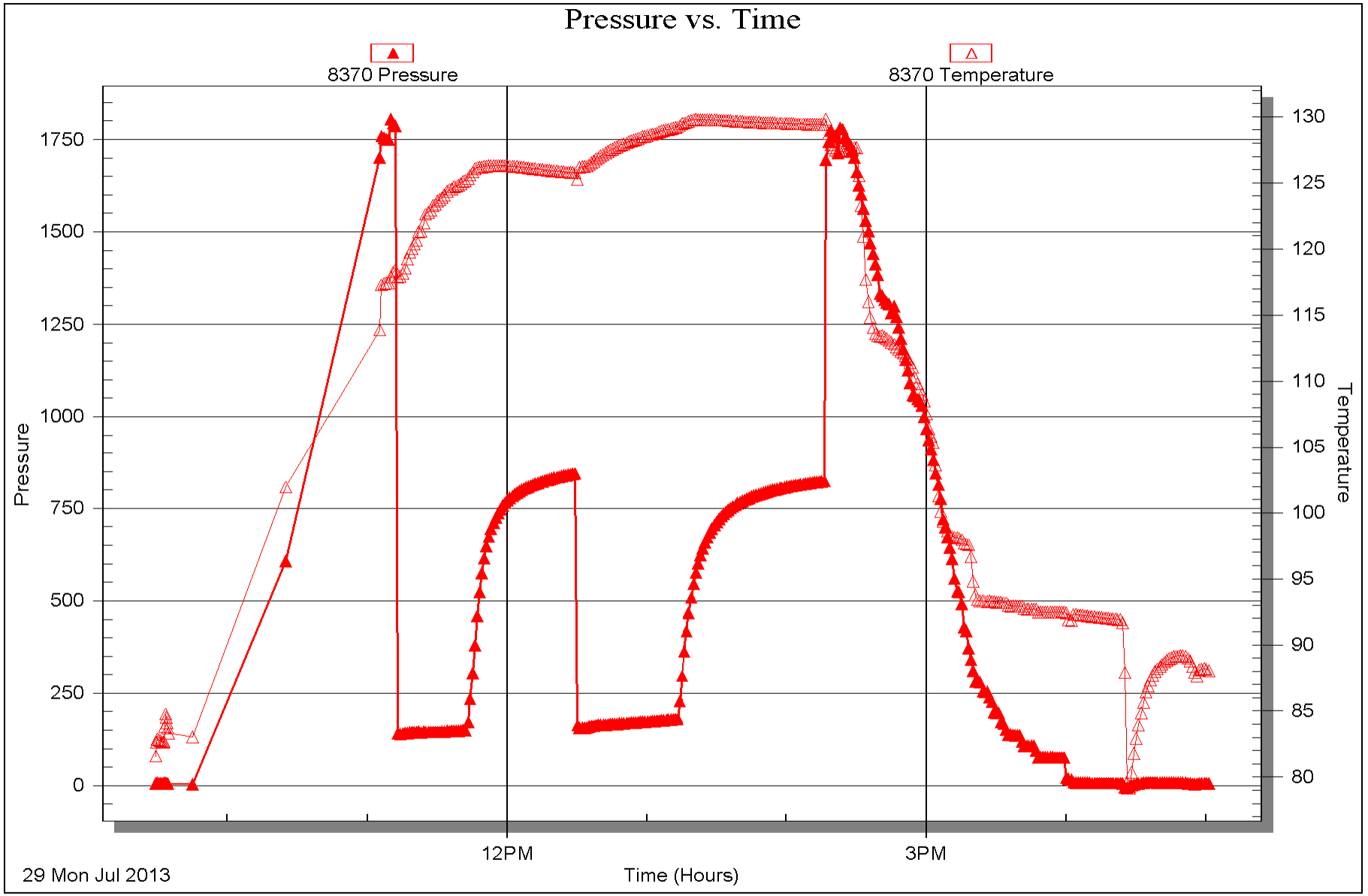
Recovery Comments:

Serial #: 8352 **Inside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 1



Trilobite Testing, Inc Ref. No: 52288 Printed: 2013.08.05 @ 09:53:34

Serial #: 8370 **Outside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 1



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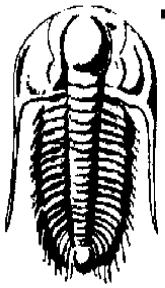


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **White Pine Petroleum Corp.**

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

Pauline Salser #2-6

6-33s-5w Harper,KS

Start Date: 2013.08.01 @ 06:41:46
End Date: 2013.08.01 @ 14:32:16
Job Ticket #: 52289 DST #: 2

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.05 @ 09:52:43

DRILL STEM TEST REPORT

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52289 **DST#: 2**

Test Start: 2013.08.01 @ 06:41:46

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:38:46
Time Test Ended: 14:32:16

Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4372.00 ft (KB) To 4381.00 ft (KB) (TVD)
Total Depth: 4381.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

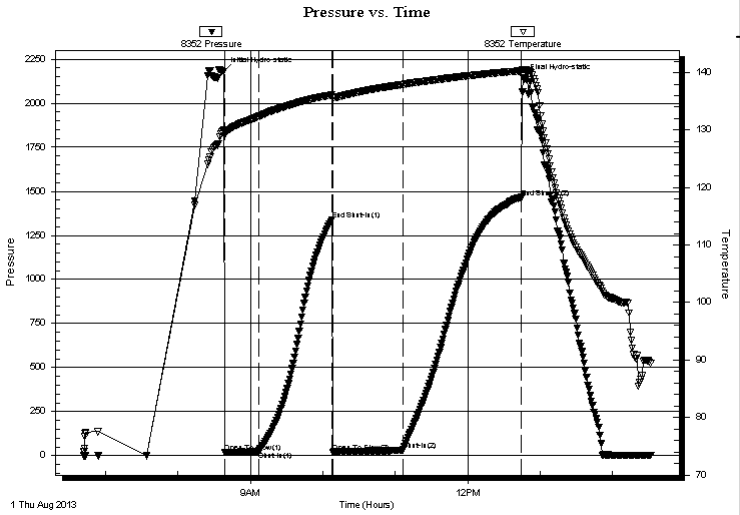
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8352 **Inside**

Press@RunDepth: 29.31 psig @ 4373.00 ft (KB)
Start Date: 2013.08.01 End Date: 2013.08.01
Start Time: 06:41:51 End Time: 14:32:15

Capacity: 8000.00 psig
Last Calib.: 2013.08.01
Time On Btm: 2013.08.01 @ 08:37:46
Time Off Btm: 2013.08.01 @ 12:46:01

TEST COMMENT: IF:Weak blow . Slow increase to 4".
ISI:No blow .
FF:Strong blow . B.O.B. in 12 mins.
FSI:Weak blow . 1 - 2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2177.94	129.99	Initial Hydro-static
1	16.51	129.61	Open To Flow (1)
29	21.68	132.33	Shut-In(1)
90	1338.83	136.13	End Shut-In(1)
91	19.38	135.70	Open To Flow (2)
149	29.31	137.92	Shut-In(2)
247	1465.43	140.30	End Shut-In(2)
249	2142.37	140.55	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCGM 2%o 13%g 85%m	0.25
0.00	700 ft.of GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52289 **DST#: 2**

Test Start: 2013.08.01 @ 06:41:46

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 08:38:46
Time Test Ended: 14:32:16

Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4372.00 ft (KB) To 4381.00 ft (KB) (TVD)
Total Depth: 4381.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

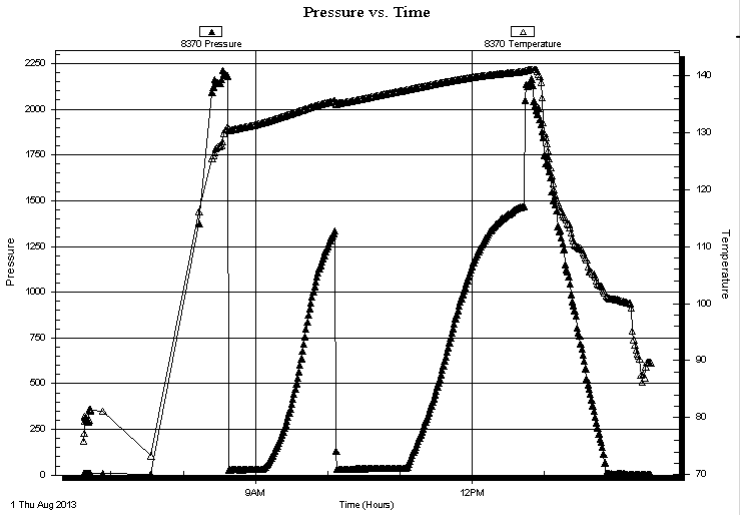
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8370 **Outside**

Press@RunDepth: psig @ 4373.00 ft (KB)
Start Date: 2013.08.01 End Date: 2013.08.01
Start Time: 06:37:20 End Time: 14:27:59

Capacity: 8000.00 psig
Last Calib.: 2013.08.01
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Weak blow . Slow increase to 4".
ISI:No blow .
FF:Strong blow . B.O.B. in 12 mins.
FSI:Weak blow . 1 - 2".



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
50.00	SOCGM 2%o 13%g 85%m	0.25
0.00	700 ft.of GIP	0.00

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52289 **DST#: 2**

Test Start: 2013.08.01 @ 06:41:46

Tool Information

Drill Pipe:	Length:	4235.00 ft	Diameter:	3.80 inches	Volume:	59.41 bbl	Tool Weight:		2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		24000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		79000.00 lb
					Total Volume:	60.00 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		3.00 ft					String Weight:	Initial	67000.00 lb
Depth to Top Packer:		4372.00 ft						Final	68000.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		9.00 ft							
Tool Length:		29.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4353.00		
Shut in tool	5.00			4358.00		
HMV	5.00			4363.00		
Packer	4.00			4367.00	20.00	Bottom Of Top Packer
Packer	5.00			4372.00		
Stubb	1.00			4373.00		
Recorder	0.00	8352	Inside	4373.00		
Recorder	0.00	8370	Outside	4373.00		
Perforations	3.00			4376.00		
Bullnose	5.00			4381.00	9.00	Bottom Packers & Anchor
Total Tool Length:	**29.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52289 **DST#: 2**

Test Start: 2013.08.01 @ 06:41:46

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	3000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
50.00	SOCGM 2%o 13%g 85%m	0.246
0.00	700 ft.of GIP	0.000

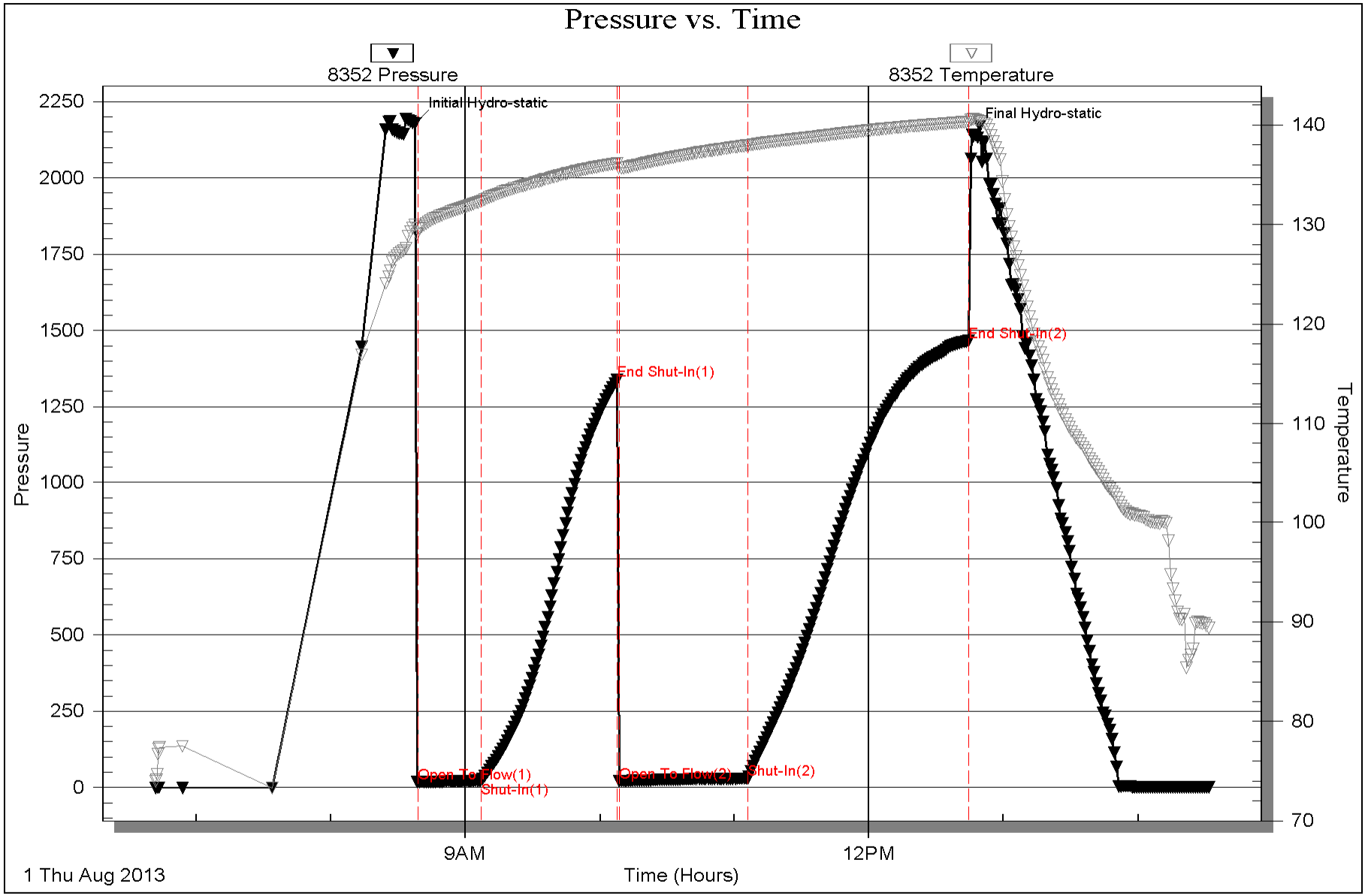
Total Length: 50.00 ft Total Volume: 0.246 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

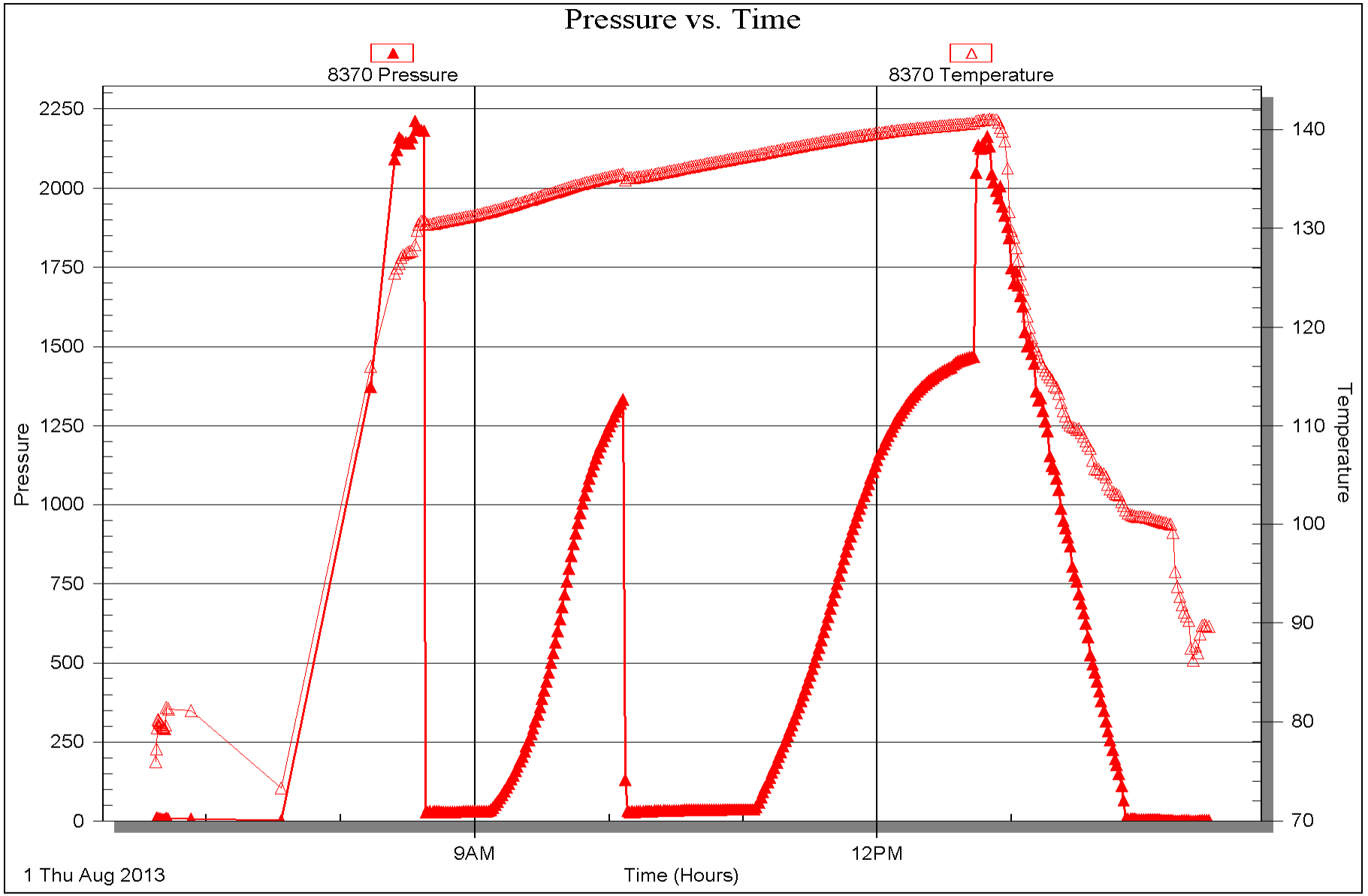
Recovery Comments:

Serial #: 8352 **Inside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 52289 Printed: 2013.08.05 @ 09:52:46

Serial #: 8370 **Outside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 2



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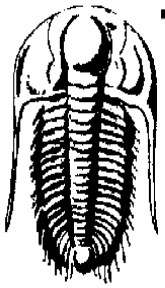


TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Prepared For: **White Pine Petroleum Corp.**

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

Pauline Salser #2-6

6-33s-5w Harper,KS

Start Date: 2013.08.01 @ 20:35:21
End Date: 2013.08.02 @ 05:49:06
Job Ticket #: 52290 DST #: 3

Trilobite Testing, Inc
PO Box 362 Hays, KS 67601
ph: 785-625-4778 fax: 785-625-5620

Printed: 2013.08.05 @ 09:51:48

DRILL STEM TEST REPORT

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52290 **DST#: 3**

Test Start: 2013.08.01 @ 20:35:21

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:28:36
Time Test Ended: 05:49:06

Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4375.00 ft (KB) To 4388.00 ft (KB) (TVD)
Total Depth: 4388.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

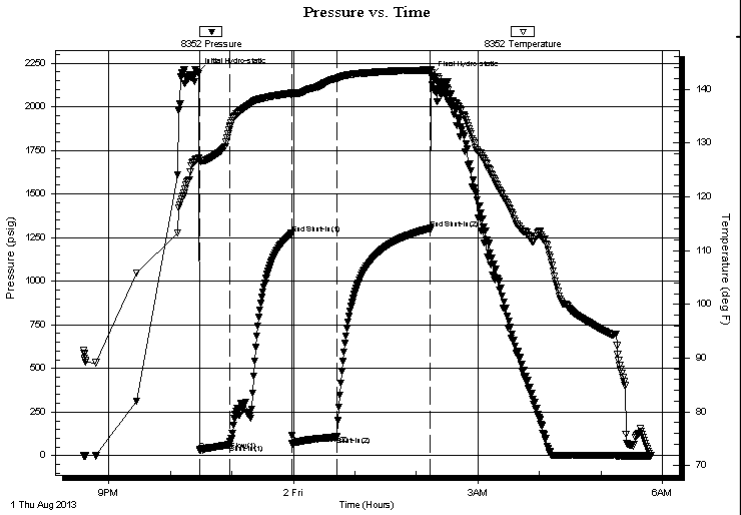
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8352 **Inside**

Press@RunDepth: 109.25 psig @ 4376.00 ft (KB)
Start Date: 2013.08.01 End Date: 2013.08.02
Start Time: 20:35:26 End Time: 05:49:06

Capacity: 8000.00 psig
Last Calib.: 2013.08.02
Time On Btm: 2013.08.01 @ 22:26:36
Time Off Btm: 2013.08.02 @ 02:14:36

TEST COMMENT: IF:Strong blow . B.O.B. in 35 secs.
ISI:Strong blow . B.O.B.
FF:Strong blow . B.O.B. in 5 secs.
FSI:Strong blow . B.O.B. GTS 20 mins in to FSIP



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2193.97	127.11	Initial Hydro-static
2	30.74	126.62	Open To Flow (1)
32	63.80	132.95	Shut-In(1)
92	1274.08	139.29	End Shut-In(1)
92	67.47	138.93	Open To Flow (2)
136	109.25	142.00	Shut-In(2)
227	1302.57	143.56	End Shut-In(2)
228	2176.89	143.00	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MWw /o specs14%m 86%w / Rw .07@83	0.30
175.00	GOCM 22%g 28%o 50%m	1.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52290 **DST#: 3**

Test Start: 2013.08.01 @ 20:35:21

GENERAL INFORMATION:

Formation: **Miss.**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 22:28:36
Time Test Ended: 05:49:06

Test Type: Conventional Bottom Hole (Reset)
Tester: Gary Pevoteaux
Unit No: 56

Interval: 4375.00 ft (KB) To 4388.00 ft (KB) (TVD)
Total Depth: 4388.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Poor

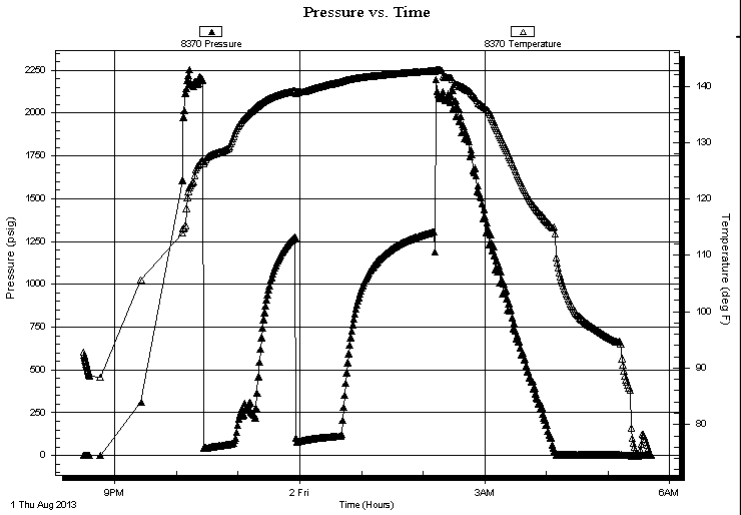
Reference Elevations: 1345.00 ft (KB)
1335.00 ft (CF)
KB to GR/CF: 10.00 ft

Serial #: 8370 **Outside**

Press@RunDepth: psig @ 4376.00 ft (KB)
Start Date: 2013.08.01 End Date: 2013.08.02
Start Time: 20:29:34 End Time: 05:41:44

Capacity: 8000.00 psig
Last Calib.: 2013.08.02
Time On Btm:
Time Off Btm:

TEST COMMENT: IF:Strong blow . B.O.B. in 35 secs.
ISI:Strong blow . B.O.B.
FF:Strong blow . B.O.B. in 5 secs.
FSI:Strong blow . B.O.B. GTS 20 mins in to FSIP



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation

Recovery

Length (ft)	Description	Volume (bbl)
60.00	MWw /o specs14%m 86%w / Rw .07@83	0.30
175.00	GOCM 22%g 28%o 50%m	1.91

* Recovery from multiple tests

Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

DRILL STEM TEST REPORT

TOOL DIAGRAM

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52290 **DST#: 3**

Test Start: 2013.08.01 @ 20:35:21

Tool Information

Drill Pipe:	Length:	4266.00 ft	Diameter:	3.80 inches	Volume:	59.84 bbl	Tool Weight:		2400.00 lb
Heavy Wt. Pipe:	Length:	0.00 ft	Diameter:	0.00 inches	Volume:	0.00 bbl	Weight set on Packer:		24000.00 lb
Drill Collar:	Length:	120.00 ft	Diameter:	2.25 inches	Volume:	0.59 bbl	Weight to Pull Loose:		83000.00 lb
					Total Volume:	60.43 bbl	Tool Chased		0.00 ft
Drill Pipe Above KB:		31.00 ft					String Weight:	Initial	67000.00 lb
Depth to Top Packer:		4375.00 ft						Final	68500.00 lb
Depth to Bottom Packer:		ft							
Interval between Packers:		13.00 ft							
Tool Length:		33.00 ft							
Number of Packers:		2	Diameter:	6.75 inches					

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths	
C.O. Sub	1.00			4356.00		
Shut in tool	5.00			4361.00		
HMV	5.00			4366.00		
Packer	4.00			4370.00	20.00	Bottom Of Top Packer
Packer	5.00			4375.00		
Stubb	1.00			4376.00		
Recorder	0.00	8352	Inside	4376.00		
Recorder	0.00	8370	Outside	4376.00		
Perforations	7.00			4383.00		
Bullnose	5.00			4388.00	13.00	Bottom Packers & Anchor
Total Tool Length:	**33.00**					

DRILL STEM TEST REPORT

FLUID SUMMARY

White Pine Petroleum Corp.

110 S.Main Ste.500
Wichita KS 67202

ATTN: Pat Deenihan

6-33s-5w Harper,KS

Pauline Salser #2-6

Job Ticket: 52290 **DST#: 3**

Test Start: 2013.08.01 @ 20:35:21

Mud and Cushion Information

Mud Type:	Gel Chem	Cushion Type:		Oil API:	deg API
Mud Weight:	9.00 lb/gal	Cushion Length:	ft	Water Salinity:	94000 ppm
Viscosity:	48.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	8.78 in³	Gas Cushion Type:			
Resistivity:	0.00 ohm.m	Gas Cushion Pressure:	psig		
Salinity:	3000.00 ppm				
Filter Cake:	0.20 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MWw /o specs14%m 86%w / Rw .07@83deg	0.295
175.00	GOCM 22%g 28%o 50%m	1.908

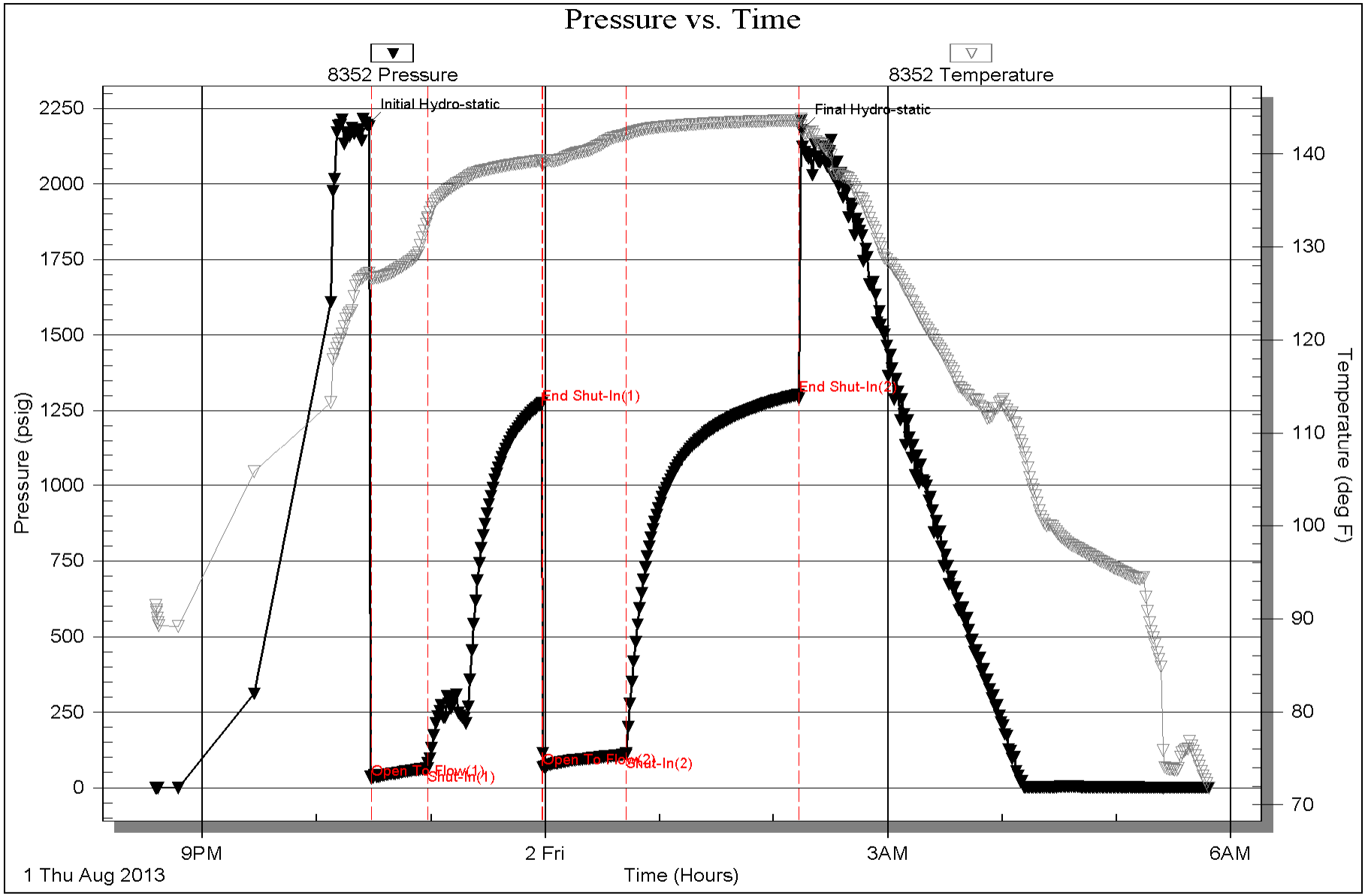
Total Length: 235.00 ft Total Volume: 2.203 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #: none

Laboratory Name: Laboratory Location:

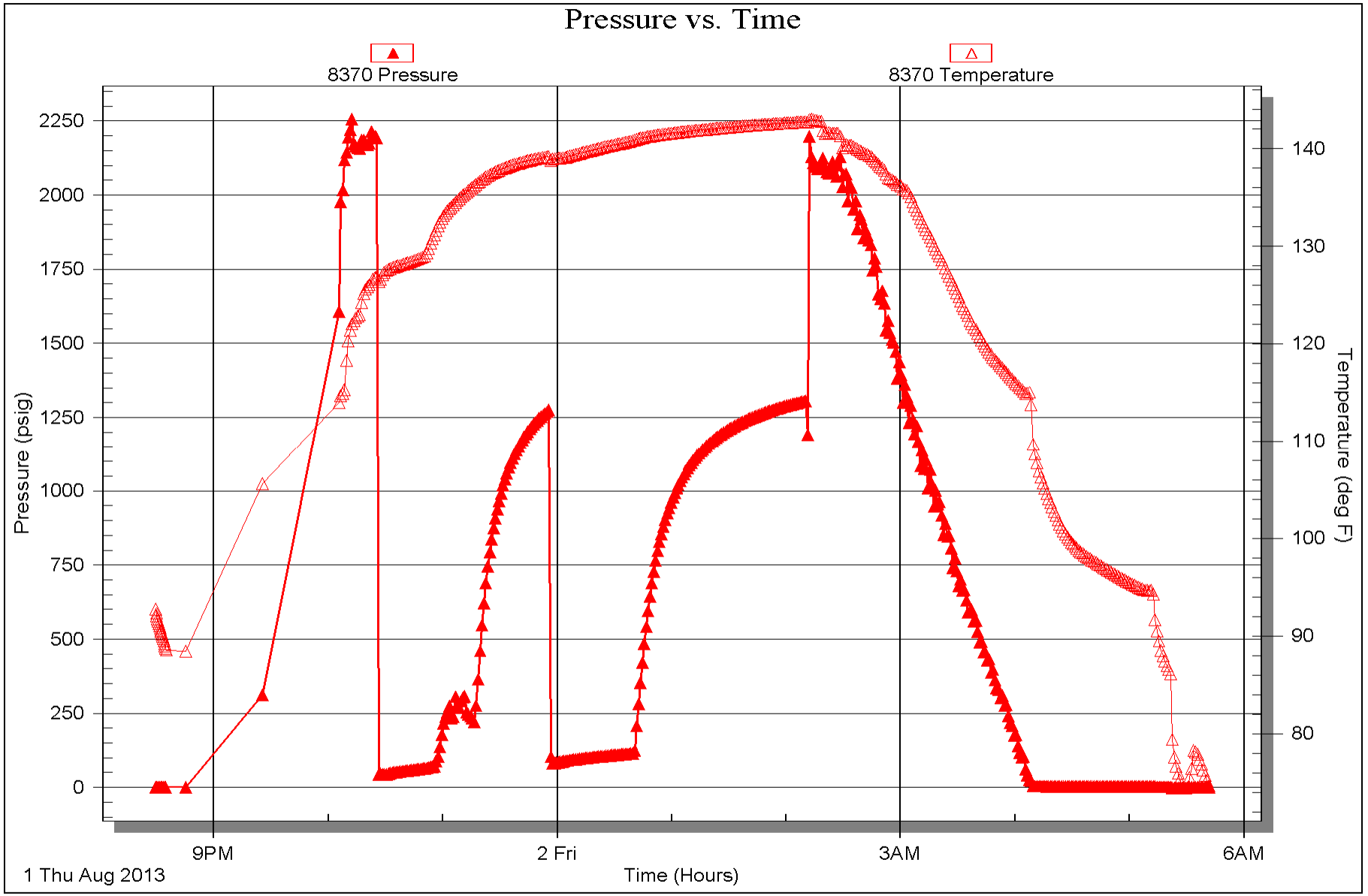
Recovery Comments:

Serial #: 8352 **Inside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 52290 Printed: 2013.08.05 @ 09:51:51

Serial #: 8370 **Outside** White Pine Petroleum Corp. Pauline Salser #2-6 DST Test Number: 3



Trilobite Testing, Inc Ref. No: 52290 Printed: 2013.08.05 @ 09:51:51

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 52288

Well Name & No. Pauline Salser #2-C Test No. 1 Date 7-29-13

Company White Pine Petl. Corp. Elevation 1345 KB 1357 GL

Address 110 S. Main St. Ste. 500, Wichita Ks. 67202

Co. Rep / Geo. Pat Deenihan Rig Hardt Drlg. #1

Location: Sec. 6 Twp. 33S Rge. SW Co. Harper State Ks.

Interval Tested 3708 - 3725' Zone Tested Lans, KC 'B'

Anchor Length 17' Drill Pipe Run 3579' Mud Wt. 9.4

Top Packer Depth 3703' Drill Collars Run 120 Vis 56

Bottom Packer Depth (Shale) 3708' Wt. Pipe Run 0 WL 8.8 cc

Total Depth 3725' Chlorides 5000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 13 mins. ISI: Weak blow. 1-2 1/2".

FF: Strong blow. B.O.B. in 20 secs. FSI: Fair blow, 3-6".

2550' Gas in pipe

Rec 150	Feet of SGCM	4 %gas	%oil	%water 96	%mud
Rec 230	Feet of GOCM	58 %gas	7 %oil	%water 35	%mud
Rec	Feet of [illegible]	%gas	%oil	%water	%mud
Rec 120	Feet of GW&MCO	42 %gas	34 %oil	12 %water	12 %mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 500 Fluid BHT 129° Gravity N/A API RW N.C. @ °F Chlorides 5,000 ppm

(A) Initial Hydrostatic	1806	☑ Test	1150	T-On Location	0820
(B) First Initial Flow	140	☑ Jars	250	T-Started	0933
(C) First Final Flow	145	☑ Safety Joint	75	T-Open	1113
(D) Initial Shut-In	840	☐ Circ Sub		T-Pulled	1419
(E) Second Initial Flow	151	☐ Hourly Standby		T-Out	1708
(F) Second Final Flow	173	☑ Mileage 144	223.20	Comments	
(G) Final Shut-In	818	☐ Sampler			
(H) Final Hydrostatic	1781	☐ Straddle		☐ Ruined Shale Packer	
		☑ Shale Packer	250	☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	45	☐ Extra Recorder		Sub Total	0
Final Flow	45	☐ Day Standby		Total	1948.20
Final Shut-In	60	☐ Accessibility		MP/DST Disc't	
		Sub Total	1948.20		

Approved By Our Representative Tony Pevoteaux

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 52289

Well Name & No. PAULINE SALSER # 2-6 Test No. 2 Date 8-1-13

Company WHITE PINE PETL. CORP. Elevation 1345 KB 1335 GL

Address 110 S. MAIN ST. STE. 500 WICHITA KS. 67202

Co. Rep / Geo. PAT DEENIHAN Rig HAIRST DRLG #1

Location: Sec. 6 Twp. 33S Rge. 5W Co. HARPER State KS

Interval Tested 4372 ~ 4381 Zone Tested MISS.

Anchor Length 9' Drill Pipe Run 4235 Mud Wt. 9.4

Top Packer Depth 4367' Drill Collars Run 120 Vis 48

Bottom Packer Depth (SHALE) 4372' Wt. Pipe Run 0 WL 8.8 cc

Total Depth 4381' Chlorides 3,000 ppm System LCM 0

Blow Description IF: Weak blow. Slow increase to 4".

ISI: No blow.

FF: Strong blow. B.O.B. in 12 mins. FST: Weak blow. 1-2".

Rec 760	Feet of Gas in pipe		%gas	%oil	%water	%mud
Rec 50	Feet of SOC, GM	13	%gas	2 %oil	%water	85 %mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud
Rec	Feet of		%gas	%oil	%water	%mud

Rec Total 50 Feet BHT 140° Gravity N/A API RW N.C. @ — °F Chlorides 3,000 ppm

(A) Initial Hydrostatic 2178	☑ Test 1250	T-On Location 0602
(B) First Initial Flow 17	☐ Jars	T-Started 0641
(C) First Final Flow 22	☐ Safety Joint	T-Open 0838
(D) Initial Shut-In 1339	☐ Circ Sub	T-Pulled 1244
(E) Second Initial Flow 19	☐ Hourly Standby	T-Out 1432
(F) Second Final Flow 29	☑ Mileage 144 223.20	Comments
(G) Final Shut-In 1465	☐ Sampler	
(H) Final Hydrostatic 2142	☐ Straddle	☐ Ruined Shale Packer
	☑ Shale Packer 250	☐ Ruined Packer
Initial Open 30	☐ Extra Packer	☐ Extra Copies
Initial Shut-In 60	☐ Extra Recorder	Sub Total 1225
Final Flow 60	☐ Day Standby 1d 36.75h	Total 2948.20
Final Shut-In 90	☐ Accessibility	MP/DST Disc't
	Sub Total 1723.20	

Approved By Our Representative Corey Swatsworth

TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

4/10

Test Ticket

NO. 52290

Well Name & No. PAULINE SALSER #2-6 Test No. 3 Date 8-1-13

Company WHITE PINE PET. CORP. Elevation 1345 KB 1335 GL

Address 1105 MAIN STE. 500, WICHITA KS. 67202

Co. Rep / Geo. PAT DEENIHAN Rig HARDT DRLG. #1

Location: Sec. 6 Twp. 33S Rge. 5W Co. HARPER State KS

Interval Tested 4375 - 4388' Zone Tested MISS.

Anchor Length 13' Drill Pipe Run 4266' Mud Wt. 9.4

Top Packer Depth ~~4370~~ Drill Collars Run 120' Vis 48

Bottom Packer Depth 4375' Wt. Pipe Run 0 WL 8.8 cc

Total Depth 4388' Chlorides 3,000 ppm System LCM 0

Blow Description IF: Strong blow. B.O.B. in 35 secs. ISI: Strong blow. B.O.B.

FF: Strong blow. B.O.B. in 5 secs. FSI: Strong blow. B.O.B.

GTS 20 mins. in to FSIP

Rec 175	Feet of GOCM	22 %gas	~~28~~ %oil	%water 50	%mud
Rec 60	Feet of MW/wo specs.	%gas	%oil 86	%water ~~14~~	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 235 FLUID BHT 144° Gravity N/A API RW .07 @ 83 °F Chlorides 94000 ppm

(A) Initial Hydrostatic	2194	☑ Test	1250	T-On Location	1005
(B) First Initial Flow	31	☐ Jars		T-Started	2035
(C) First Final Flow	64	☐ Safety Joint		T-Open	2228
(D) Initial Shut-In	1274	☐ Circ Sub		T-Pulled	0214
(E) Second Initial Flow	67	☐ Hourly Standby		T-Out	0549
(F) Second Final Flow	109	☑ Mileage	144 223.20	Comments	
(G) Final Shut-In	1303	☐ Sampler			
(H) Final Hydrostatic	2177	☐ Straddle		☐ Ruined Shale Packer	
		☑ * Shale Packer	250	☐ Ruined Packer	
Initial Open	30	☐ Extra Packer		☐ Extra Copies	
Initial Shut-In	60	☐ Extra Recorder		Sub Total	0
Final Flow	45	☐ Day Standby		Total	1723.20
Final Shut-In	90	☐ Accessibility		MP/DST Disc't	
		Sub Total	1723.20		

Approved By _____ Our Representative Gary Svoboda

PATRICK J. DEENIHAN
PETROLEUM GEOLOGIST
316-640-5611
P.O. BOX 781929
PJDEENIHAN@COX.NET
WICHITA, KS 67278

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: WHITE PINE PETROLEUM, CORP.
LEASE: PAULINE SALSER #2-6
FIELD: FREEPORT
LOCATION: 1650' FNL & 990' FEL (NW-SE-NE)
SEC. 6 TWP. 33 S RGE. 5 W
COUNTY: HARPER STATE: KANSAS
CONTRACTOR: HARDT DRILLING, LLC
COMM. 7-22-13 COMP. 8-03-13
RTD 4520' LOG TD 4518
SAMPLES SAVED FROM N/A TO N/A
DRILLING TIME KEPT FROM 3500' TO T.D.
SAMPLES EXAMINED FROM 3500 TO T.D.
GEOLOGICAL SUPERVISION FROM 3625 TO T.D.
MUD UP 2993' TYPE MUD CHEMICAL
API # 15-077-21953-00-00

ELEVATION
KB 1345'
DF
GL 1335'
Measurements Are All From K.B.

CASING RECORD
SURFACE 8 5/8" @ 299'
PRODUCTION 5 1/2" @ 4518'

FORMATION	LOG TOP	LOG DATUM	SAMPLE TOP	SAMPLE DATUM	STRUCT. COMP.
KS. CITY	3703	(-2358)	3702	(-2357)	+5
KS. CITY "B"	3721	(-2376)	3720	(-2375)	+5
STARK SHALE	3863	(-2518)	3859	(-2514)	+1
B.K.C.	3952	(-2607)	3949	(-2604)	+1
CHEROKEE	4149	(-2804)	4148	(-2803)	+2
MISSISSIPPIAN	4370	(-3025)	4368	(-3023)	FLAT
MISS. POROSITY	4376	(-3031)	4374	(-3029)	+2
MISS. OSAGE	4401	(-3056)	4398	(-3053)	+6

REFERENCE WELL FOR STRUCTURAL COMPARISON:
VESS OIL CORP. #1-6 PAULINE SALSER
SEC. 6-T33S-R5W; 1270' [illegible] SE-NE
HARPER COUNTY, KANSAS

WELL LOG SURVEYS
PIONEER ENERGY
DUAL IND./NEUT DENSITY

LEGEND: Anhydrite, Salt, Sandstone, Shale, Carb sh, Limestone, Ool.Lime, Chert, Dolomite

SCALE 1" = 100'

SAMPLE DESCRIPTION (depth 3500–4520)

3500
- SH., GRY-ARGIL TO SILTY
- SS., WHT-SUB-SORT'D-SUB-ROUND TO RD., SLI-FRIABLE TO NON-FRIABLE-TRC OF RARE GAS-GRY SILTY TO MICA-INCLUSIONS, LOT OF GRY-SILTY SHALE
- SS., WHT-LT.GRY-SUB-RD TO RD-POORLY SORTED, F-SHOW OF RARE GAS-SS-LT.GRY-SUB-ANG TO ANG-DENSE CALC MATRIX-NO SHOW
- SH., DK.GRY, GRY, LT.GRY-LT.GRN-V.SILTY
- ✓
- ✓
- SH., BLACK, DK.GRY, AQUA, ORG, LT.GRN, ORG SILTY TO ARGIL.
- ✓
- SH., GRY-DK.GRY-ARGIL TO SLI-SILTY

3600
- ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓
- SH., BLACK CARB
- SH., BLACK, GRY BRN-ARGIL

3700
- LS., WHT, CRM, GRY-MICRO-XLN NO SHOW
- SH., VARI-COLOR
- LS., CRM, TAN/MOTT-FN-XLN-FSSL-FRED OOL, SLI OOLD-W/DEPTH, OOL INTER XLN-V-G-d-GOOD GASSY ODOR-SSLFO PARTIAL TO TOTAL OIL SAT. STAIN (CFS)
- LS., WHT-CRM-FN-XLN, VFU-FSSL SLI-ODOR TRC OF F.O.-P-F-SFN-CHALKY W/DEPTH
- SH., BLACK & GRY
- LS., CRM-TAN, FN-XLN & FSSL NO SHOW
- LS., WHT, CRM, TAN, MOTT-BING/FN-XLN-FSSL, CHALKY TO SUB CHERTY-WHT, FRESH, OPAQ NO SHOW
- LS., A/A-SLI-DOLO-NO SHOW
- LS., CRM, TAN-FN-XLN, INTER-XLN FSSL, DOLO-& CHERTY-NO SHOW
- LS., CRM-FN-XLN, SLI-FSSL-FN-DOLOMITIC, CHERTY & CHALKY NO SHOW
- ✓ ✓ ✓ ✓

3800
- SH., LT.GRY, GRY
- LS., CRM, TAN FN-XLN-CHERT-DOLOMITIC-NO SHOW
- ✓
- SH., BLACK CARB
- SH., BLACK CARB, DK.GRY, BRN
- SH., A/A; LS., TAN-MOTT-CRYPTO TO FINE-XLN, FSSL-NO SHOW
- SH., VARI-COLOR
- LS., BRN, MOTT, CRYPTO-MICRO-FN XLN, SLI-FSSL-V.CHERTY NO SHOW
- ✓

3900
- SH., BLACK CARB
- LS., A/A-NO SHOW
- SH., GRY-DK.GRY
- LS., CRM-TAN-FSSL & FN-XLN; SH., A/A.
- SH., GRY-DK.GRY-ARGIL-SILTY
- LS., TAN, GRY-MICRO-TO FN-XLN SLI-CHERTY-NO SHOW
- SH., BLACK CARB
- SH., BLACK-VARI-COLOR-ARGIL & SILTY
- ✓
- LS., TAN, GRY-V.DENSE MICRO XLN-SLI-FSSL-NO SHOW
- SH., BLACK, DK GRY-SLI-VARI-COLOR, ARGIL & SILTY

4000
- ✓ ✓ ✓
- LS., CRM, TAN, LT GRY, FN-XLN FSSL, SLI D & SUB-CHALKY NO SHOW
- SH., BLACK CARB
- LS., TAN-FN-XLN, FSSL-NO SHOW
- SH., BLACK, VARI-COLOR
- LS., CRM, WHT, LT.GRY, F-FN-XLN, FSSL, SUB-CHALKY NO SHOW
- SH., DK.GRY-VARI-COLOR
- ✓ ✓
- LS., CRM, TAN, BRN-FN-XLN FSSL, SLI-CHERTY, NO SHOW

4100
- SH., GRYS
- LS., A/A
- SH., GRYS-LS-TAN, GRY-FN-XLN-NO SHOW
- LS., & SH-A/A
- ✓
- LS., CRM, TAN, LT GRY-FN-XLN P-FSSL-NO SHOW
- ✓
- SH., BLACK CARB
- SH., GRY, DK GRY, BLK
- LS., TAN, GRY-MICO-XLN, P-FSSL CHERTY IN PT, NO SHOW
- SH., BLACK CARB
- LS., CRM, GRY MICRO-XLN-SLI-CHERT P-SCAT FSSL-N
- SH., GRYS-ARGIL
- LS., CRM, GRY-FN-XLN, SLI-FSSL, SUB-CHALKY NO SHOW
- SH., GRYS-ARGIL-SILTY

4200
- SH., GRYS-ARGIL
- LS., A/A
- SH., GRYS-ARGIL & SILTY
- LS., WHT, TAN, GRY, FN-XLN, FSSL SLI-CHERTY & SUB-CHALKY NO SHOW
- SH., BLACK CARB., DK.GRY, BRN-GRN ARGIL, FISSILE, SILTY
- LS., A/A
- SH., DK GRY-ARGIL
- LS., A/A
- SH., VARI-COLOR
- SH., BLACK CARB., BRN, RUST, LT GRN ARGIL
- LS., CRM, LT GRY, TAN-FN-XLN-FSSL FRAGMENTED TO SLI-OOL SUB-CHALKY-NO SHOW

4300
- SH., BLACK CARB
- LS., A/A
- SH., VARI-COLOR
- LS., A/A W/FRESH WHT TO TAN & NO SHOW
- SH., BLACK CARB
- LS., TAN, GRY, BRN-MOTT-DENSE MICRO-XLN, SLI-FSSL-NO SHOW
- ✓ ✓
- SH., BLACK CARB.
- SH., ABUND VARI-COLOR-GRY, RUST BRN, ABN. MUSTARD MAROON, PURPLE-CHERT-CRM, GRY, TAN FRESH-SLI-WEATH, F-BRN TO BLACK-EDGE ST-NO FLUOR.
- CHERT-WHT, CRM, TAN, GRY-FRESH (CFS)
- 4381' WEATH. TO TRIPOLITIC-SLI-SHOW OF GAS BUBBLES SHOW AS ABOVE W/SCAT GOOD FLUOR-INCR. IN STN IN VUG-WEATHERED & TRC OF F.O. FLUOR. BRIGHT GOLD-SCAT TO SAT (CFS) (CFS)
- 4388' - CHERT A/A INCR. LT BRN STN F-G ODOR-ABUND G-FLUOR TRC OF TRIP & SAT OIL STN

4400
- SH., ABUND VARI-COLOR-CHERT WHT TO TAN-FRESH, SLI-WEATH-SCAT: G.T. MED BRN OIL STN-ABUND BARREN & WATER ODOR
- SH., ABUND VARI-COL (CFS)
- CHT, WHT-CRM, FRESH TO SLI-WEATH (CFS)
- LS., WHT-CRM, ABUND MICRO-FSSL FRAGMENTED IN CHERTY LS., V-G-D PP TO INTERFSSL & -NO SHOW
- ✓
- LS., A/A W/ ABUND VARI-COLOR SHALE
- LS. & CHERT-A/A-INCREASE OF FRESH TITE FSSL & TRC OF F-OOL, LS. NO SHOW
- LS., WHT TAN FN-XLN SLI-FSSL CHALKY NO SHOW
- ✓
- LS., A/A-ABUND SH., RED, DK GRY GRN, BRN

4500
- LS., WHT-CRM, GRY, CHALKY, FN-XLN WHT-CRM FRESH CHERT TRC OF OOLS-GRY FN TO MED XLN-W) ABUND CLEAR TRANSLUCENT QUARTZITE & BLK, GRN SHALE INCLUSIONS-VARI-COLOR SH NO SHOW
- RTD REACHED AT 4520' ON 7-02-13 AT 5:51 PM

REMARKS

7:00 AM - DEPTH
7-20-13 - MOVED IN
7-21-13 - DAY OFF
7-22-13 - 228'
7-23-13 - 450'
7-24-13 - 1150'
7-25-13 - 1790'
7-26-13 - 2325'
7-27-13 - 2860'
7-28-13 - 3419'
7-29-13 - 3725'
7-30-13 - 3885'
7-31-13 - 4170'
8-01-13 - 4381'
8-02-13 - 4388'
8-03-13 - 4502'

SURVEY: @ 310' = 1°
@ 821' = 1°
@ 1316 = 3/4°
@ 1844 = 1/2°
@ 2368 = 3/4°
@ 2893 = 3/4°
@ 3419 = 2°
@ 3625 = 1°
@ 4223' = [illegible]

SHORT TRIP - PULLED 6 STANDS SURVEY - 1° @ 3625'

DST #1 (3708' - 3725')
30" - 45" - 45" - 60"
IF: STRONG BLOW BOB IN 13 MIN.
ISI: 1"-2" BLOW BACK
FF: BOB IN 20 SEC; FSI: 3-6" BLOW BACK
REC. 2550' GIP
150' SGCM (4% G - 96% MUD)
230' GOCM (58% G - 7% OIL - 35% MUD)
120' GW & MCO (42% G - 34% OIL - 12% WTR (FILTRATE) 12% MUD)
IHP: 1806 FHP: 1781
IFP: 140#/145# FFP: 151#/173#
ISIP: 840# FSIP: 818#
CHL: 5000 PPM LCM: 0#

MUD CHECK AT 3725'
VIS: 56 WT: 9.4# WL: 10.8
CHL: 5000 LCM: 0#

PIPE STRAP = .97' LONG
SURVEY: 1°

DST #2 (4372' - 4381')
30" - 60" - 60" - 90"
IF: WEAK TO 4"; NO BLOW BACK
FF: STRONG TO BOB IN 12"; WEAK 1"-2" BLOW BACK
REC: 700' GIP; 50' SOC, GCM - (13% GAS - 2% OIL - 85% MUD)
IHP: 2178# FHP: 2142#
IFP: 17#/22# FFP: 19#/29#
ISIP: 1339# FSIP: 1465#
BHT: 140° CHL: 3,000 (SYS)

MUD CHECK @ 4381'
VIS: 47 WT: 9.4 WL: 2500
CHL: 2500 LCM: 0

MUD CHECK @ 4388'
VIS: 75 WT: 8.9 WL: 11.0
CHL: 7000 LCM: 0#

DST # 3 (4375' - 4388')
30" - 60" - 45" - 90"
IF: BOB IN 35 SEC; BOB BLOW BACK
FF: BOB; BOB - GTS IN 20" GTS IN 20 MIN. ON FSIP
REC: 4153' GIP; 175' GOCM (20% GAS - 28% OIL - 50% MUD)
60' MW W) OIL SPECKS - (80% WTR - 14% MUD)
IHP: 2194# FHP: 2177#
FFP: 31#/64# FFP: 67#/109#
ISIP: 1274# FSIP: 1303#
BHT: 144° CHL: 94000 PPM

R.T.D
4520 (-3175')