



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1085023  
OIL & GAS CONSERVATION DIVISION

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 # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

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

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Plug Back       Conv. to GSW       Conv. to Producer
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27       NAD83       WGS84

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Vertical Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite:

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

AFFIDAVIT

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

Submitted Electronically

KCC Office Use ONLY

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1085023

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> 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 <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
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Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

<b>DISPOSITION OF GAS:</b> <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	<b>METHOD OF COMPLETION:</b> <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____ <i>(Submit ACO-4)</i>	<b>PRODUCTION INTERVAL:</b> _____ _____
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Form	ACO1 - Well Completion
Operator	Pioneer Oil Company, Inc.
Well Name	Schamberger 1
Doc ID	1085023

All Electric Logs Run

CBL
Dual Comp Porosity
CPI
MR

## DUAL RECEIVER CEMENT BOND LOG

Company PIONEER OIL COMPANY, INC.  
Well SCHAMBERGER #1  
Field FREDA  
County SHERIDAN  
State KANSAS

Company PIONEER OIL COMPANY, INC.  
Well SCHAMBERGER #1  
Field FREDA  
County SHERIDAN State KANSAS

Location: API #: 1086' FSL & 1179' FEL  
SEC 33 TWP 8S RGE 28W

Permanent Datum GROUND LEVEL Elevation 2670  
Log Measured From KELLY BUSHING 5' AGL  
Drilling Measured From KELLY BUSHING

Other Services  
Elevation  
K.B. 2675  
D.F.  
G.L. 2670

Date	MAY 31, 2012						
Run Number	ONE						
Depth Driller	4065 RTD						
Depth Logger	4017						
Bottom Logged Interval	4016						
Top Log Interval	3000						
Open Hole Size							
Type Fluid	WATER						
Density / Viscosity							
Max. Recorded Temp.	117F						
Estimated Cement Top	3115						
Time Well Ready							
Time Logger on Bottom							
Equipment Number	PT-08						
Location	HAYS						
Recorded By	JEREMY SCHNEIDER						
Witnessed By	MR. RICKEY POPP						
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25	00	220				
TWO	7.875	220	4065				
Casing Record		Size	Wgt/Ft	Top	Bottom		
Surface String		8 5/8	23#	00	220		
Prot. String							
Production String		5 1/2	14#	00	4063		
Liner							

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

Comments

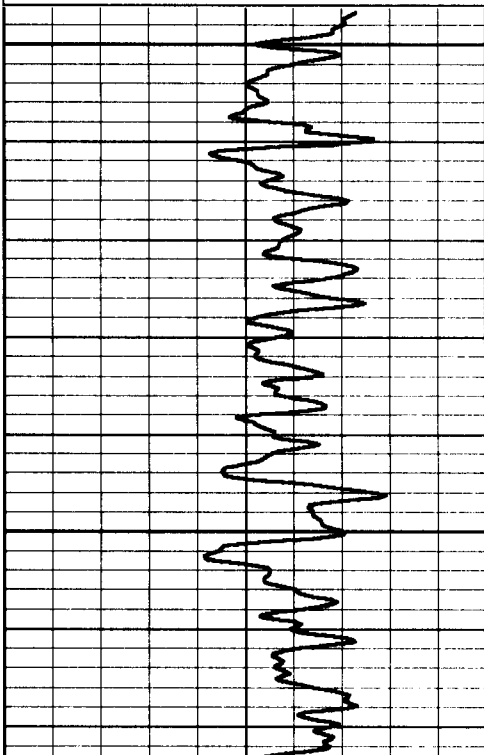
THANKS FOR USING PERF-TECH WIRELINE  
785-623-3969  
I-70 & 23 HWY, 14 NORTH TO RD 40, 1/4 WEST, NORTH INTO  
OR HOXIE, 3 SOUTH TO RD 40, 1/4 WEST, NORTH INTO



# D. V. TOOL

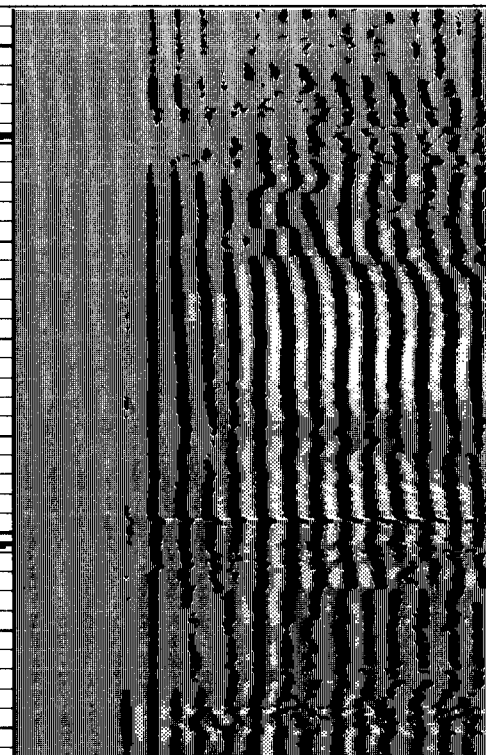
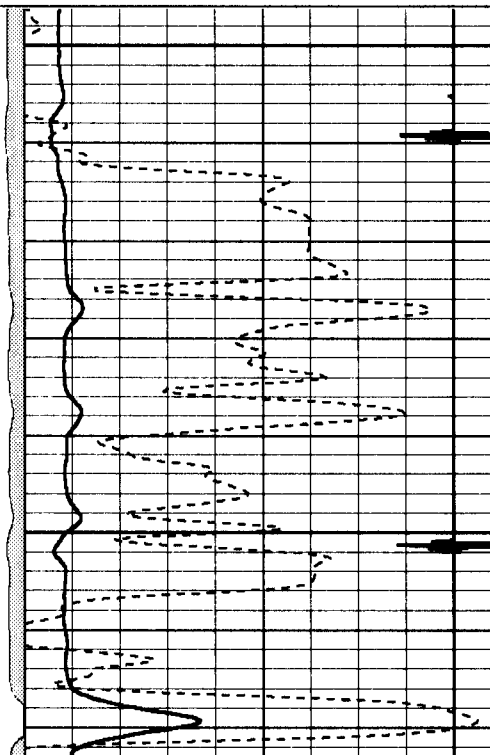
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Charted by: Depth in Feet scaled 1:240

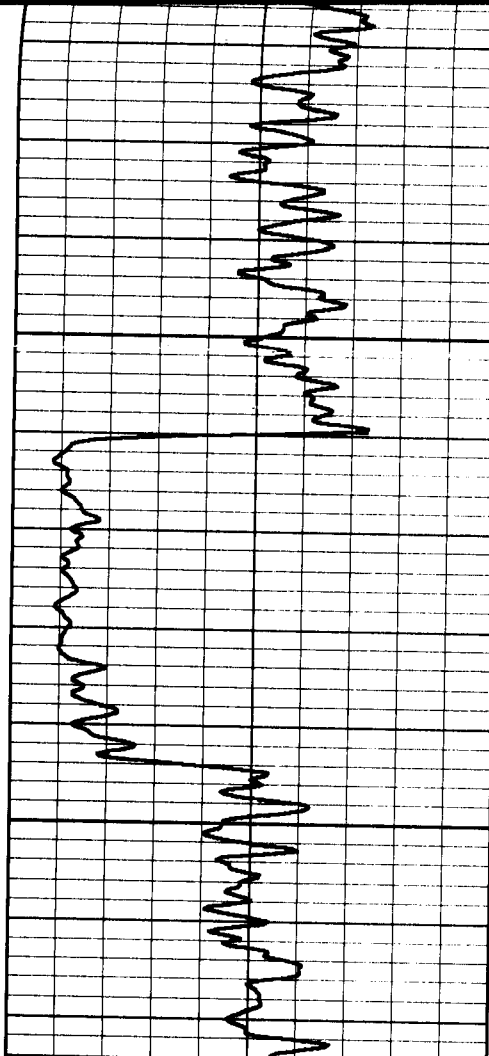
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			775	3' TRAVEL TIME (usec)	275			
			9	Collar Locator	-1			



2200

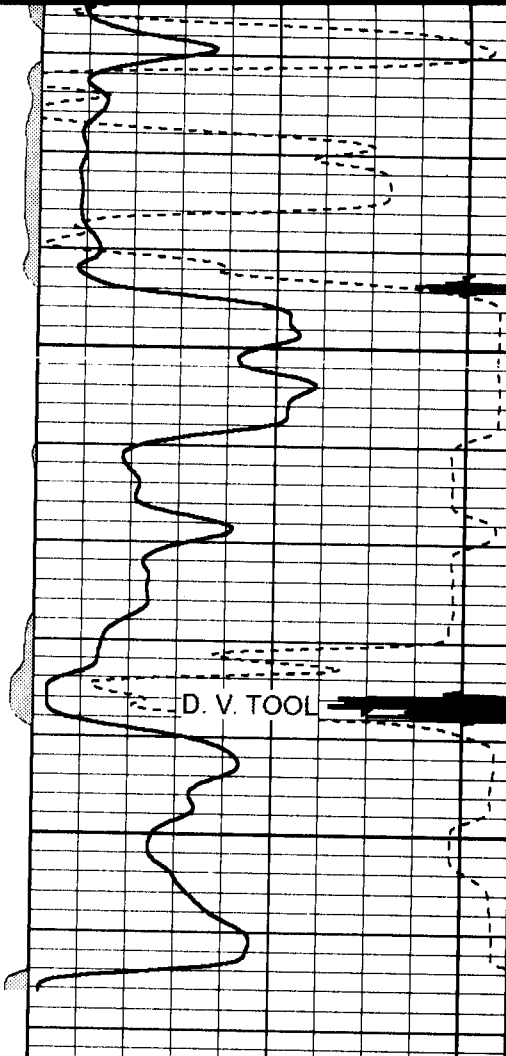
2250



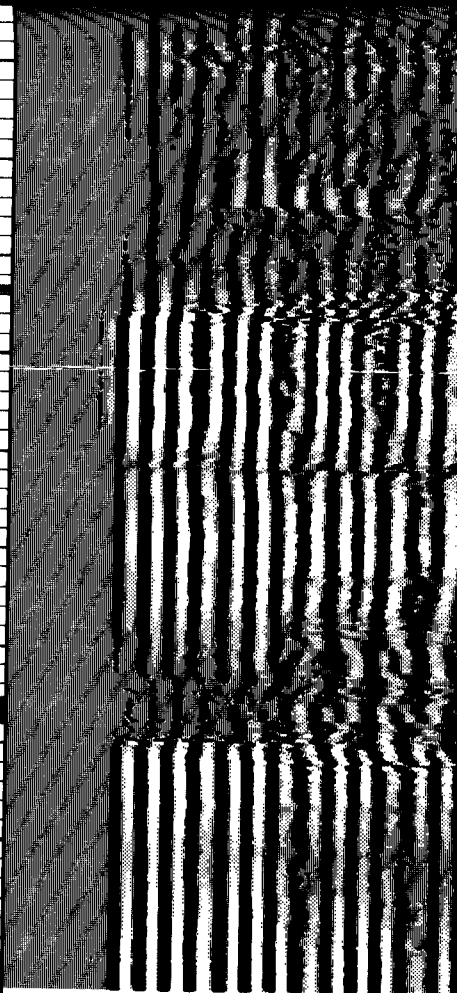


0 Gamma Ray (GAPI) 150

2300  
2350



0 3' AMPLITUDE (mV) 100  
775 3' TRAVEL TIME (usec) 275  
9 Collar Locator -1



200 5' Variable Density 110

**Perf-Tech**  
Wireline Services

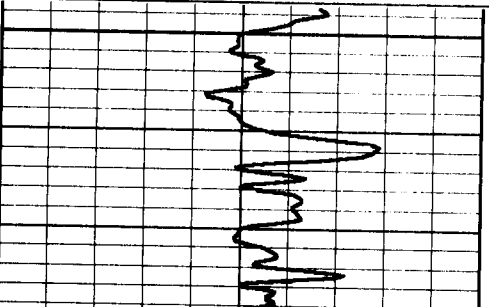
**MAIN PASS**

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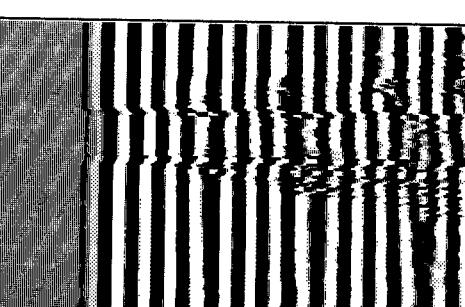
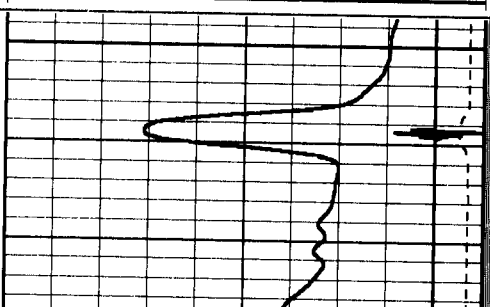
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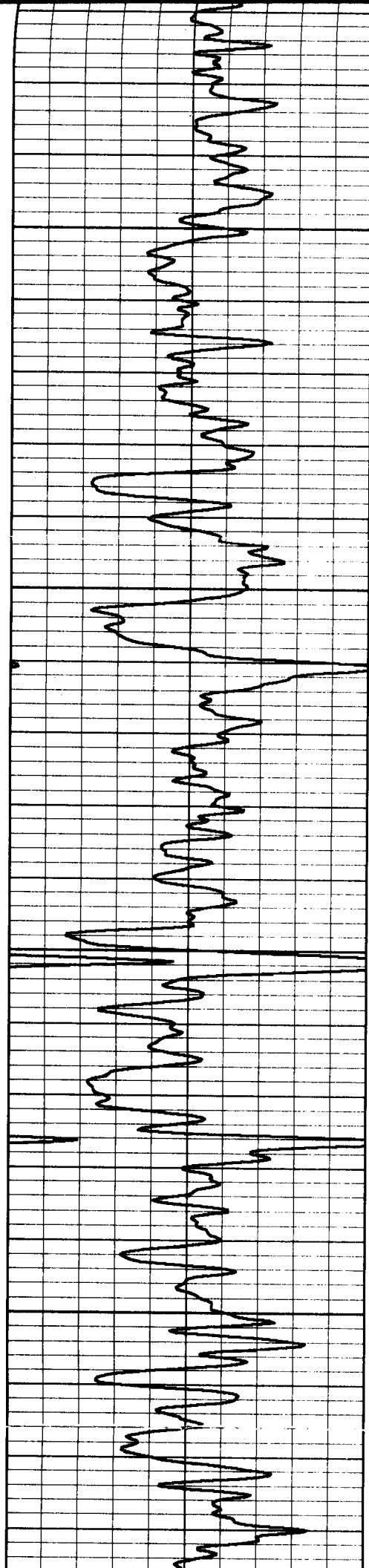
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775 3' TRAVEL TIME (usec) 275  
9 Collar Locator -1

200 5' Variable Density 110



3000



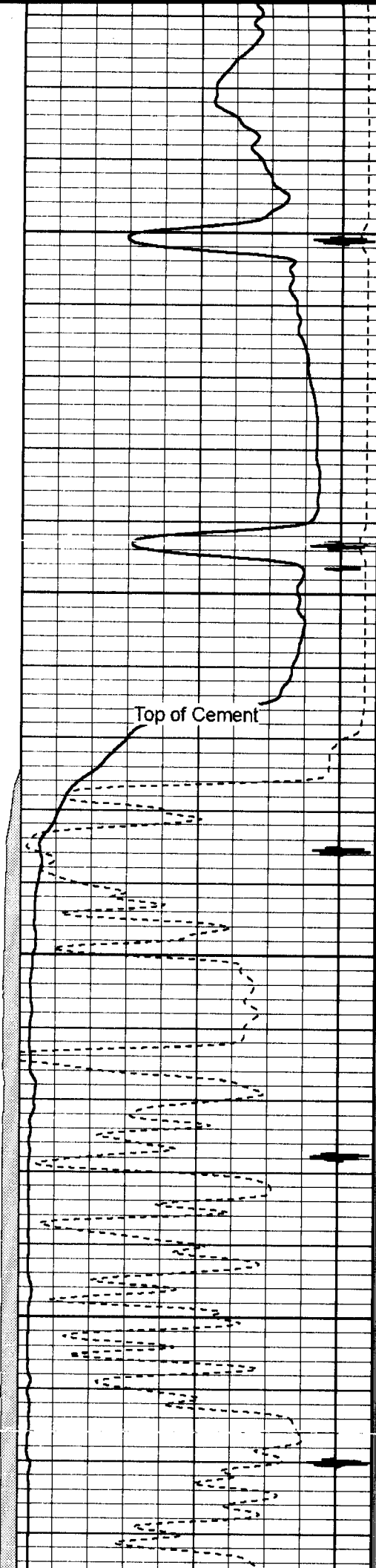


3050

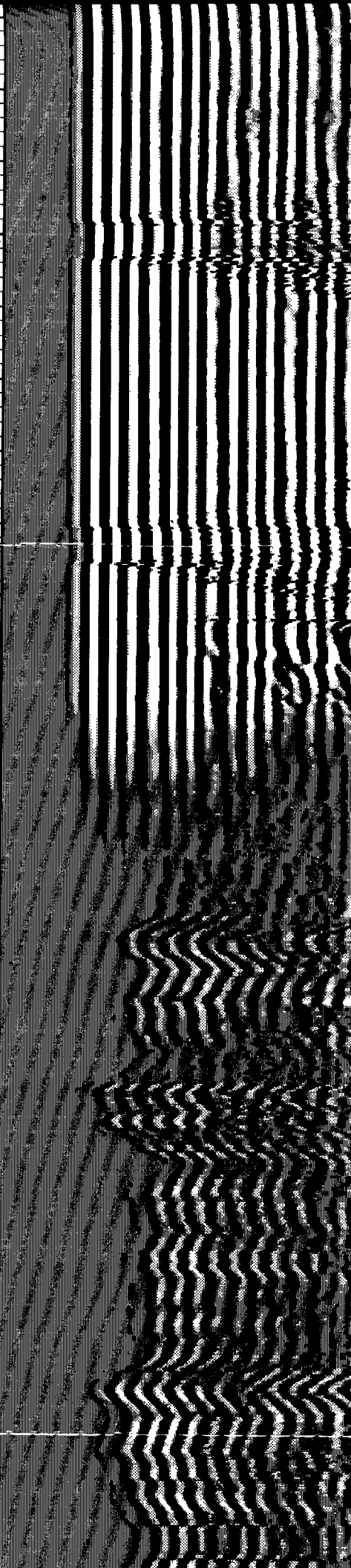
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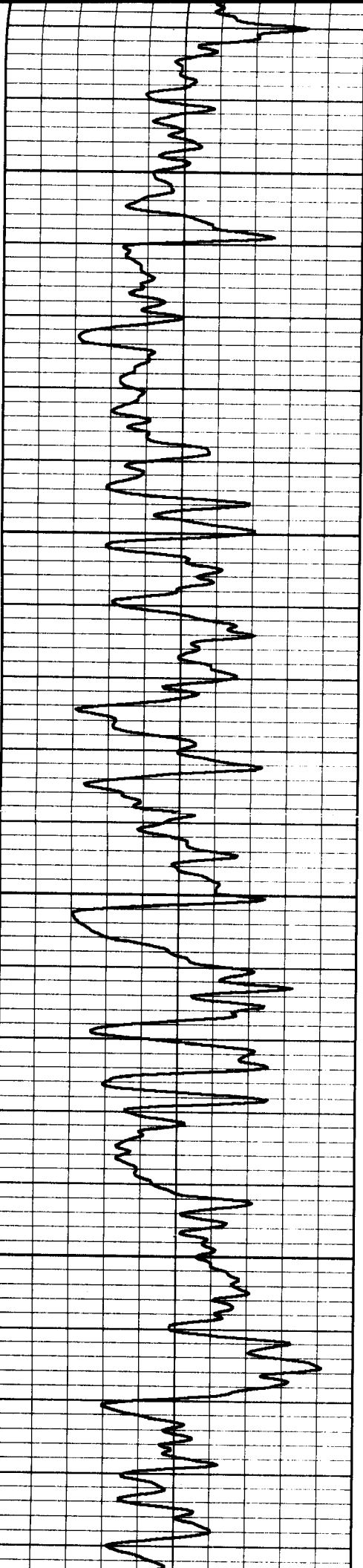
3150

3200



Top of Cement



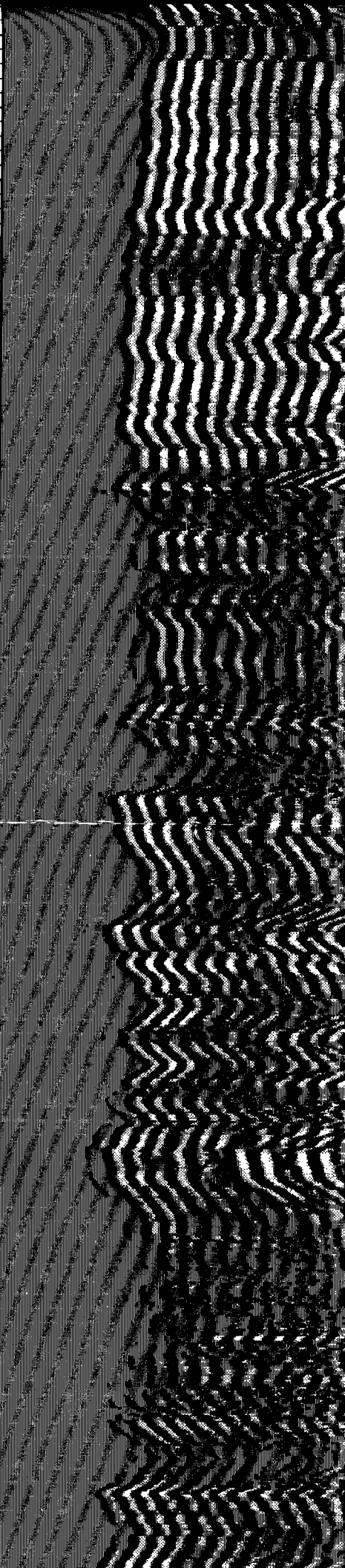
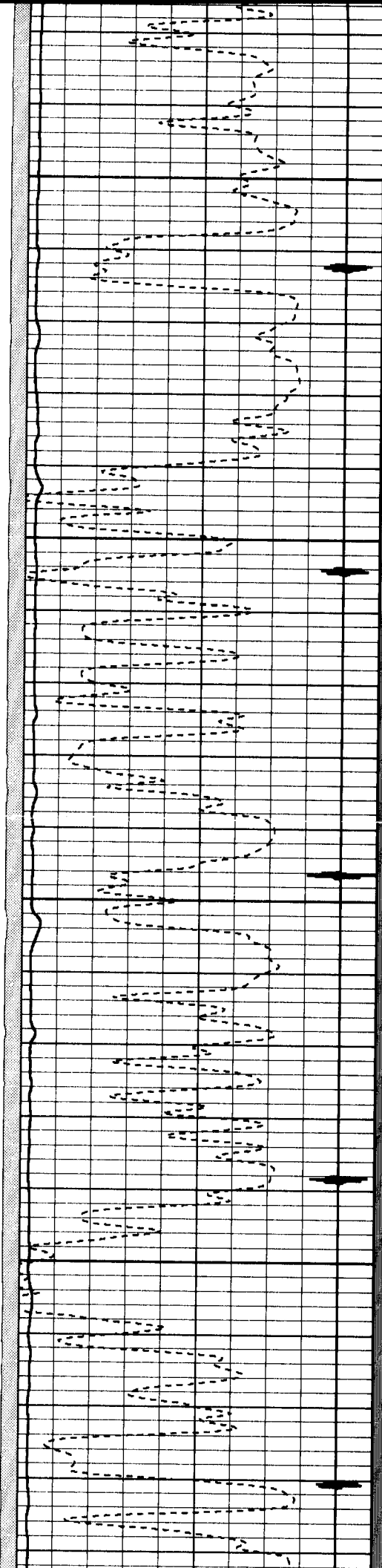


3250

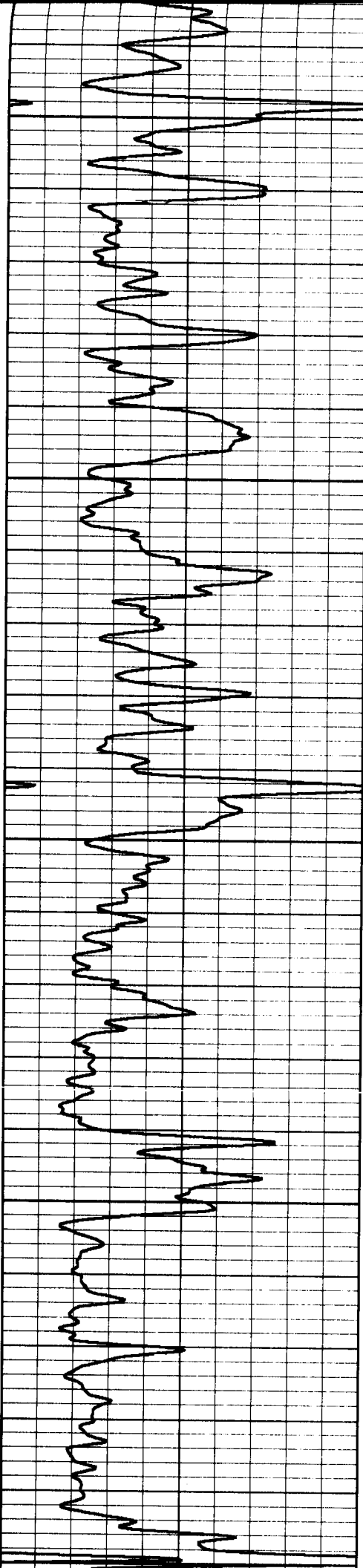
3300

3350

3400







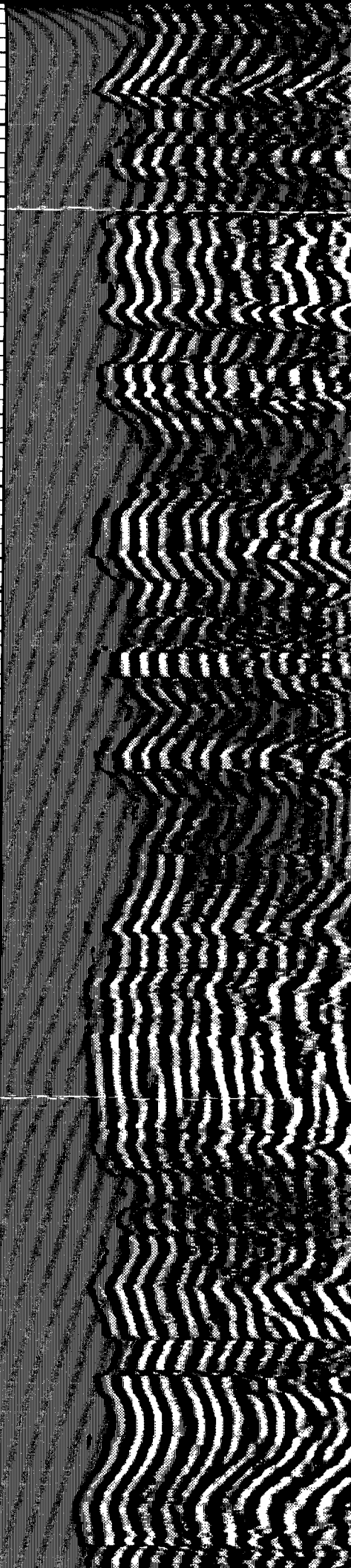
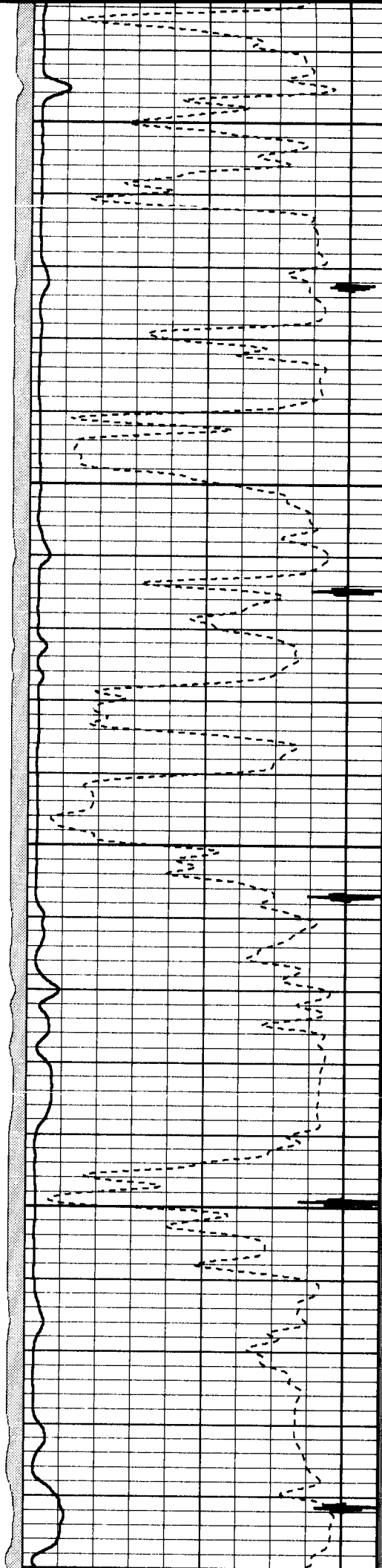
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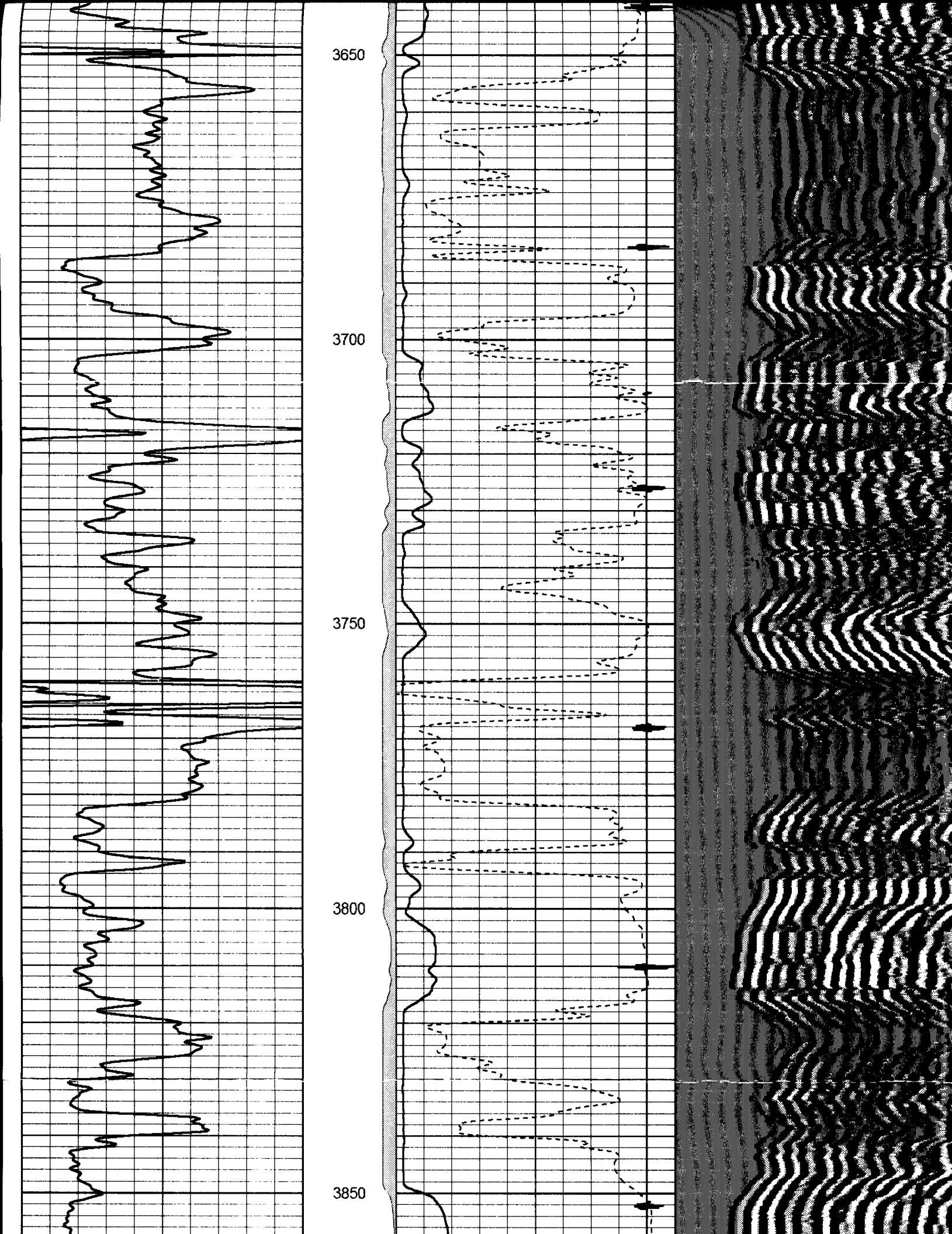
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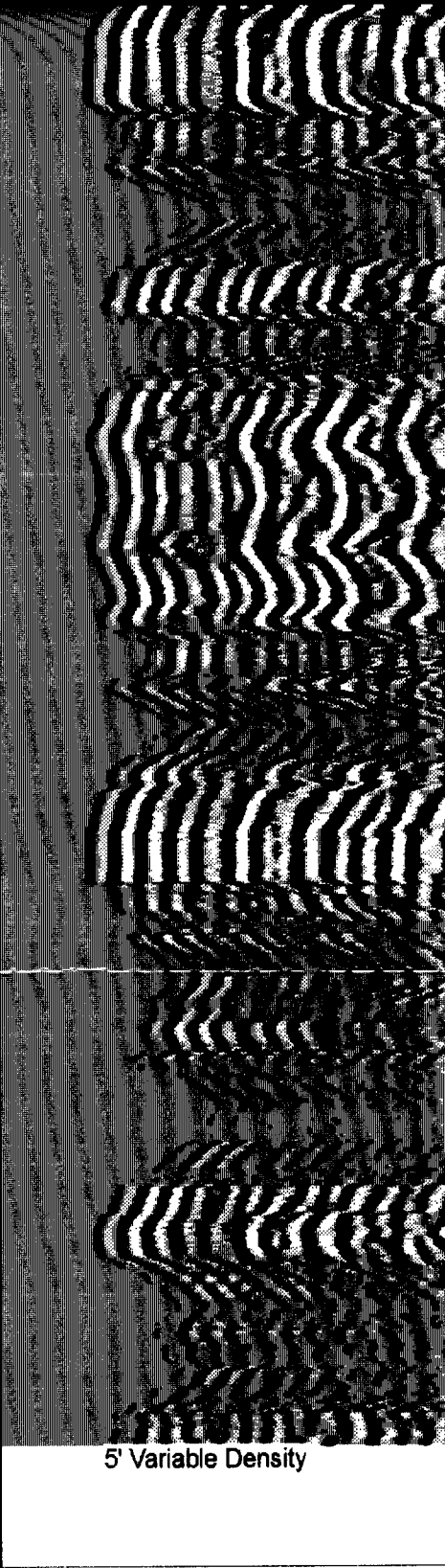
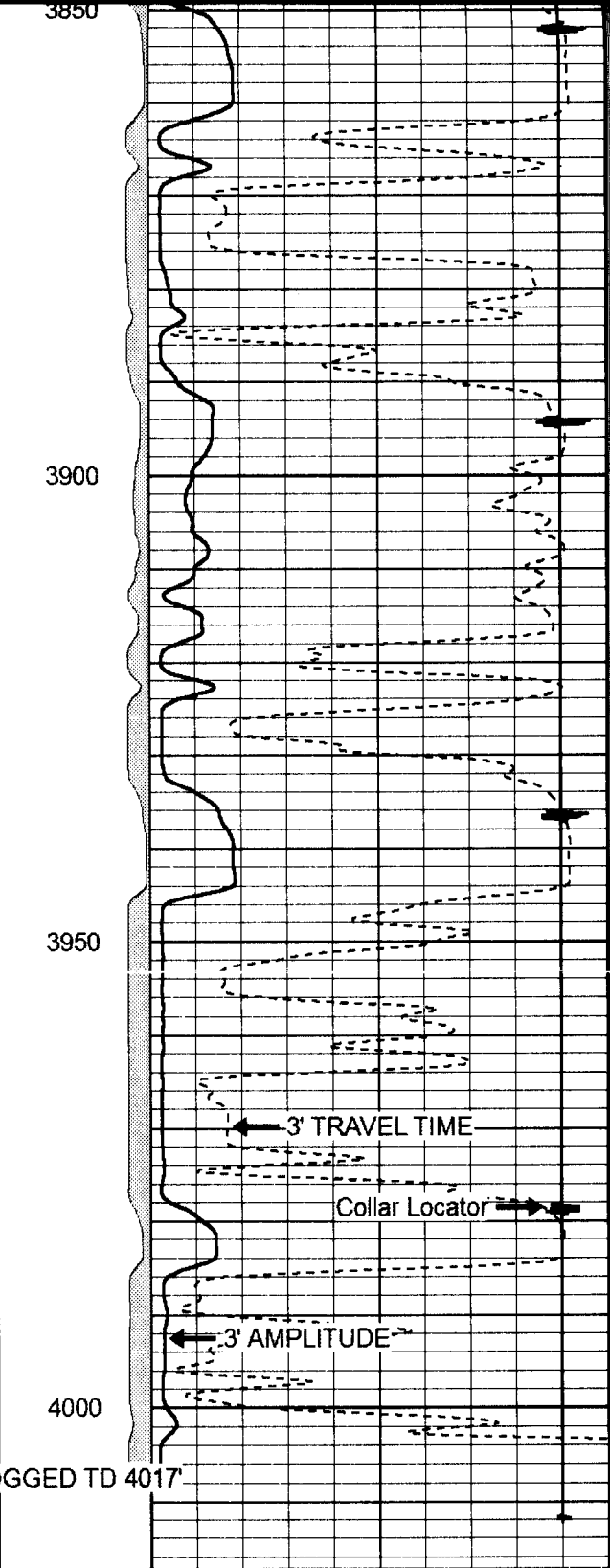
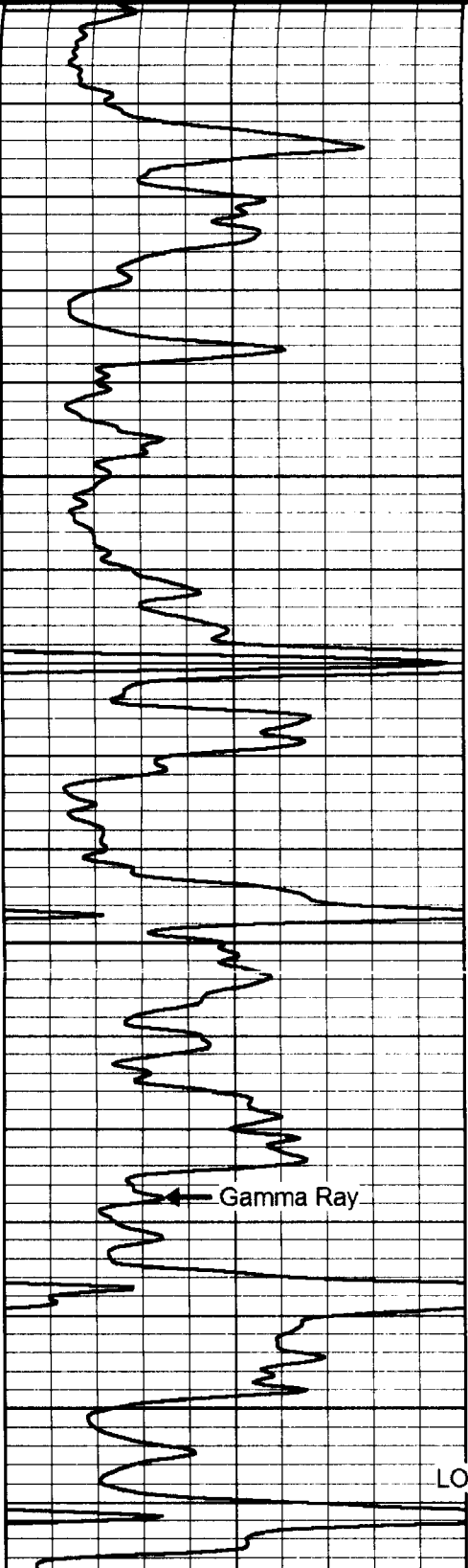
3550

3600

3650







0 Gamma Ray (GAPI) 150

0 3' AMPLITUDE (mV) 100 200  
 775 3' TRAVEL TIME (usec) 275  
 9 Collar Locator -1

5' Variable Density 1100

**Perf-Tech**  
 Wireline Services

# REPEAT SECTION

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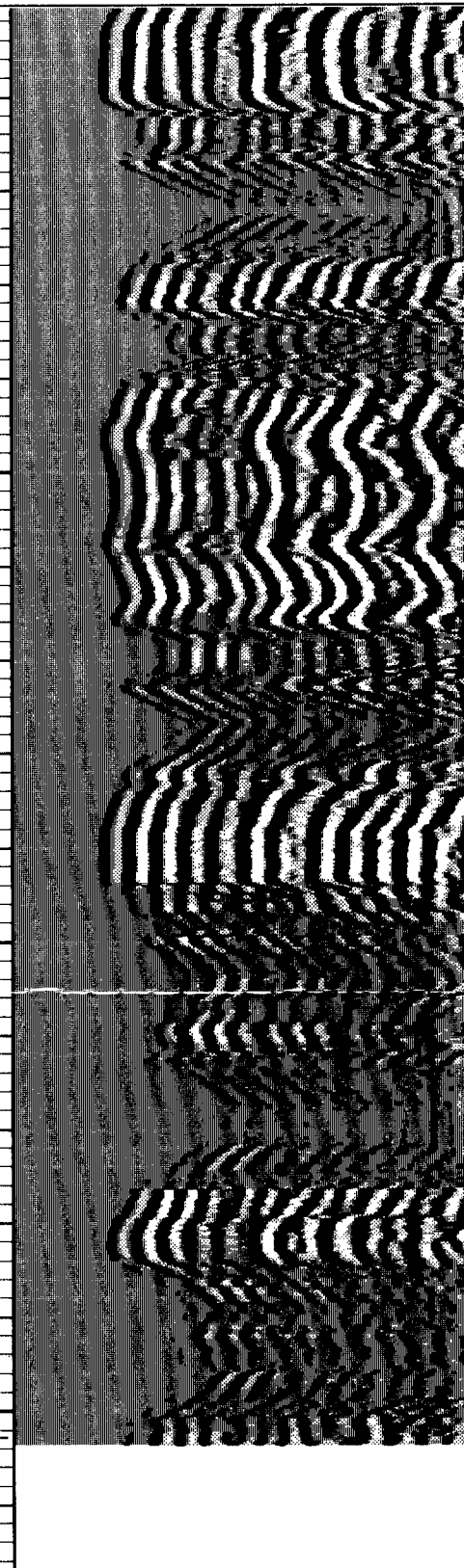
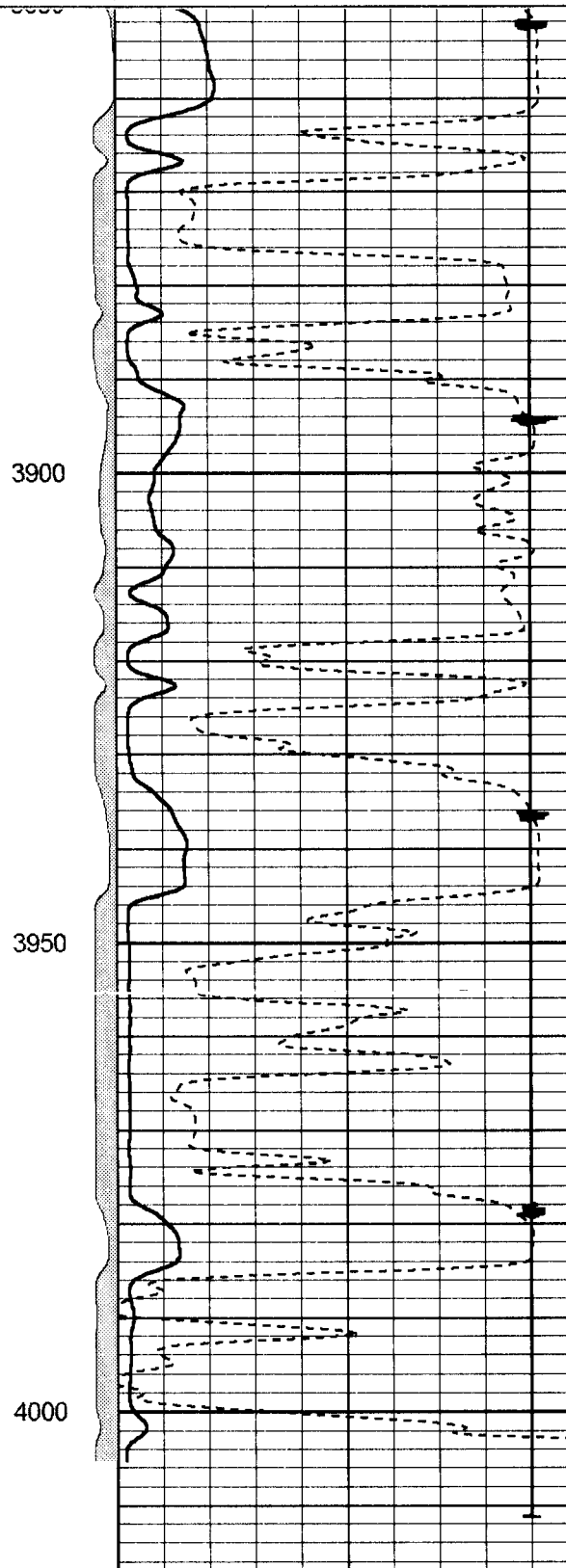
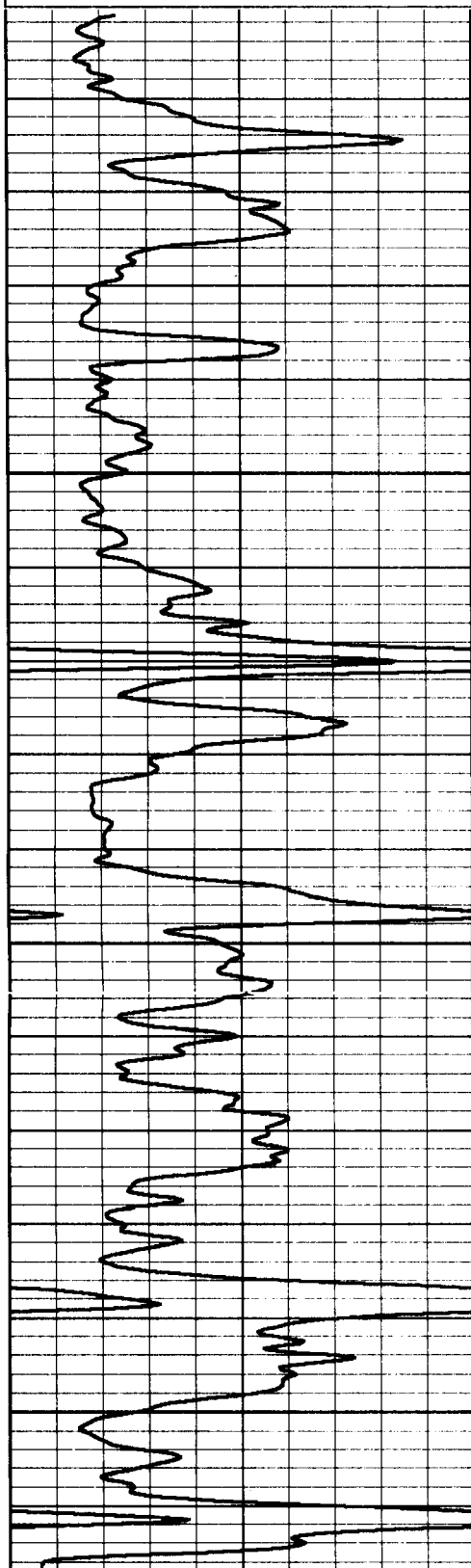
0 Gamma Ray (GAPI) 150

0 3' AMPLITUDE (mV) 100 200

5' Variable Density 1100

775 3' TRAVEL TIME (usec) 275

9 Collar Locator -1



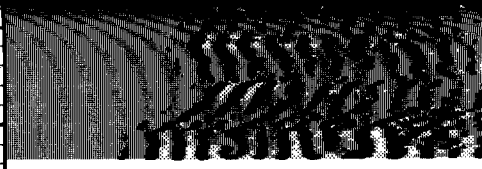
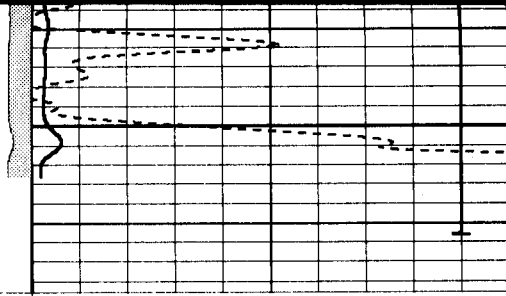
0 Gamma Ray (GAPI) 150

0 3' AMPLITUDE (mV) 100 200

5' Variable Density 1100



4000



0      Gamma Ray (GAPI)      150

0      3' AMPLITUDE (mV)      100      200

5' Variable Density      1100

775      3' TRAVEL TIME (usec)      275

9      Collar Locator      -1

# LOG-TECH



DIGITAL LOG (785) 625-3858

## Microresistivity Log

API No. 15-179-21,283-00-00

Company **Pioneer Oil Company, Inc.**  
 Well **Schamberger No. 1**  
 Field **Freda**  
 County **Sheridan** State **Kansas**

Location **1086' FSL & 1179' FEL**

Sec: **33** Twp: **8 S** Rge: **28 W**

Other Services  
 CDL/CNL  
 DIL/BHCS

Permanent Datum **Ground Level** Elevation **2670**  
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

Elevation  
 K.B. 2675  
 D.F. 2670  
 G.L. 2670

Date	5/23/2012
Run Number	Two
Depth Driller	4065
Depth Logger	4071
Bottom Logged Interval	4070
Top Log Interval	3400
Casing Driller	8.625 @ 220
Casing Logger	220
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4.600
Density / Viscosity	9.4 56
pH / Fluid Loss	10.5 7.2
Source of Sample	Flowline
Rm @ Meas. Temp	.55 @ 77
Rmf @ Meas. Temp	.41 @ 77
Rmc @ Meas. Temp	.74 @ 77
Source of Rmf / Rmc	Charts
Rm @ BHT	.36 @ 117
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	117
Equipment Number	17
Location	Hays
Recorded By	D. Martin
Witnessed By	Kurt Talbott

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

### Comments

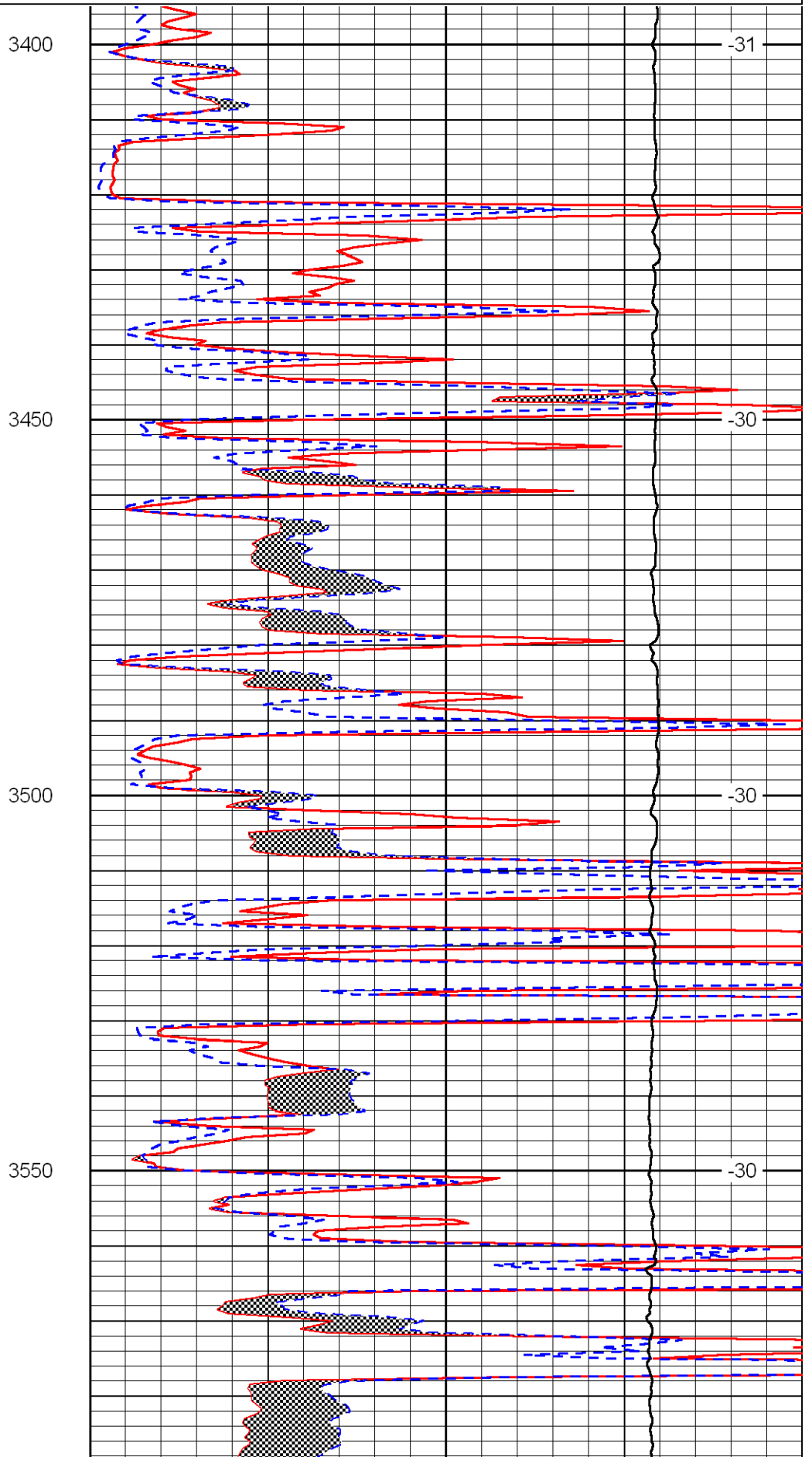
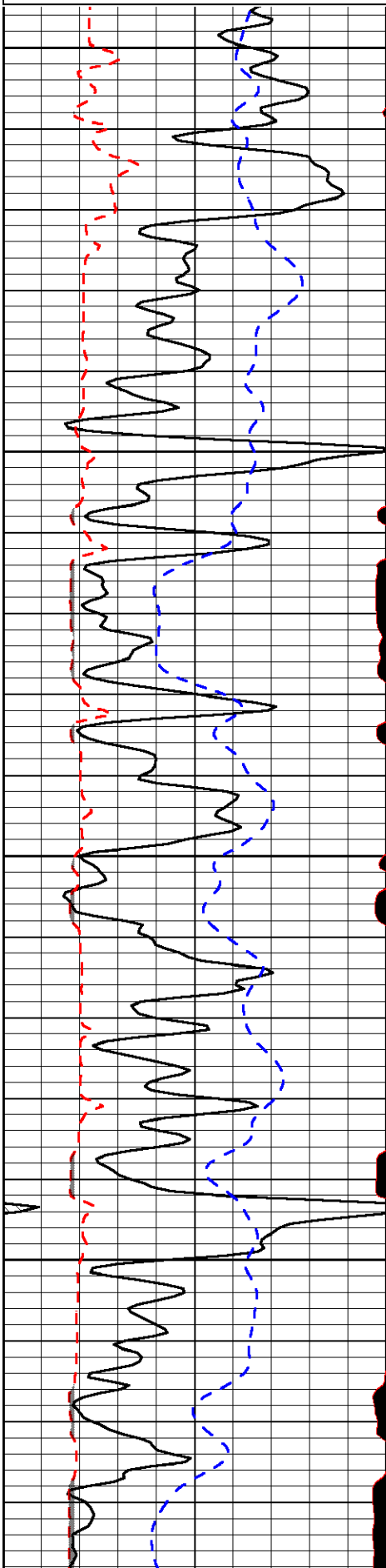
Thank you for using Log-Tech, Inc.  
 (785) 625-3858

Hoxie, KS  
 3 S, 1/10 W, N Into

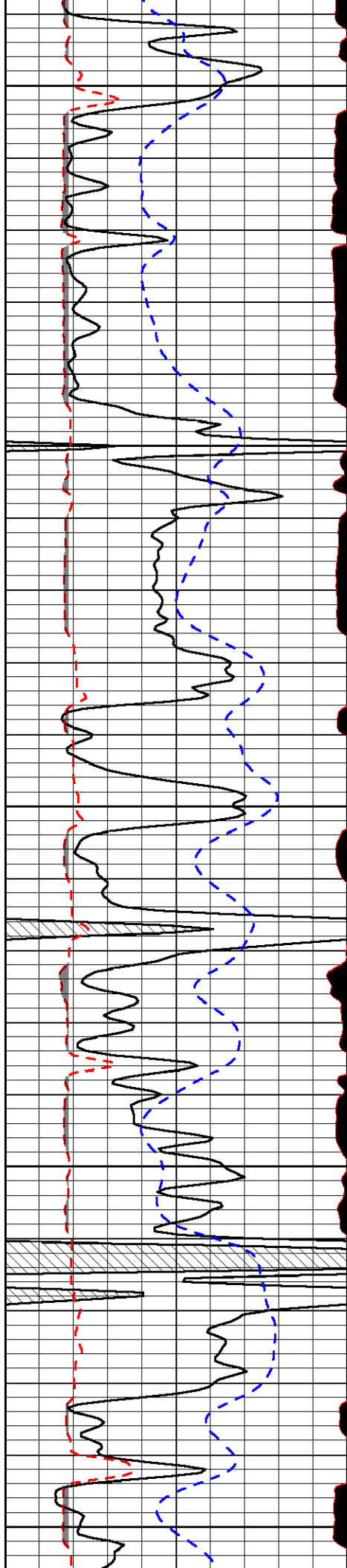
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 Charted by: Depth in Feet scaled 1:240

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6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
10000	Line Weight	0
		LSPD







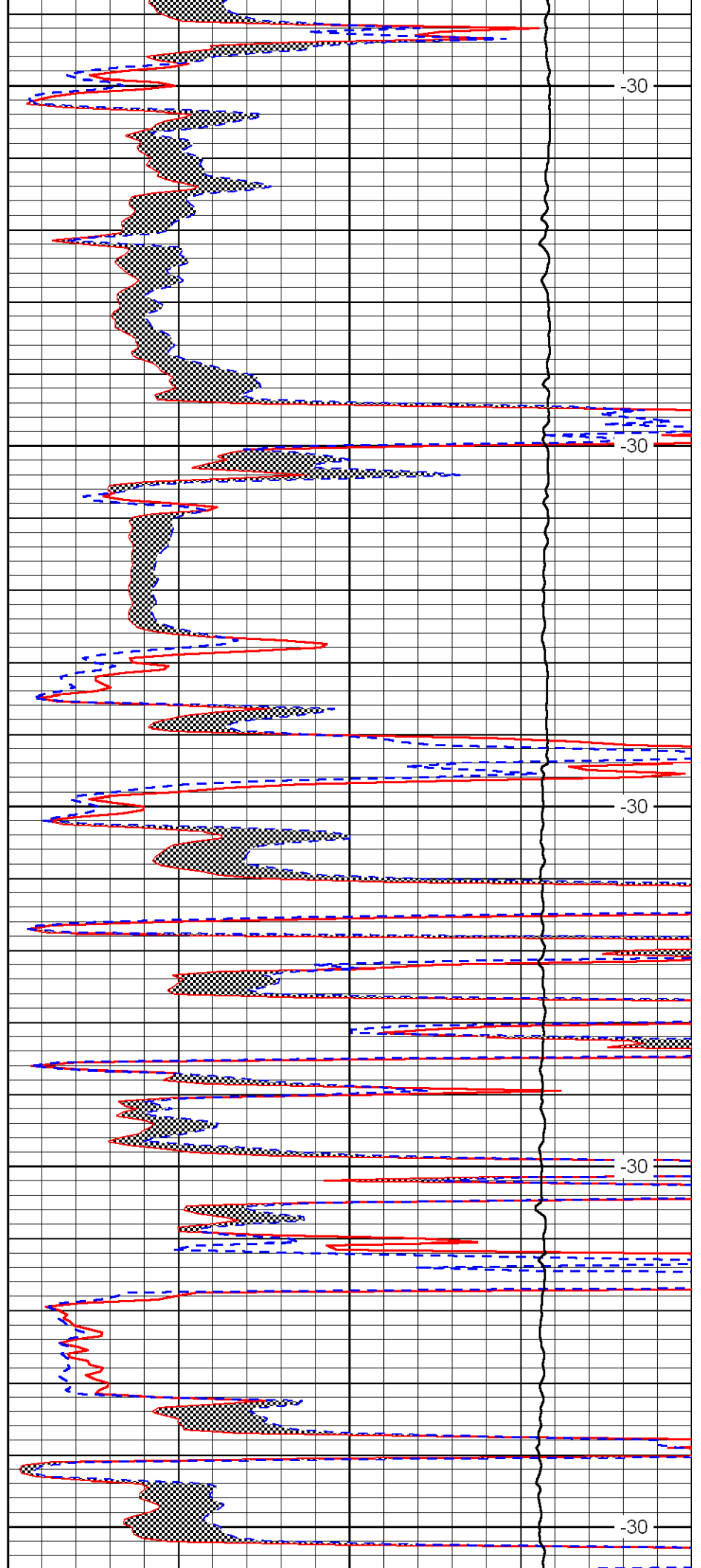
3600

3650

3700

3750

3800



-30

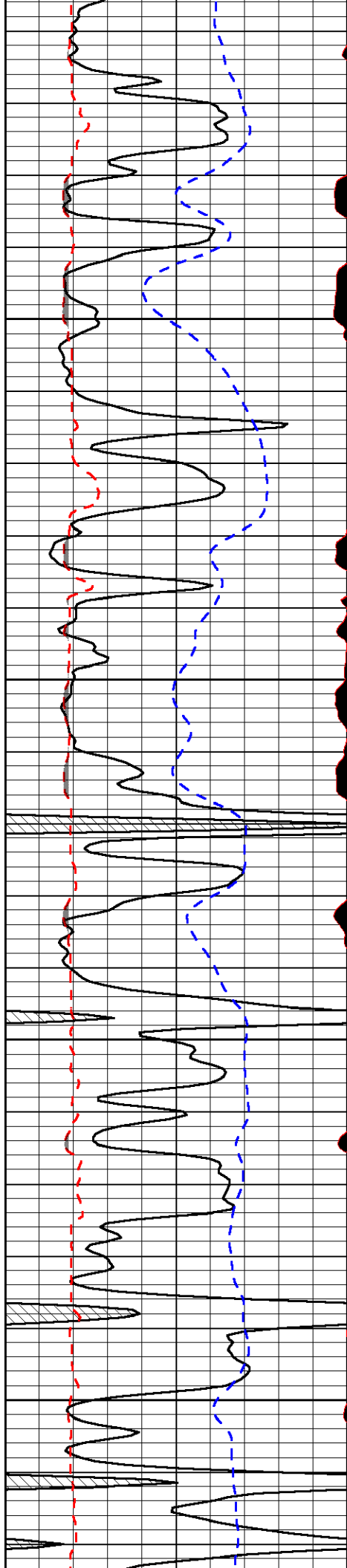
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-30

-30

-30



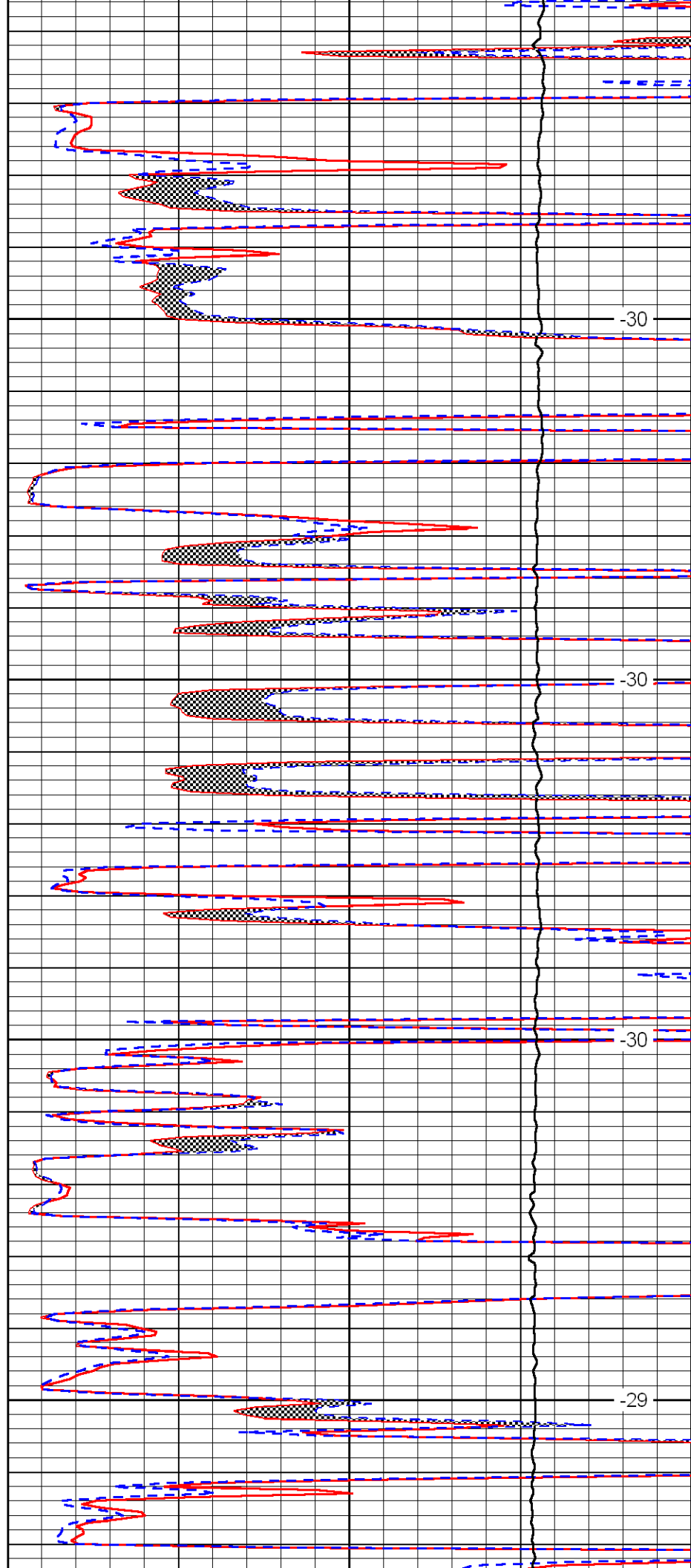


3850

3900

3950

4000

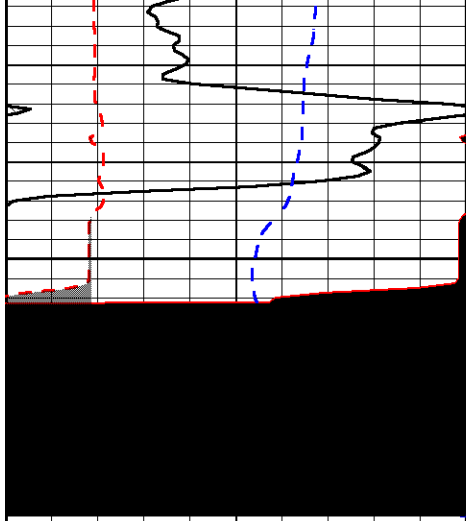


-30

-30

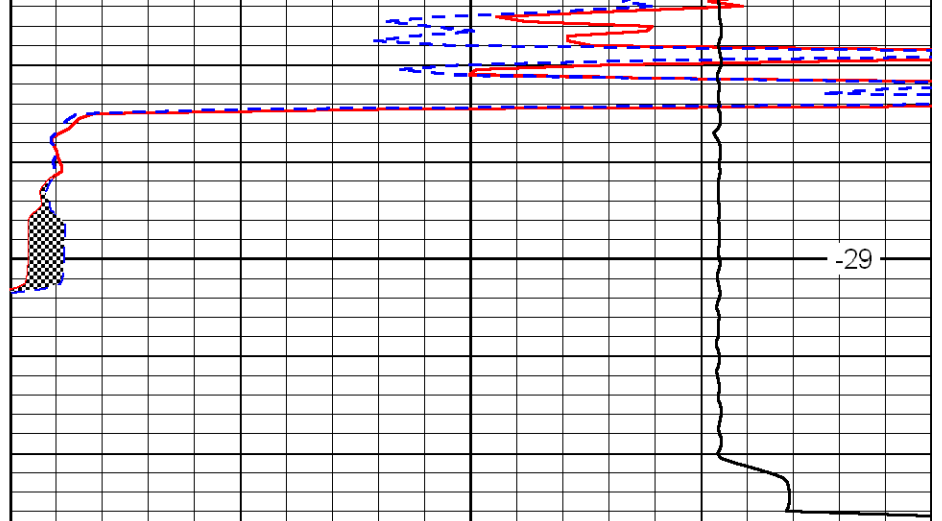
-30

-29



0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP	0

4050



0	Micro Inverse 1 X 1	40
0	Micro Normal 2''	40
10000	Line Weight	0

LSPD

-29

# LOG-TECH



DIGITAL LOG (785) 625-3858

## Dual Compensated Porosity Log

API No. 15-179-21,283-00-00

Company **Pioneer Oil Company, Inc.**  
 Well **Schamberger No. 1**  
 Field **Freda**  
 County **Sheridan** State **Kansas**

Location **1086' FSL & 1179' FEL**

Sec: **33** Twp: **8 S** Rge: **28 W**

Other Services  
 DIL  
 MEL/BHCS

Permanent Datum **Ground Level** Elevation **2670**  
 Log Measured From **Kelly Bushing** 5 Ft. Above Perm. Datum  
 Drilling Measured From **Kelly Bushing**

K.B. 2675  
 D.F. 2670  
 G.L. 2670

Date	5/23/2012	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4065	
Depth Logger	4071	
Bottom Logged Interval	4050	
Top Logged Interval	3400	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	4,600	
Density	9.4	
Level	Full	
Max. Rec. Temp. F	117	
Operating Rig Time	4 1/2 Hours	
Equipment -- Location	17 Hays	
Recorded By	D. Martin	
Witnessed By	Kurt Talbot	

Borehole Record		Casing Record				
Run No	Bit From	To	Size	Wgt. 23#	From	To
One	12.25	00	8.625	23#	00	220
Two	7.875	220	TD			

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

Comments

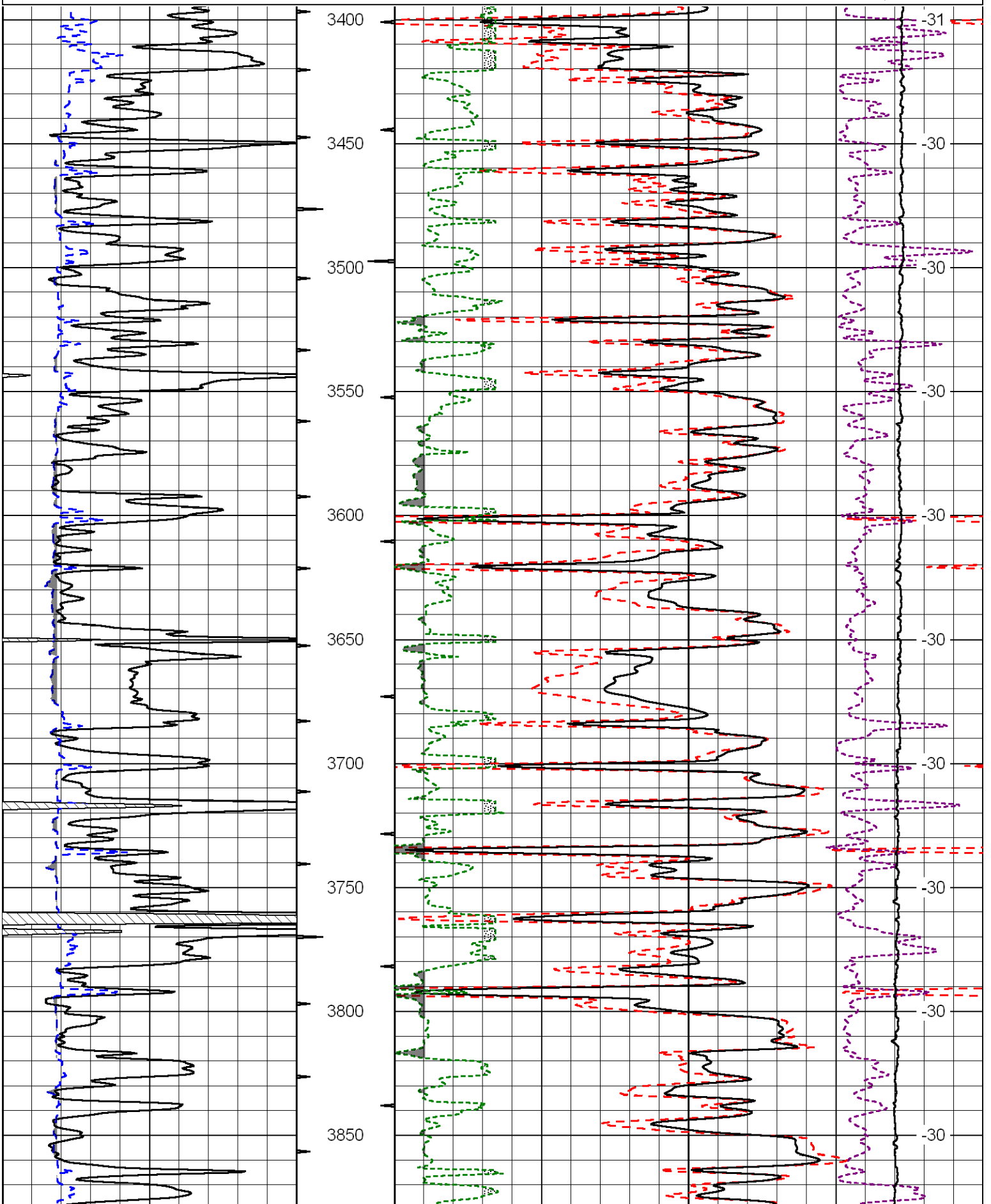
Thank you for using Log-Tech, Inc.  
 (785) 625-3858

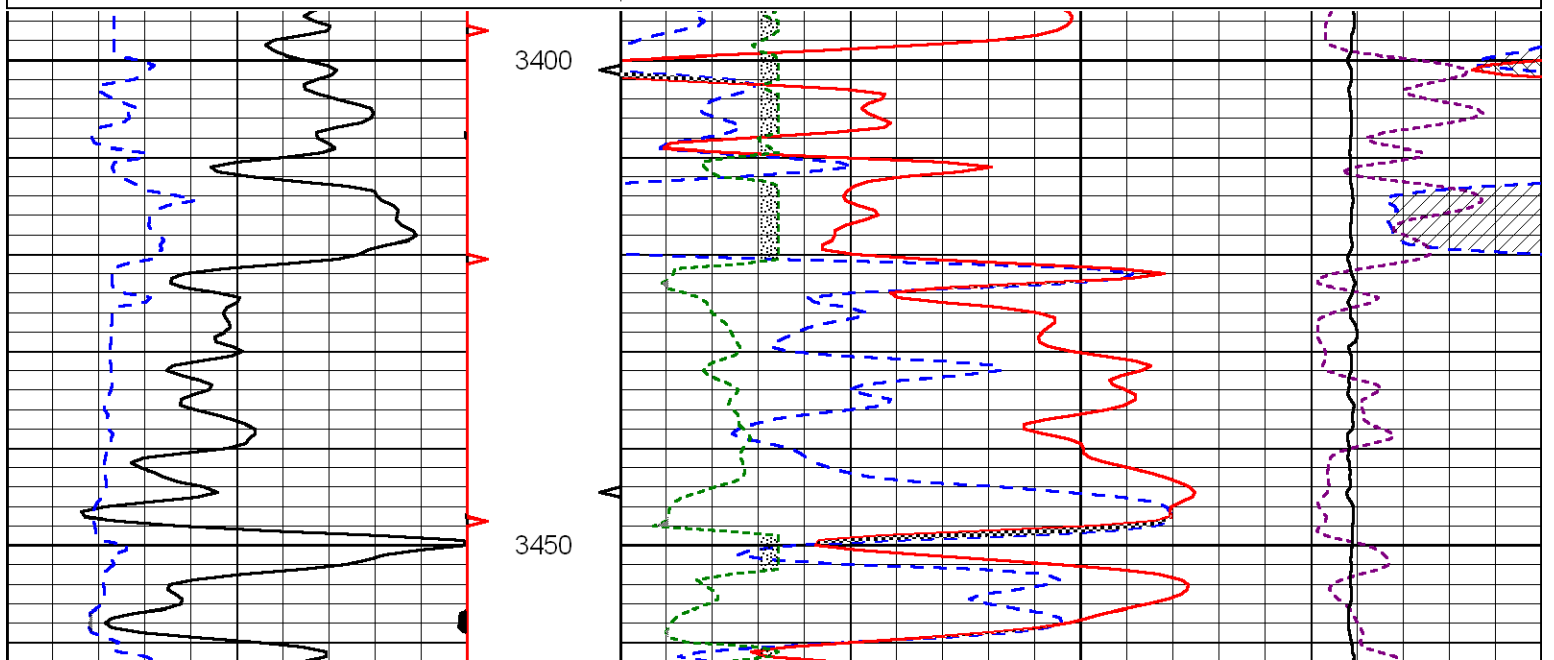
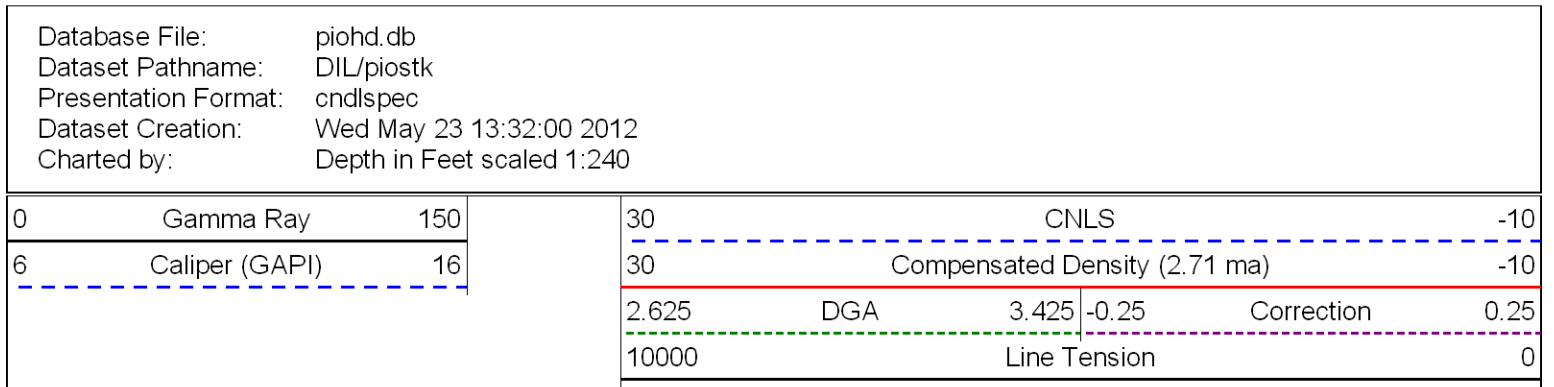
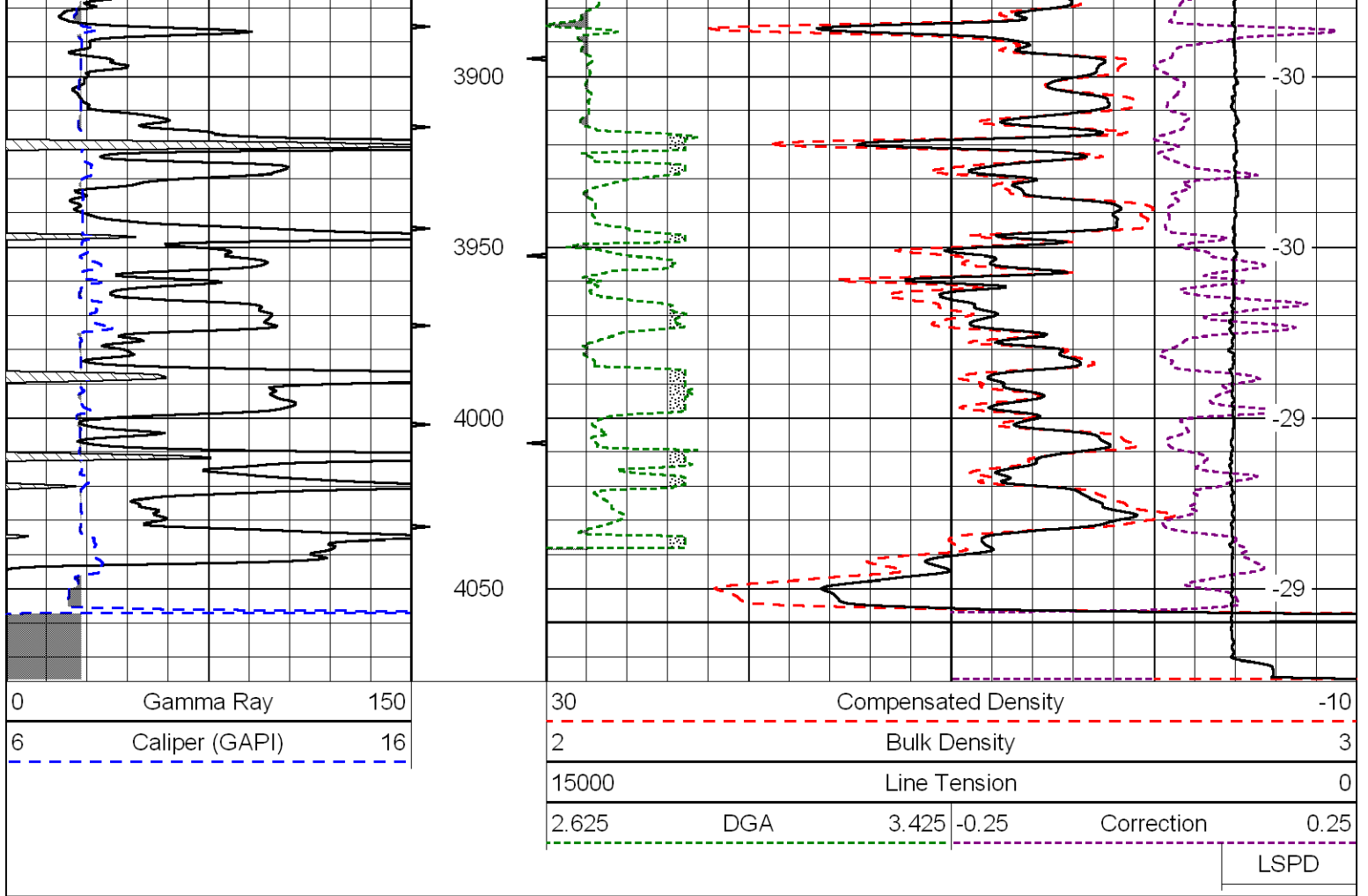
Hoxie, KS  
 3 S, 1/10 W, N Into

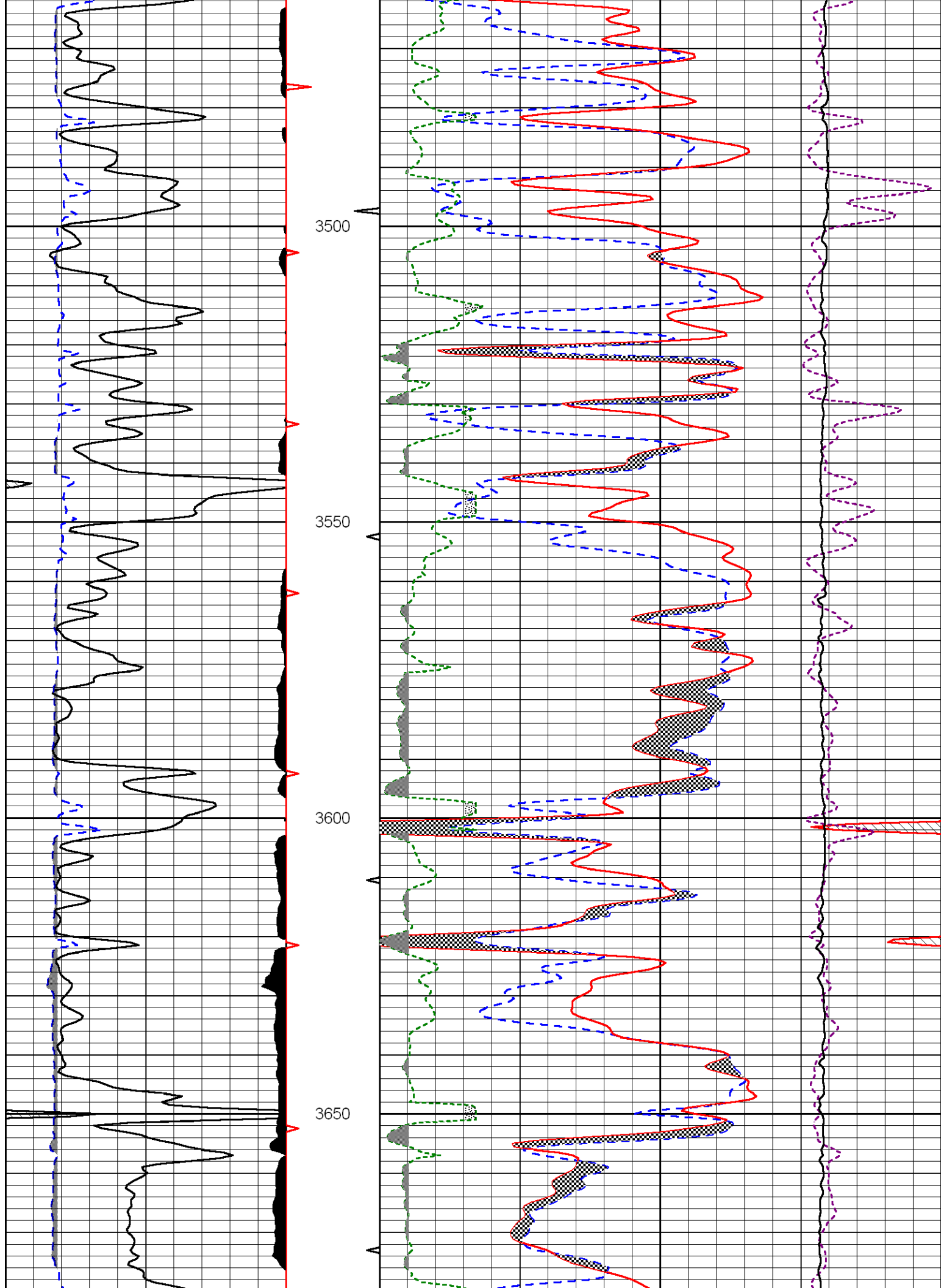
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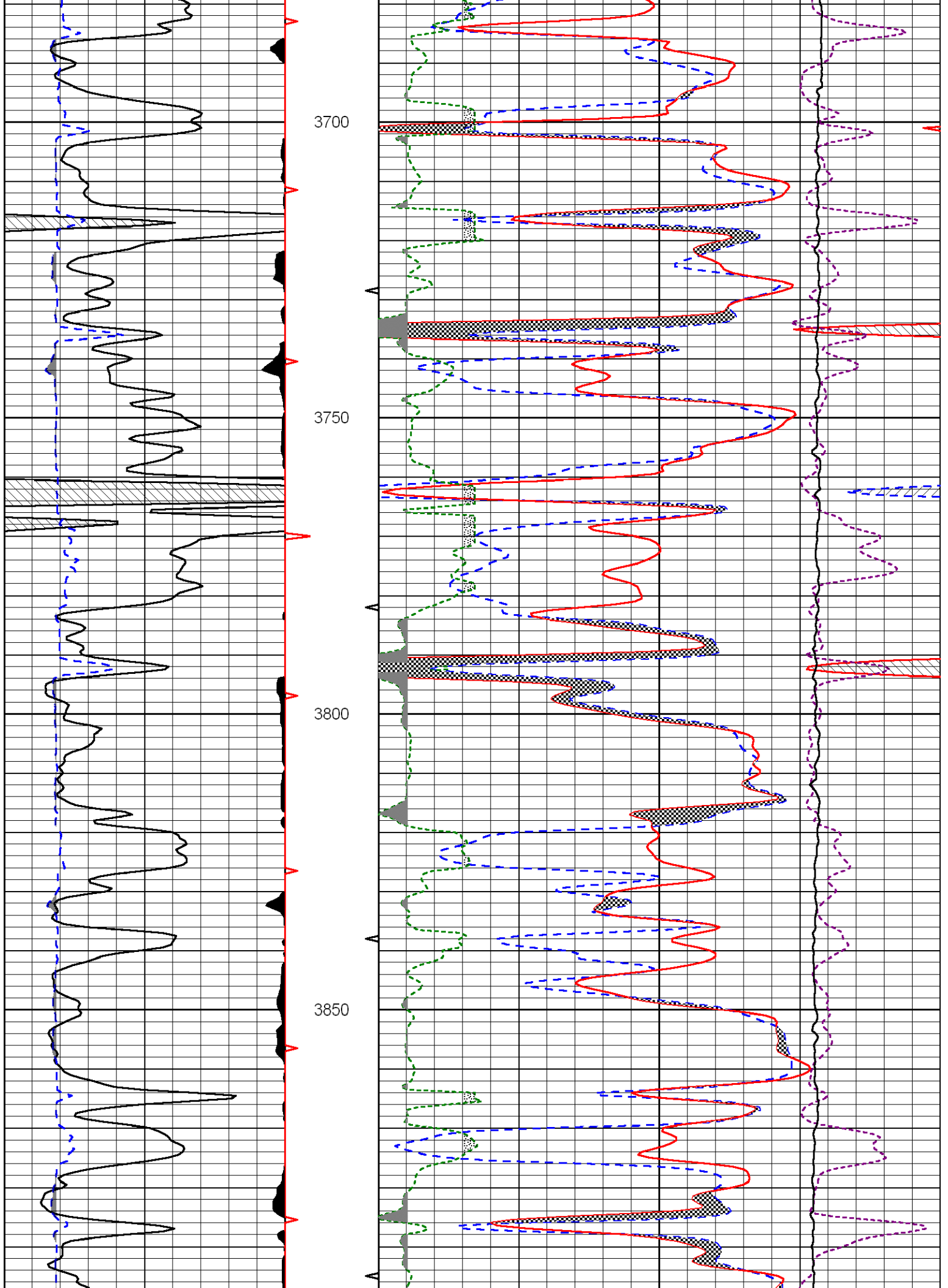
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6	Caliper (GAPI)	16

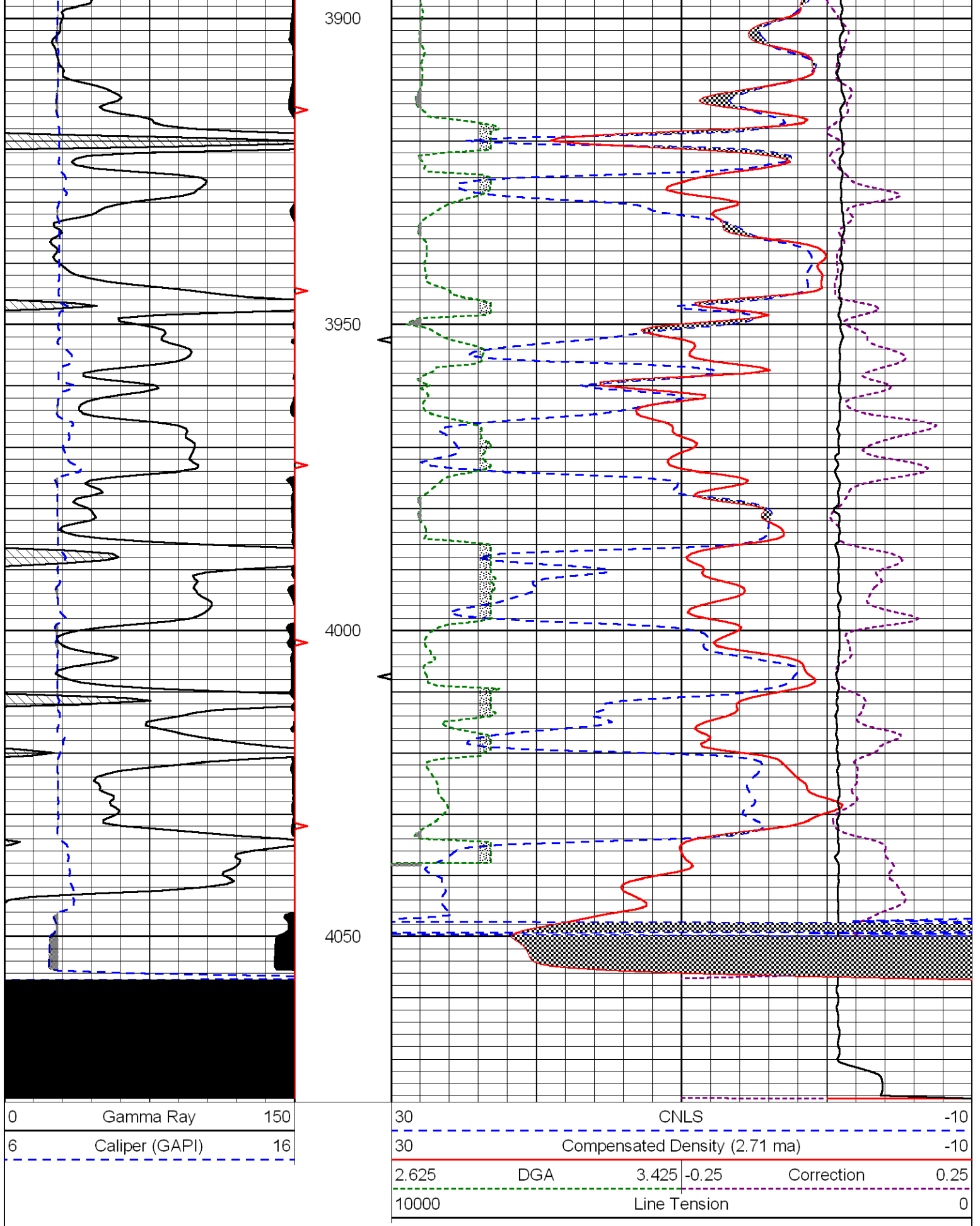
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			











0	Gamma Ray	150
6	Caliper (GAPI)	16

30	CNLS			-10	
30	Compensated Density (2.71 ma)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension			0	



# LOG-TECH



DIGITAL LOG (785) 625-3858

## Dual Induction Log

API No.	15-179-21,283-00-00	
Company	Pioneer Oil Company, Inc.	
Well	Schamberger No. 1	
Field	Freda	
County	Sheridan	State
		Kansas
Location	1086' FSL & 1179' FEL	
Sec: 33	Twp: 8 S	Rge: 28 W
Permanent Datum	Ground Level	Elevation 2670
Log Measured From	Kelly Bushing	5 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CDL/CNL MEL/BHCS
		Elevation K.B. 2675 D.F. 2670 G.L. 2670

Date	5/23/2012
Run Number	One
Depth Driller	4065
Depth Logger	4071
Bottom Logged Interval	4070
Top Log Interval	200
Casing Driller	8.625 @ 220
Casing Logger	220
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	4.600
Density / Viscosity	9.4 56
pH / Fluid Loss	10.5 7.2
Source of Sample	Flowline
Rm @ Meas. Temp	.55 @ 77
Rmf @ Meas. Temp	.41 @ 77
Rmc @ Meas. Temp	.74 @ 77
Source of Rmf / Rmc	Charts
Rm @ BHT	.36 @ 117
Operating Rig Time	4 1/2 Hours
Max Rec. Temp. F	117
Equipment Number	17
Location	Hays
Recorded By	D. Martin
Witnessed By	Kurt Talbott

<<< Fold Here >>>

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

### Comments

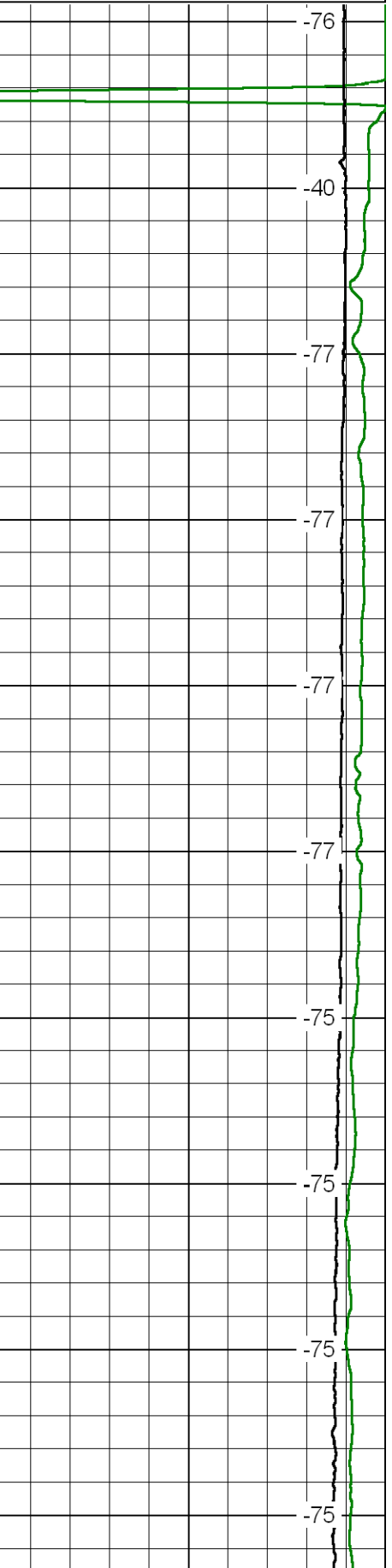
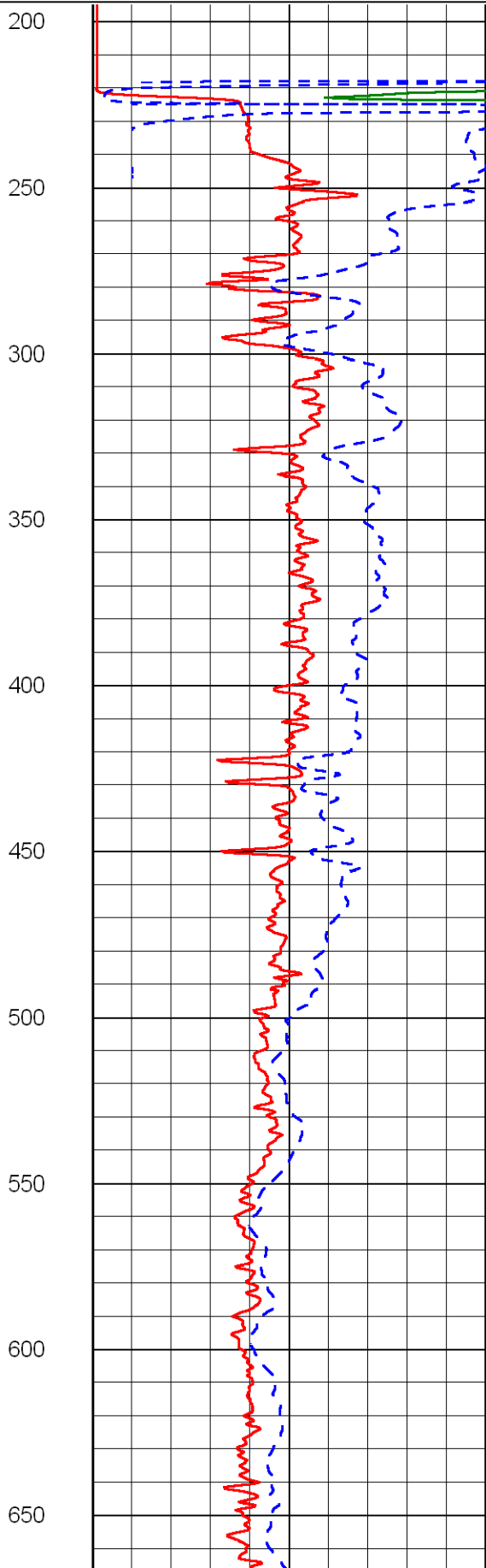
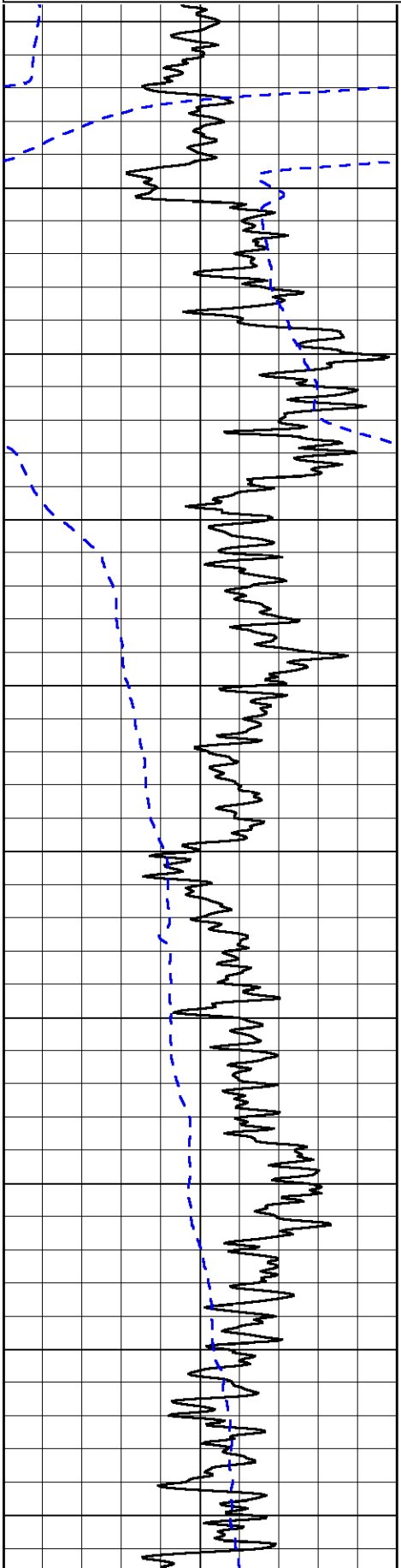
Thank you for using Log-Tech, Inc.  
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 Hoxie, KS  
 3 S, 1/10 W, N Into

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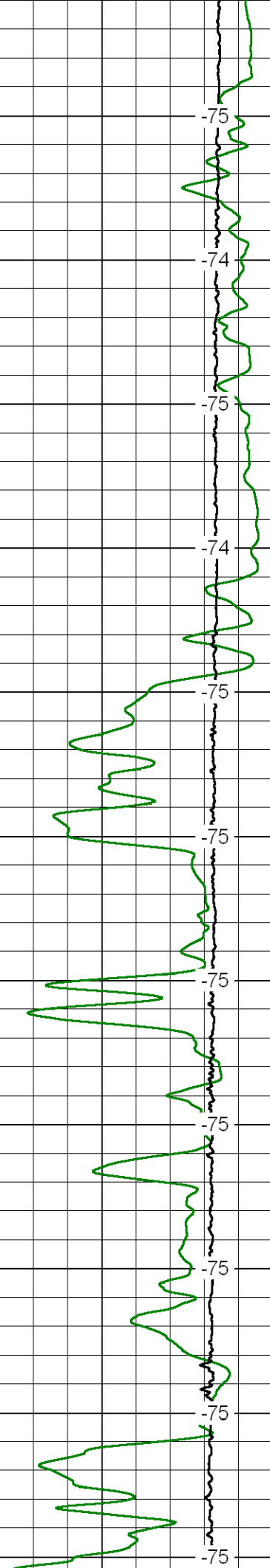
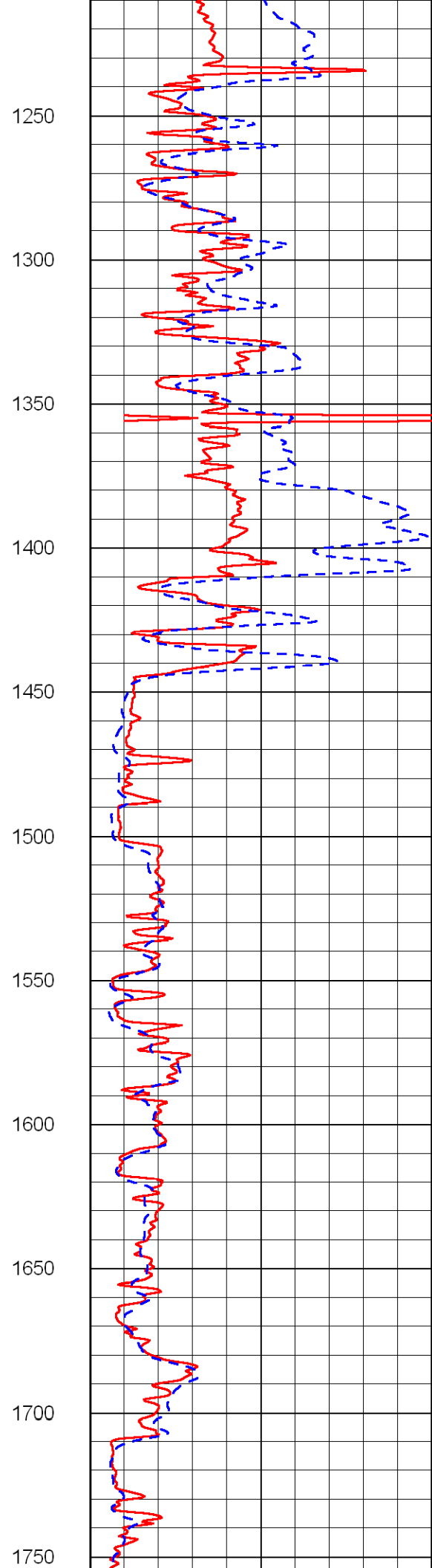
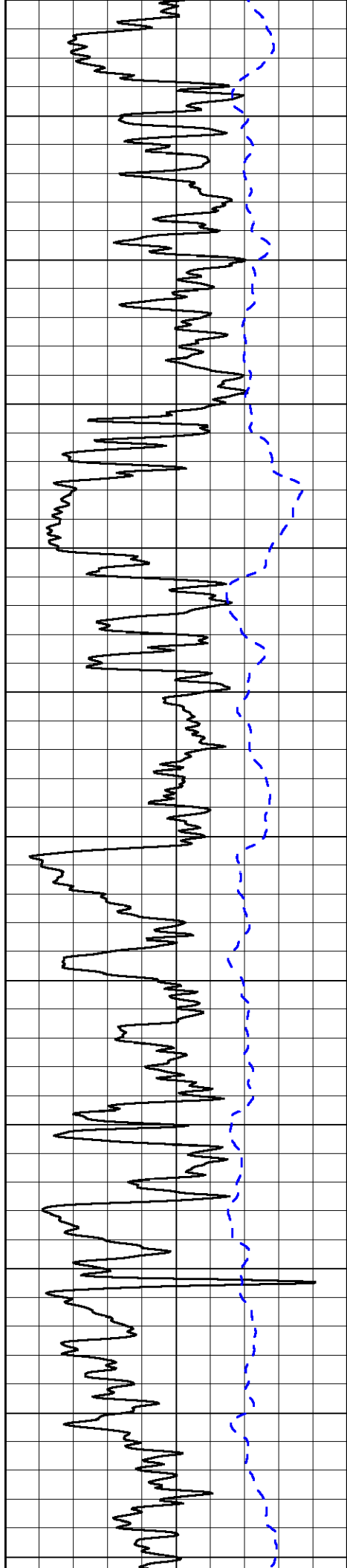
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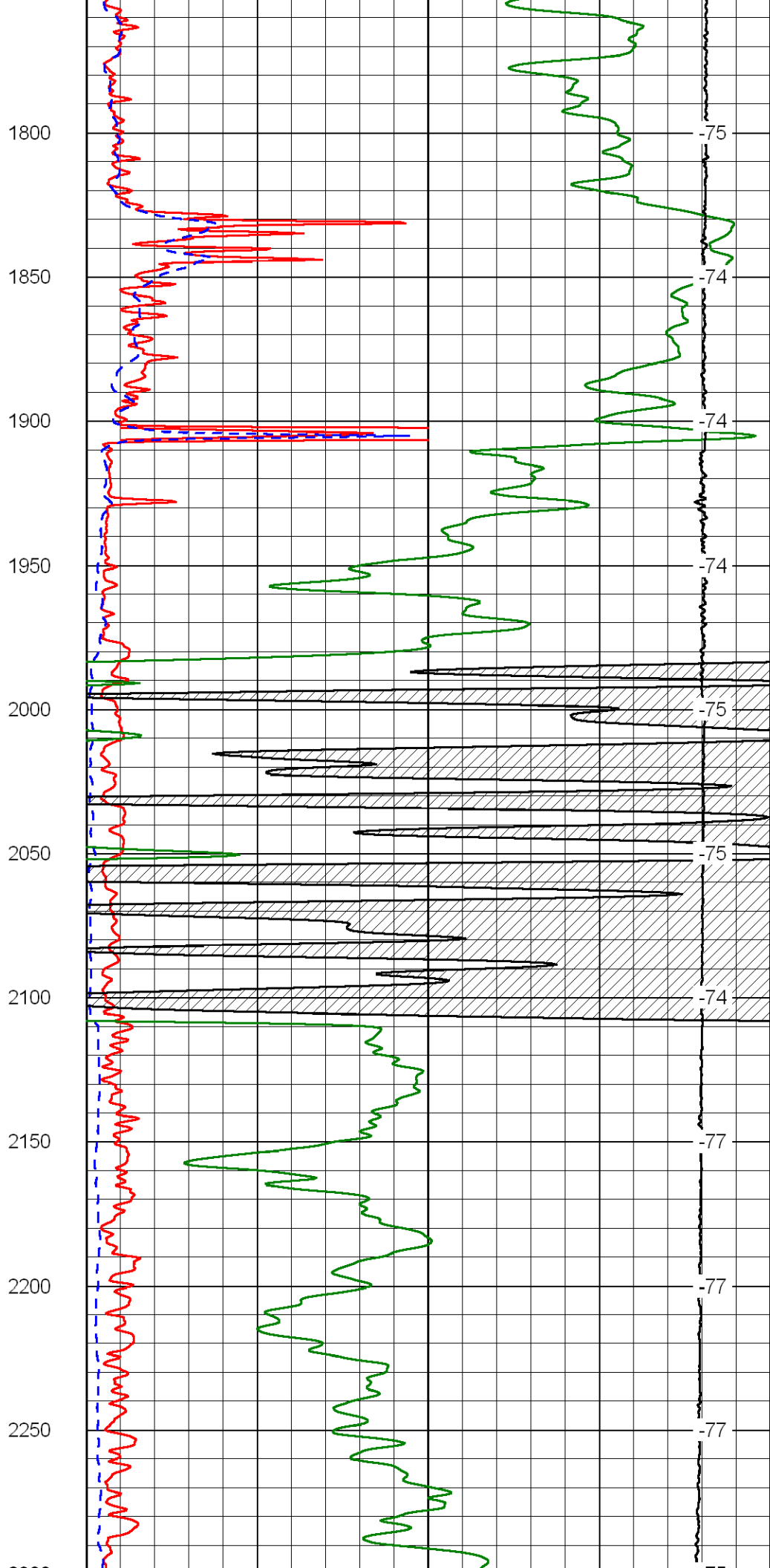
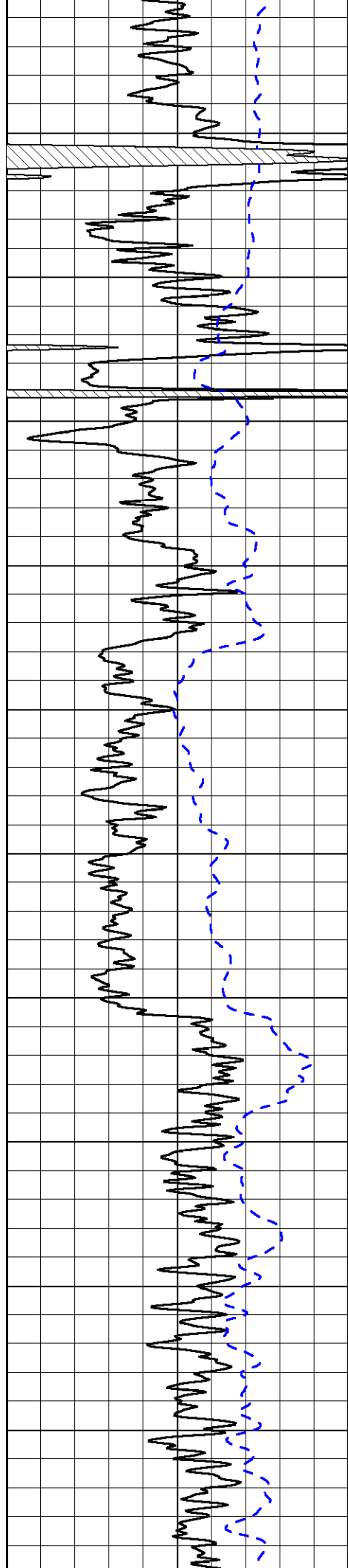
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0	Deep Resistivity	50
1000	Conductivity	0
15000	Line Tension	0

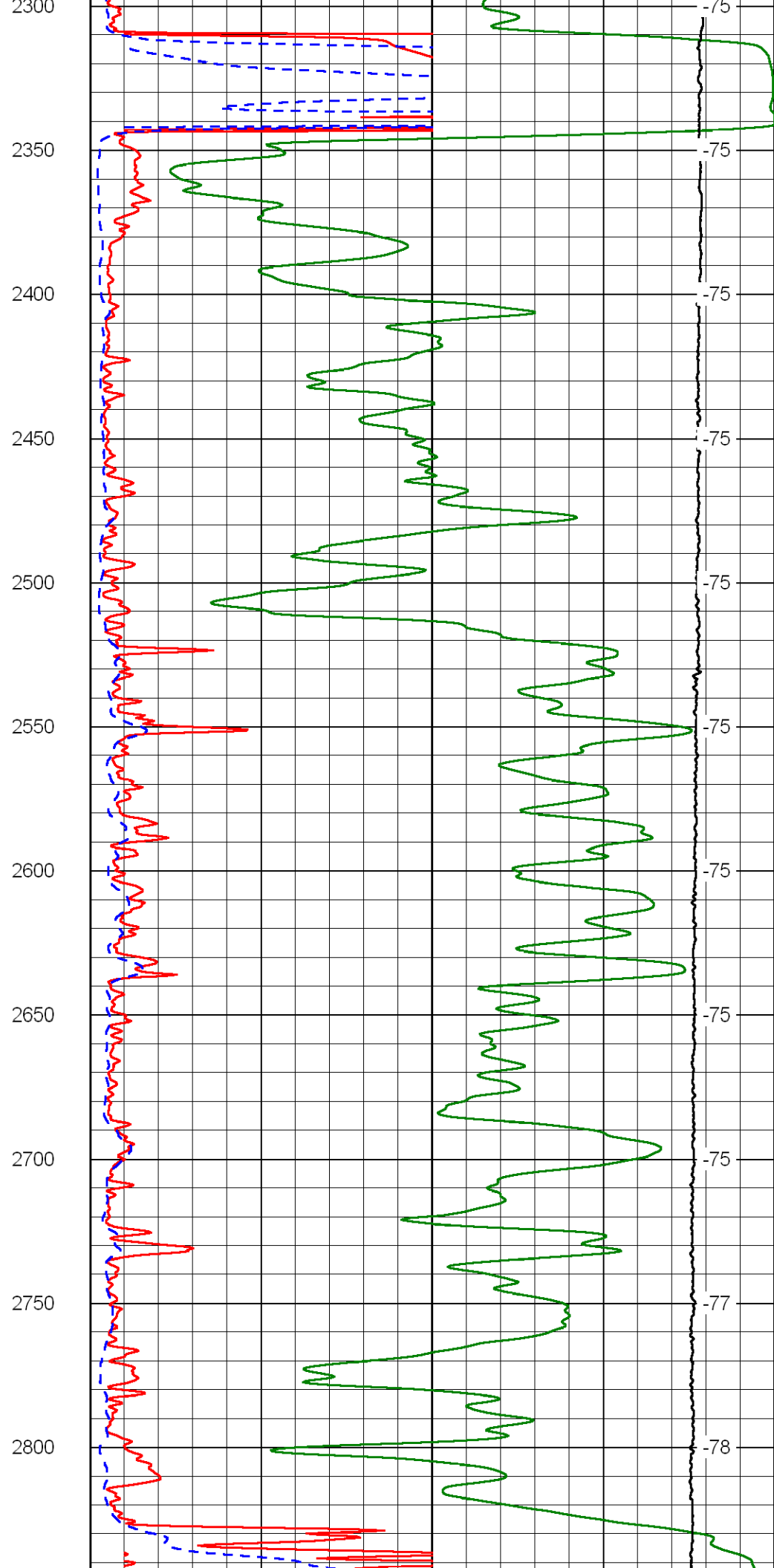
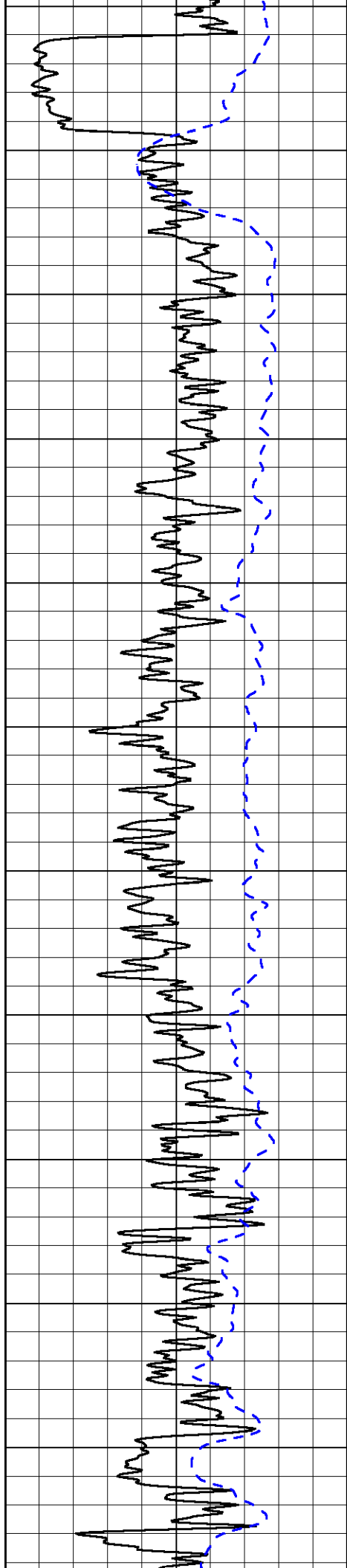
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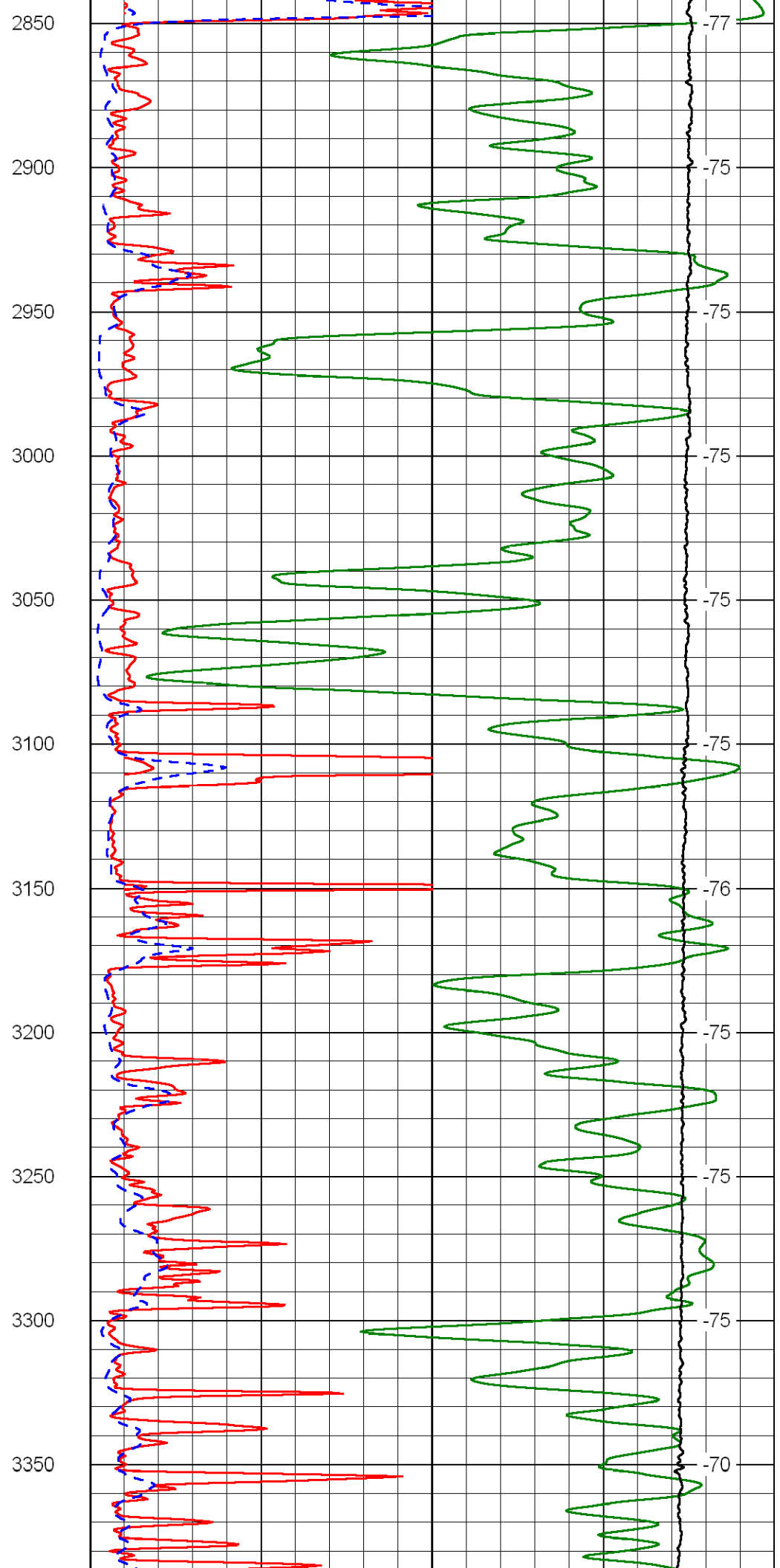
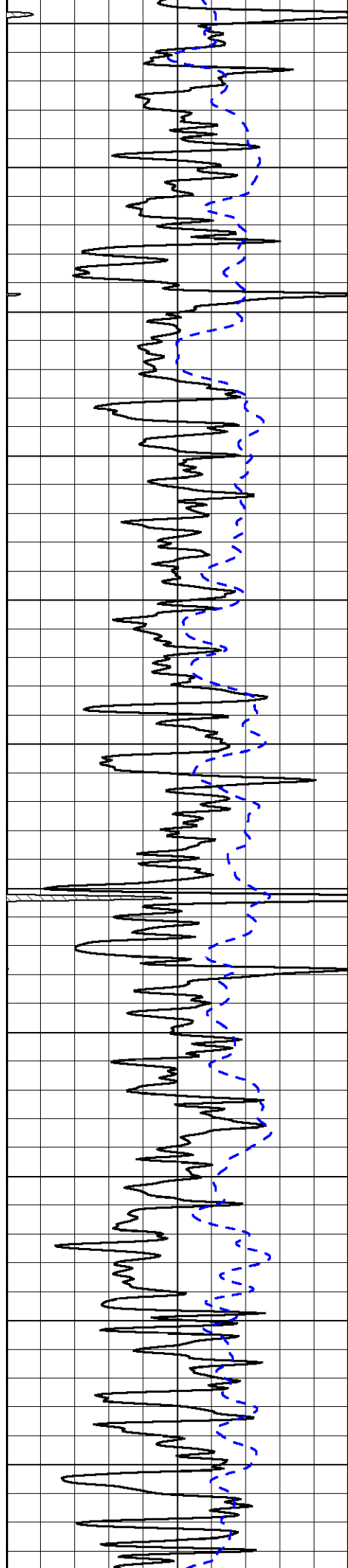


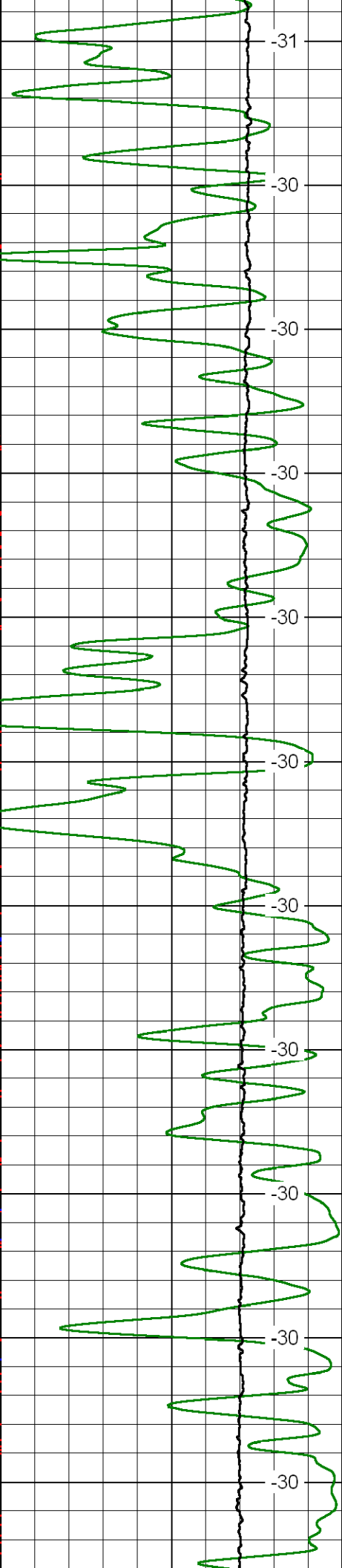
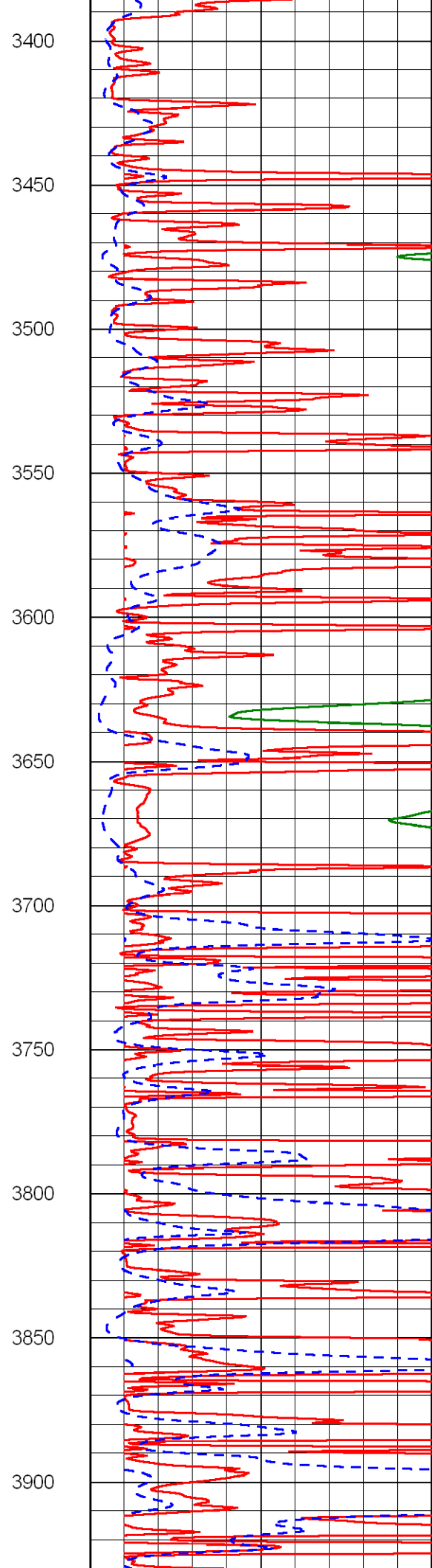
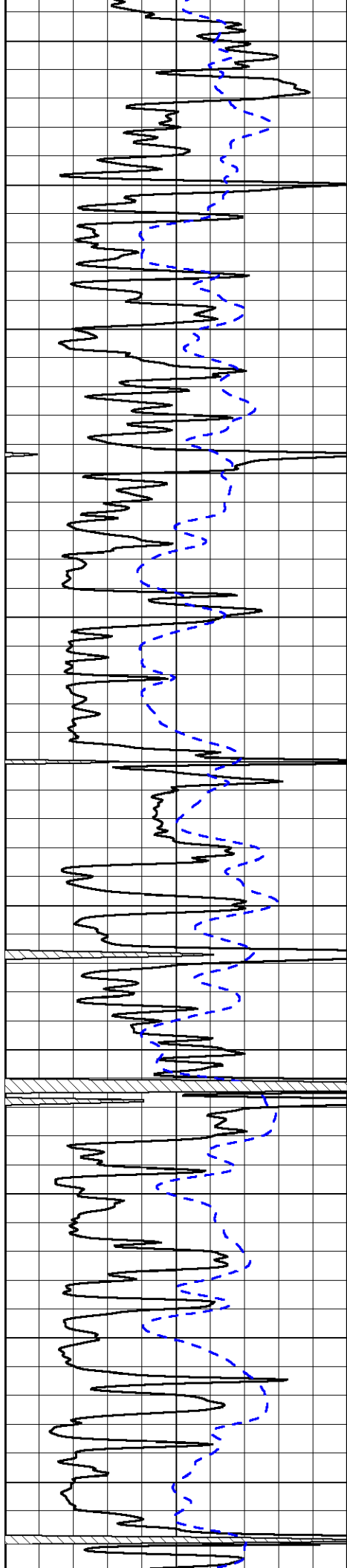




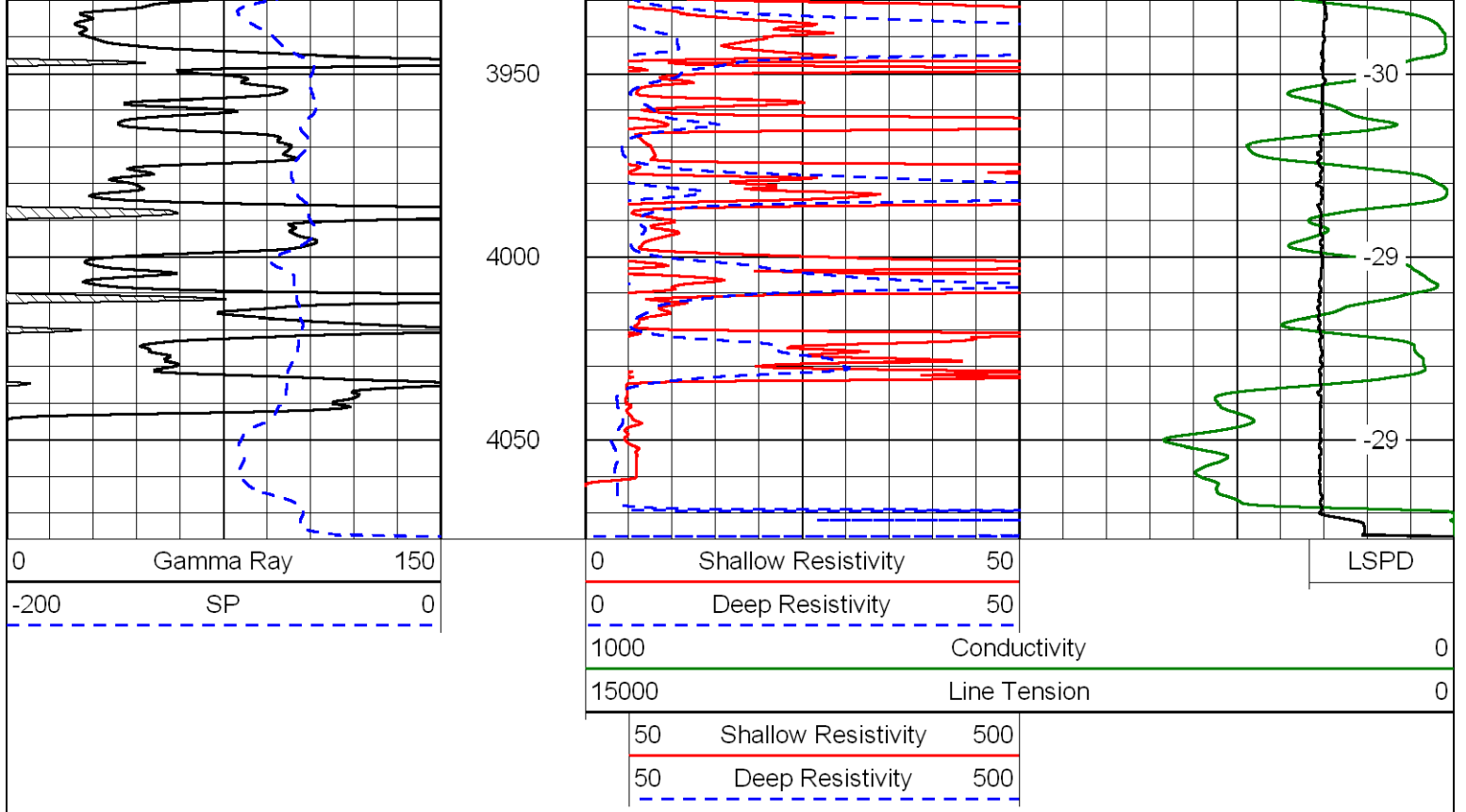




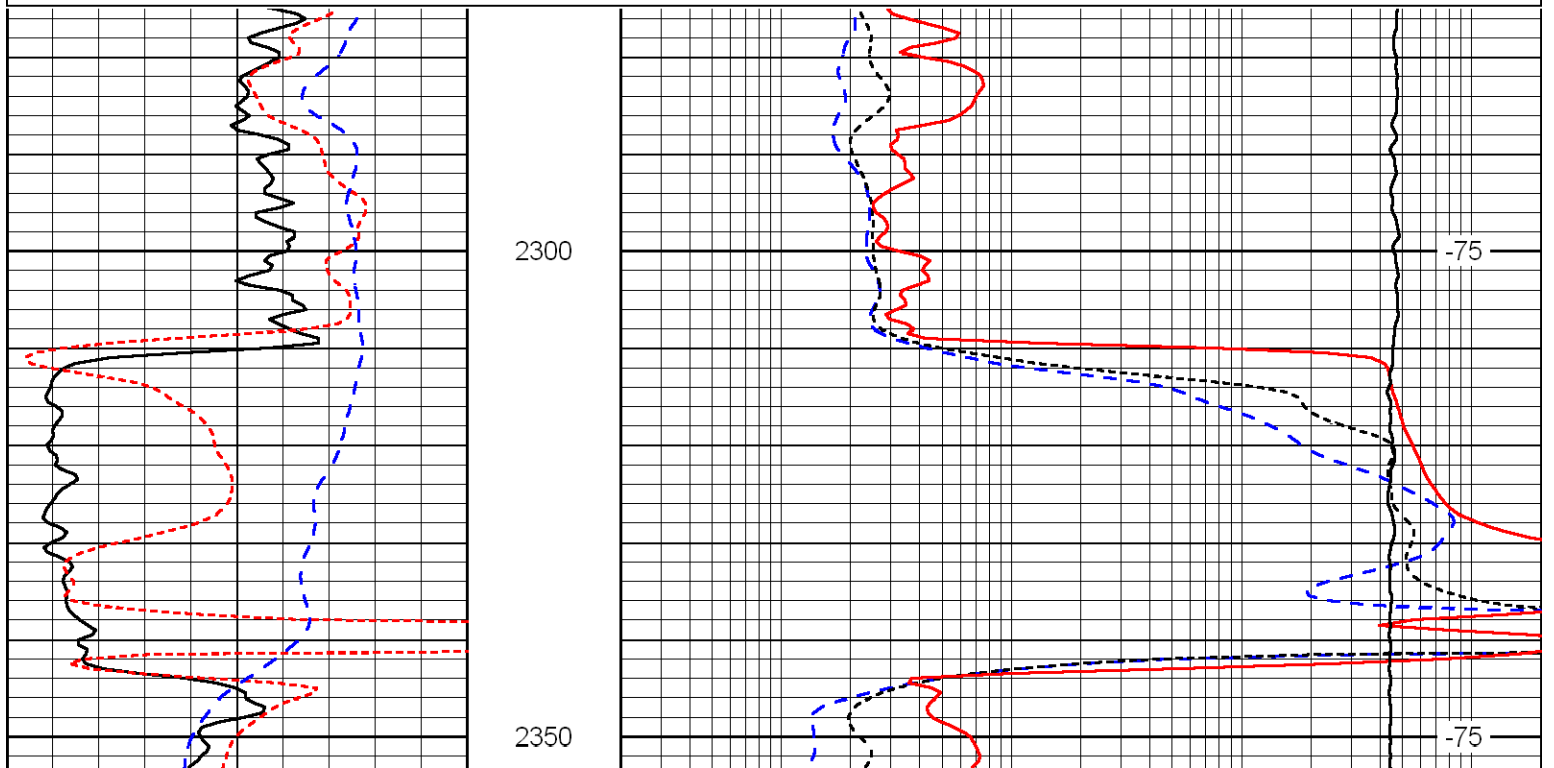
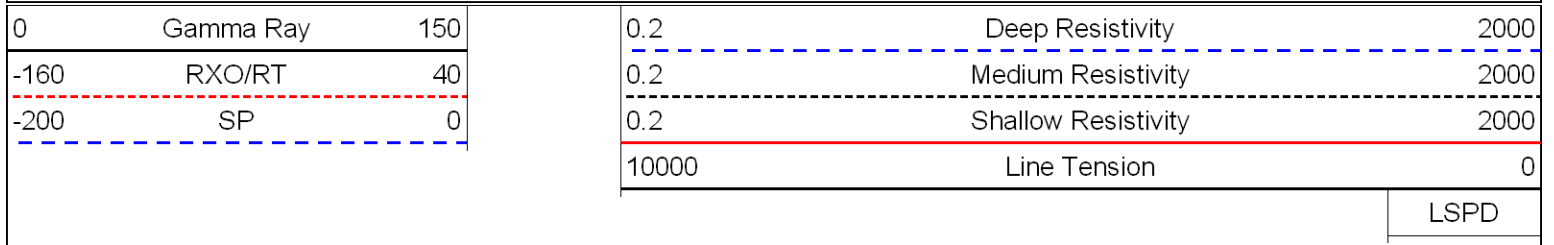


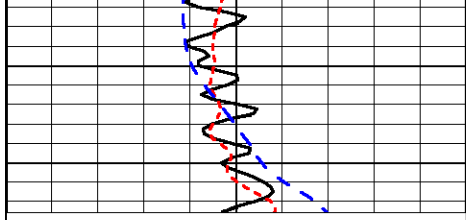




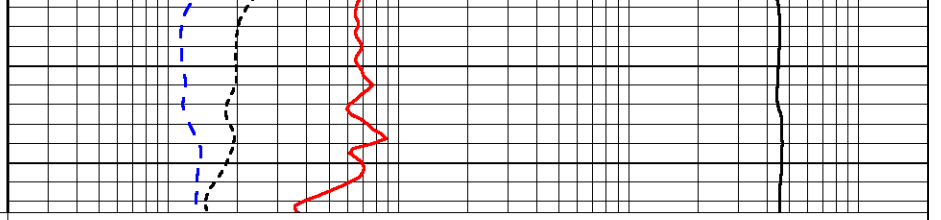


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 Presentation Format: dil  
 Dataset Creation: Wed May 23 13:32:00 2012  
 Charted by: Depth in Feet scaled 1:240





0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

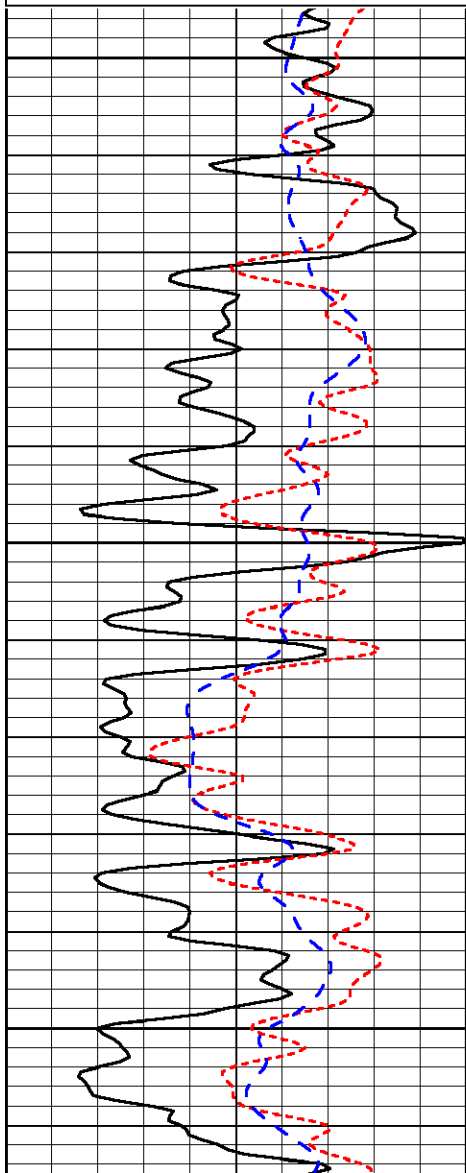
LSPD

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 Dataset Pathname: DIL/piostk  
 Presentation Format: dil  
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 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

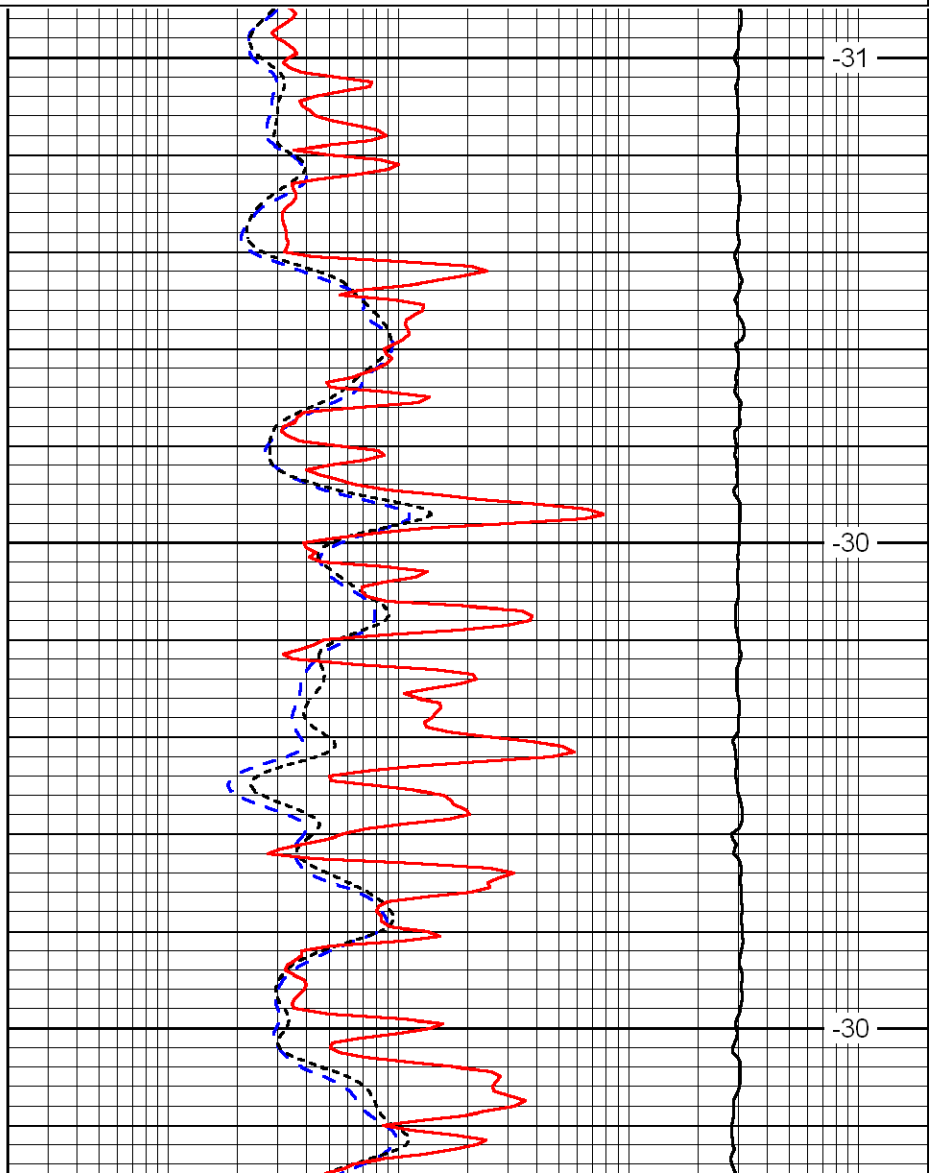
LSPD



3400

3450

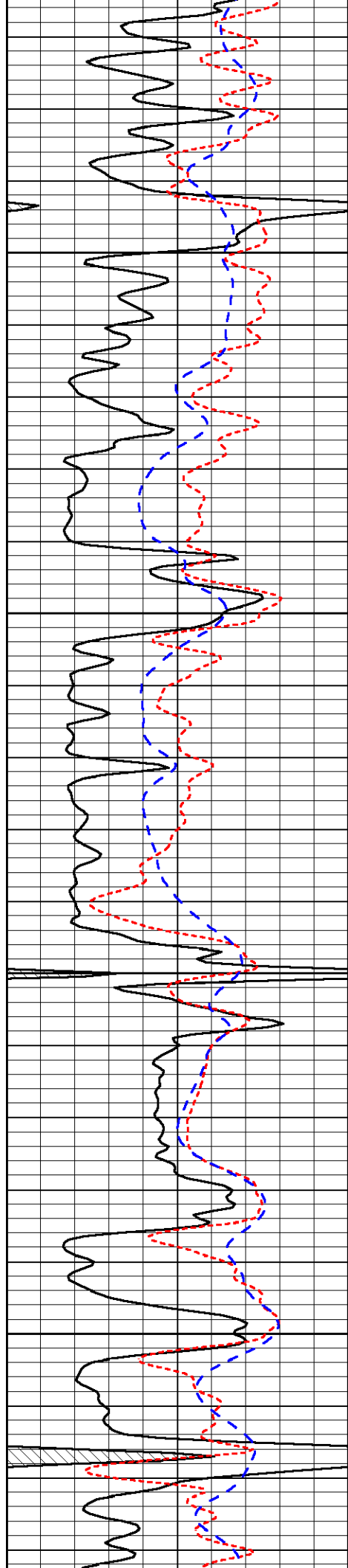
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-31

-30

-30

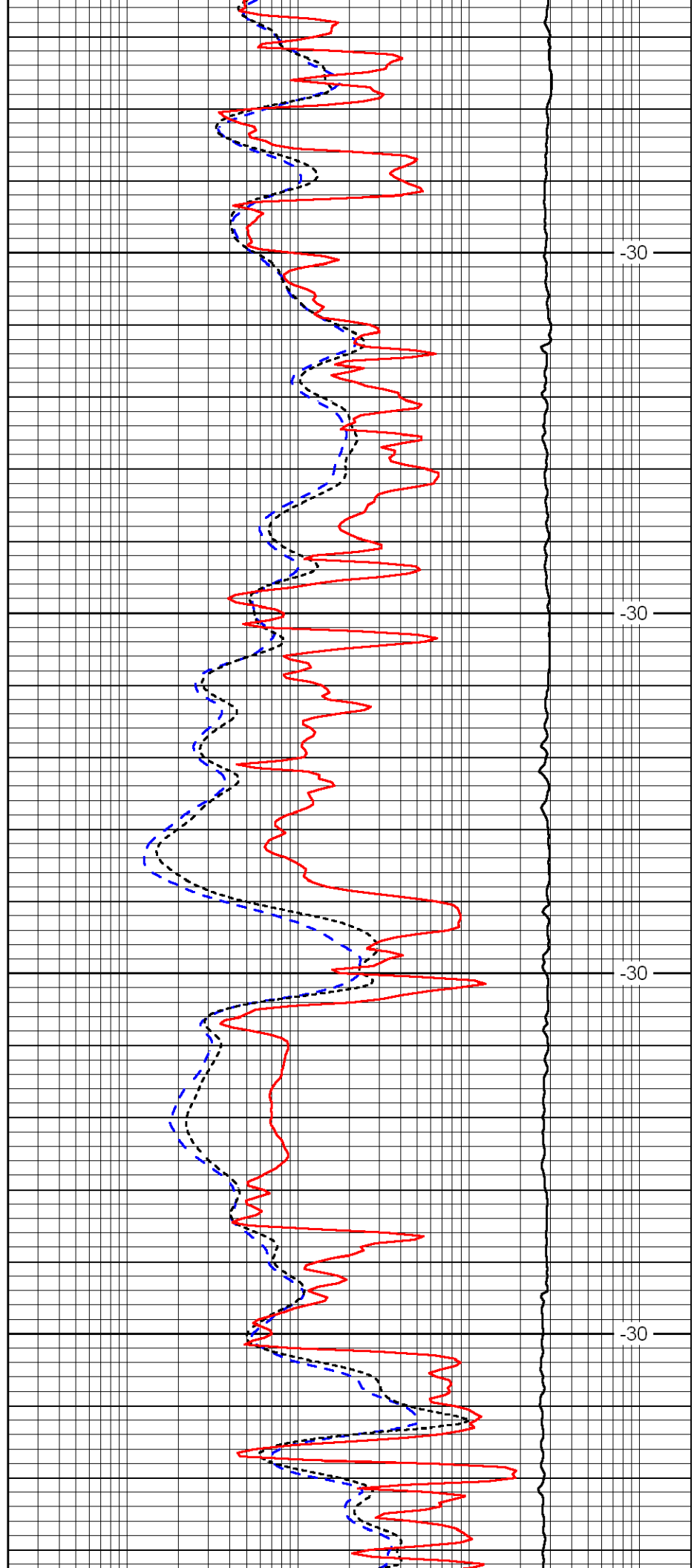


3550

3600

3650

3700

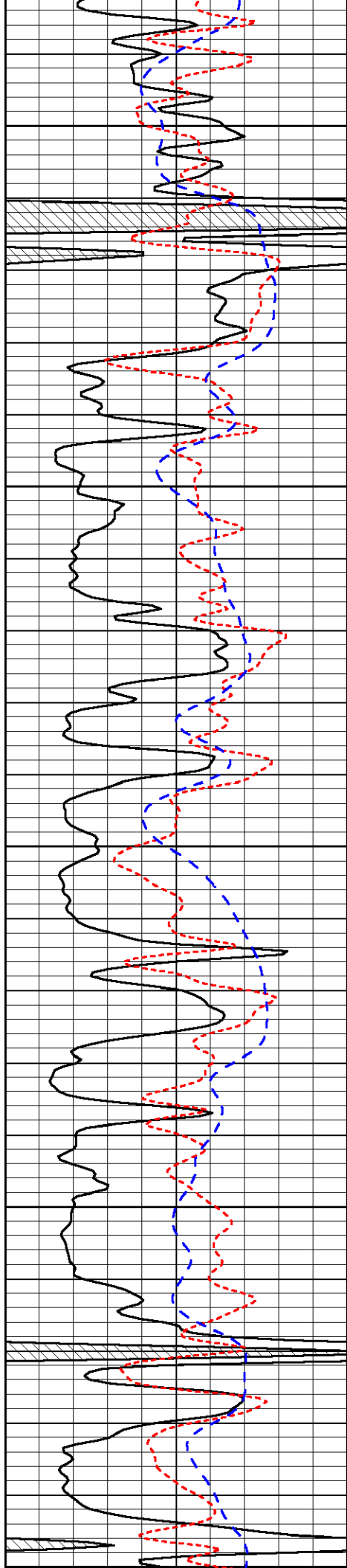


-30

-30

-30

-30



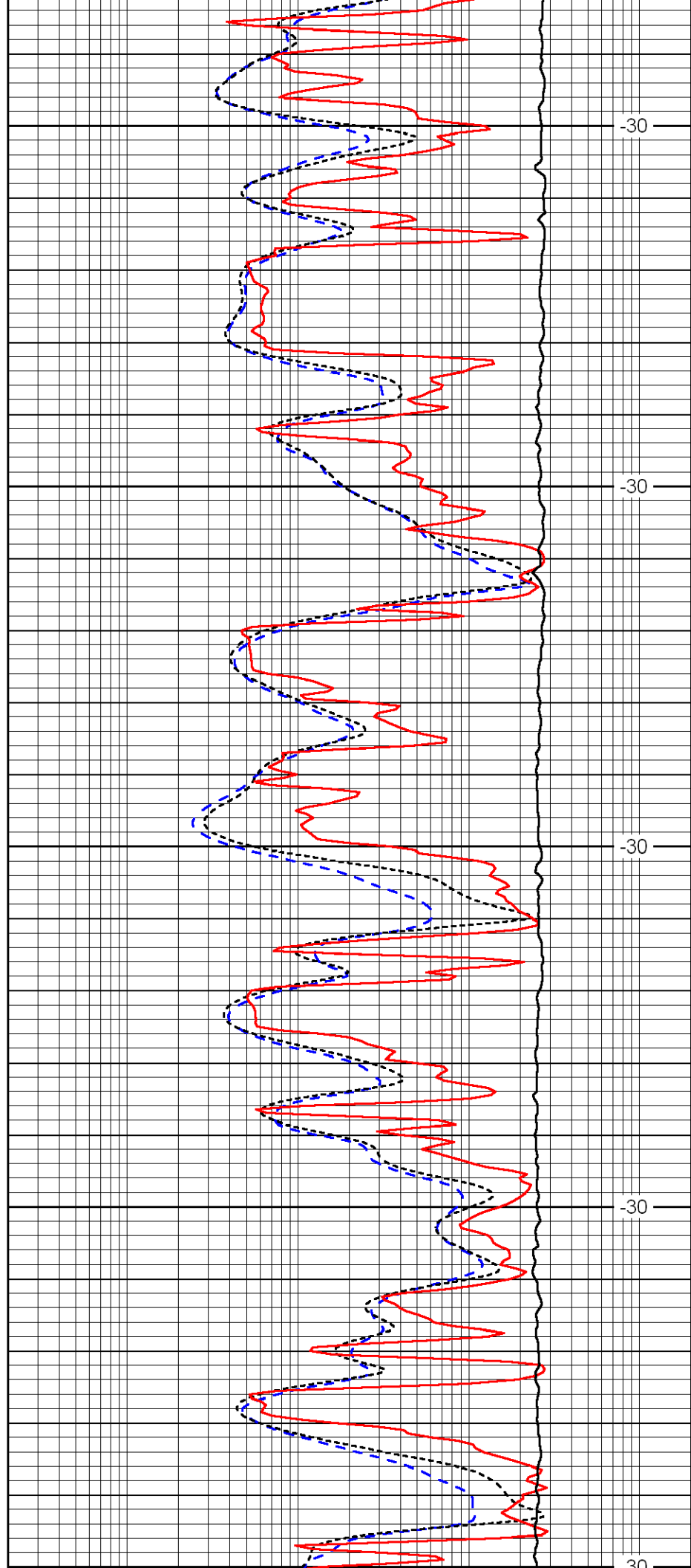
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3800

3850

3900

3950



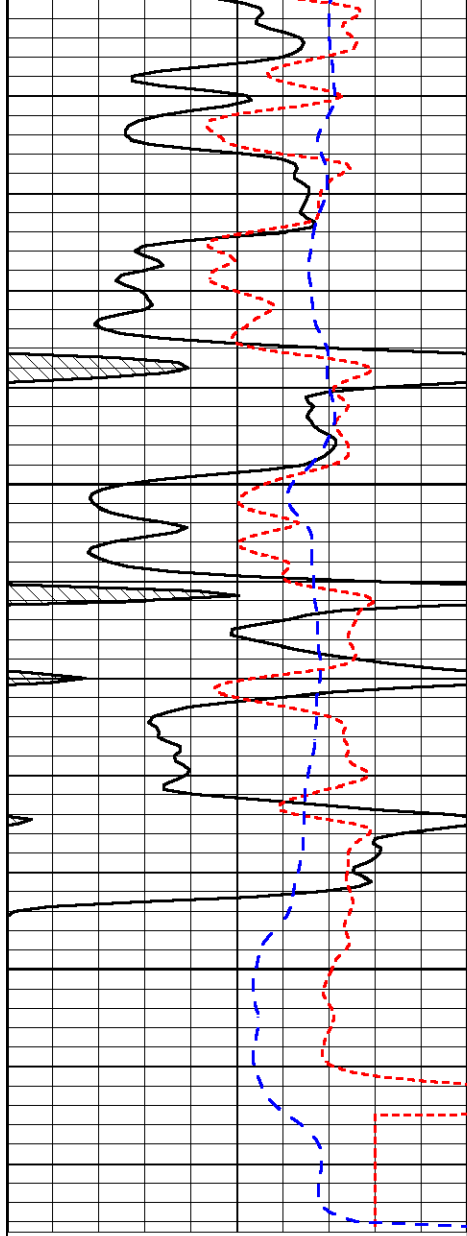
-30

-30

-30

-30

-30

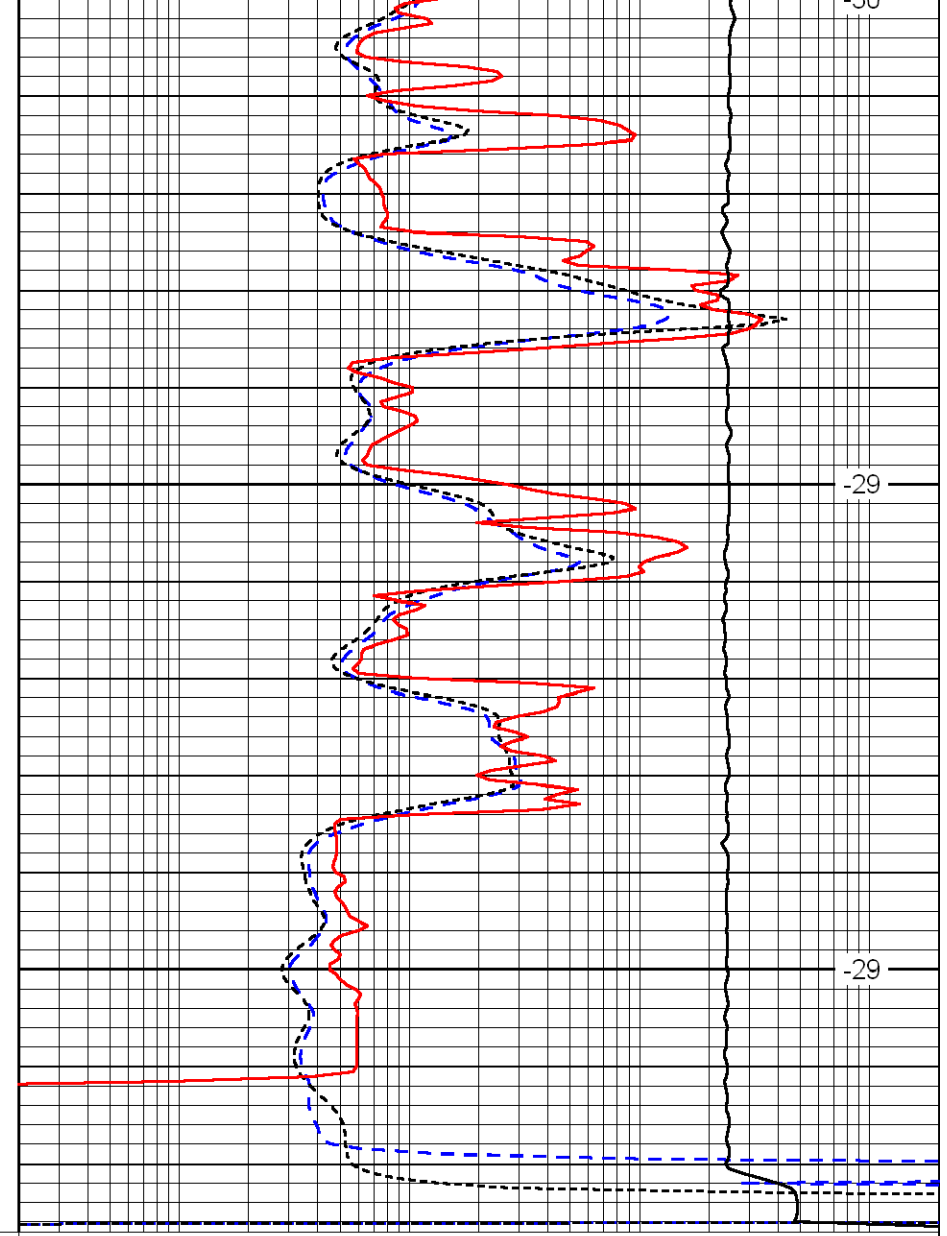


3950

4000

4050

0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



-30

-29

-29

0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
10000	Line Tension	0

LSPD



DIGITAL LOG (785) 625-3858

Computer Processed Interpretation

API No. 15-179-21,283-00-00

Company Pioneer Oil Company, Inc.

Well Schamberger No. 1

Field Freda

County Sheridan State Kansas

Location 1086' FSL & 1179' FEL

Other Services  
DIL/CNL/CDL  
BHCS/MEL

Sec: 33 Twp: 8 S Rge: 28 W

Elevation

Permanent Datum Ground Level Elevation 2670

Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing K.B. 2675  
D.F. 2670  
G.L. 2670

Date Recorded 5/23/2012

Depth Logger 4071

Curve Definitions

SW Water Saturation

SXO Water Saturation In The Flushed Zone

VCL Volume Of Clay

PHIE Density - Neutron Crossplot Shale Corrected

BWV Bulk Volume Water

BWMSXO Bulk Volume Water In Flushed Zone

DCAL Caliper

SPC SP Corrected For Baseline

DGA Apparent Grain Density

Payflag If PHIE> 2 %, VCL< 40 %, SPC> -10 , SW< 50 % & DCAL< 11

Recorded By D. Martin

Witnessed By Kurt Talbott

Analysis By T. Martin

<<< Fold Here >>>

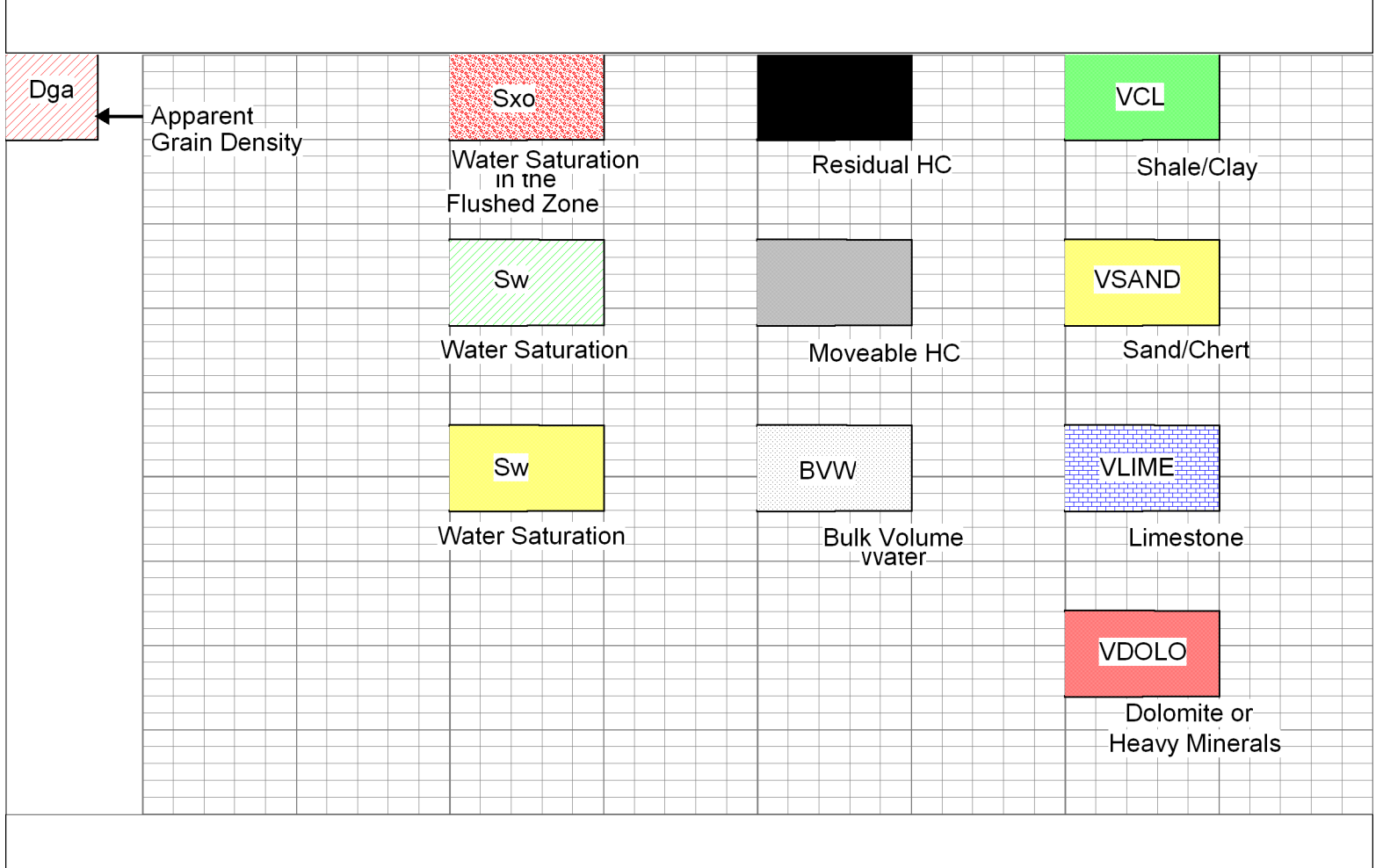
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Comments

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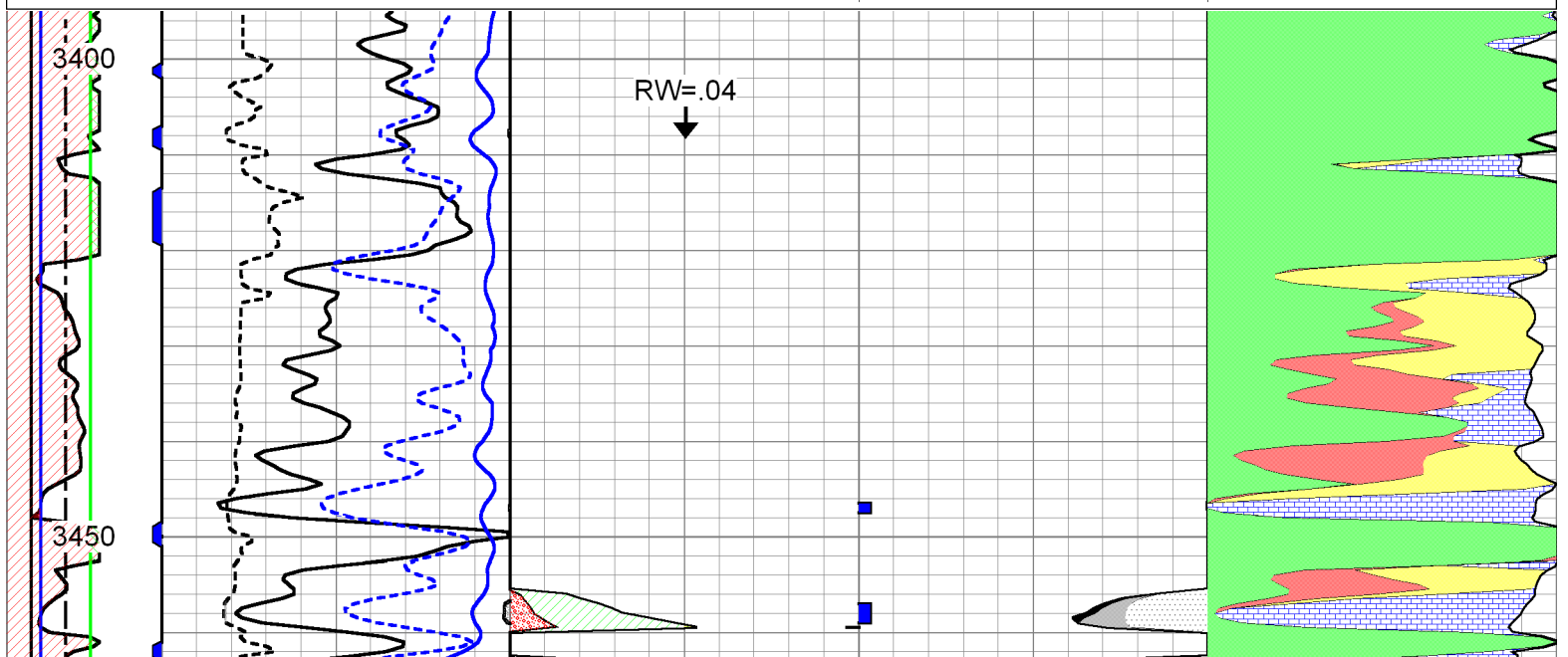
Hoxie, KS  
3 S, 1/10 W, N Into

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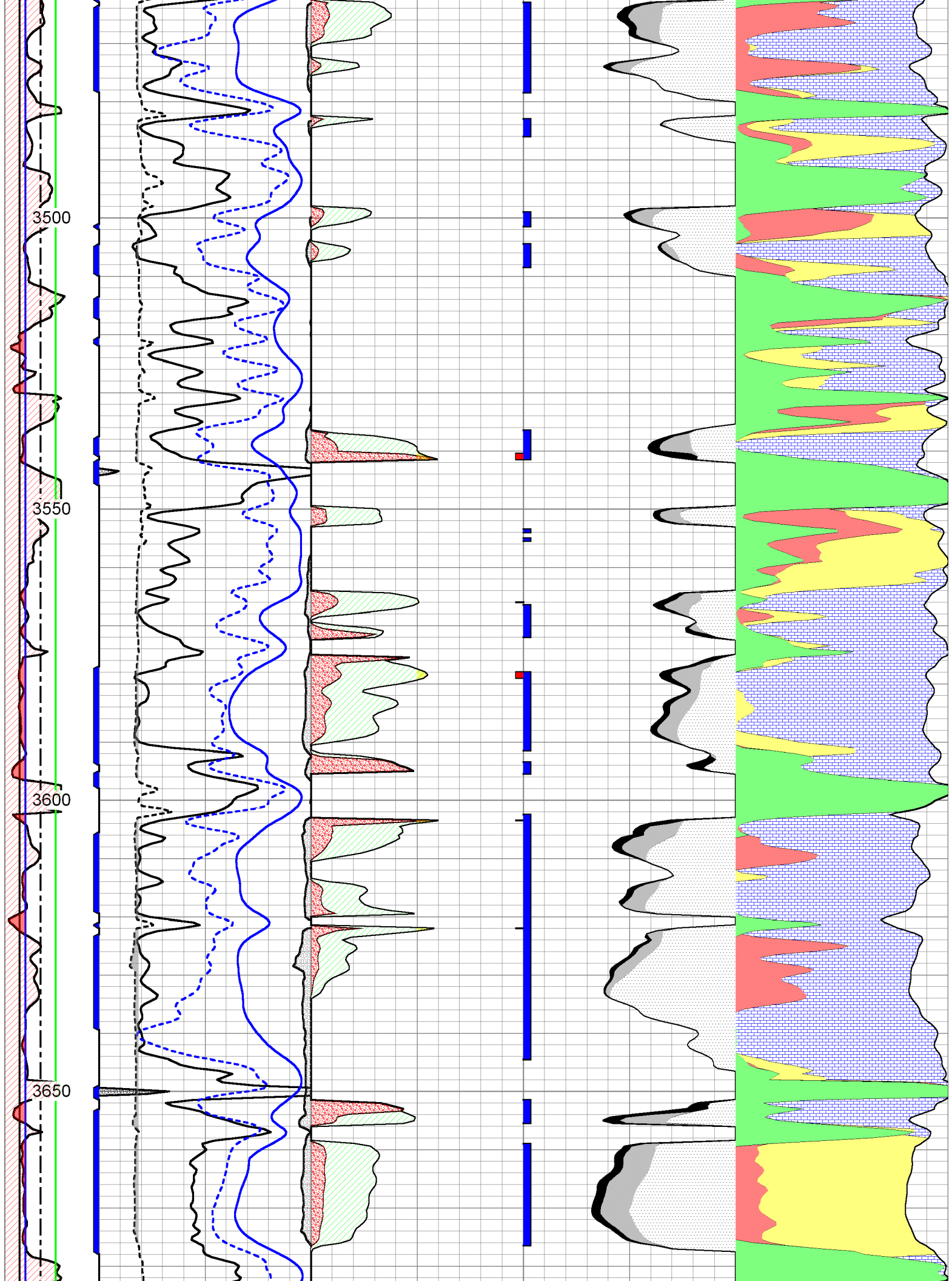


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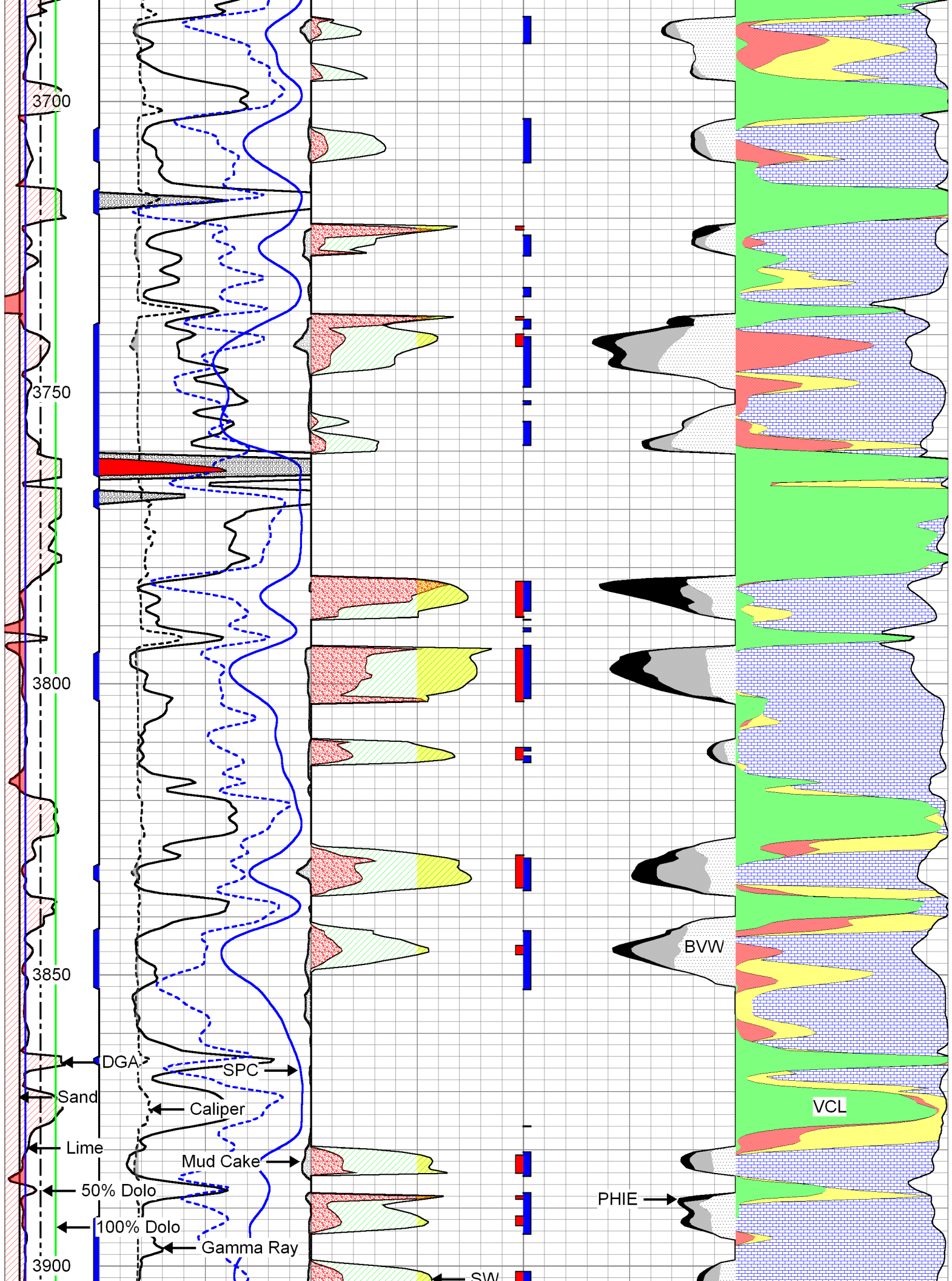
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2.6	3.1	-150		SPC	0	1	SXO	0	0	PERM	30	0	VLIME	1
								0.3		BVWSXO	0	0	VDOLO	1

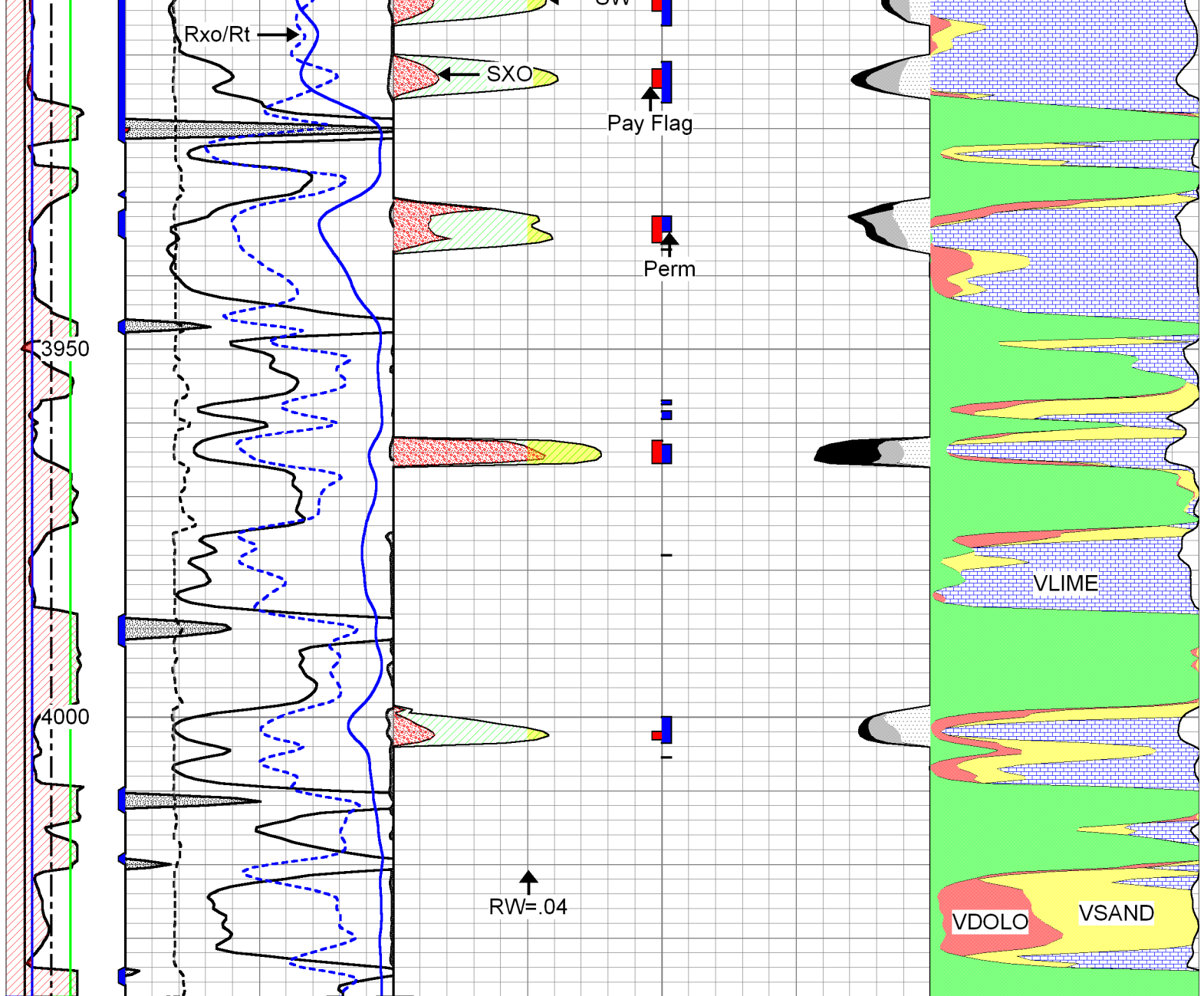












20	CLF	1	0	Gamma Ray	150	1	SW	0	0.3	PHIE	0	0	VCL	1
	DGA	6		DCAL	16	30	PAYFLAG	0	0.3	BVW	0	0	VSAND	1
2.6	3.1	-150		SPC	0	1	SXO	0	0	PERM	30	0	VLIME	1
								0.3		BVWSXO	0	0	VDOLO	1

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



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

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

Sam Brownback, Governor

June 21, 2012

Jenna Sibert  
Pioneer Oil Company, Inc.  
HWY 50 AND AIRPORT RD  
RR # 4 BOX 142B  
LAWRENCEVILLE, IL 62439

Re: ACO1  
API 15-179-21283-00-00  
Schamberger 1  
SE/4 Sec.33-08S-28W  
Sheridan 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,

Jenna Sibert



Company: Musgrove Petroleum  
 Address: 212 Main Street  
 Claflin, KS 67525

Phone Nbr: 620-450-7087  
 Logged By: Geologist

Name: Kurt Talbott

**CONTRACTOR**

Contractor: Murfin Drilling Company  
 Rig #: 8  
 Rig Type: mud rotary  
 Spud Date: 5/16/2012  
 TD Date: 5/23/2012  
 Rig Release:

Time: 9:00 AM  
 Time: 7:00 AM  
 Time:

**ELEVATIONS**

K.B. Elevation: 2675.00ft  
 K.B. to Ground: 789.00ft  
 Ground Elevation: 1886.00ft

**ROCK TYPES**

	Lmst fw<7		shale, gry		Ss
	shale, grn		Carbon Sh		

**OTHER SYMBOLS**



NSFO, no odor, chalky.

A/A Chalky

Ls-crm f-med xln, chaky, poor vis por

Ls-tan/gry, fxln, poor vis por, chalky  
Shale-blk/gry/brwn

Ls-tan/gry,f-med xln, fossils, poor inner xln por, chalky

Sand-gry, fine grained, sub round, well sorted, friable,  
poor por, slightly shaley

Shale-gry/grn

Ls-wht/crm, f-med xln, poor-fair inner xln por, drk  
brwn/blk gummy dead oil stns, TrSFO, No odor

Ls-wht/crm, fxln, poor ppt to inner xln por, drk brwn/blk  
stns, dead oil, NSFO, no odor

Ls-crm, fxln, poor ppt por, spotty dark brwn stns,  
TrSFO, no odor, slightly dolomitic.

Ls-brwn/buff, dense, sucrosic, cherty,

Ls-crm/tan, fxln, dense, poor vis por, cherty, good odor.

Dol-crm/tan, f-med xln, poor inner xln por, mostly dense,  
spotty brwn stns, NSFO, good odor.

**Heebner 3756.0 (-1081.0) -1085.0**

Black carbon shale

Shale-gry/grn

**Toronto 3778.0 (-1103.0) -1108.0**

Ls-crm/tan, ool, fossils, poor-fair por, brwn/blk stns,  
TrSFO, fair odor

Ls-crm/wht, ool, brwn/blk stns, TrSFO, fair odor, Chert-  
wht

**Lansing 3793.0 (-1118.0) -1119.0**

Ls-crm/wht, ool, fair inner ool por, brwn stns, Fair SFO,  
good odor

Ls-crm/wht, fxln, poor vis por, chalky, dark brown stns,  
TrSFO, Faint odor.

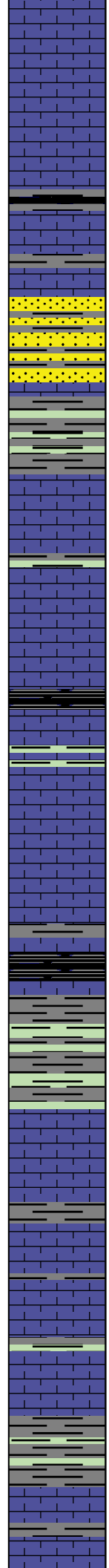
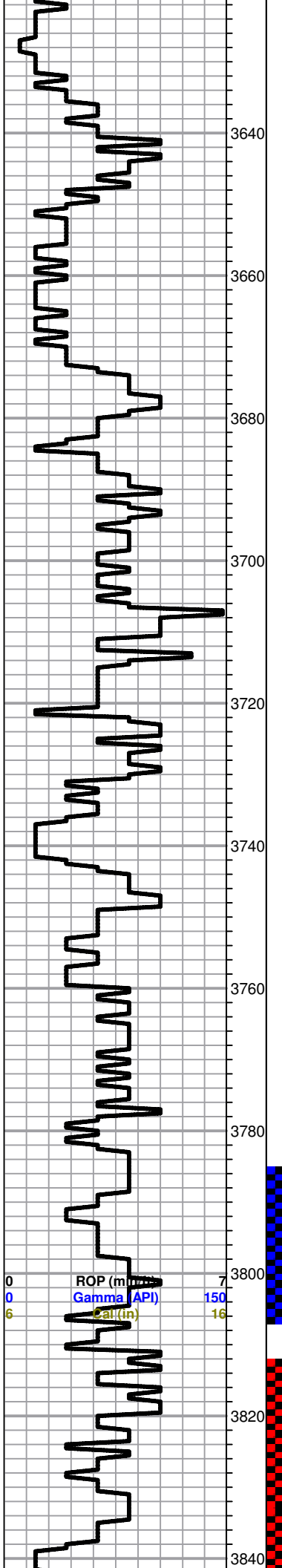
Shale-brwn/grn/gry

A/A

Ls-tan/crm/wht, fxln, ool, fair inner ool por, Brown stns,  
TrSFO, Faint odor.

DST #2 3785-3805  
30-45-45-60  
Blow- BOB in 5 min  
Return- Built to 3"  
Recovery-  
340' GIP  
92' Gassy Oil  
(30%g70%o)  
124' GOCMW  
(5%g5%o60%w30%m)  
434' GMCW  
(5%g85%w10%o)  
Pressures-  
ISIP- 811psi  
FSIP- 803psi  
IFP- 43-181psi  
FFP- 192-305psi  
HSH- 1900-1963psi

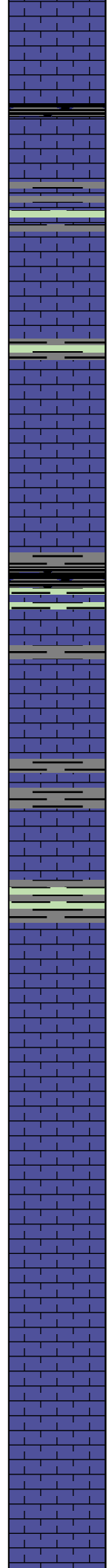
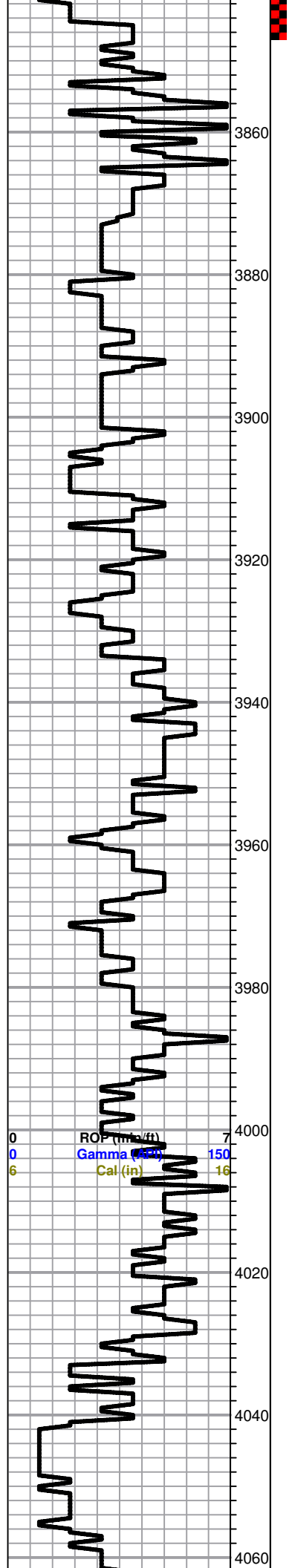
DST #3 3812-3847  
30-45-45-60  
Blow- BOB in 1 min  
Return- 6"



Log descriptions and lithology labels for various depth intervals.

Well test data and pressure measurements for DST #2 and DST #3.





Ls-crm/wht, fxln, ool, fair-good iner ool/clast por, brwn stns, Fair SFO, fair odor.

Ls-wht/crm, fsln, poor vis por, chalky, cherty, Trace Black carbon shale.

Ls-wht/tan, fxln, ool, few fossils, cherty, poor vis por, Trace brwn stns, NSFO,

Ls-wht/crm, fxln, ool, fossils, poor ppt por, chalky, spotty brwn stns, NSFO.

Ls-wht/crm, fxln, poor vis por, cherty, chalky, dense

Ls-wht/tan/crm, fxln, finely ool, poor vis por, cherty, chalky

A/A chert-opaque

Ls-wht/buff, fossils, fxln, dense, poor vis por, cherty, Trace black carbon shale

A/A trace blk asphaltic stns.

Ls-wht/lt gry/crm, fxln, poor vis por, slightly chalky, Spotty dark brwn/blk stns, NSFO, chert-opaque

Ls-lt gry/wht/crm, fxln, poor vis por, chalky, spotty, drk brwn stns, NSFO  
Shale-brwn/grn/gry

Ls-wht/gry, fxln, poor ppt por, Heavy blk asphaltic staining, NSFO, chalky in part.

Ls-tan/lt gry, fxln, ool, fossils, poor ppt por, heavy blk staining, NSFO, no odor, cherty

A/A  
Shale-brwn/gry/grn

Ls-wht/crm, fxln, poor vis por, scattered spotty dark brwn stains, Chalky, NSFO

Ls-lt gry/tan, fxln, poor vis por, few dark brwn/blk stains, NSFO, chalky

Ls-lt gry/tan, fxln, poor vis por, chalky. Shale-Brick red/brwn/grn

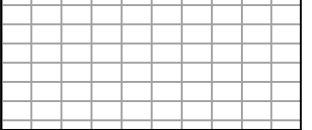
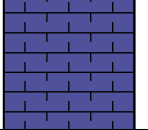
Shale-brickred/grn/  
**Base Kansas City 4035.0 (-1360.0) -1358.0**

Shale-varying color, few pieces ls-gry dense, poor por.

Shale-A/A

2nd- BOB 2 min  
Return- BOB 45 min  
Recovery-  
1178' Gas in Pipe  
128' Gassy Oil  
(30%gas 70%oil)  
2103' Gassy oil  
(20%gas 80%oil)  
187' WCM  
(30%wtr 70%mud)  
Pressures-  
ISIP- 12516psi  
FSIP- 1218psi  
IFP- 186-611psi  
FFP- 634-926psi  
HSH-1922-1881psi

0	Total Gas (units)	100
0	C1 (units)	100
0	C2 (units)	100
0	C3 (units)	100
0	C4 (units)	100





Schippers Oilfield Services LLC

# Invoice

Box 90D  
 KS 67740

Date 5/16/2012

Phone # 785-675-8974 sosllc@ruraltel.net  
 Fax # 785-675-9938

Invoice # 574

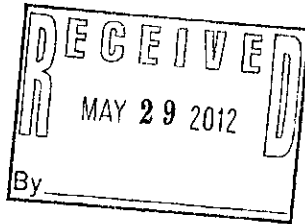
Bill To
Pioneer Oil Company, Inc. RR 4 Box 142B Hwy 50 and Airport Rd Lawrenceville, IL 62439

Ship To

P.O. # Schamberger  
 Terms Net 30

Ship Date 5/16/2012  
 Due Date 6/15/2012  
 Other

Item	Description	Qty	Price	Amount
Cement	Common	170	15.50	2,635.00T
Gel		4	26.00	104.00T
chloride	calcium chloride	6	52.00	312.00T
Handling of mater...	per sack	180	2.15	387.00
Mileage and labor	minimum charge		250.00	250.00
Pump truck charge	Tri- plex pump charge		950.00	950.00
Pump truck mileage	To and From Location minimum charge		250.00	250.00
Light vehicle mile...	To and From Location	10	2.00	20.00



Q-7-12  
 0512  
 330423 1110-80-490 Schamberger  
 1200 1120-11  
 20 1110-66

TAKE 10% DISCOUNT IF PAID WITHIN 20 DAYS. DEDUCT FROM TOTAL.

Subtotal \$4,908.00  
 Sales Tax (8.3%) \$253.23  
 Total \$5,161.23  
 Payments/Credits \$0.00  
 Balance Due \$5,161.23

Schippers Oilfield Services LLC

Q37 1110-30

REMIT TO  
RR 1 BOX 90 D  
HOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

574

DATE <i>5/11/12</i> SEC <i>33</i>	RANGE/TWP. <i>8-28</i>	CALLED OUT:	ON LOC. <i>2:20 PM</i>	JOB FROM
LEASE <i>Schubert</i>	WELL # <i>1</i>		COUNTY <i>SD</i>	STATE <i>KS</i>

CONTRACTOR <i>Mud-in-8</i>	OWNER <i>Pinnac Oil Company</i>			
TYPE OF JOB <i>Surf</i>				
HOLE SIZE <i>12 1/4</i>	T.D. <i>220</i>	CEMENT		
CASING SIZE <i>8 7/8</i>	DEPTH <i>270</i>	AMOUNT ORDERED <i>170</i>		
TUBING SIZE	DEPTH			
DRILL PIPE	DEPTH			
TOOL	DEPTH			
PRES. MAX	MINIMUM	COMMON <i>170 @ 15.00</i>		
DISPLACEMENT <i>1316</i>	SHOE JOINT	FOZMIN		
CEMENT LEFT IN CSG.		GEL <i>4 @ 2.00</i>		
PERFS		CHLORIDE <i>6 @ .52</i>		
		ASC		
EQUIPMENT				
PUMP TRUCK				
# <i>Jay</i>				
BULK TRUCK				
# <i>Eric</i>				
BULK TRUCK				
#				
		HANDING <i>180 @ 2.00</i>	<i>415.00</i>	
		MILEAGE <i>mi. @ 2.50</i>		
		TOTAL		

REMARKS	SERVICE <i>Surf</i>		
<i>Plug Down @ 9:30 PM</i>	DEPT OF JOB		
	PUMP TRUCK CHARGE		<i>900.00</i>
	EXTRA FOOTAGE		
<i>Circulate Cement</i>	MILEAGE <i>5x2</i>	<i>@ 2.50 mi.</i>	<i>250.00</i>
	MANIFOLD		
	<i>Light Vehicle 500</i>	<i>@ 2.00</i>	
	TOTAL		

CHARGE TO: <i>Pinnac Oil Company</i>
STREET <i>RR 4 Box 142B</i> STATE <i>IL</i>
CITY <i>Lawrenceville</i> ZIP <i>62439</i>

To: Schippers Oil Field Service LLC  
You are hereby requested to rent cementing equipment and furnish staff 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 & understand the "TERMS AND CONDITIONS" listed on the reverse side.

PLUG & FLOAT EQUIPMENT	
TOTAL	
TAX	
TOTAL CHARGE	
DISCOUNT (IF PAID IN 20 DAYS)	

SIGNATURE *Robert F. ...*

PRINTED NAME *Robert F. ...*

REMIT TO  
RR 1 BOX 90 D  
HOXIE KS 67740

SCHIPPERS OIL FIELD SERVICE L.L.C.

574

DATE <u>5/1/11</u> SEC.	RANGE/TWP. <u>8</u>	CALLED OUT	ON LOCATION <u>11</u>	JOB START	JOB FINISH
LEASE <u>...</u>			WELL # <u>1</u>	COUNTY <u>ED</u>	STATE <u>KS</u>

CONTRACTOR <u>Marion 8</u>	OWNER <u>P. ... Del ...</u>			
TYPE OF JOB <u>...</u>				
HOLE SIZE <u>11 1/2</u>	T.D. <u>200</u>	CEMENT		
CASING SIZE <u>8 1/2</u>	DEPTH <u>200</u>	AMOUNT ORDERED	<u>172</u>	
TUBING SIZE	DEPTH			
DRILL PIPE	DEPTH			
TOOL	DEPTH			
PRES. MAX	MINIMUM	COMMON	<u>170</u>	@ <u>1.25</u>
DISPLACEMENT <u>1.75</u>	SHOE JOINT	POZMIX		@
CEMENT LEFT IN CSG.		GEL	<u>4</u>	@ <u>26</u>
PERFS		CHLORIDE	<u>6</u>	@ <u>5</u>
		ASC		@
EQUIPMENT				@
				@
PUMP TRUCK				@
# <u>...</u>				@
BULK TRUCK				@
# <u>...</u>				@
BULK TRUCK				@
#				@
				@
		HANDLING	<u>1.0</u>	@ <u>25</u>
		MILEAGE	<u>m</u>	@ <u>25</u>
		TOTAL		<u>47.25</u>

REMARKS	SERVICE <u>...</u>		
<u>Plug Down @ 9:30 PM</u>	DEPT OF JOB	@	
	PUMP TRUCK CHARGE	@	<u>950</u>
	EXTRA FOOTAGE	@	
<u>Cement to Cement</u>	MILEAGE <u>300</u>	@ <u>2.50</u>	<u>750</u>
	MANIFOLD	@	
	<u>...</u>	@ <u>2.50</u>	
	TOTAL		

CHARGE TO: <u>P. ... Del ...</u>	STATE <u>IL</u>
STREET <u>RR 1 Box 90 D</u>	CITY <u>Hoxie, KS</u>
CITY <u>Hoxie, KS</u>	ZIP <u>67740</u>

To: Schippers Oil Field Service LLC  
You are hereby requested to rent cementing equipment and furnish staff to assist owner or contractor to do work

PLUG & FLOAT EQUIPMENT	
	@
	@



P. O. Box 466  
Ness City, KS 67560  
Off: 785-798-2300

# Invoice

DATE	INVOICE #
5/24/2012	21777

BILL TO
Pioneer Oil Company, Inc. 1100 Lexington Avenue Lawrenceville, IL 62439

- Acidizing
- Cement
- Tool Rental

TERMS	Well No.	Lease	County	Contractor	Well Type	Well Category	Job Purpose	Operator
Net 30	#1	Schamberger	Sheridan	Murfin Drilling	Oil	Development	Cement Two-Stage	Don
PRICE REF.	DESCRIPTION				QTY	UM	UNIT PRICE	AMOUNT
575D	Mileage - 1 Way				75	Miles	6.00	450.00
579D	Pump Charge - Two-Stage				1	Job	1,850.00	1,850.00
290	D-Air				5	Gallon(s)	35.00	175.00T
221	Liquid KCL (Clayfix)				4	Gallon(s)	25.00	100.00T
281	Mud Flush				500	Gallon(s)	1.25	625.00T
402-5	5 1/2" Centralizer				1	Each	70.00	70.00T
403-5	5 1/2" Cement Basket				2	Each	250.00	500.00T
407-5	5 1/2" Insert Float Shoe With Aero Fill				1	Each	350.00	350.00T
408-5	5 1/2" D.V. Tool & Plug Set				1	Each	3,000.00	3,000.00T
409-5	5 1/2" Turbolizer				6	Each	90.00	540.00T
417-5	5 1/2" D.V. Latch Down Plug & Baffle				1	Each	200.00	200.00T
419-5	5 1/2" Rotating Head Rental				1	Each	200.00	200.00T
323	Standard Cement				175	Sacks	13.50	2,362.50T
276	Floccle				44	Lb(s)	2.00	88.00T
283	Salt				875	Lb(s)	0.20	175.00T
284	Calseal				9	Sack(s)	35.00	315.00T
285	CFR-1				83	Lb(s)	4.00	332.00T
330	Swift Multi-Density Standard (MIDCON II)				250	Sacks	16.50	4,125.00T
276	Floccle				63	Lb(s)	2.00	126.00T
581D	Service Charge Cement				425	Sacks	2.00	850.00
583D	Drayage				1,618.24	Ton Miles	1.00	1,618.24
Subtotal								18,051.74
Sales Tax Sheridan County						8.30%		1,102.53
<b>We Appreciate Your Business!</b>							<b>Total</b>	<b>\$19,154.27</b>



Received

TICKET

No 21777

PAGE 1 OF 2

CHARGE TO: *Planner Oil*  
 ADDRESS: *11*  
 CITY, STATE, ZIP CODE:

WELL PROJECT NO. # *1*  
 LEASE: *Schamberger*  
 COUNTY/PARISH: *Stephens*  
 STATE: *KS*  
 CITY: *Delivered to*  
 TICKET TYPE: *Oil*  
 CONTRACTOR: *Martin Digs Co*  
 JOB PURPOSE: *Development - Cement Two-Stage LS*  
 WELLS CATEGORY: *Oil*  
 WELLS INSTRUCTIONS: *WELL PERMIT NO. 514616, KS*

DATE: *5-24-12*  
 ORDER NO.: *18*  
 TOWNER: *1*  
 WELL LOCATION: *2*

PRICE REFERENCE	SECONDARY REFERENCE	ACCOUNTING	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
3575		1	MILEAGE #113			565.00
379		1	Pump Charge - Curt 2-Stage			1850.00
90		1	D. Air			35.00
241		1	Liquid KCL			25.00
281		1	Mixed Flush			100.00
302		1	Reg. Centralizer			185
303		1	Cement Baskets			70.00
407		1	Insert Float Shoe w/ Auto-Fill			290.00
408		1	D.V. Tool & Plug Set			350.00
409		1	Turbalizers			300.00
417		1	D.V. Latex Down Plug & Baffle			90.00
419		1	Rotating Head Re-Set			200.00
<p>REMIT PAYMENT TO:</p> <p>SWIFT SERVICES, INC.                  P.O. BOX 466                  NESS CITY, KS 67560                  785-798-2300</p>						<p>PAGE TOTAL</p> <p>Subtotal</p> <p>1825.17</p> <p>Storidan</p> <p>TAX 8.3%</p> <p>1102.53</p> <p>TOTAL</p> <p>19,154.27</p>

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 AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

DATE SIGNED: *5-24-12* TIME SIGNED: *0700*

SWIFT OPERATOR: *[Signature]*

CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES: *[Signature]*

APPROVAL: *[Signature]*

Thank You!



**JOB LOG**

**SWIFT Services, Inc.**

DATE 5-21-12 PAGE NO. 1

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
HARRIS Oil		#1		Schamberger		Recent 2-Stage Longstr		21777	
CHART NO.	TIME	RATE (BPM)	VOLUME (BRL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS	
				H	C	TUBING	CASING		
	0650					14" / 14"	4 1/2"	TO 4065	ON location - 97 SKS - Last 3 on Port out Start 5 1/2" 14" / 14" casing to 4065' Insert Flat shoe w/ Auto-PIV D.V. LD. Baffle - 55' 42' @ 4003 - (99.0) Turbo-cut - 1-2-4-5-6-7 Baskets - Plug of 40 & 41 D.V @ 2339' # 41 collar = 57 BRL Drop filling ball loose cut Fin cut - 60 SKS Start CIR / Rotate 15 SKS Fin CIR Pump flushes - 50 gal Mud flush - 20 KCL Take on 35 BRL Need. Plug RH - 30 SKS MH - 15 SKS EA-2 Start 130 SKS EA-2 cut Fin cut - Wash out Pump & Lines Drop D.V. LD Plug - start DSD1 50 H2O / 35 mud / 15 KCL flush Plug Down Bottom Stage - Drop D.V. Maning device Open D.V. - Fin KCL flush Start 250 SKS SMD cut Fin cut - Drop D.V. closing Plug Start DSD1 - (57 BRL) Plug Down D.V. start 4' Hold - Release Wash up & Reaking Tok Top stage complete Circulate top 60 SKS SMD @ 11.2  Job Complete  [Signature] Alan, Brian & T.J.
	0710								
	0905								
	0915								
	1015								
		5 / 6	12 / 30					200 / 300	
		~	7 / 5						
		4 1/2						200	
			35					200 / 100	
	11:20	8 1/2						200	
		7 / 6	50 / 25						
	11:25		98					200 / 100	
	1045							1050 / 350	
		5							
			140					200 / 100	
	12:30							200 / 500 / 140	
	1915								