Confidentiality Requested:
☐ Yes ☐ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1071642

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 # 31819
Name: Cholla Production, LLC
Address 1: 7851 S ELATI ST STE 201
Address 2:
City: LITTLETON State: CO Zip: 80120 + 8081
Contact Person: Emily Hundley-goff
Phone: (303) 623-4565
CONTRACTOR: License # 33575
Name: WW Drilling, LLC
Wellsite Geologist: Bill Goff
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 #:

11/08/2011	11/18/2011	11/18/2011
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-023-21334-00-00
Spot Description:
__ - __ - NW - NE Sec. 3 Twp. 2 S. R. 39 ☐ East ☑ West
660 Feet from ☑ North / ☐ South Line of Section
1980 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: Cheyenne
Lease Name: ZIMBELMAN Well #: 1-3
Field Name:
Producing Formation: Dry Hole
Elevation: Ground: 3135 Kelly Bushing: 3130
Total Vertical Depth: 4710 Plug Back Total Depth:
Amount of Surface Pipe Set and Cemented at: 262 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: 2000 ppm Fluid volume: 90 bbls
Dewatering method used: Evaporated
Location of fluid disposal if hauled offsite:
Operator Name:
Lease Name: License #:
Quarter Sec. Twp. S. R. ☐ East ☐ West
County: Permit #:

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

Submitted Electronically

KCC Office Use ONLY
☑ **Confidentiality Requested**
Date: 01/13/2012
☑ **Confidential Release Date:** 01/12/2014
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☐ **UIC Distribution**
ALT ☑ **I** ☐ **II** ☐ **III** **Approved by:** NAOMI JAMES **Date:** 01/17/2012

[redacted]

1071642

Operator Name: Cholla Production, LLC Lease Name: ZIMBELMAN Well #: 1-3

Sec. 3 Twp. 2 S. R. 39 ☐ East ☑ West County: Cheyenne

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:

DIL
DUCP
Micro

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

Name	Top	Datum
Stone Corral	3079	+51
Heebner	4113	-983
Lansing	4146	-1016
BKC	4394	-1264
Marmaton	4406	-1276
Pawnee	4462	-1332
Cherokee	4531	-1401

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	263	Common	185	3%CC, 2% gel

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

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

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

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

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)* P & A

PRODUCTION INTERVAL:

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

ELI WIRELINE SERVICES

DUAL INDUCTION LOG

Company	MICA ENERGY CORPORATION
Well	STATE "D" #5-16
Field	JONES CANYON
County	DUNDY
State	NEBRASKA
API #	26-057-21435-0000
Location	560 FSL & 810 FWL OF NW/4
	SEC 16 TWP 1N RGE 37W
Permanent Datum	GROUND LEVEL
Log Measured From	KELLY BUSHING 5 A.G.L.
Drilling Measured From	KELLY BUSHING
Other Services	CDL CNL
Drilling Mud Type	CHEMICAL MUD
Chlorides	CHLORIDES 850
Source of Sample	FLOWLINE
Source of Rmf / Rmc	MEASUREMENT
Time Circulation Stopped	3 HOURS
Maximum Recorded Temperature	117F
Equipment Number	143
Location	HAYS KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	MIKE CARR

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 wilful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395

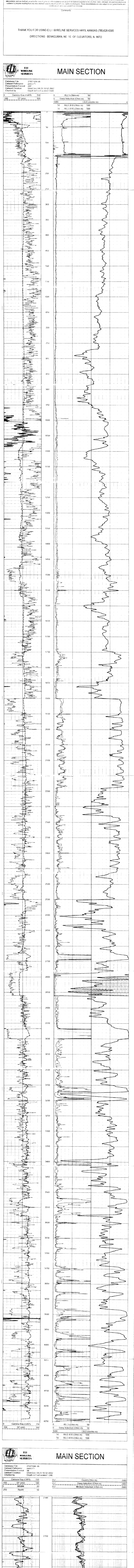
DIRECTIONS - BENKELMAN, NE 1E OF ELEVATORS, N. INTO

ELI WIRELINE SERVICES

MAIN SECTION

Database File: 21021ddn.db
Dataset Pathname: pass3.5
Presentation Format: dil2
Dataset Creation: Wed Dec 04 23:16:02 2002
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150
-100	SP (mV)	100
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50
1000	CILD (mmho-m)	0
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500



ELI WIRELINE SERVICES

MAIN SECTION

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Dataset Pathname: pass3.5
Presentation Format: dil
Dataset Creation: Wed Dec 04 23:16:02 2002
Charted by: Depth in Feet scaled 1:240

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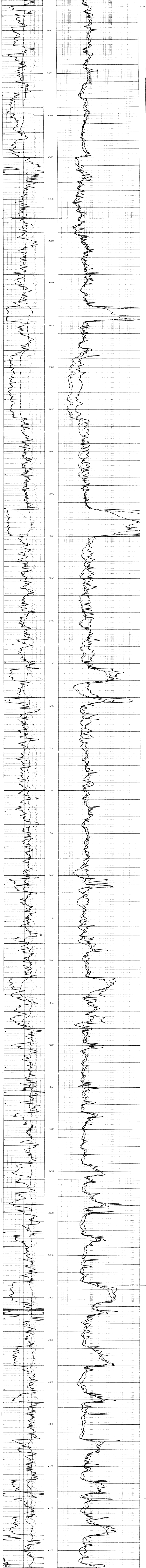
-100	SP (mV)	100
0	MINMK	20
-250	RxoRt	50
0.2	Guard (Ohm-m)	2000
0.2	Deep Induction (Ohm-m)	2000
0.2	Medium Induction (Ohm-m)	2000



ELI WIRELINE SERVICES

REPEAT SECTION

Database File: 21021ddn.db
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Presentation Format: dil
Dataset Creation: Wed Dec 04 23:22:55 2002 by Calc 6.2_B4
Charted by: Depth in Feet scaled 1:240

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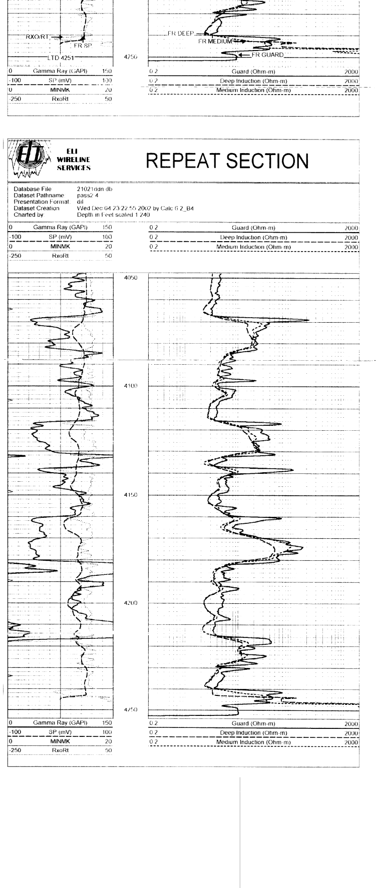
-100	SP (mV)	100
0	MINMK	20
-250	RxoRt	50
0.2	Guard (Ohm-m)	2000
0.2	Deep Induction (Ohm-m)	2000
0.2	Medium Induction (Ohm-m)	2000



ALLIED CEMENTING CO., LLC. 035282

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley

DATE 1-9-11	SEC. 3	TWP. 25	RANGE 39w	CALLED OUT	ON LOCATION	JOB START 11:30pm	JOB FINISH 12:00
LEASE Zimbelman	WELL # 1-3		LOCATION Wheeler 9N 3E 2½N 1½W into			COUNTY Cheyenne	STATE KS

OLD OR NEW (Circle one)

CONTRACTOR W+W #8
TYPE OF JOB Surface
HOLE SIZE 12¼ T.D. 263'
CASING SIZE 8⅝ DEPTH 263'
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. 15'
PERFS.
DISPLACEMENT 15.79 BBL

OWNER Same

EQUIPMENT

PUMP TRUCK # 423-281 CEMENTER Andrew
HELPER Jerry
BULK TRUCK # 342 DRIVER Ethan - Dane
BULK TRUCK # DRIVER

CEMENT

AMOUNT ORDERED 185 sks com 3%cc 2%gel

COMMON 185 sks	@ 16.25	3006.25
POZMIX	@	
GEL 3 sks	@ 21.25	63.75
CHLORIDE 7 sks	@ 58.20	407.40
ASC	@	
HANDLING 195 sks	@ 2.25	438.75
MILEAGE 119 sk/mile		2145.00

TOTAL 6061.15

REMARKS:

Cement Did circulate

Thank you

CHARGE TO: Cholla Production

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB 263'		
PUMP TRUCK CHARGE		1125.00
EXTRA FOOTAGE	@	
MILEAGE 100 miles X 2	@ 7.00	1400.00
MANIFOLD head	@	200.00
Light vehicle	@ 4.00	800.00

TOTAL 3525.00

PLUG & FLOAT EQUIPMENT

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

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

PRINTED NAME John Mondero

SIGNATURE John Mondero

LOG-TECH

DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

API No. 15-023-21,334-00-00

Company: Cholla Production, LLC
Well: Zimbelman No.1-3
Field: Wildcat
County: Cheyenne State: Kansas

Location: 660' FNL & 1980' FWL
Sec: 3 Twp: 2S Rge: 39W

Other Services: DIL, MEL

Permanent Datum: Ground Level Elevation 3125
Log Measured From: Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From: Kelly Bushing

Elevation: K.B. 3130, D.F., G.L. 3125

Date	11/18/2011	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	4710	
Depth Logger	4712	
Bottom Logged Interval	4691	
Top Logged Interval	900	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	1,000	
Density	9.4	
Level	Full	
Max. Rec. Temp. F	123	
Operating Rig Time	4 Hours	
Equipment -- Location	17	Hays
Recorded By	C. Desaire	
Witnessed By	Clayton Erickson	

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	262	8.625	24#	00	262
2	7.875	262	4710				

<<< 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

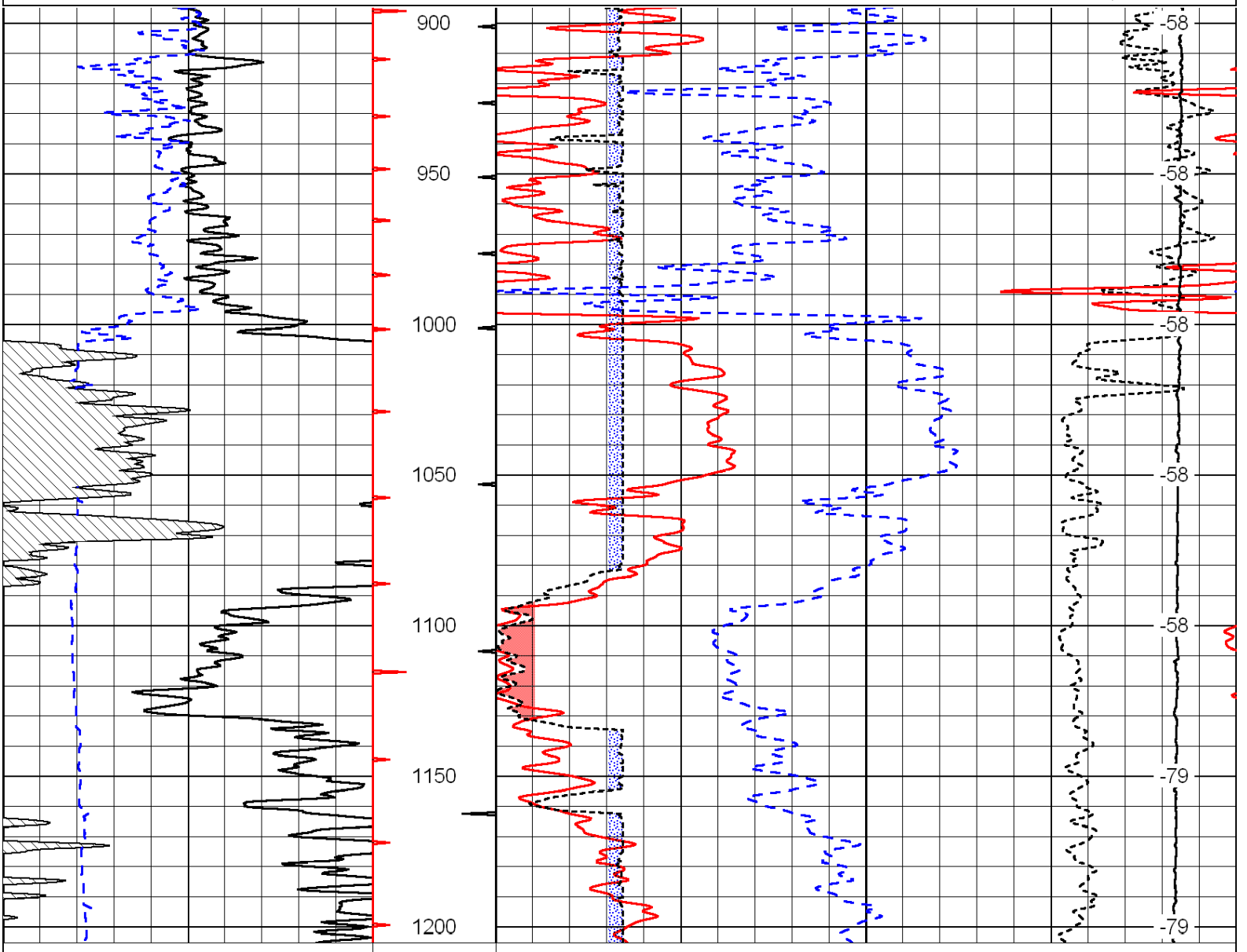
Thank you for using Log-Tech, Inc.
(785) 625-3858

Bird City KS,
5 W to RD 23, 6 N to T,
1/2 W, 1/2 N, 1/2 W, 5 N, W Into

Database File: c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
Dataset Pathname: dil/chollastk
Presentation Format: zcdl
Dataset Creation: Fri Nov 18 12:25:00 2011
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150	60	Compensated Density			0
6	Caliper (GAPI)	16	2	Bulk Density			3
			15000	Line Tension			0
			2.625	DGA	3.425	-0.25 Correction	0.25
							LSPD



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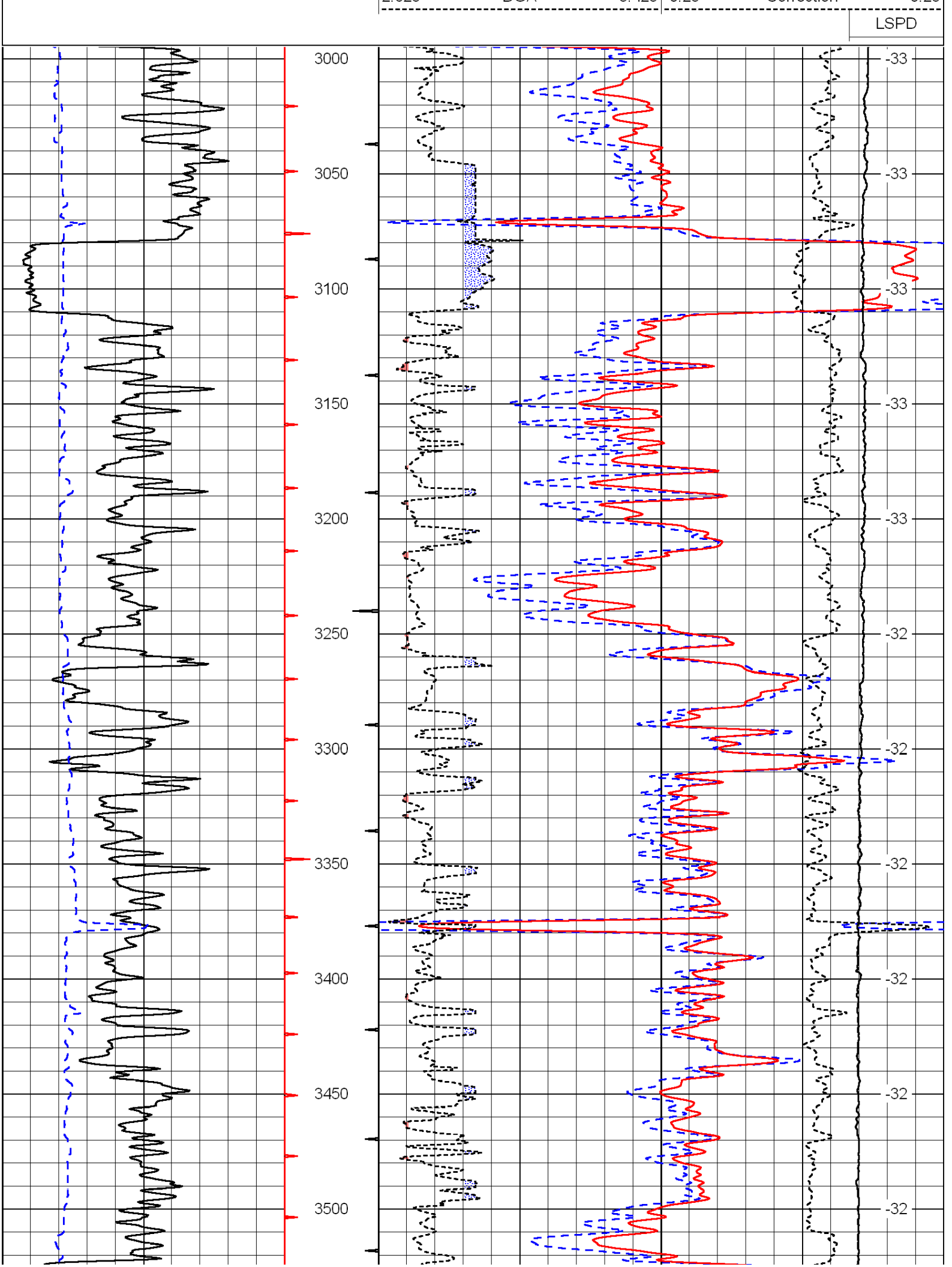
6	Caliper (GAPI)	16	2	Bulk Density			3
			15000	Line Tension			0
			2.625	DGA	3.425	-0.25 Correction	0.25
							LSPD

Database File: c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
Dataset Pathname: dil/chollastk
Presentation Format: cdl
Dataset Creation: Fri Nov 18 12:25:00 2011
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150	30	Compensated Density			-10
6	Caliper (GAPI)	16	2	Bulk Density			3
			15000	Line Tension			0
			2.625	DGA	3.425	-0.25 Correction	0.25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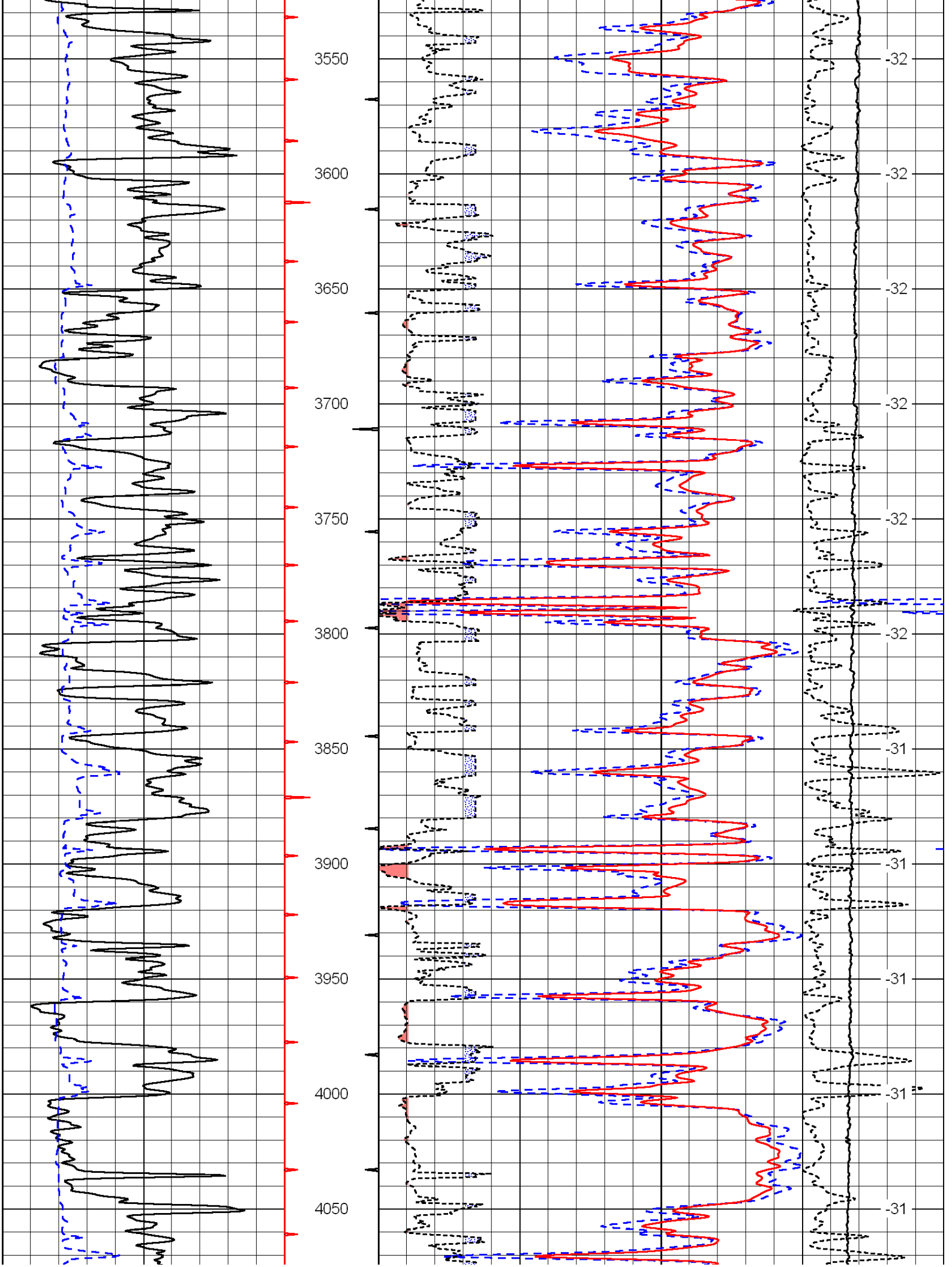
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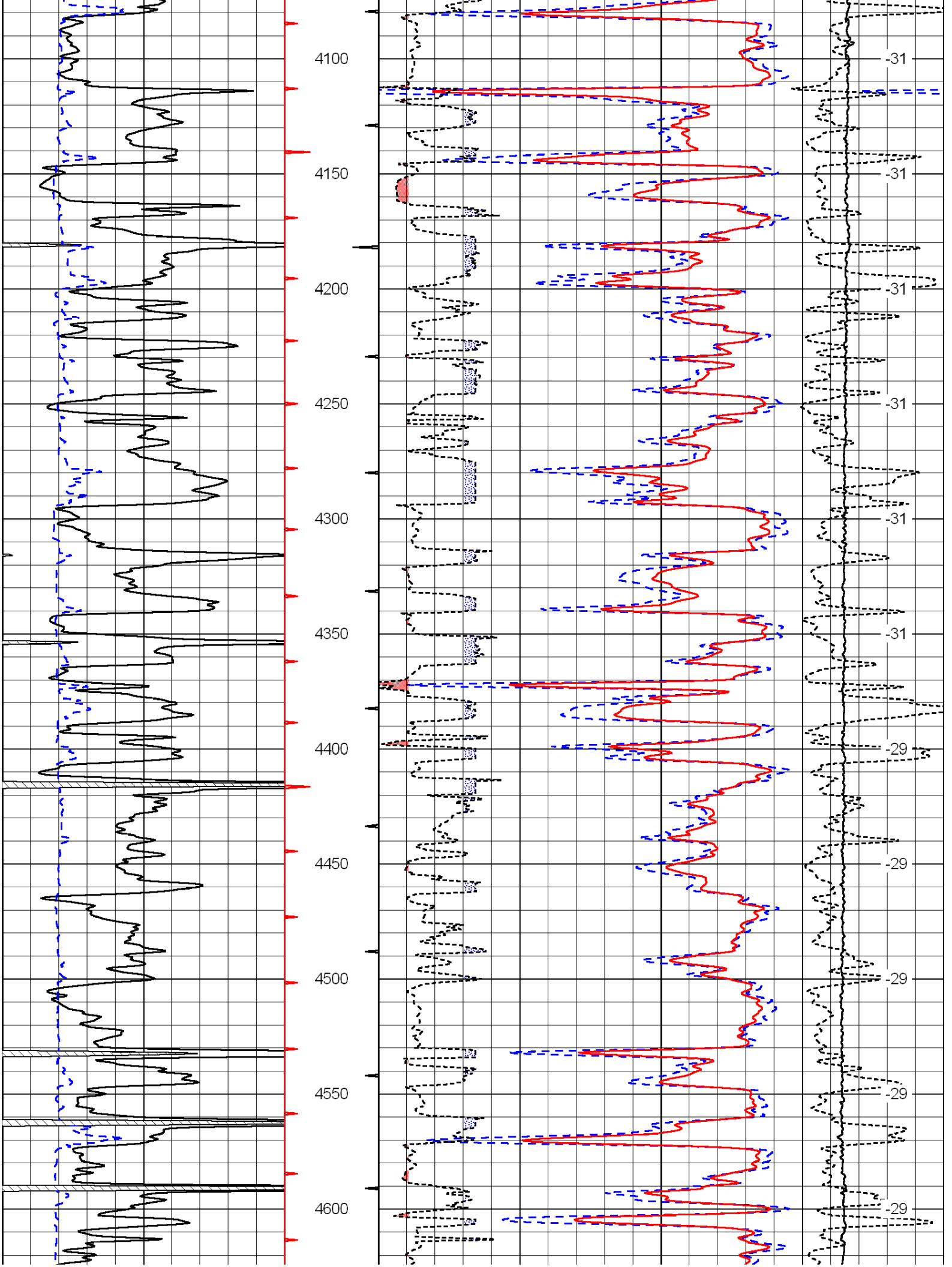
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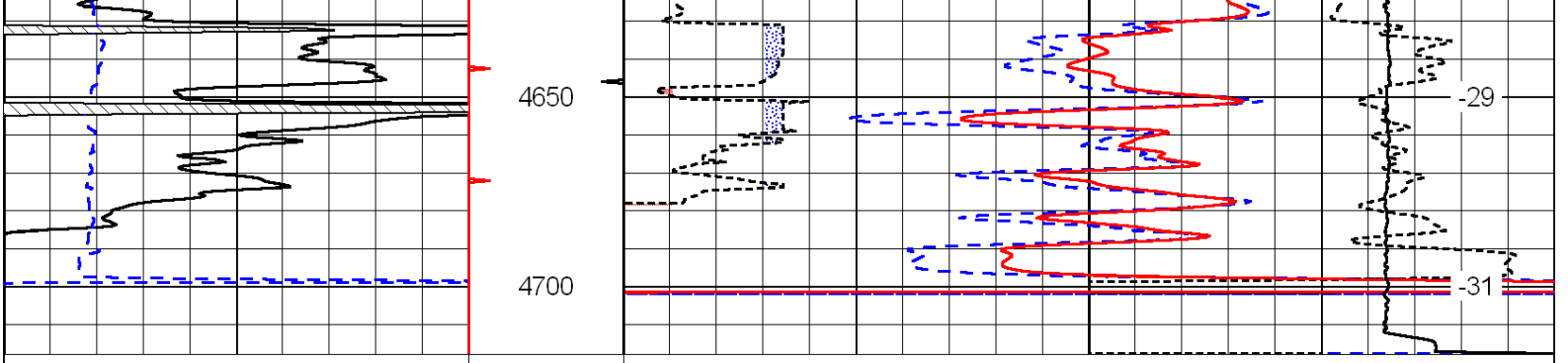
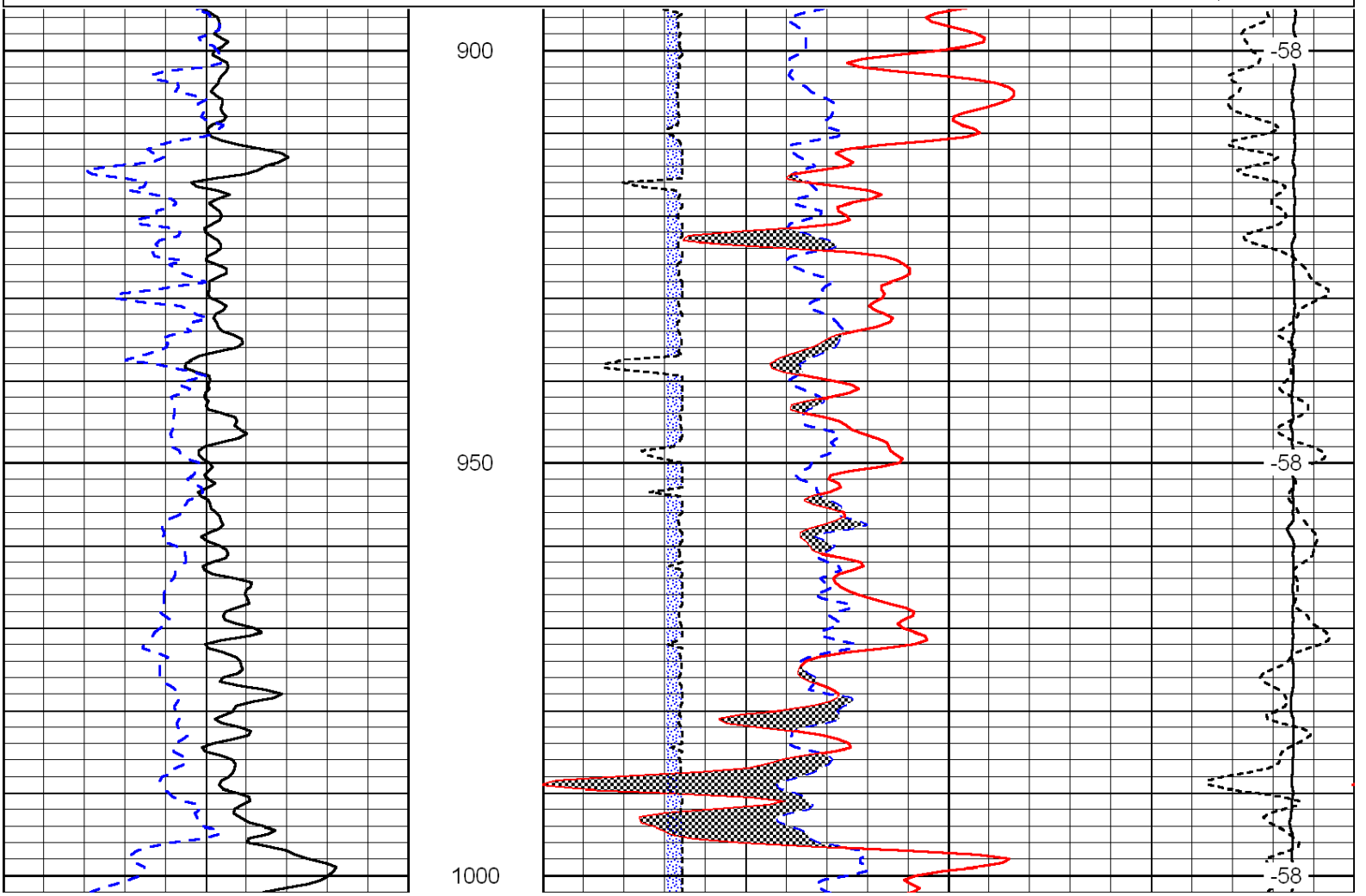
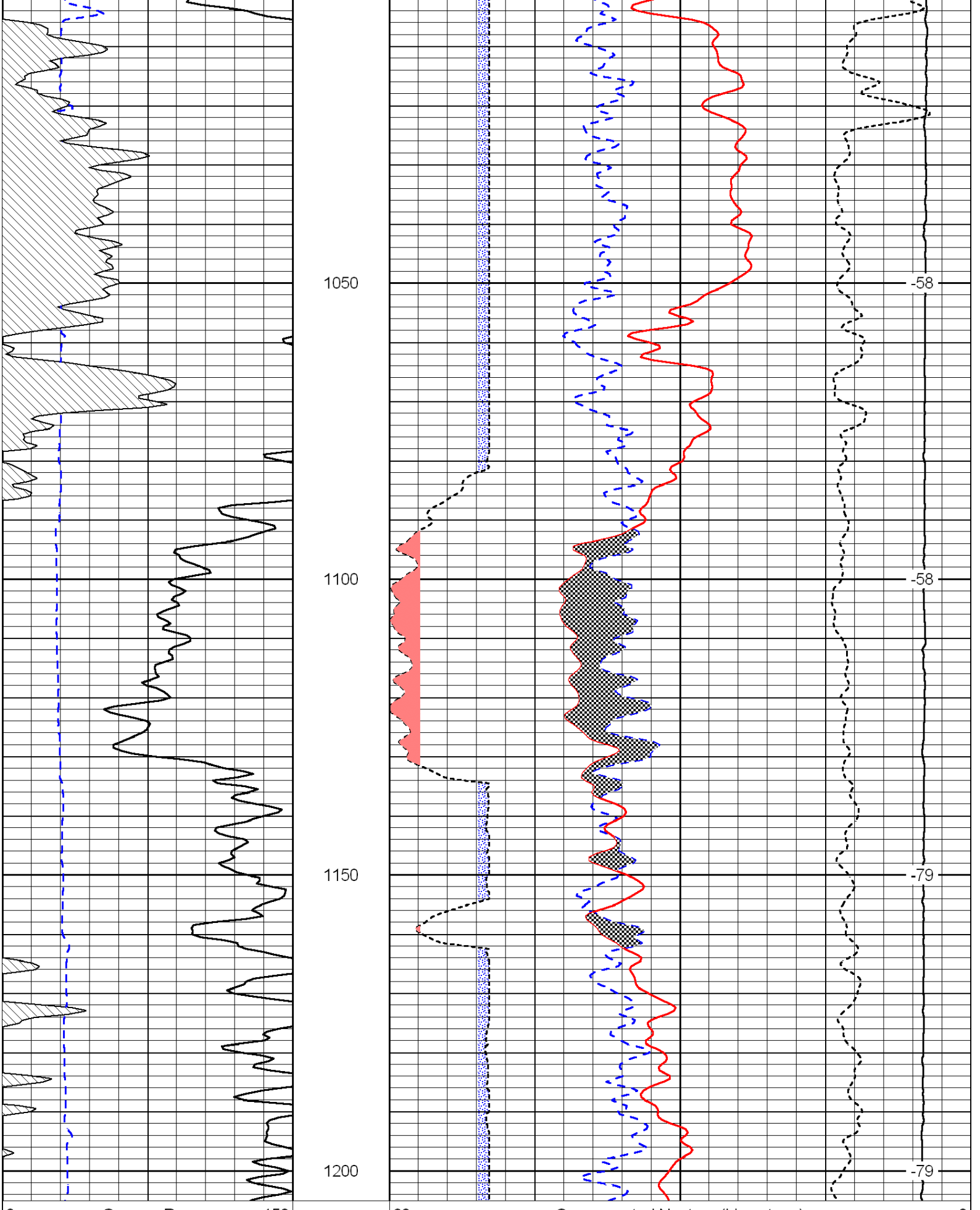


0	Gamma Ray	150	30	Compensated Density		-10
6	Caliper (GAPI)	16	2	Bulk Density		3
			15000	Line Tension		0
			2.625	DGA 3.425	-0.25 Correction	0.25
						LSPD

Database File: c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
Dataset Pathname: dil/chollastk
Presentation Format: ZCNDLS~1
Dataset Creation: Fri Nov 18 12:25:00 2011
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	60	Compensated Neutron (Limestone)		0
6	Caliper (GAPI)	16	60	Compensated Density (2.71 ma)		0
			2.625	DGA 3.425	-0.25 Correction	0.25
			15000	Line Tension		0
						LSPD





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6	Caliper (GAPI)	16	60	Compensated Density (2.71 ma)		0
			2.625	DGA 3.425	-0.25 Correction	0.25
			15000	Line Tension		0

15000	Line Tension	0
		LSPD

Database File:	c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
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Charted by:	Depth in Feet scaled 1:240

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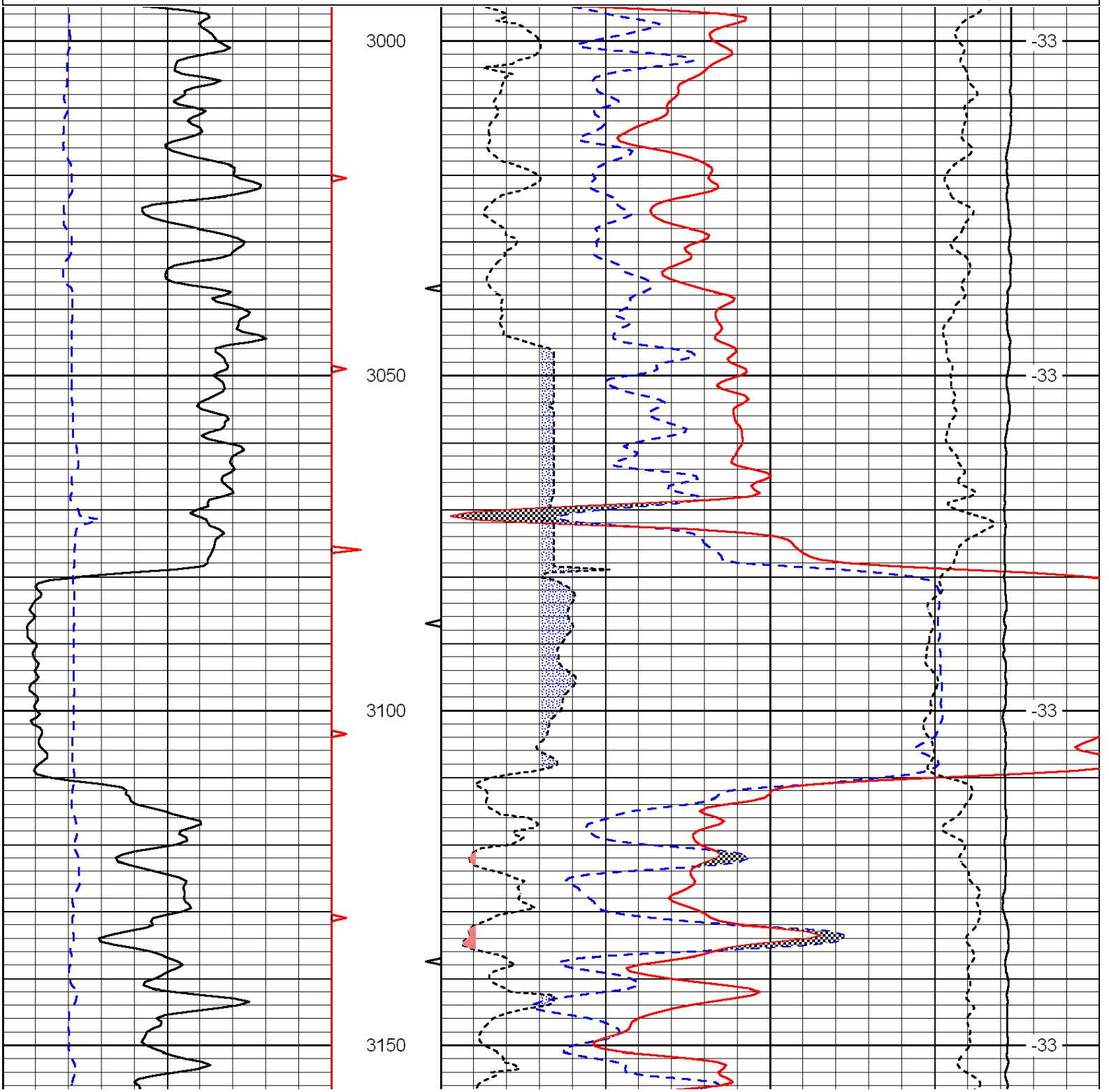
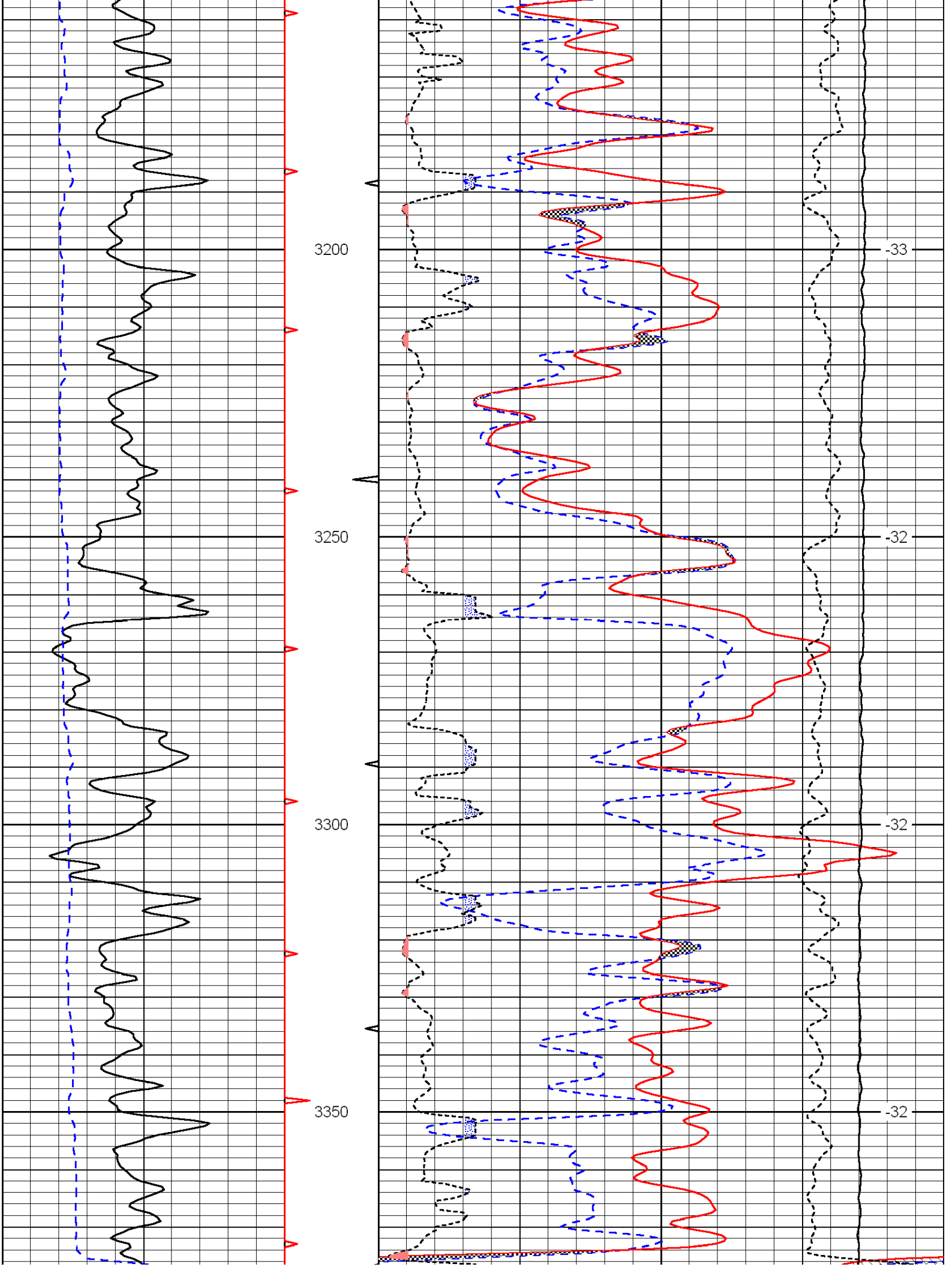
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)	-10
			2.625 DGA 3.425	-0.25 Correction	0.25
			15000	Line Tension	0
					LSPD

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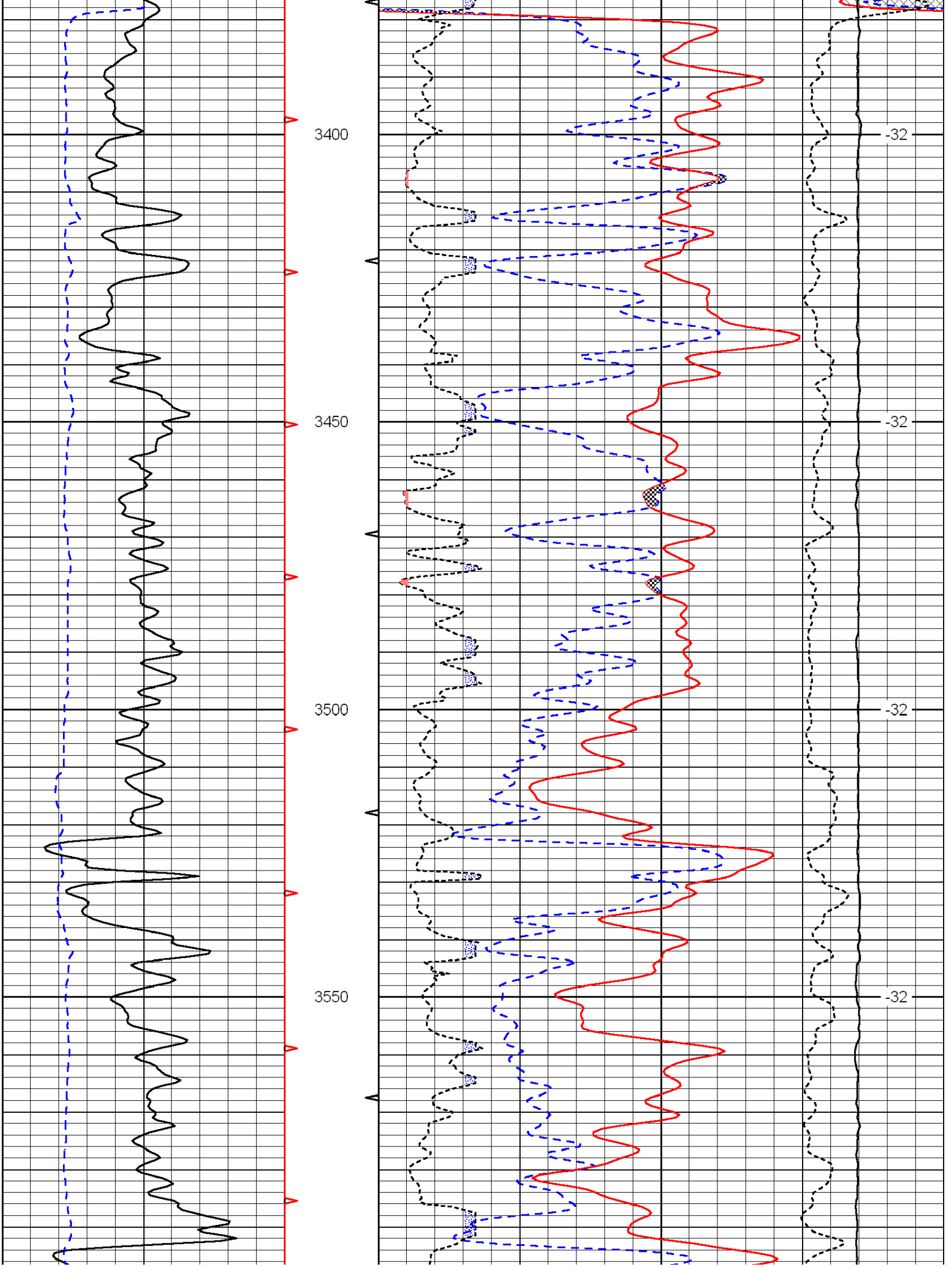
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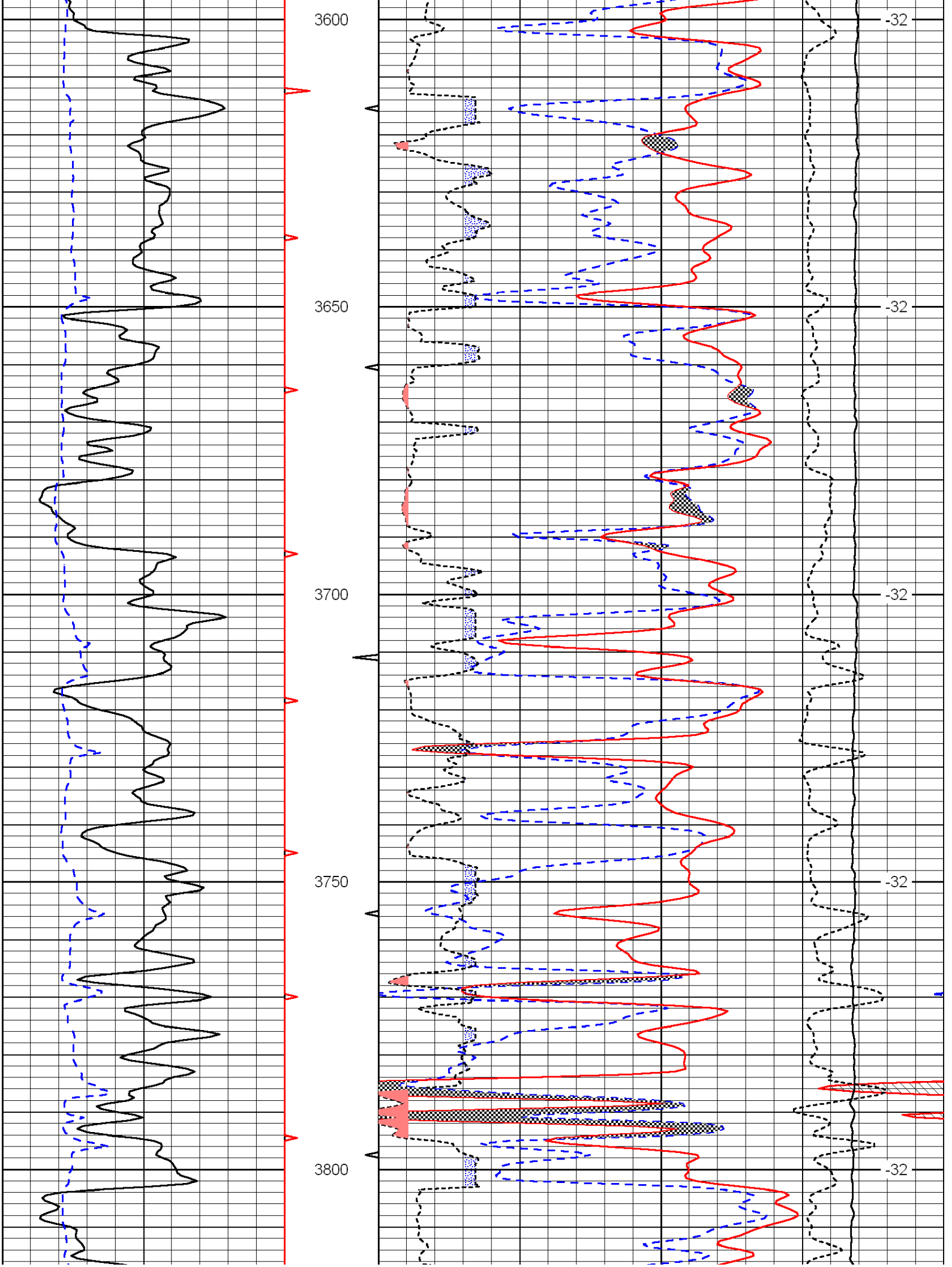
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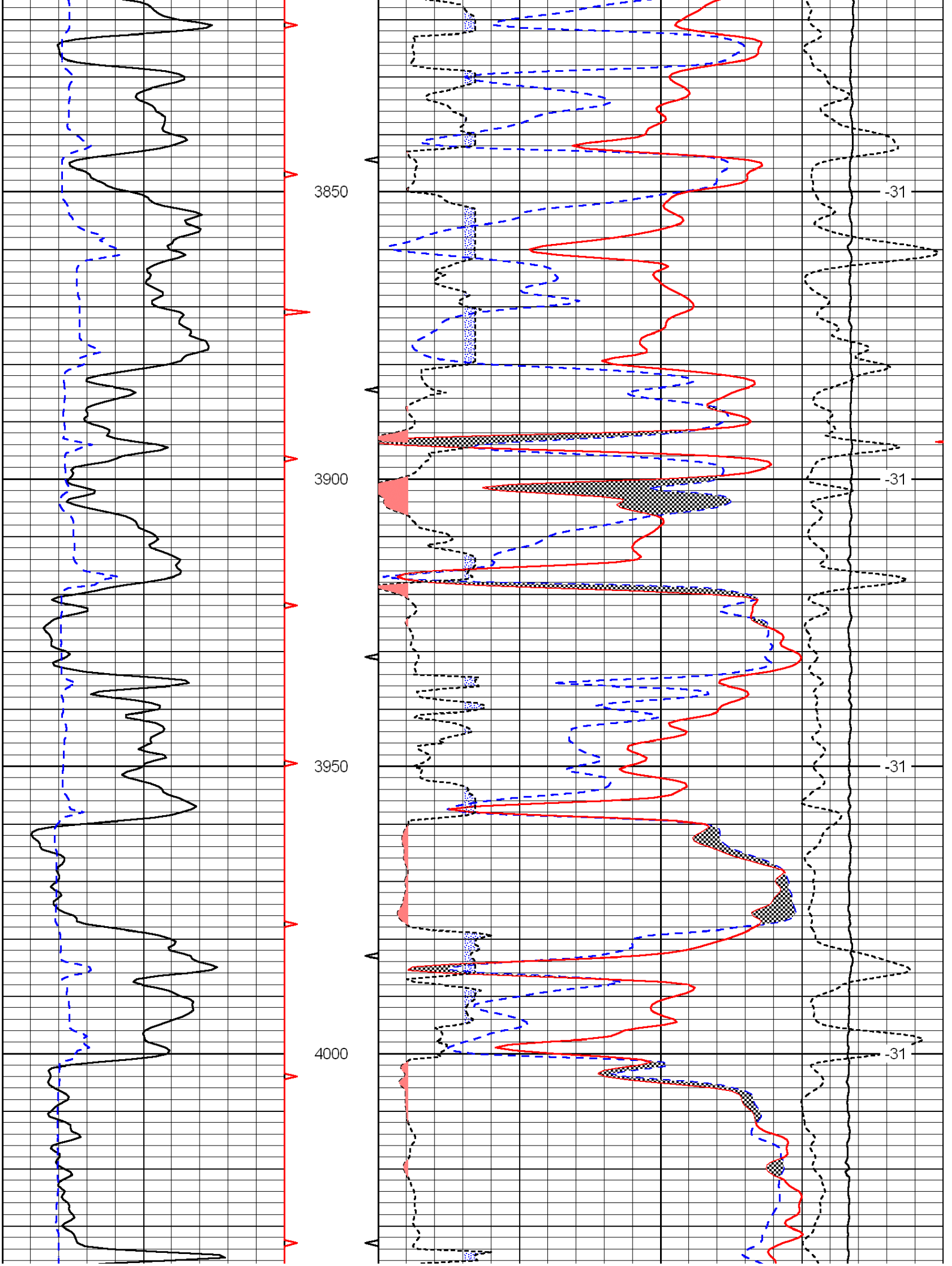
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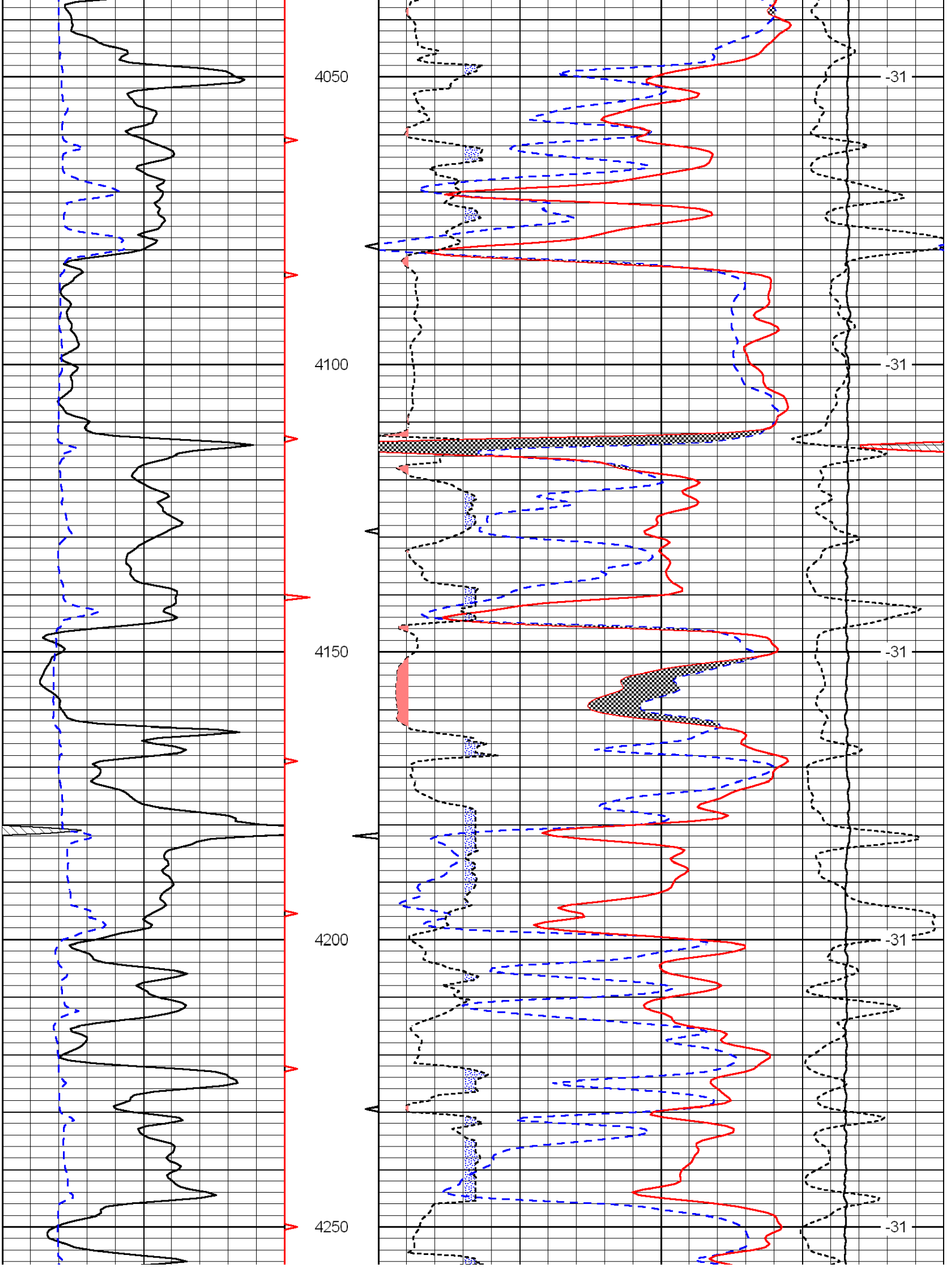
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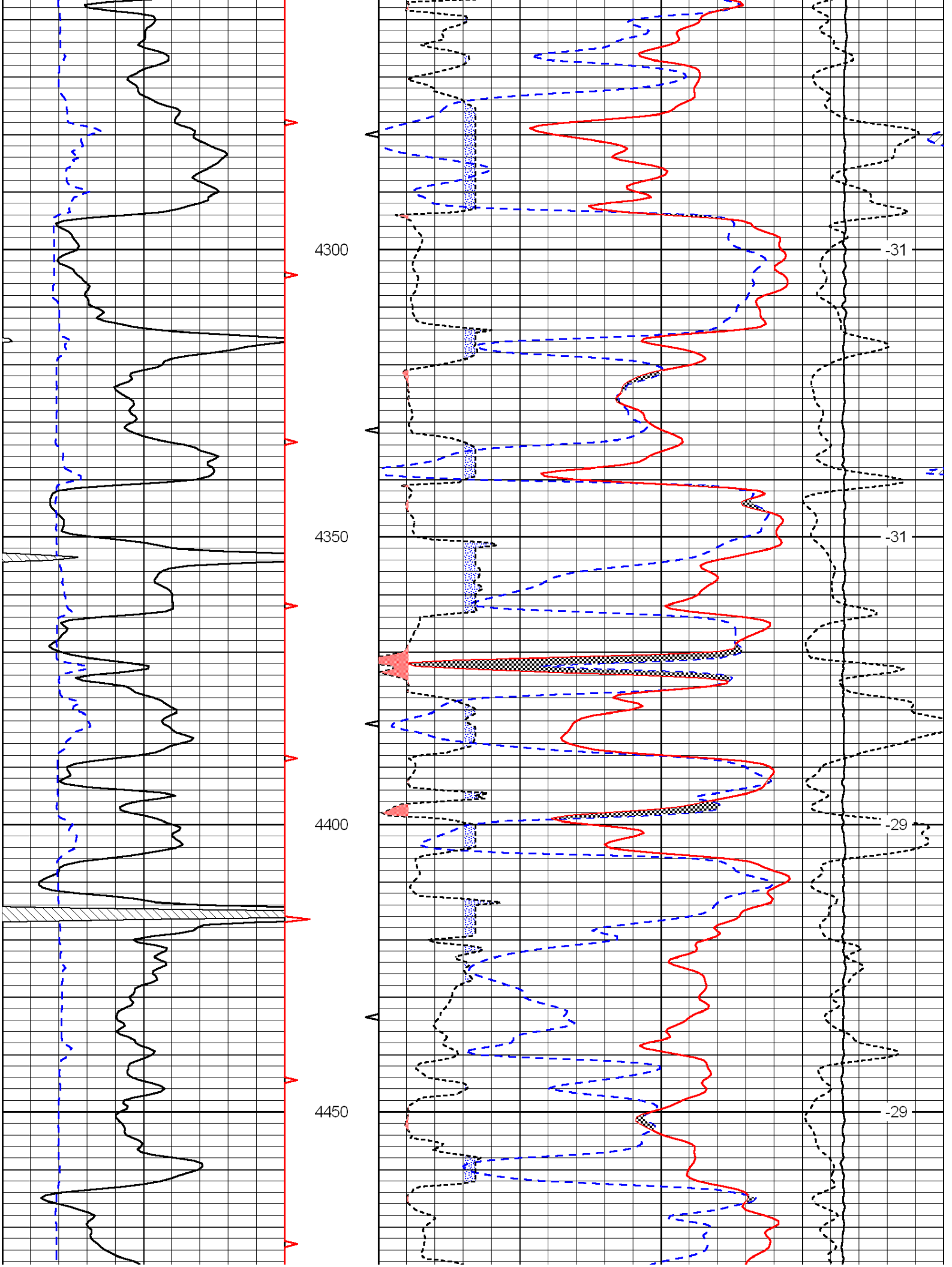
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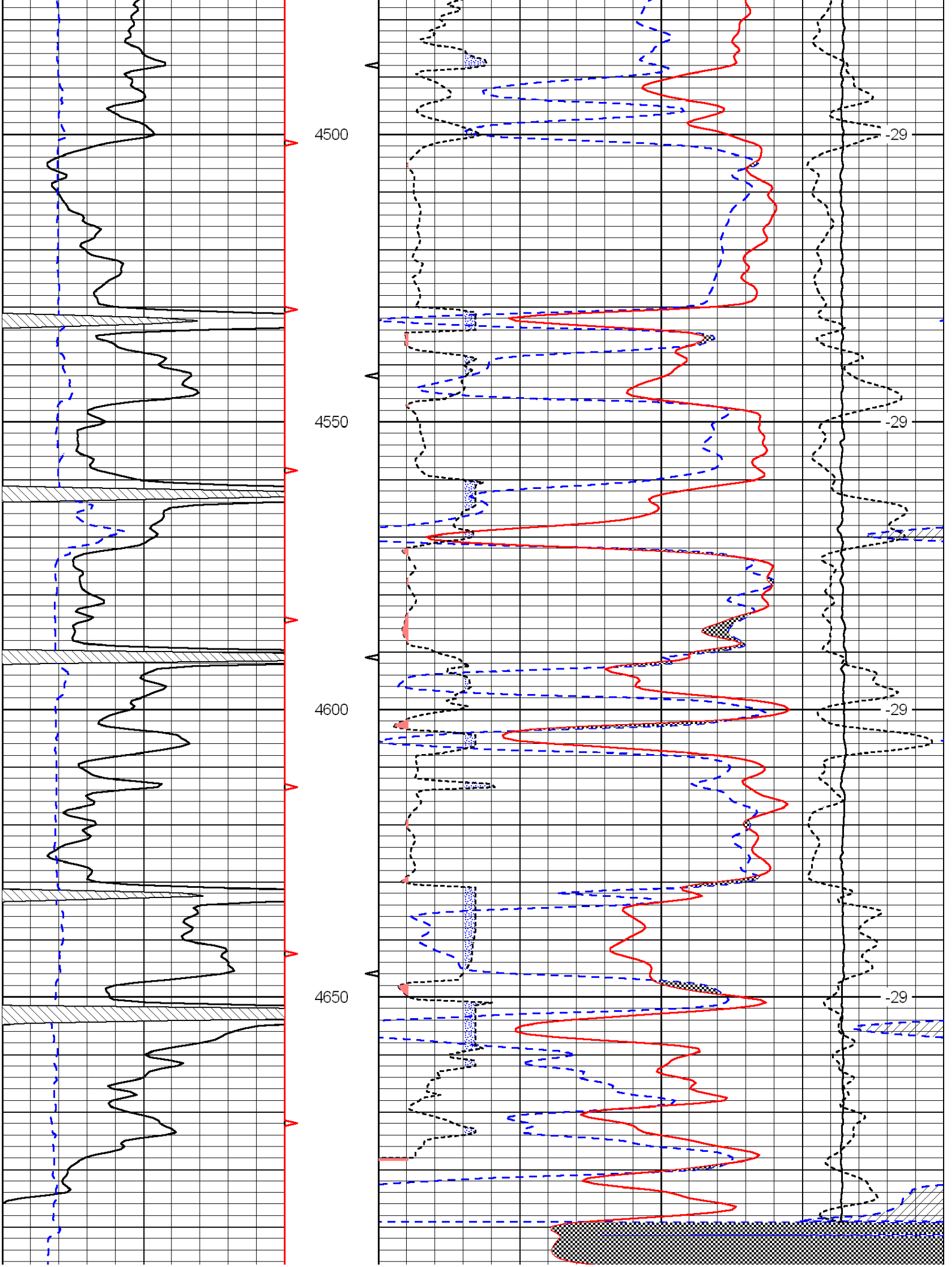
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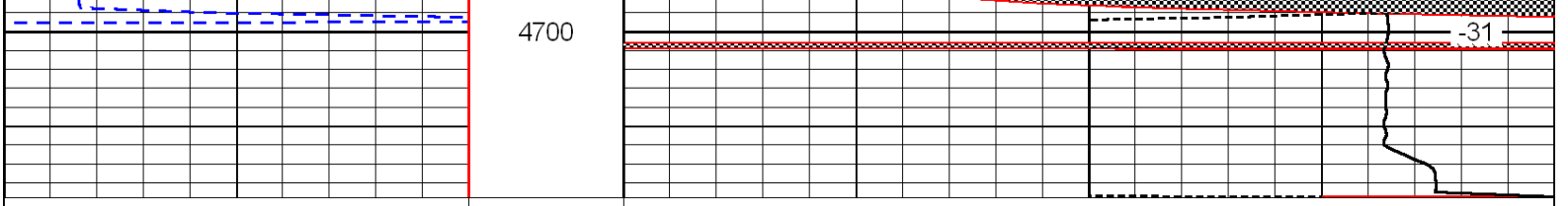


0	Gamma Ray	150	30	Compensated Neutron (Limestone)			-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)			-10
			2.625	DGA	3.425	-0.25 Correction	0.25
			15000	Line Tension			0
							LSPD

LOG-TECH

DIGITAL LOG (785) 625-3858

Microresistivity Log

API No. 15-023-21,334-00-00

Company: Cholla Production, LLC
Well: Zimbelman No.1-3
Field: Wildcat
County: Cheyenne State: Kansas

Location: 660' FNL & 1980' FWL
Sec: 3 Twp: 2S Rge: 39W

Other Services: CNL/CDL, DIL

Permanent Datum: Ground Level — Elevation 3125
Log Measured From: Kelly Bushing — 5 Ft. Above Perm. Datum
Drilling Measured From: Kelly Bushing

Elevation: K.B. 3130, D.F., G.L. 3125

Date	11/18/2011		
Run Number	Two		
Depth Driller	4710		
Depth Logger	4712		
Bottom Logged Interval	4711		
Top Log Interval	900		
Casing Driller	8.625 @ 262		
Casing Logger	262		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	1,000		
Density / Viscosity	9.4	51	
pH / Fluid Loss	10.0	8.0	
Source of Sample	Flowline		
Rm @ Meas. Temp	1.95 @ 62		
Rmf @ Meas. Temp	1.46 @ 62		
Rmc @ Meas. Temp	2.63 @ 62		
Source of Rmf / Rmc	Charts		
Rm @ BHT	.98 @ 117		
Operating Rig Time	4 Hours		
Max Rec. Temp. F	123		
Equipment Number	17		
Location	Hays		
Recorded By	C. Desaire		
Witnessed By	Clayton Erickson		

<<< 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.
(785) 625-3858

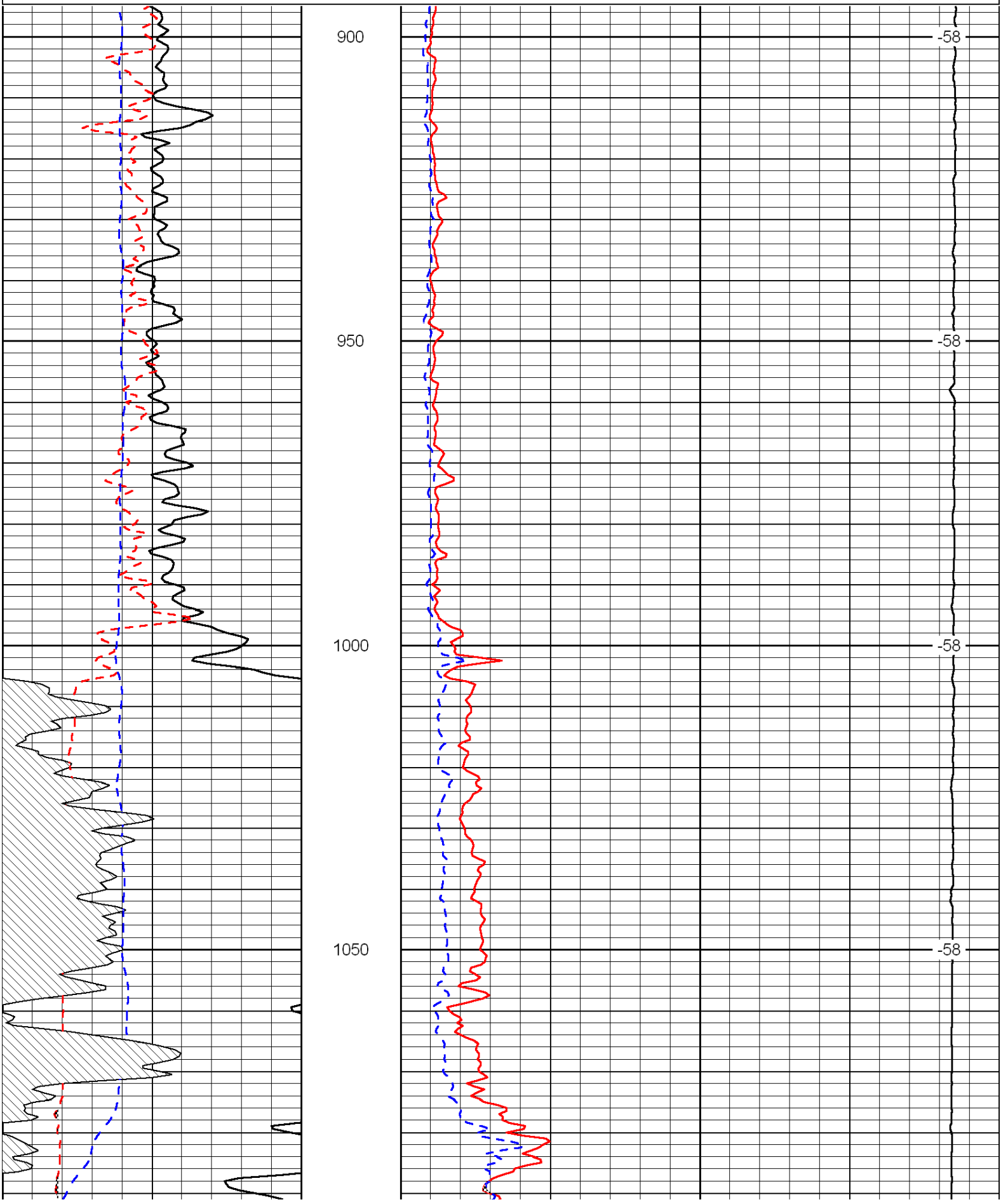
Bird City KS,
5 W to RD 23, 6 N to T,
1/2 W, 1/2 N, 1/2 W, 5 N, W Into

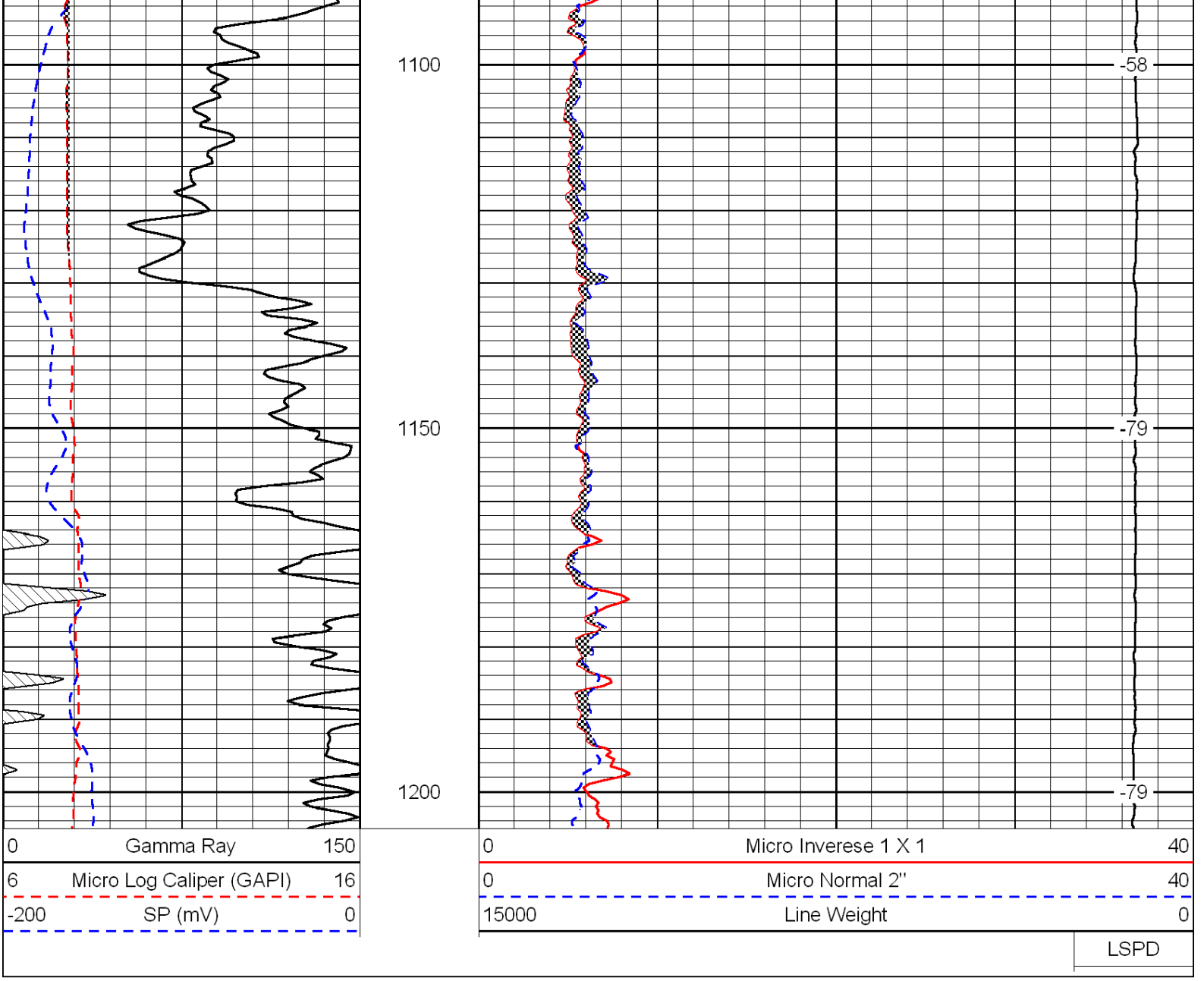
Database File: c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
Dataset Pathname: dil/chollastk
Presentation Format: micro
Dataset Creation: Fri Nov 18 12:25:00 2011
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:240

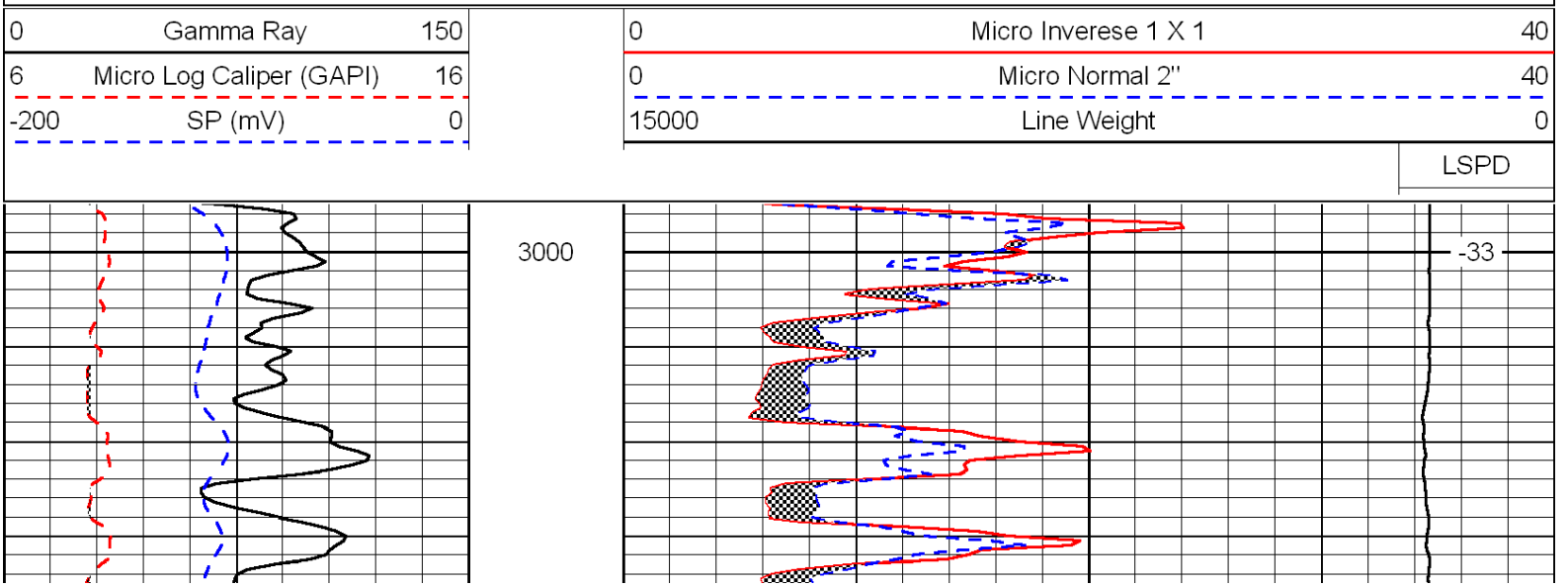
0	Gamma Ray	150	0	Micro Inverese 1 X 1	40
6	Micro Log Caliper (GAPI)	16	0	Micro Normal 2"	40
-200	SP (mV)	0	15000	Line Weight	0

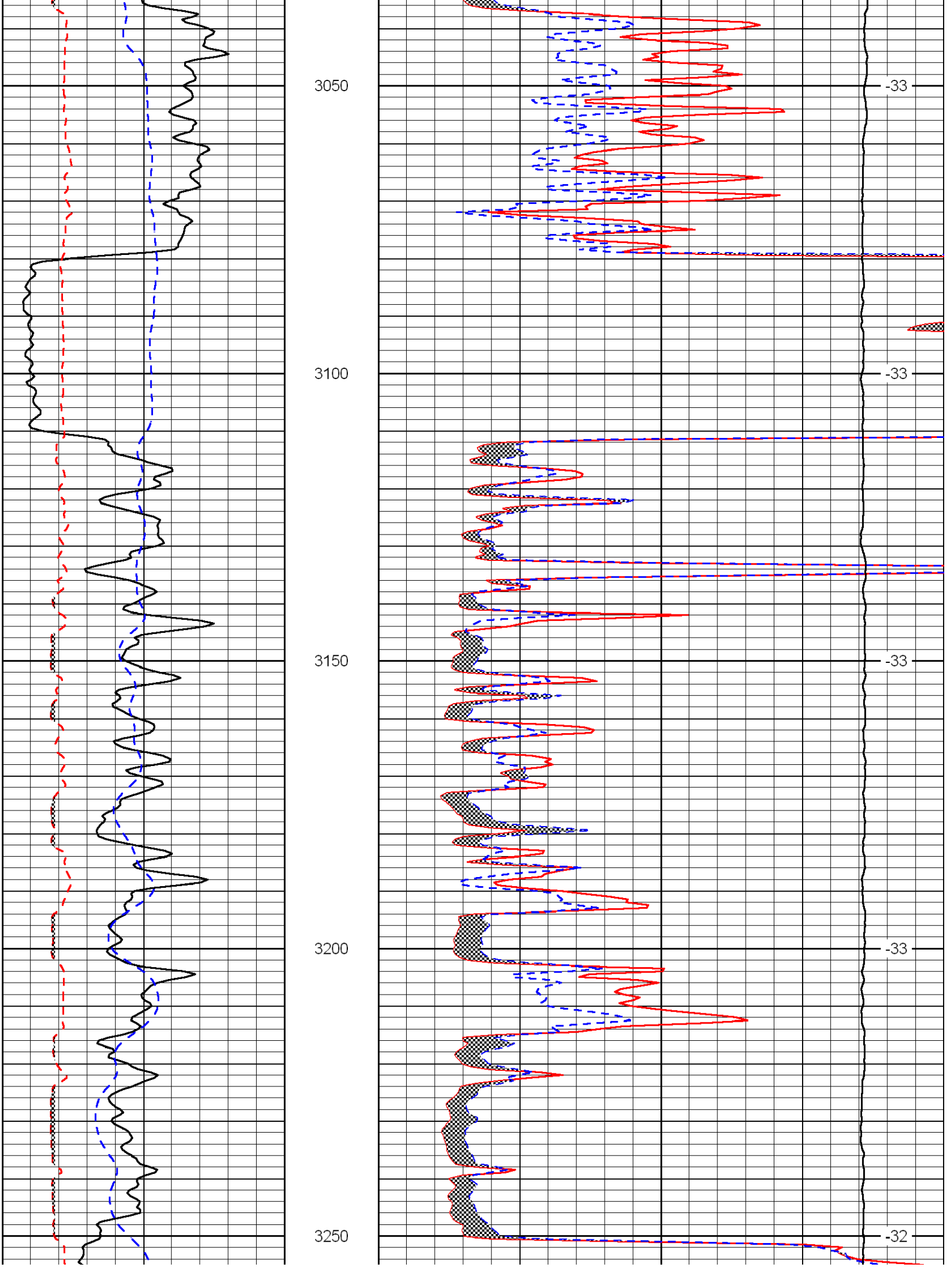
LSPD





Database File: c:\warrior\data\cholla_zimbelman no.1-3\chollahd.db
Dataset Pathname: dil/chollastk
Presentation Format: micro
Dataset Creation: Fri Nov 18 12:25:00 2011
Charted by: Depth in Feet scaled 1:240

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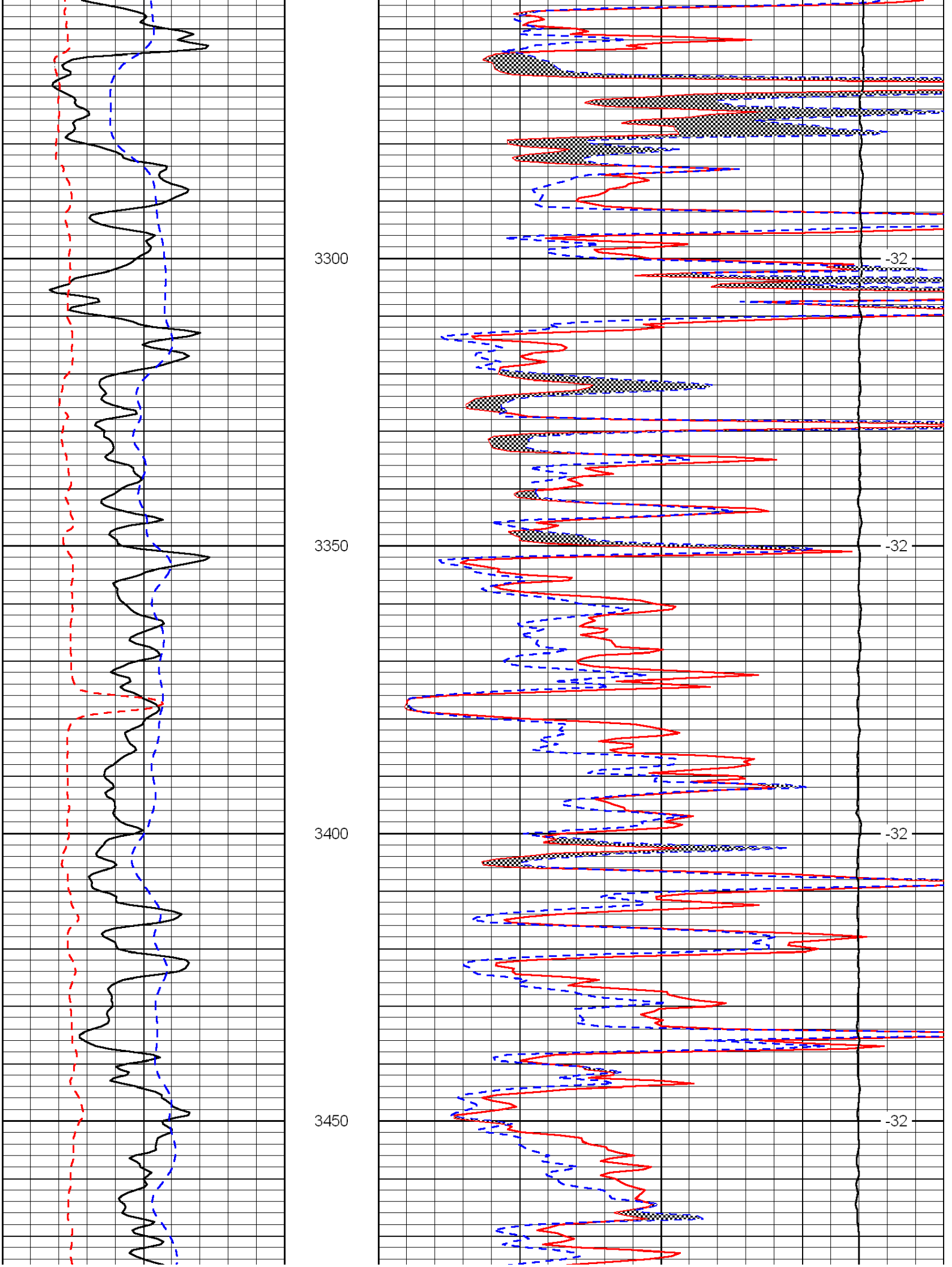
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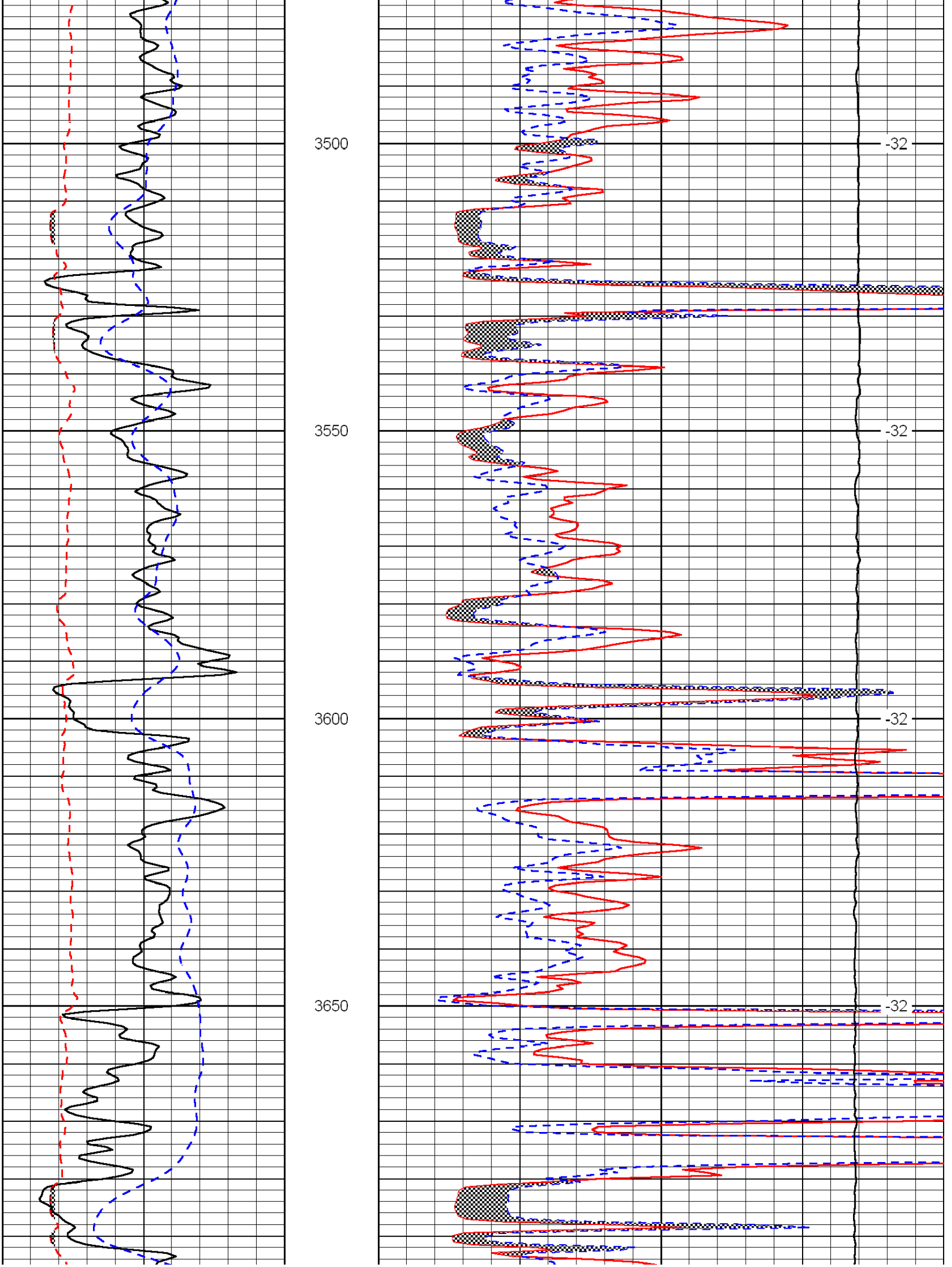
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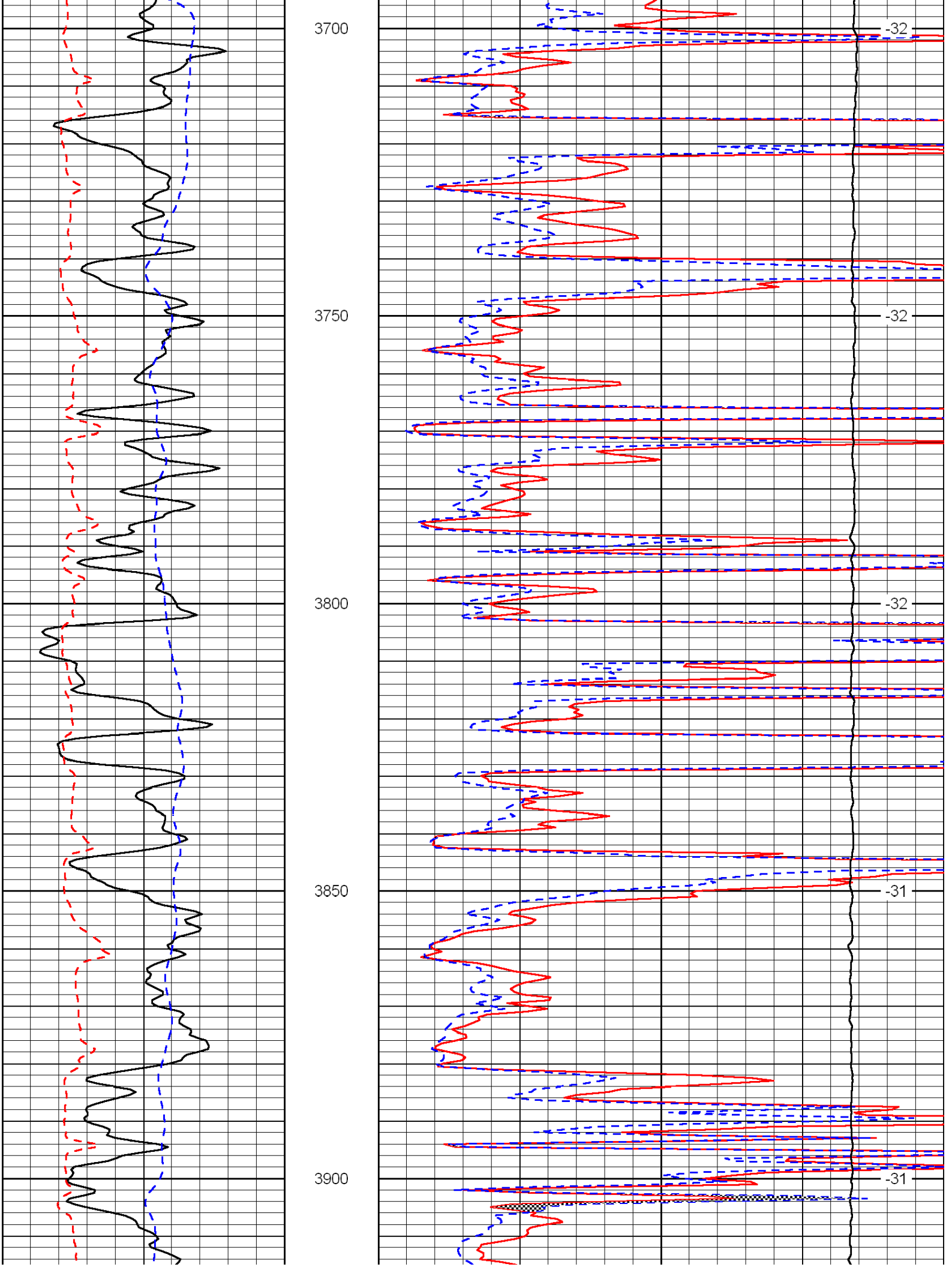
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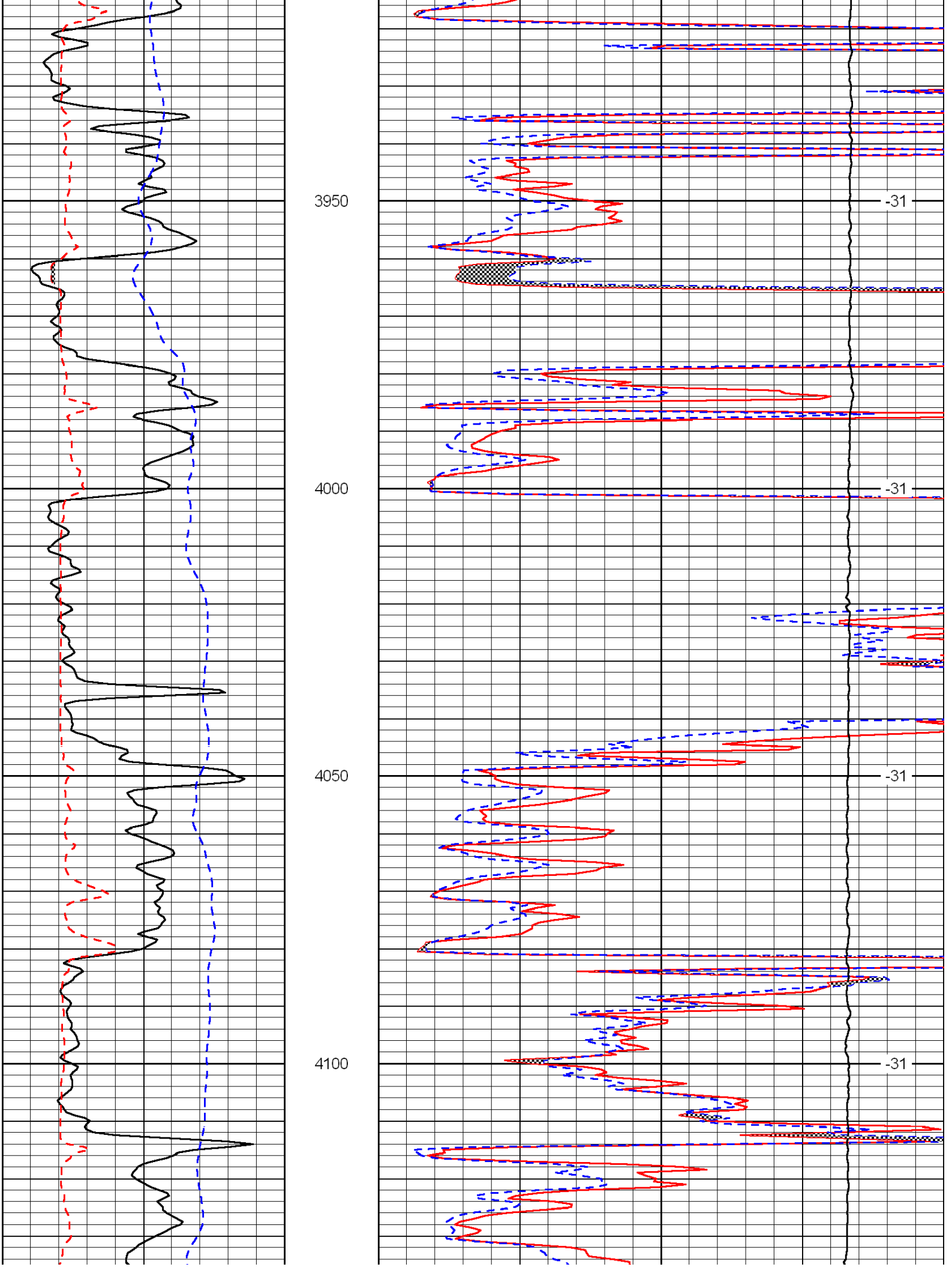
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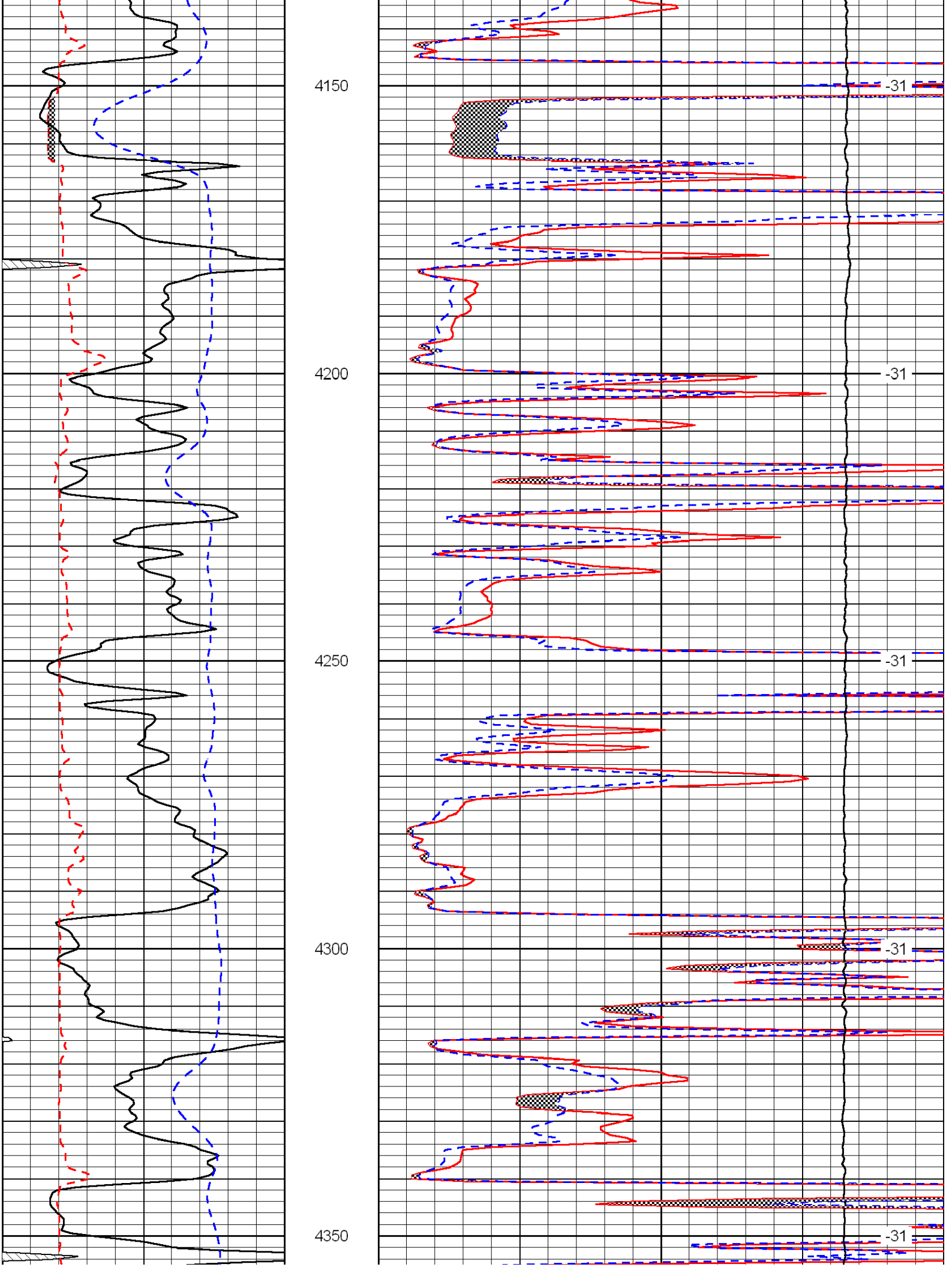
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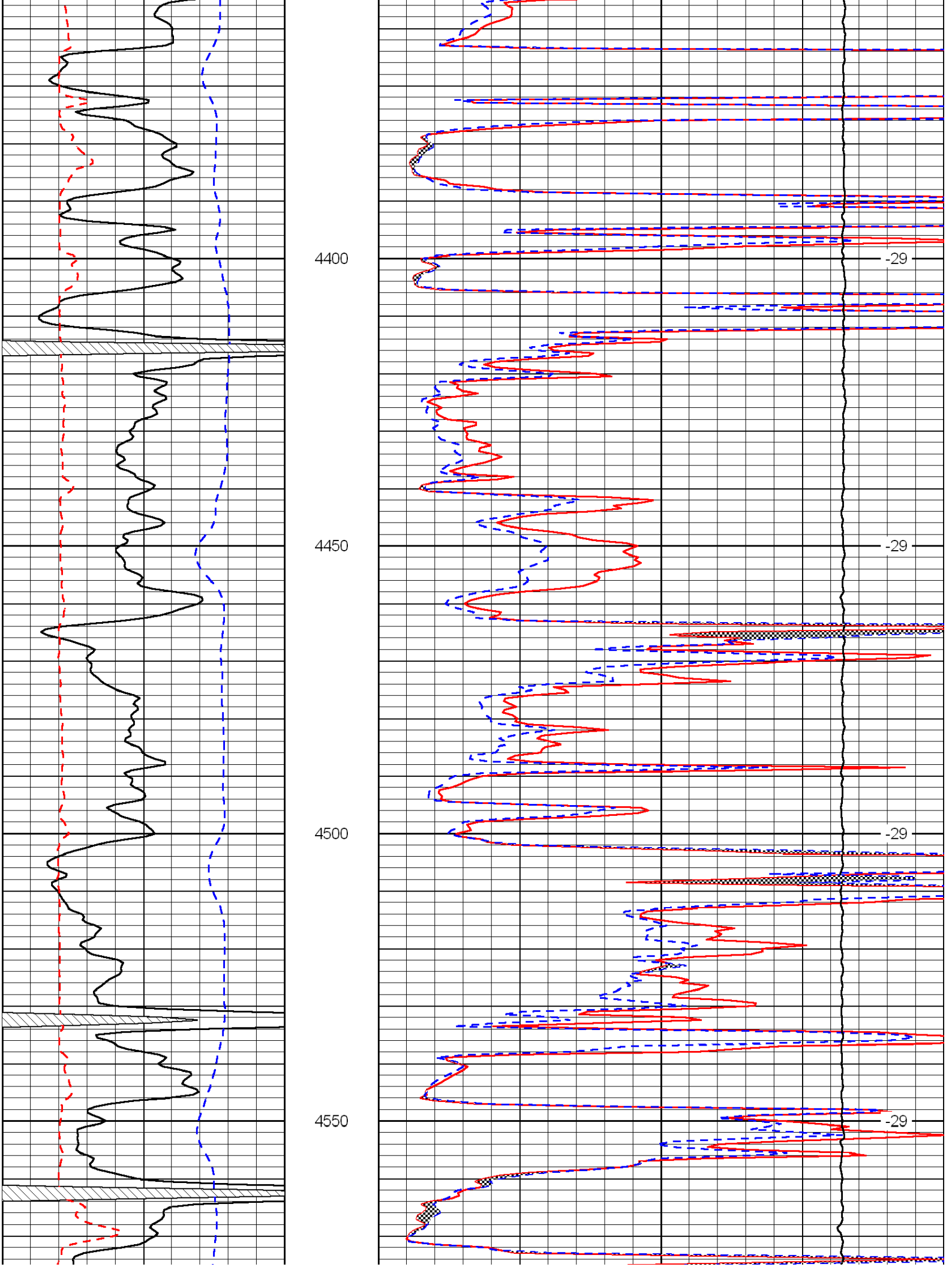
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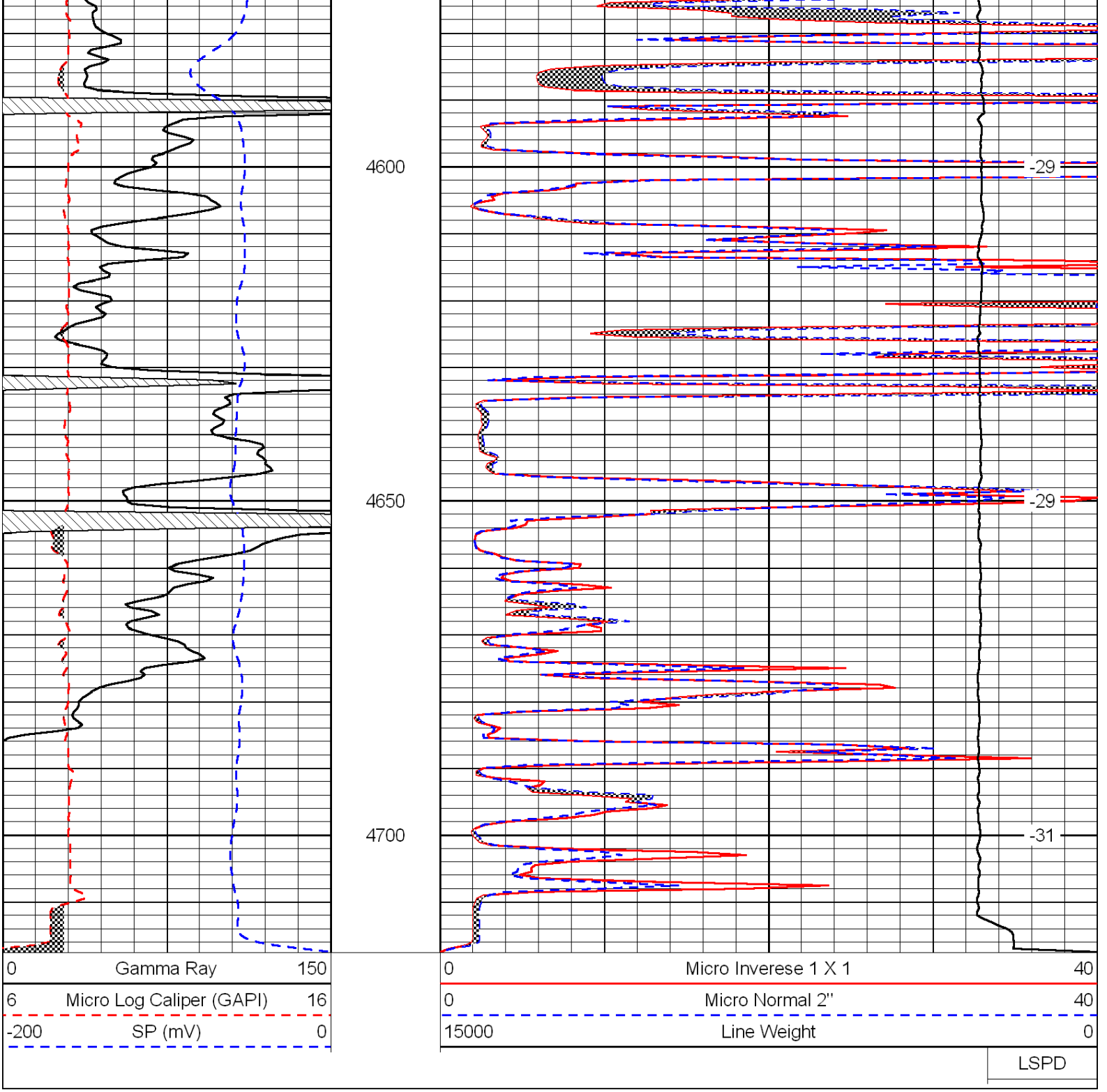
4600
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-31
0 Gamma Ray 150
6 Micro Log Caliper (GAPI) 16
-200 SP (mV) 0
0 Micro Inverese 1 X 1 40
0 Micro Normal 2" 40
15000 Line Weight 0
LSPD

DRILL STEM TEST REPORT

Cholla Production LLC.

7851 S. Elati St.
STE. 201 littleton Co.
80120
ATTN: Clayton Erickson

3 2s 39w

Zimbelman #1-3

Job Ticket: 42935 **DST#: 1**

Test Start: 2011.11.15 @ 03:10:00

GENERAL INFORMATION:

Formation: **Oread**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 05:51:00
Time Test Ended: 09:54:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreutzer Jr
Unit No: 57

Interval: 4050.00 ft (KB) To 4101.00 ft (KB) (TVD)
Total Depth: 4101.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

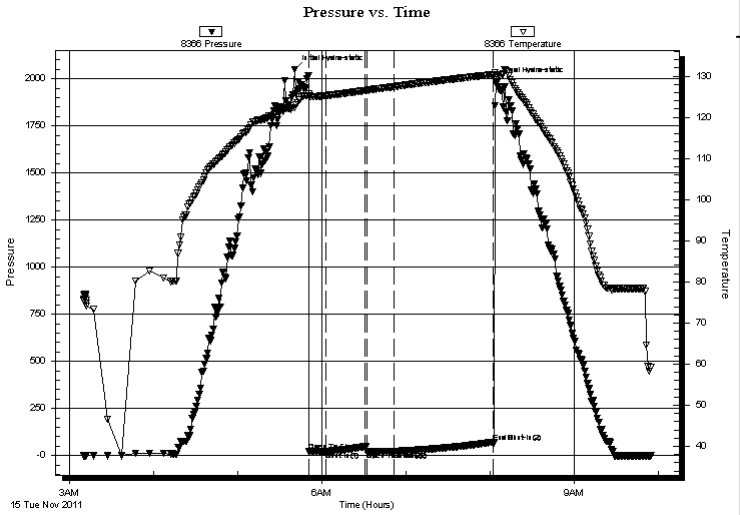
Reference Elevations: 3130.00 ft (KB)
3125.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 22.68 psig @ 4056.00 ft (KB)
Start Date: 2011.11.15 End Date: 2011.11.15
Start Time: 03:10:05 End Time: 09:54:29

Capacity: 8000.00 psig
Last Calib.: 2011.11.15
Time On Btm: 2011.11.15 @ 05:40:30
Time Off Btm: 2011.11.15 @ 08:04:00

TEST COMMENT:
IF: Weak blow , Died in 8 mins.
ISI: No blow back over 30 mins.
FF: No blow over 20 mins.
FSI: No blo over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2049.24	122.41	Initial Hydro-static
11	21.32	125.16	Open To Flow (1)
23	22.17	125.29	Shut-In(1)
51	48.23	126.53	End Shut-In(1)
52	22.37	126.57	Open To Flow (2)
71	22.68	127.48	Shut-In(2)
142	72.53	130.41	End Shut-In(2)
144	1984.54	130.47	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
3.00	mud-100%	0.01
0.00	sampler-50 psi 2000ml. mud	0.00

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC.

7851 S. Elati St.
STE. 201 littleton Co.
80120
ATTN: Clayton Erickson

3 2s 39w

Zimbelman #1-3

Job Ticket: 42935 **DST#: 1**

Test Start: 2011.11.15 @ 03:10:00

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:	ppm
Viscosity:	53.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.19 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

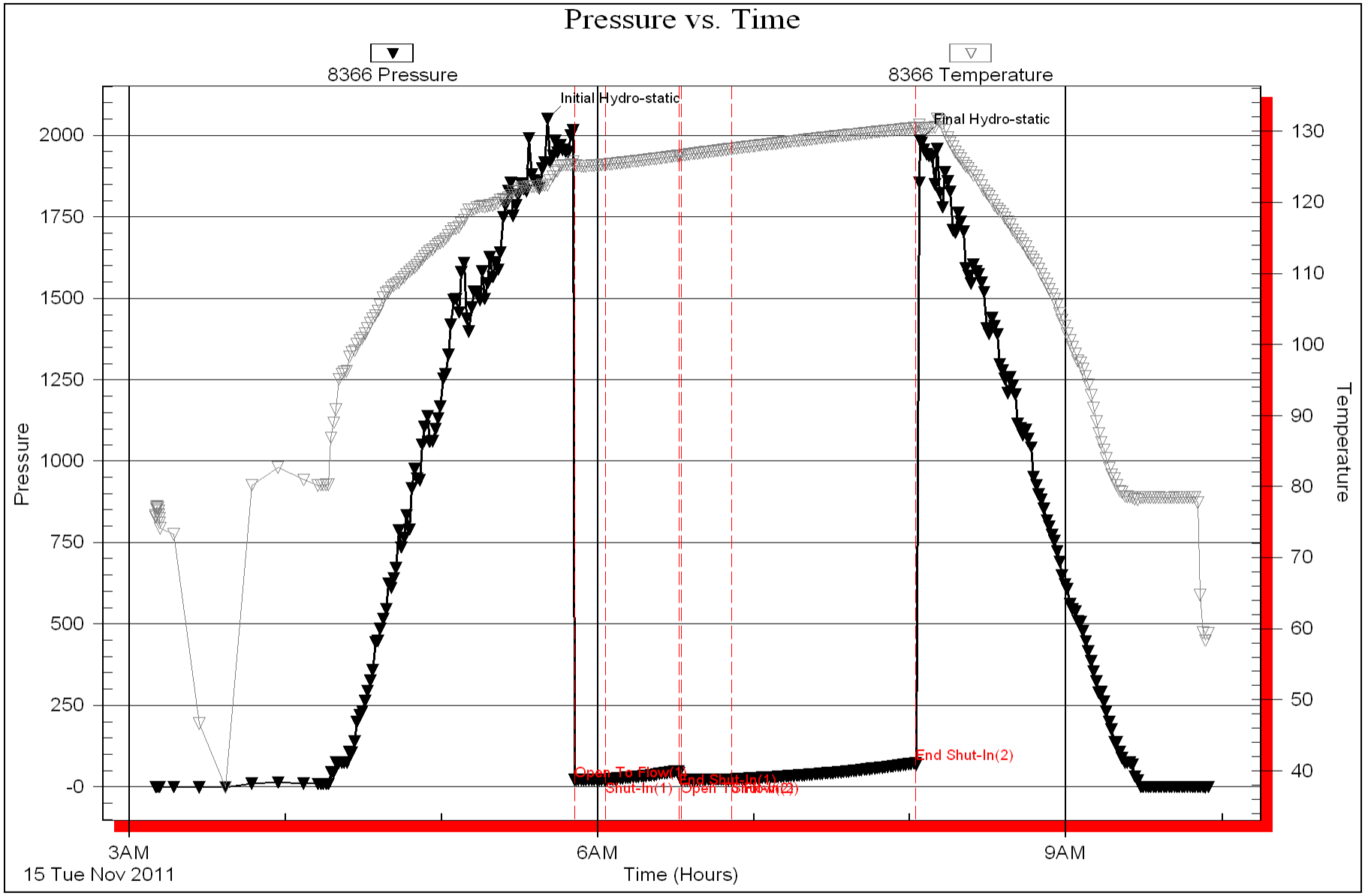
Length ft	Description	Volume bbl
3.00	mud-100%	0.015
0.00	sampler-50 psi 2000ml. mud	0.000

Total Length: 3.00 ft Total Volume: 0.015 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:


Pressure vs. Time
8366 Pressure
8366 Temperature
Initial Hydro-static
Final Hydro-static
Open To Flow(1)
End Shut-In(1)
Shut-In(1)
Open To Flow(2)
Shut-In(2)
End Shut-In(2)
Pressure
Temperature
2000
1750
1500
1250
1000
750
500
250
-0
130
120
110
100
90
80
70
60
50
40
3AM
15 Tue Nov 2011
6AM
9AM
Time (Hours)

DRILL STEM TEST REPORT

TRILOBITE TESTING, INC.

Cholla Production LLC.

7851 S. Elati St.
STE. 201 littleton Co.
80120
ATTN: Clayton Erickson

3 2s 39w

Zimbelman #1-3

Job Ticket: 042936 **DST#: 2**

Test Start: 2011.11.17 @ 10:30:00

GENERAL INFORMATION:

Formation: **Cherokee**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 12:18:30
Time Test Ended: 16:34:30

Test Type: Conventional Bottom Hole (Reset)
Tester: Chuck Kreutzer Jr.
Unit No: 57

Interval: 4557.00 ft (KB) To 4581.00 ft (KB) (TVD)
Total Depth: 4581.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair

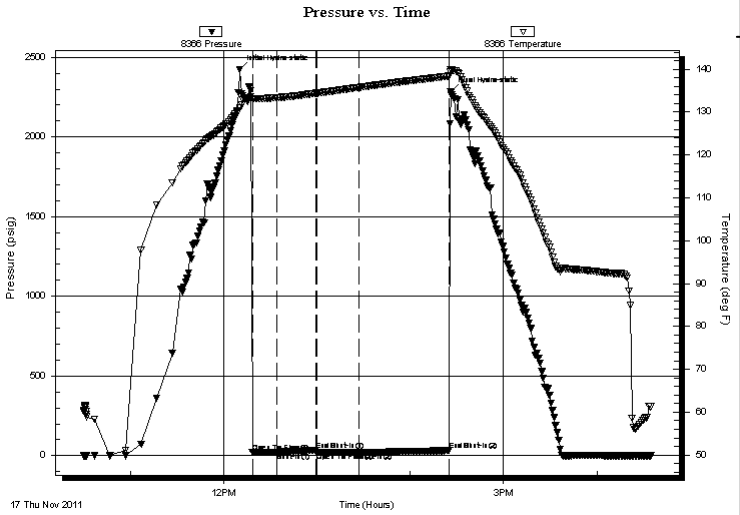
Reference Elevations: 3130.00 ft (KB)
3125.00 ft (CF)
KB to GR/CF: 5.00 ft

Serial #: 8366 **Inside**

Press@RunDepth: 20.91 psig @ 4558.00 ft (KB)
Start Date: 2011.11.17 End Date: 2011.11.17
Start Time: 10:30:05 End Time: 16:34:29

Capacity: 8000.00 psig
Last Calib.: 2011.11.17
Time On Btm: 2011.11.17 @ 12:10:30
Time Off Btm: 2011.11.17 @ 14:26:00

TEST COMMENT:
IF: Weak blow , Died in 3 mins.
ISI: No blow back over 30 mins.
FF: No blow over 20 mins.
FSI: No blow back over 60 mins.



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2424.41	130.98	Initial Hydro-static
8	19.49	133.15	Open To Flow (1)
24	21.87	133.37	Shut-In(1)
49	34.78	134.39	End Shut-In(1)
50	20.11	134.40	Open To Flow (2)
77	20.91	135.76	Shut-In(2)
135	32.63	138.39	End Shut-In(2)
136	2282.58	139.96	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
5.00	mud w ith oil specs	0.02

* Recovery from multiple tests

Gas Rates

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

DRILL STEM TEST REPORT

FLUID SUMMARY

Cholla Production LLC.

7851 S. Elati St.
STE. 201 littleton Co.
80120
ATTN: Clayton Erickson

3 2s 39w

Zimbelman #1-3

Job Ticket: 042936 **DST#: 2**

Test Start: 2011.11.17 @ 10:30:00

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:	ppm
Viscosity:	51.00 sec/qt	Cushion Volume:	bbl		
Water Loss:	7.99 in³	Gas Cushion Type:			
Resistivity:	ohm.m	Gas Cushion Pressure:	psig		
Salinity:	1000.00 ppm				
Filter Cake:	2.00 inches				

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
5.00	mud with oil specs	0.025

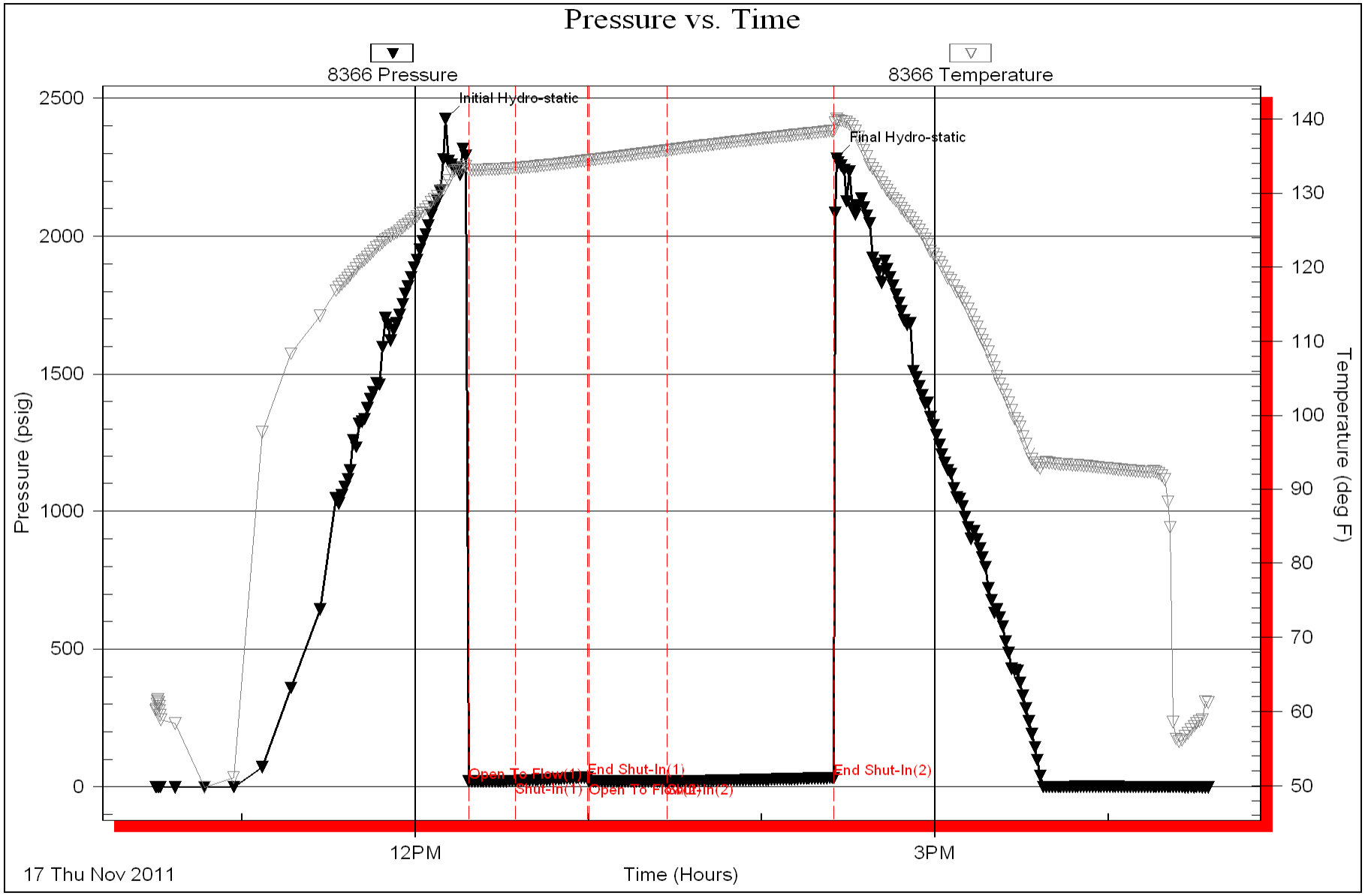
Total Length: 5.00 ft Total Volume: 0.025 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Serial #: 8366 **Inside** Cholla Production LLC. Zimbelman #1-3 DST Test Number: 2



Trilobite Testing, Inc Ref. No: 042936 Printed: 2011.11.17 @ 16:55:11

ALLIED CEMENTING CO., LLC. 036119

Federal Tax I.D.# 20-5975804

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

SERVICE POINT: Oakley KS

DATE	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
11-19-11	3	2	39		3:30am	7:30am	8:30am

LEASE	WELL #	LOCATION	COUNTY	STATE
Zimbelman	1-3	Wheeler 9N, 3E, 2½N 1½ W into	Cheyenne	KS

OLD OR NEW (Circle one)

CONTRACTOR WW #8
TYPE OF JOB PTA
HOLE SIZE 7⅞ T.D. 4710
CASING SIZE DEPTH
TUBING SIZE DEPTH
DRILL PIPE 4½ DEPTH 3100'
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG.
PERFS.
DISPLACEMENT 40.53

OWNER Same

CEMENT

AMOUNT ORDERED 205 sks 60/40 4% gel ¼# flo-seal

COMMON	123 sks	@ 16.25	1998.75
POZMIX	82 sks	@ 8.50	697.00
GEL	7 sks	@ 21.25	148.75
CHLORIDE		@	
ASC		@	
flo-seal	51#	@ 2.70	137.70
HANDLING	214 sks	@ 2.25	481.50
MILEAGE	1185/mile		2354.00

TOTAL 5817.70

EQUIPMENT

PUMP TRUCK # 431 CEMENTER LaRane
HELPER Darren
BULK TRUCK # 347 DRIVER Tyler
BULK TRUCK # DRIVER

REMARKS:

Mix 25 sks at 3100' Displace with water & mud.
Mix 100 sks at 2230' Displace with water & mud.
Mix 40 sks at 310' Displace with water
Mix 10 sks in top of hole
Mix 30 sks in rat hole.

Thank you

SERVICE

DEPTH OF JOB	3100'		
PUMP TRUCK CHARGE			1250.00
EXTRA FOOTAGE		@	
MILEAGE	100 x 2	@ 7.00	1400.00
MANIFOLD		@	
Light vehicle		@ 4.00	800.00
		@	

TOTAL 3450.00

CHARGE TO: Cholla Production
STREET
CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

TOTAL

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

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

PRINTED NAME

SIGNATURE

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/

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

Sam Brownback, Governor

January 13, 2012

Emily Hundley-goff
Cholla Production, LLC
7851 S ELATI ST STE 201
LITTLETON, CO 80120-8081

Re: ACO1
API 15-023-21334-00-00
ZIMBELMAN 1-3
NE/4 Sec.03-02S-39W
Cheyenne 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,
Emily Hundley-goff