



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1216435
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: _____

1216435

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 <i>(Attach Additional Sheets)</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
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:				

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: 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: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____	PRODUCTION INTERVAL: _____ _____
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Global Cementing LLC dba SOS LLC

18048 I-70 Road
Russell, KS 67665

Invoice

Date	Invoice #
12/15/2013	1172

Bill To
STRATAKAN EXPLORATION 204 W MILL ST PLAINVILLE,KS 67663

P.O. No.	Terms	Project
KRAUS#1	Net 30	

Quantity	Description	Rate	Amount
153	COMMON	15.50	2,371.50
102	POZ	8.50	867.00
9	GEL	23.50	211.50
70	FLO-SEAL	2.00	140.00
264	HANDLING	2.10	554.40
	BULK MILEAGE	845.00	845.00
1	TRI-PLEX PUMP CHARGE FOR ROTARY PLUG	1,200.00	1,200.00
80	PUMP TRUCK MILEAGE	6.50	520.00
80	PICKUP	2.50	200.00
	8 5/8 WOOD PLUG	57.50	57.50
	DEDUCT 15% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE GRAHAM CO	7.55%	0.00

Cement for plugging well

It's been a pleasure working with you!

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	

Total	\$6,966.90
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5921.84

SCHIPPER'S OIL FIELD SERVICES, L.L.C.

1172

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT:

Russell, KS

DATE <i>12-15-13</i>	SEC. <i>13</i>	TWP. <i>8</i>	RANGE <i>22</i>	CALLED OUT	ON LOCATION	JOB START <i>9:00pm</i>	JOB FINISH <i>10:00pm</i>
LEASE <i>Kraus</i>		WELL #. <i>1</i>	LOCATION			COUNTY <i>arakan</i>	STATE <i>ks</i>
OLD OR NEW (CIRCLE ONE)							

CONTRACTOR *White Knight*

TYPE OF JOB *Rotary Plug*

HOLE SIZE *7 7/8* T.D. *3718*

CASING SIZE DEPTH

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG.

PERFS

DISPLACEMENT

OWNER

CEMENT AMOUNT ORDERED *255sx 60/40 4%ogel*

1 1/4" F10

EQUIPMENT

PUMP TRUCK CEMENTER *Heath*

P1 HELPER *Cody*

BULK TRUCK

B3 DRIVER *Mark*

BULK TRUCK

DRIVER

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

REMARKS:

1st Plug @ 3698 = 50sx

2nd Plug @ 1650 = 25sx

3rd Plug @ 800 = 100sx

4th Plug @ 275 = 40sx

5th Plug @ 40' = 10sx and wiper plug

RH = 30sx

TOTAL

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

CHARGE TO: *Stratolon Explorations*

STREET

CITY STATE ZIP

PLUG & FLOAT EQUIPMENT

8 5/8 wood plug @

@

@

@

@

TOTAL

Schippers Oil Field Services, L.L.C.,
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

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

Global Cementing LLC dba SOS LLC

18048 I-70 Road
Russell, KS 67665

Invoice

Date	Invoice #
12/9/2013	1168

Bill To
STRATAKAN EXPLORATION 204 W MILL ST PLAINVILLE,KS 67663

P.O. No.	Terms	Project
KRAUS#1	Net 30	

Quantity	Description	Rate	Amount
200	COMMON	15.50	3,100.00
7	CALCIUM	53.00	371.00
4	GEL	23.50	94.00
211	HANDLING	2.10	443.10
	BULK MILEAGE	676.00	676.00
1	TRI-PLEX PUMP CHARGE FOR SURFACE	1,050.00	1,050.00
80	PUMP TRUCK MILEAGE	6.50	520.00
80	PICKUP	2.50	200.00
	DEDUCT 20% FROM TOTAL IF PAID WITHIN 30 DAYS OF INVOICE GRAHAM CO	7.55%	0.00

cement for surface pipe

Please remit to above address.

Total \$6,454.10

Phone #	Fax #	E-mail
785-324-2658	785-445-3526	

5163.28

Formations

Strata Kan, LLC.

Kraus #1

Production Drlg.

Rhian #1

SE-NE-NW Sec. 13-8s-13w SW-SW-SE Sec. 12-8s-22w


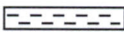

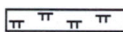
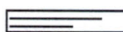
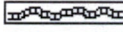




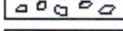


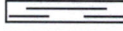

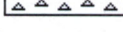


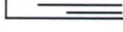

Sample

Log


Log

	Sample	Log	Log
Anhy.	1633 (+436)	1631 (+438)	1592 (+468)
Topeka	3049 (-980)	3049(-980)	3013 (-953)
Heeb.	3264 (-1195)	3264 (-1195)	3221 (-1161)
Toronto	3286 (-1217)	3286 (-1217)	3242 (-1182)
LKC	3301 (-1232)	3300 (-1231)	3300 (-1231)
BKC	3509 (-1440)	3509 (-1440)	3462 (-1402)
Arb.	3662 (-1593)	3662 (-1993)	3564 (-1504)
TD	3718 (-1649)	3721 (-1652)	3579 (-1519)










ROCK TYPES

 Anhy	 Clyst	 Gyp	 Mrst	 Shgy
 Bent	 Coal	 Igne	 Salt	 Sltst
 Brec	 Congl	 Lmst	 Shale	 Ss
 Cht	 Dol	 Meta	 Shcol	 Till

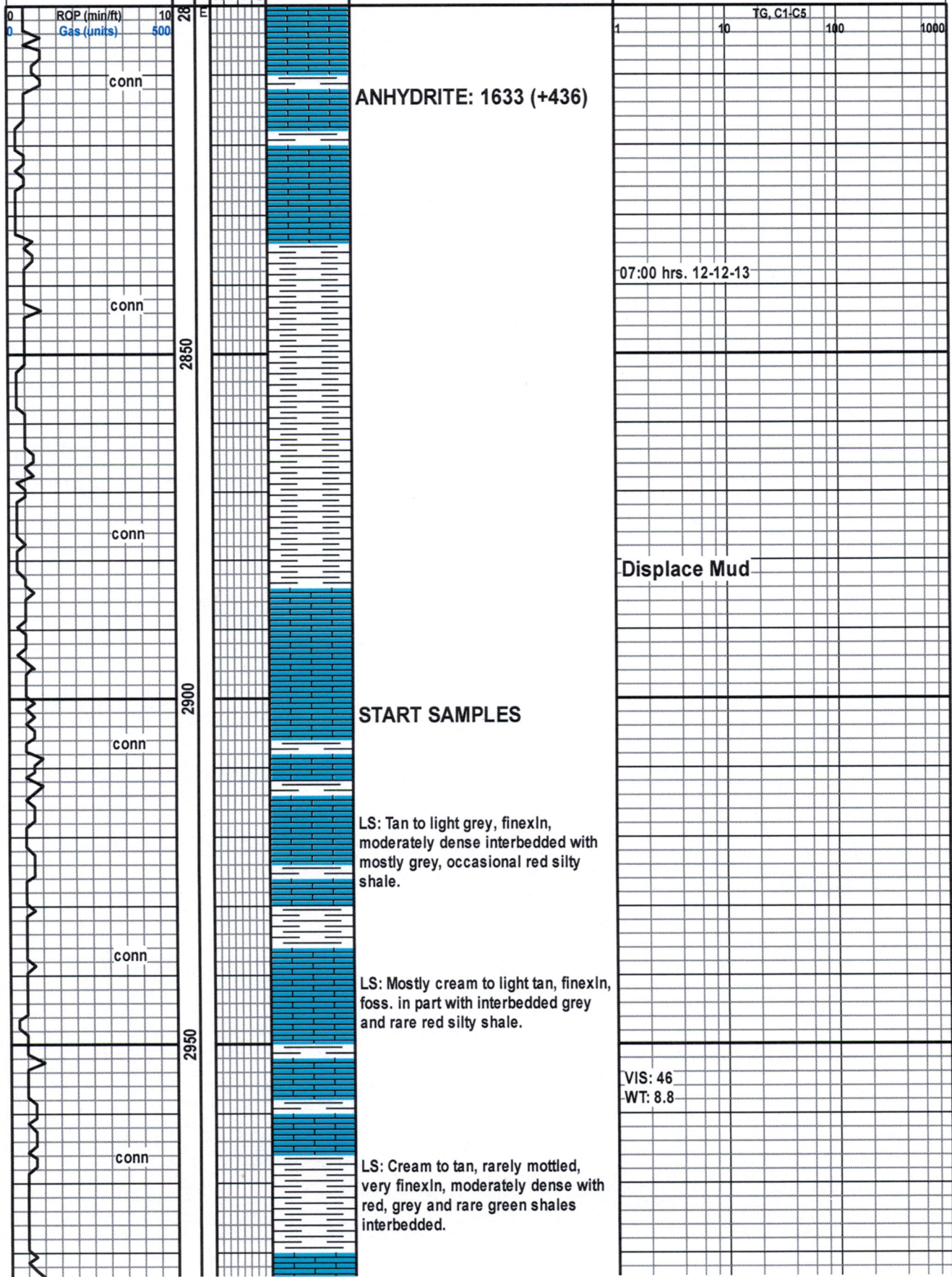
ACCESSORIES

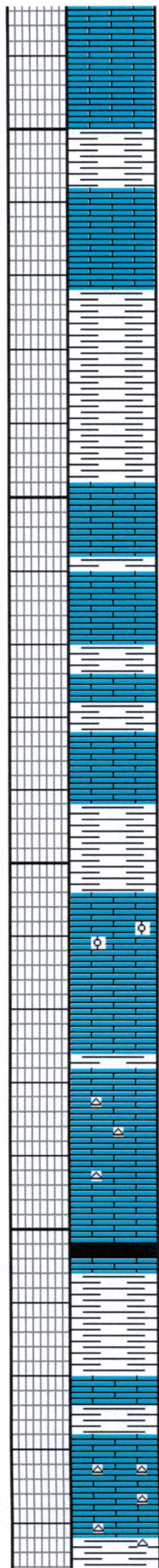
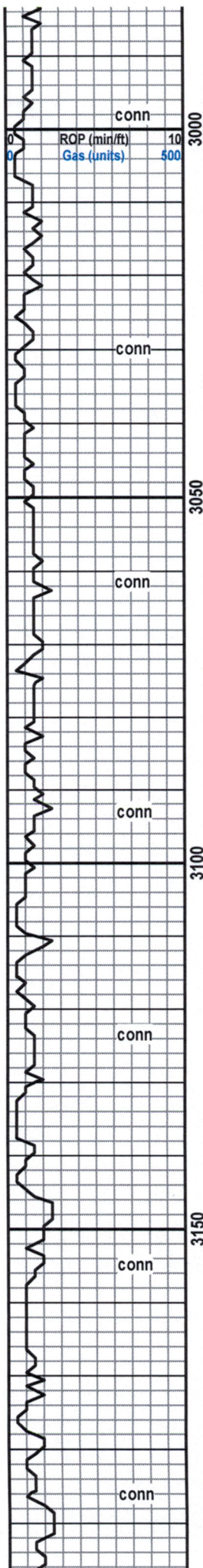
MINERAL	 Gyp	FOSSIL	 Ostra	 Sltstrg
 Anhy	 Hvymn	 Algae	 Pelec	 Ssstrg
 Arggrn	 Kaol	 Amph	 Pellet	TEXTURE
 Arg	 Marl	 Belm	 Pisolite	 Boundst
 Bent	 Minxl	 Bioclst	 Plant	 Chalky
 Bit	 Nodule	 Brach	 Strom	 Cryxln
 Brecfrag	 Phos	 Bryozoa	STRINGER	 Earthy
 Calc	 Pyr	 Cephal	 Anhy	 Finexln
 Carb	 Salt	 Coral	 Arg	 Grainst
 Chtdk	 Sandy	 Crin	 Bent	 Lithogr
 Chtlt	 Silt	 Echin	 Coal	 Microxln
 Dol	 Sil	 Fish	 Dol	 Mudst
 Feldspar	 Sulphur	 Foram	 Gyp	 Packst
 Ferrpel	 Tuff	 Fossil	 Ls	 Wackest
 Ferr		 Gastro	 Mrst	
 Glau		 Oolite		

OTHER SYMBOLS

POROSITY	 Vuggy	ROUNDING	 Spotted	EVENT
 Earthy	SORTING	 Rounded	 Ques	 Rft
 Fenest	 Well	 Subrnd	 Dead	 Sidewall
 Fracture	 Moderate	 Subang	INTERVAL	
 Inter	 Poor	 Angular	 Core	
 Moldic		OIL SHOW	 Dst	
 Organic		 Even		
 Pinpoint				

Curve Track 1 ROP (min/ft) ——— Gas (units) - - - - -	Depth Porosity Type	Porosity 24% 18% 12% 8%	Lithology	Geological Descriptions	TG, C1-C5
					TG (Units) ——— C1 (units) - - - - - C2 (units) C3 (units) C4 (units) C5 (units)





LS: Mostly grey and tan, very fine to microxln, dense, with occasional red sometimes silty shale interbedded.

LS: Mostly grey, mottled, finexln with some tan, very finexln, foss., oolitic, very dense.

LS: Cream to grey, mostly mottled, finexln, dense with abundant interbedded grey, red and rare green shale with biotite inclusions.

LS: Mostly cream, finexln rarely microxln, very dense.

LS: Cream to very light tan, marley in part, slightly foss. moderately dense.

LS: Cream to tan, finexln, foss. in part, friable to moderately dense becoming tan, very finexln, very dense.

SH: Mostly grey, platy with occasional red.

LS: Mostly cream to light tan, finexln, moderately dense with very rare dark grey, microxln, oolitic limestone.

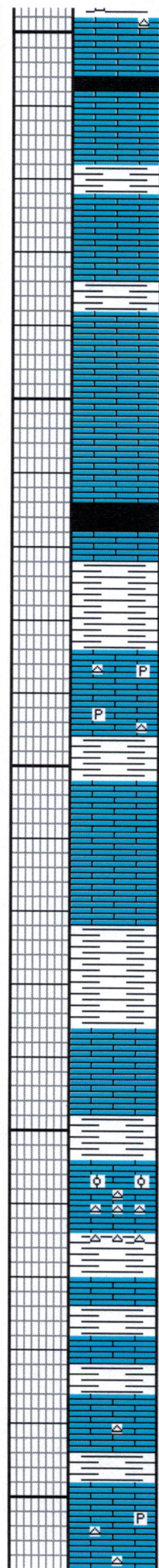
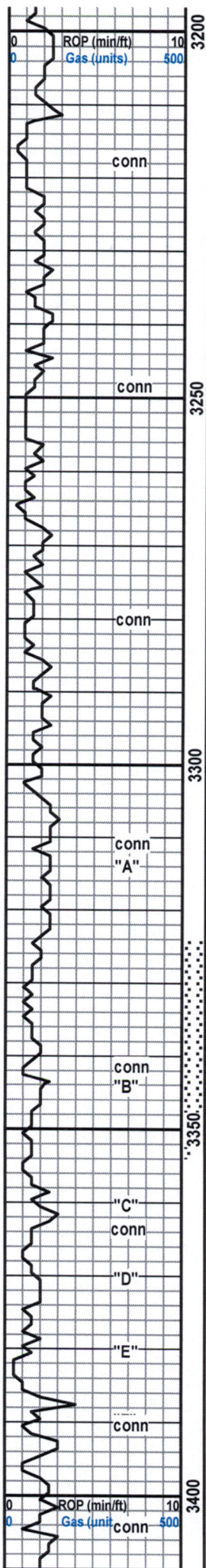
LS: Mostly cream to light tan, finexln, very friable, with fair interxln porosity, shly/marley in part with rare lighy grey, fresh opaque chert.

SH: Black carb.

SH: Mostly red, platy with some grey and green.

LS: Mostly cream to very light tan, fine to mediumxln, very foss., mostly very dense with abundant fresh, white, opaque chert.

		TG, C1-C5	
1	10	100	1000
VIS: 48			
WT: 8.6			
LCM: 1#			
FIL: 8.4			
CHL: 2000			
TOPEKA: 3049 (-980)			
VIS: 48			
WT: 8.9			
VIS: 49			
WT: 8.9			
LCM: 1.5#			



SH: Mostly red and grey with rare black, carb.

LS: Mostly cream to very light tan, finexln, sucrosic in part, very friable with fair, barren interxln porosity.

conn

LS: Cream to light tan, mostly finexln, dense with some grey, red and rare green shale interbedded.

conn

LS: Mostly cream, finexln, dense with rare free pyrite.

SH: Black, carb.

LS: Tan, very finexln, very dense.

SH: Mostly red with light grey and occasional green.

LS: Tan, very finexln, very dense with occasional cream to tan, fresh opaque chert and rare free pyrite.

SH: Mostly red and grey.

LS: White, very finexln, dense, with rare poor interxln porosity at very top.

conn "A"

LS: White, finexln, rarely microxln, very dense.

SH: Red and grey with rare very light green.

LS: Cream, finexln, mostly dense with rare fair show of free oil in rare poor to fair interxln porosity. Weak odor. Good ring cut.
NOTE: Strap at 3352' was 4.23' long to board.

conn "B"

NOTE: Between 3352 & 3366 clock stopped, autodrill out, brakes are glazed from trip. Drill time means nothing.

LS: Tan, finexln, dense with some friable, rare spotted stain with much free pyrite and cream and orange, fresh opaque chert.

SH: Red and grey.

Note: Samples are very poor due to very heavy mud. All various limestones and shales.

conn "C"

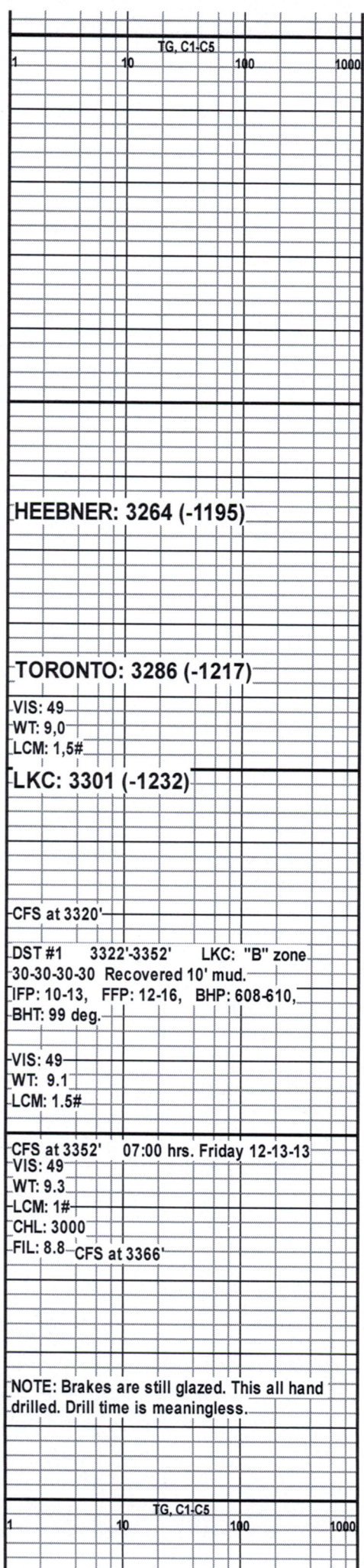
conn "D"

conn "E"

LS: Mostly cream, finexln, dense with rare scattered shows of free oil in rare interxln and vugular porosity. No odor, rare fair flush cut. Various grey red and green shales interbedded.

conn

LS: Off white to cream, mostly finexln, very dense rarely foss. with



HEEBNER: 3264 (-1195)

TORONTO: 3286 (-1217)

VIS: 49
WT: 9.0
LCM: 1.5#

LKC: 3301 (-1232)

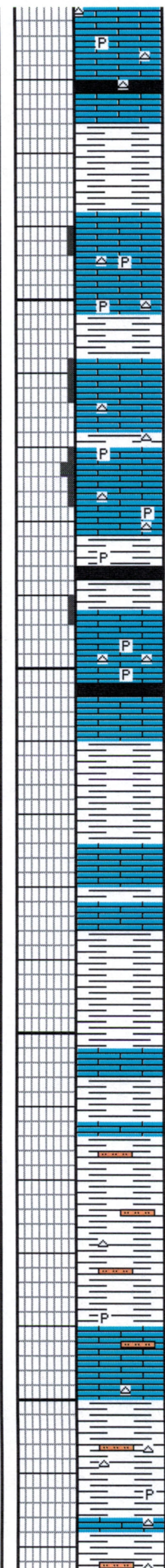
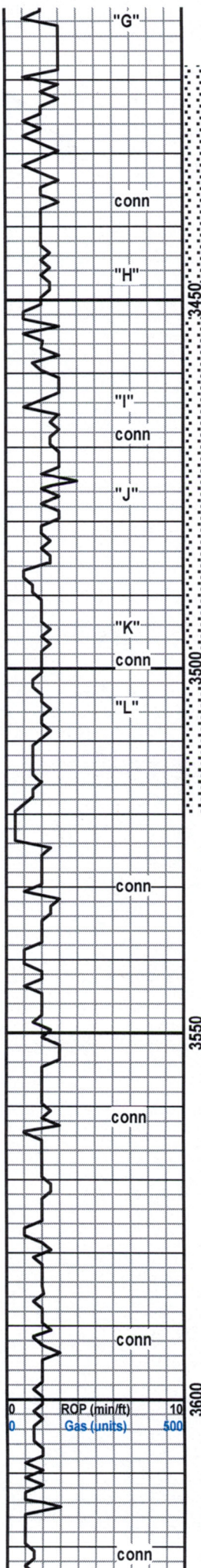
CFS at 3320'

DST #1 3322'-3352' LKC: "B" zone
30-30-30-30 Recovered 10' mud.
IFP: 10-13, FFP: 12-16, BHP: 608-610,
BHT: 99 deg.

VIS: 49
WT: 9.1
LCM: 1.5#

CFS at 3352' 07:00 hrs. Friday 12-13-13
VIS: 49
WT: 9.3
LCM: 1#
CHL: 3000
FIL: 8.8 CFS at 3366'

NOTE: Brakes are still glazed. This all hand drilled. Drill time is meaningless.



abundant cream fresh opaque chert (sluff?)

SH: Black, carb.

LS: Tan, very finexln, very dense.

SH: Various red, often silty with grey and rare green.

LS: Light grey, finexln, moderately dense with rare show of free oil in poor interxln porosity. Poor ring cut. No odor.

SH: Mostly grey with rare red.

LS: Grey fine rarely microxln, mostly dense with rare show of free oil in apparent poor interxln porosity. Poor cut.

LS: Mostly cream, finexln, friable with occasional poor to fair show of free oil in interxln and rare vugular porosity. Good ring cut. Very weak odor.

SH: Black, carb. with abduent grey.

LS: Cream, finexln, with rare fair show of free oil in poor rairly fair vugular porosity. Good ring cut, very weak odor.

SH: Red and grey.

LS: Cream to tan, finexln, dense.

SH: Mostly very soft red mudstone with some grey and green shale.

LS: Cream, finexln, slightly foss. in part, dense. NS.

SH: Mostly red, generally silty with some green and grey, platy.

LS: Cream, finexln, dense.

SH: Mostly red, very soft, silty in part, Occasional grey, platy and green, with rare calcite and Cream to white, semitrans, fresh chert.

SH: Mostly red, very soft, silty in part with some grey and green. Abundant fresh, cream chert.

DST #2 3417'-3520' LKC: "H-I-J-K-L" zones.
 45-6045-60. Recovered 100' drilling mud.
 IFP: 14-35, FFP: 36-51, BHP: 429-405,
 BHT: 102 dedg.

CFS at 3483' 07:00 hrs Sat. 12-14-13

VIS: 48
 WT: 9.2

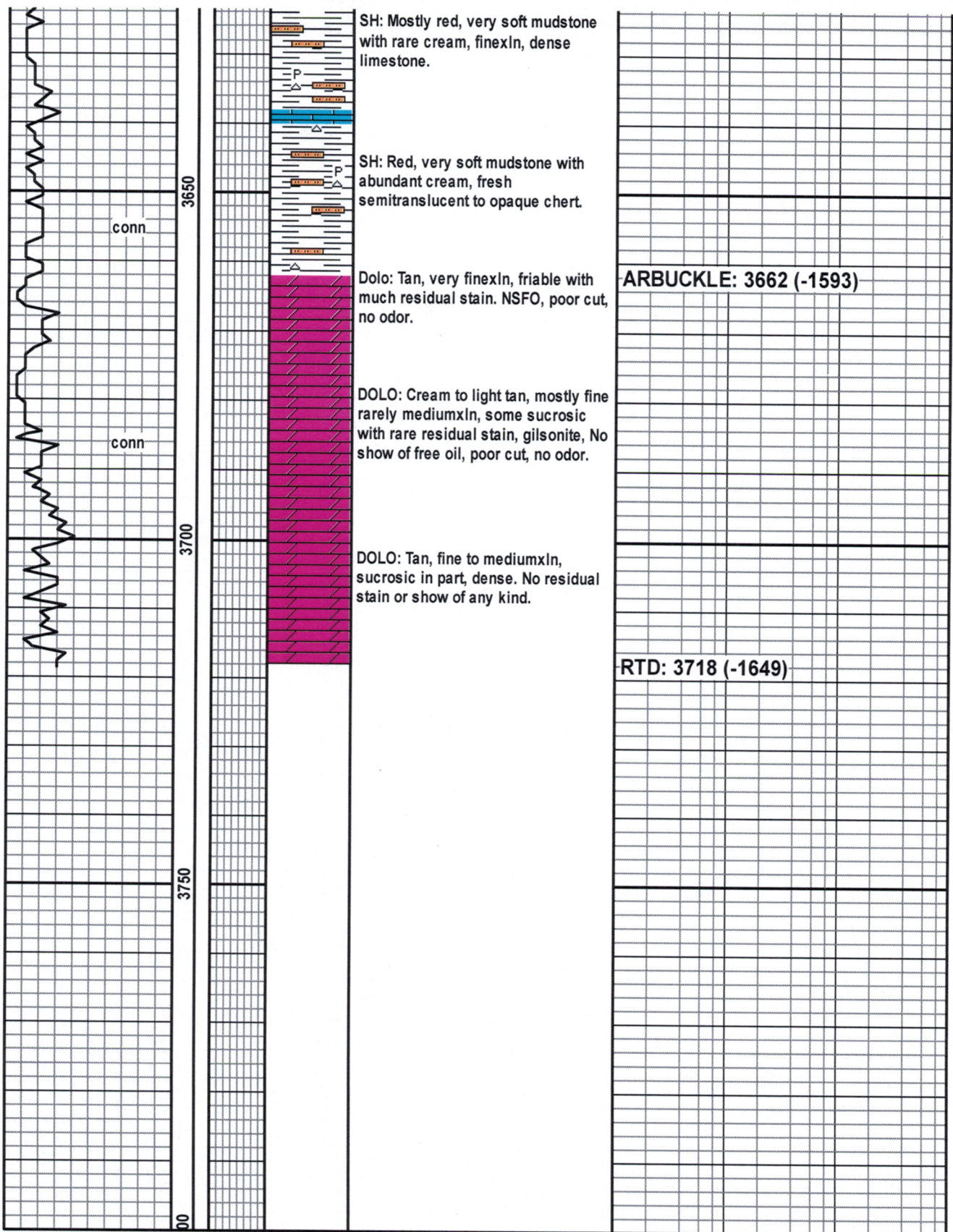
**Base Kansas City:
 3509 (-1440)**

CFS at 3520'

VIS: 48
 WT: 9.3
 LCM: 1#
 FIL: 8.8
 CHL: 2000

TG, C1-C5

VIS: 45
 WT: 9.2
 LCM: 1#





DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St
Plainville KS 67663

ATTN: Pat Balthazar

Kraus #1

13-8n-22w Graham,KS

Start Date: 2013.12.13 @ 06:55:16

End Date: 2013.12.13 @ 13:29:16

Job Ticket #: 55849 DST #: 1

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

Printed: 2013.12.18 @ 15:51:43



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55849

DST#: 1

ATTN: Pat Balthazar

Test Start: 2013.12.13 @ 06:55:16

GENERAL INFORMATION:

Formation: **LKC B**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 09:36:56

Time Test Ended: 13:29:16

Test Type: Conventional Bottom Hole (Initial)

Tester: Tate Lang

Unit No: 49

Interval: 3322.00 ft (KB) To 3352.00 ft (KB) (TVD)

Reference Elevations: 2068.00 ft (KB)

Total Depth: 3352.00 ft (KB) (TVD)

2063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 15.68 psig @ 3324.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.13

End Date:

2013.12.13

Last Calib.: 2013.12.13

Start Time: 06:55:17

End Time:

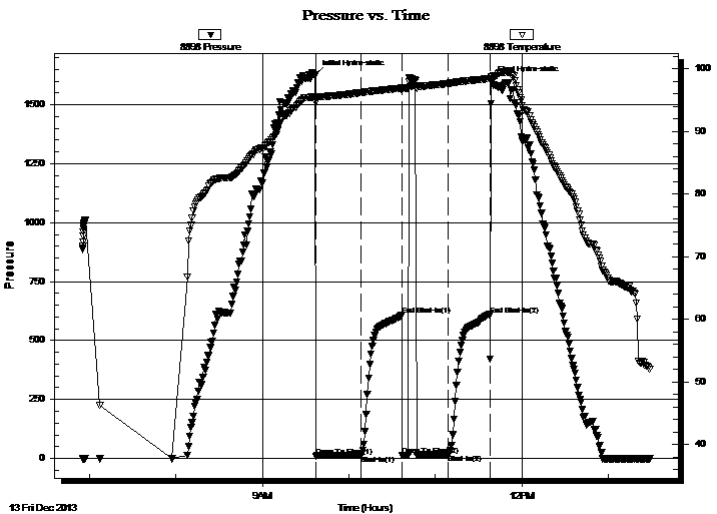
13:29:16

Time On Btm: 2013.12.13 @ 09:36:46

Time Off Btm: 2013.12.13 @ 11:38:55

TEST COMMENT: Weak surface blow built to 1/4"
Dead no blow back
Dead no blow flushed tool surged then died
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1629.34	95.62	Initial Hydro-static
1	10.21	94.61	Open To Flow (1)
32	13.14	96.20	Shut-In(1)
60	608.35	96.95	End Shut-In(1)
61	12.17	96.56	Open To Flow (2)
92	15.68	97.67	Shut-In(2)
121	610.25	98.46	End Shut-In(2)
123	1603.31	98.71	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
10.00	100%M	0.14

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55849

DST#: 1

ATTN: Pat Balthazar

Test Start: 2013.12.13 @ 06:55:16

Tool Information

Drill Pipe:	Length: 3326.00 ft	Diameter: 3.80 inches	Volume: 46.66 bbl	Tool Weight:	2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer:	20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose:	44000.00 lb
			<u>Total Volume: 46.66 bbl</u>	Tool Chased	0.00 ft
Drill Pipe Above KB:	24.00 ft			String Weight: Initial	36000.00 lb
Depth to Top Packer:	3322.00 ft			Final	36000.00 lb
Depth to Bottom Packer:	ft				
Interval between Packers:	30.00 ft				
Tool Length:	50.00 ft				
Number of Packers:	2	Diameter: 6.75 inches			
Tool Comments:					

Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Shut In Tool	5.00			3307.00	
Hydraulic tool	5.00			3312.00	
Packer	5.00			3317.00	20.00 Bottom Of Top Packer
Packer	5.00			3322.00	
Stubb	1.00			3323.00	
Perforations	1.00			3324.00	
Recorder	0.00	8897	Inside	3324.00	
Recorder	0.00	8898	Outside	3324.00	
Perforations	25.00			3349.00	
Bullnose	3.00			3352.00	30.00 Bottom Packers & Anchor
Total Tool Length:	50.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55849

DST#: 1

ATTN: Pat Balthazar

Test Start: 2013.12.13 @ 06:55:16

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: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.39 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
10.00	100%M	0.140

Total Length: 10.00 ft Total Volume: 0.140 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

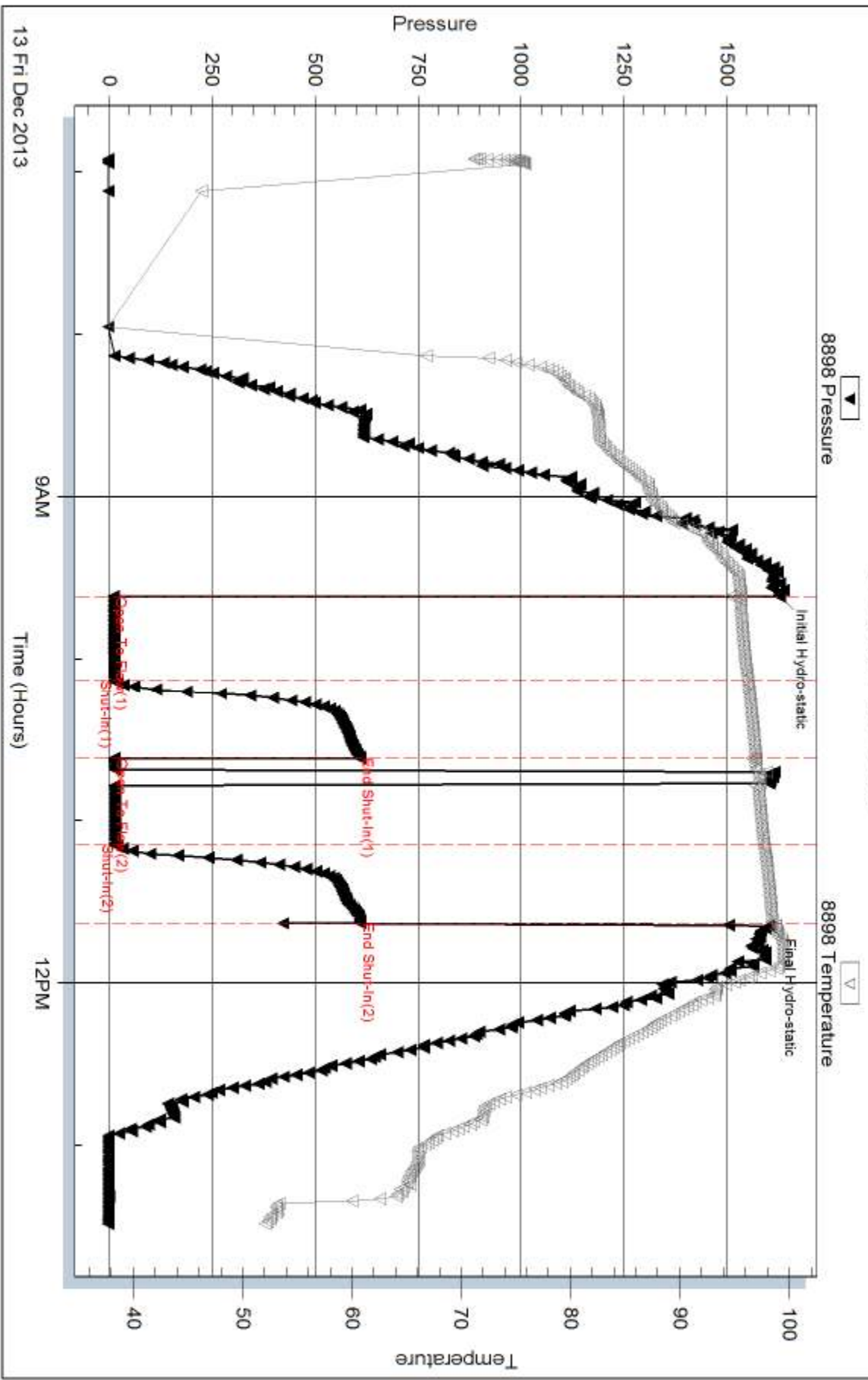
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Outside StrataKan Exploration LLC

Kraus #1

DST Test Number: 1

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 55849

Printed: 2013.12.18 @ 15:51:45

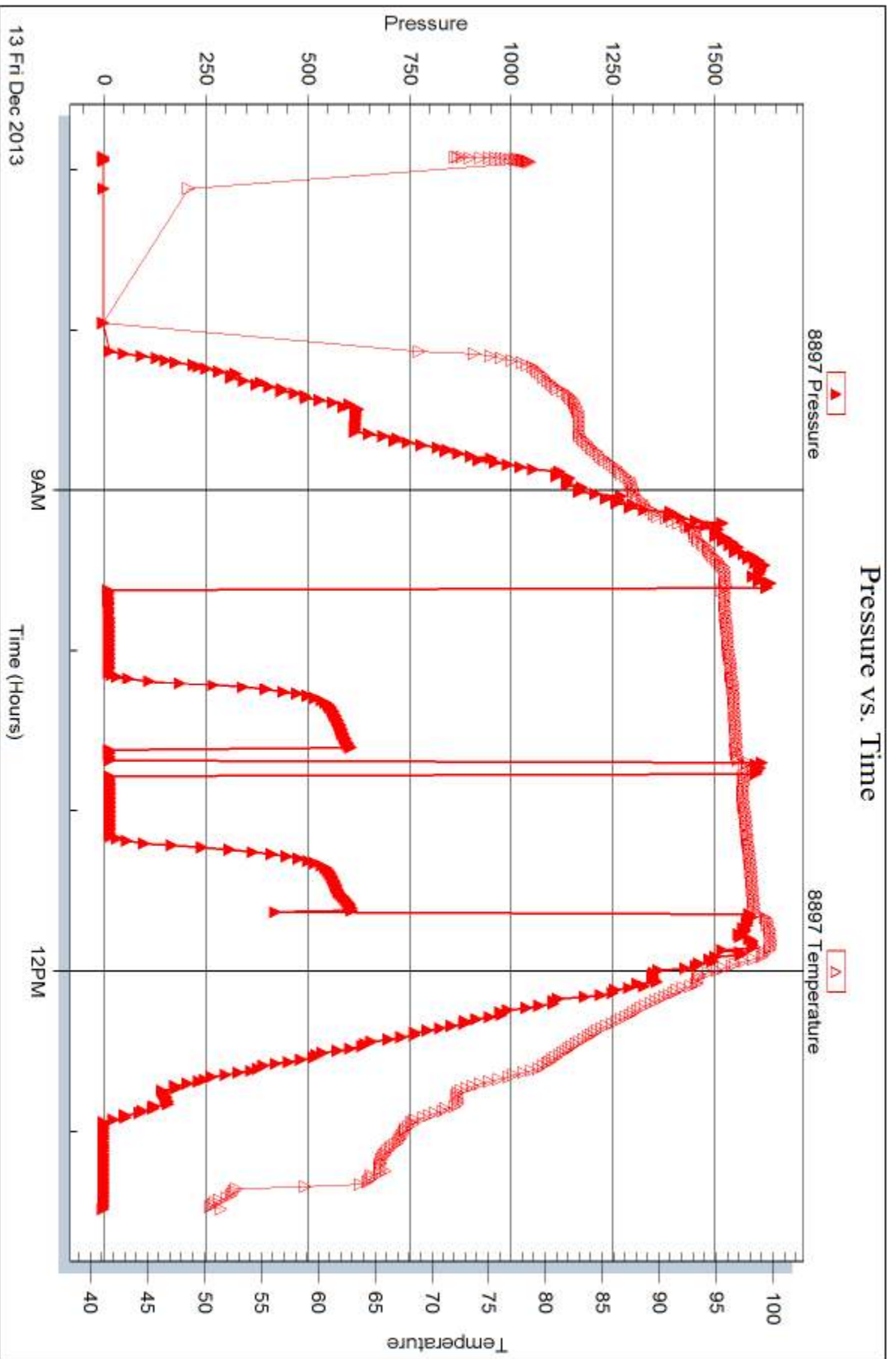
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Inside

StrataKan Exploration LLC

Kraus #1

DST Test Number: 1



Triobite Testing, Inc

Ref. No: 55849

Printed: 2013.12.18 @ 15:51:45



DRILL STEM TEST REPORT

Prepared For: **StrataKan Exploration LLC**

204 W Mill St
Plainville KS 67663

ATTN: Pat Balthazar

Kraus #1

13-8n-22w Graham,KS

Start Date: 2013.12.14 @ 12:16:52

End Date: 2013.12.14 @ 20:20:01

Job Ticket #: 55850 DST #: 2

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

Printed: 2013.12.18 @ 15:50:21

StrataKan Exploration LLC
13-8n-22w Graham,KS
Kraus #1
DST # 2
LKC H-L
2013.12.14



TRILOBITE TESTING, INC

DRILL STEM TEST REPORT

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55850

DST#: 2

ATTN: Pat Balthazar

Test Start: 2013.12.14 @ 12:16:52

GENERAL INFORMATION:

Formation: **LKC H-L**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:38:12

Time Test Ended: 20:20:01

Test Type: Conventional Bottom Hole (Reset)

Tester: Tate Lang

Unit No: 49

Interval: 3417.00 ft (KB) To 3520.00 ft (KB) (TVD)

Reference Elevations: 2068.00 ft (KB)

Total Depth: 3520.00 ft (KB) (TVD)

2063.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 5.00 ft

Serial #: 8898 Outside

Press@RunDepth: 51.49 psig @ 3492.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2013.12.14

End Date:

2013.12.14

Last Calib.: 2013.12.14

Start Time: 12:16:53

End Time:

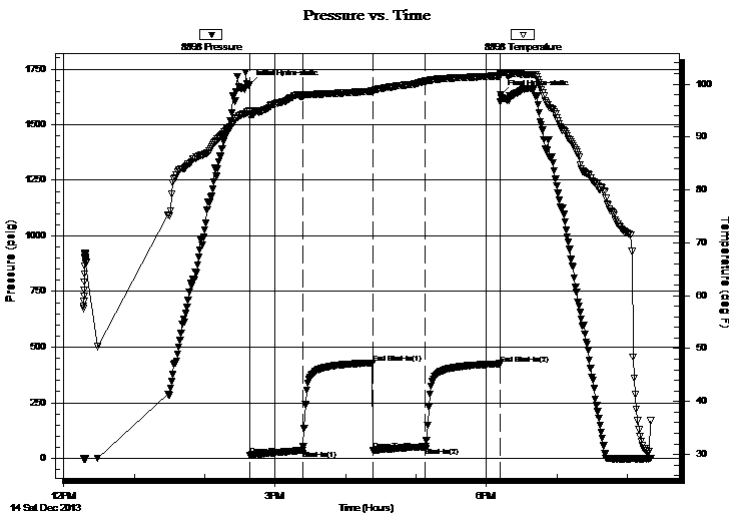
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Time On Btm: 2013.12.14 @ 14:38:02

Time Off Btm: 2013.12.14 @ 18:12:12

TEST COMMENT: Fair surface blow built to 4"
Dead no blow back
Weak surface blow built to 2 1/2"
Dead no blow back

PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1681.54	94.93	Initial Hydro-static
1	13.82	93.99	Open To Flow (1)
46	35.39	97.71	Shut-In(1)
106	429.19	98.67	End Shut-In(1)
106	36.19	98.42	Open To Flow (2)
150	51.49	100.56	Shut-In(2)
214	425.33	101.55	End Shut-In(2)
215	1635.50	101.86	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
100.00	100%M	1.40

* Recovery from multiple tests

Gas Rates

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



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TOOL DIAGRAM

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55850

DST#: 2

ATTN: Pat Balthazar

Test Start: 2013.12.14 @ 12:16:52

Tool Information

Drill Pipe:	Length: 3419.00 ft	Diameter: 3.80 inches	Volume: 47.96 bbl	Tool Weight: 2000.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 0.00 inches	Volume: 0.00 bbl	Weight set on Packer: 20000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 43000.00 lb
			<u>Total Volume: 47.96 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	22.00 ft			String Weight: Initial 38000.00 lb
Depth to Top Packer:	3417.00 ft			Final 38000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	103.00 ft			
Tool Length:	123.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
------------------	-------------	------------	----------	------------	----------------

Shut In Tool	5.00			3402.00	
Hydraulic tool	5.00			3407.00	
Packer	5.00			3412.00	20.00 Bottom Of Top Packer
Packer	5.00			3417.00	
Stubb	1.00			3418.00	
Change Over Sub	1.00			3419.00	
Drill Pipe	31.50			3450.50	
Change Over Sub	1.00			3451.50	
Perforations	7.00			3458.50	
Change Over Sub	1.00			3459.50	
Drill Pipe	31.50			3491.00	
Change Over Sub	1.00			3492.00	
Recorder	0.00	8897	Inside	3492.00	
Recorder	0.00	8898	Outside	3492.00	
Perforations	25.00			3517.00	
Bullnose	3.00			3520.00	103.00 Bottom Packers & Anchor
Total Tool Length:	123.00				



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

FLUID SUMMARY

StrataKan Exploration LLC

13-8n-22w Graham,KS

204 W Mill St
Plainville KS 67663

Kraus #1

Job Ticket: 55850

DST#: 2

ATTN: Pat Balthazar

Test Start: 2013.12.14 @ 12:16:52

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: 49.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.79 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 1.00 inches

Recovery Information

Recovery Table

Length ft	Description	Volume bbl
100.00	100%M	1.403

Total Length: 100.00 ft Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

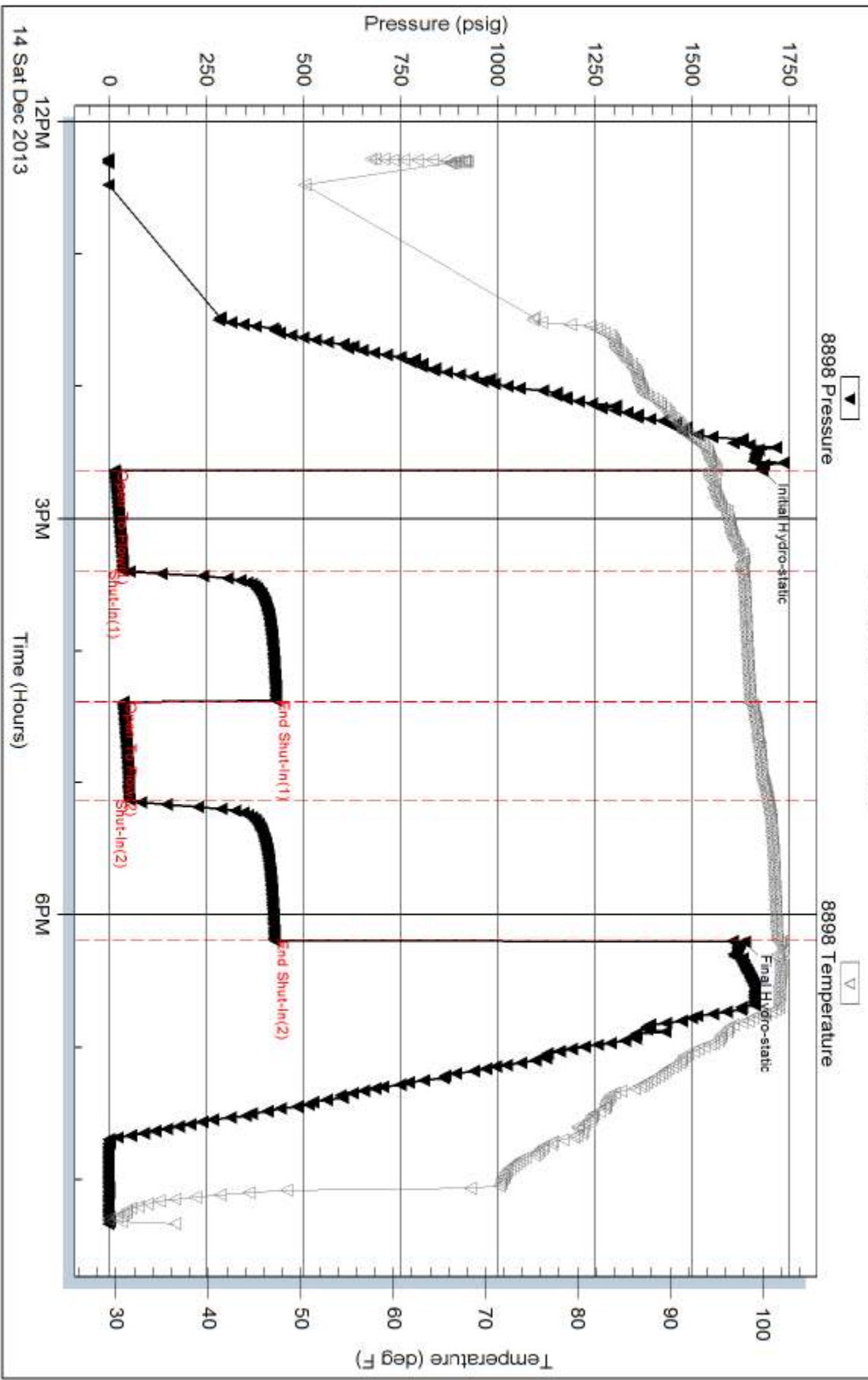
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Outside StrataKan Exploration LLC

Kraus #1

DST Test Number: 2

Pressure vs. Time



Tribble Testing, Inc

Ref. No: 55850

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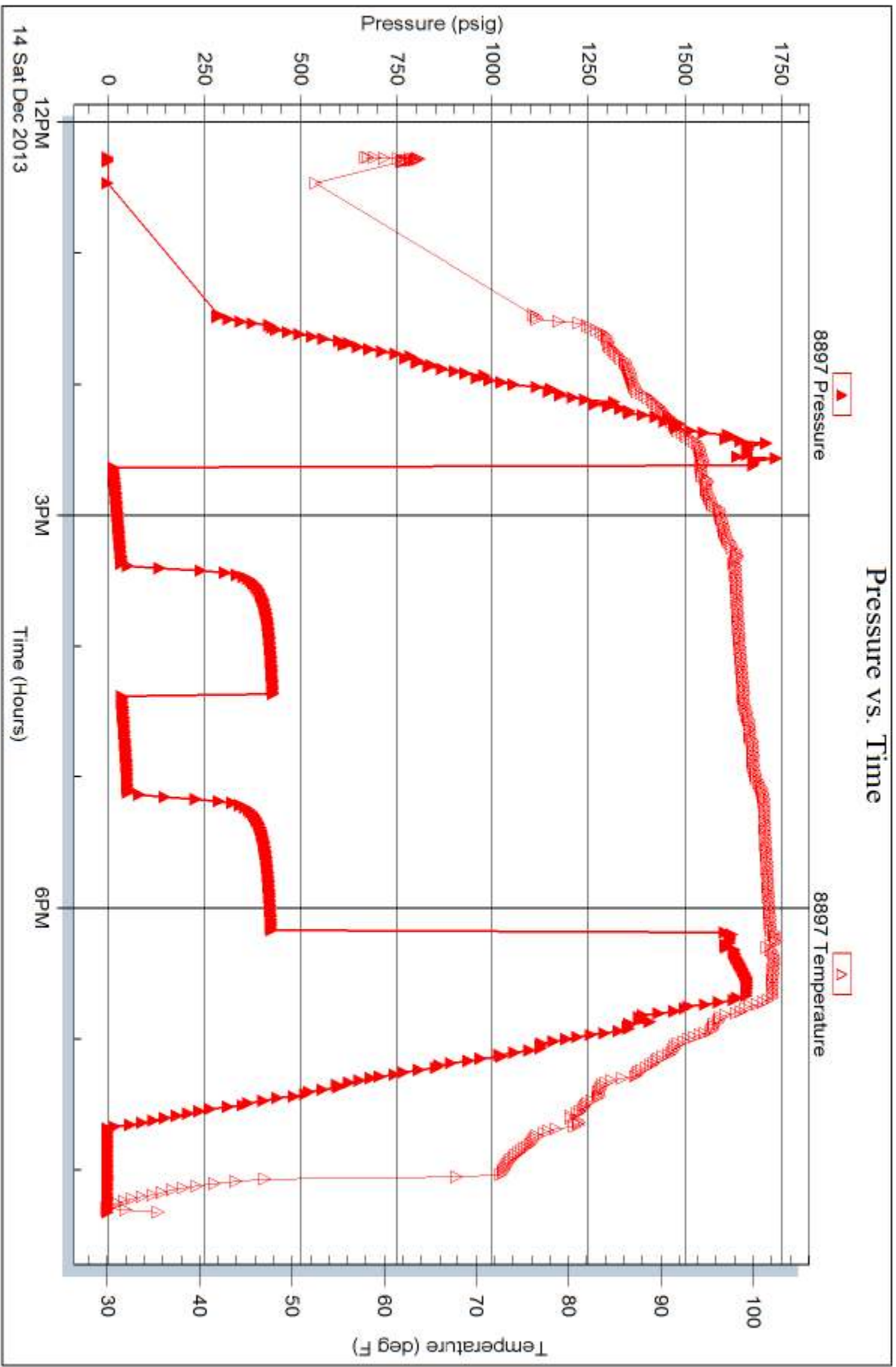
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Inside

StrataKan Exploration LLC

Kraus #1

DST Test Number: 2





TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55849

Well Name & No. Kraus #1 Test No. 1 Date 12-13-13
 Company Strata Kon Explorations LLC Elevation 2068 KB 2063 GL
 Address 204 W Mill St, Plainville KS 67663
 Co. Rep / Geo. Pat Rig White Knight #1
 Location: Sec. B Twp. 8N Rge. 22W Co. Graham State KS

Interval Tested 3322 3352 Zone Tested LKC B
 Anchor Length 30 Drill Pipe Run 3326 Mud Wt. 8.6
 Top Packer Depth 3318 Drill Collars Run 0 Vis 48
 Bottom Packer Depth 3322 Wt. Pipe Run 0 WL 8.4
 Total Depth 3352 Chlorides 2000 ppm System LCM 1#

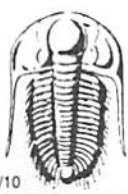
Blow Description Weak surface blow built to 1/4 in
Dead no blow back
Dead no blow Flushed tool surged then died
Dead no blow

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>10</u>	Feet of <u>Mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 10 BHT 99 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm
 (A) Initial Hydrostatic 1629 Test 1150 T-On Location 04:30
 (B) First Initial Flow 10 Jars _____ T-Started 06:50
 (C) First Final Flow 13 Safety Joint _____ T-Open 09:37
 (D) Initial Shut-In 608 Circ Sub _____ T-Pulled 11:37
 (E) Second Initial Flow 12 Hourly Standby _____ T-Out 13:30
 (F) Second Final Flow 16 Mileage 110 R/T 170.50 Comments _____
 (G) Final Shut-In 610 Sampler _____
 (H) Final Hydrostatic 1603 Straddle _____ Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____

Initial Open 30 Extra Packer _____ Extra Copies _____
 Initial Shut-In 30 Extra Recorder _____ Sub Total 0
 Final Flow 30 Day Standby _____ Total 1320.50
 Final Shut-In 30 Accessibility _____ MP/DST Disc't _____
 Sub Total 1320.50

Approved By [Signature] Our Representative [Signature]
 Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

Test Ticket

NO. 55850

4/10

Well Name & No. Kraus #1 Test No. 2 Date 12-14-13
 Company Strataken Exploration LLC Elevation 2068 KB 2063 GL
 Address 204 W Mill St. Plainville KS 67663
 Co. Rep / Geo. Pat Rig White Knight #1
 Location: Sec. 13 Twp. 8N Rge. 22W Co. Graham State KS

Interval Tested 33 3417 3520 Zone Tested LKC H-L
 Anchor Length 163 Drill Pipe Run 3419 Mud Wt. 9.2
 Top Packer Depth 3413 Drill Collars Run 0 Vis 49
 Bottom Packer Depth 3417 Wt. Pipe Run 0 WL 8.8
 Total Depth 3520 Chlorides 3000 ppm System LCM 1#
 Blow Description Fair surface blow built to 4 in
Dead no blow back
Weak surface blow built to 2 1/2 in
Dead no blow back

Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec <u>100</u>	Feet of <u>mud</u>	%gas	%oil	%water <u>100</u>	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 100 BHT 102 Gravity _____ API RW _____ @ _____ °F Chlorides _____ ppm

(A) Initial Hydrostatic 1682 Test 1150 T-On Location 11:05
 (B) First Initial Flow 14 Jars _____ T-Started 12:16
 (C) First Final Flow 35 Safety Joint _____ T-Open 14:32
 (D) Initial Shut-In 229 Circ Sub _____ T-Pulled 18:08
 (E) Second Initial Flow 36 Hourly Standby _____ T-Out 20:20
 (F) Second Final Flow 51 Mileage 10RH From Hill City Comments Loaded
 (G) Final Shut-In 405 Sampler _____ @ 15:30 12-15-13
 (H) Final Hydrostatic 1635 Straddle _____ 110RH
 Ruined Shale Packer _____
 Shale Packer _____ Ruined Packer _____
 Extra Packer _____ Extra Copies _____
 Extra Recorder _____ Sub Total 0
 Day Standby _____ Total 1491
 Accessibility _____ MP/DST Disc't _____
 Sub Total 1491

Approved By _____

Our Representative [Signature]

Trilobite Testing Inc. shall not be liable for damaged or any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



Pioneer Energy Services

Dual Induction Log

15-065-23,988-00-00

API No.

Company **Stratakan Exploration, LLC.**

Well **Kraus #1**

Field **Wildcat**

County **Graham** State

Kansas

Location

SE NE NW
1155' FNL & 2310' FWL

Other Services
CNL/CDL

Sec: 13

Twp: 8S

Rge: 22W

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

Elevation 2064
5 Ft. Above Perm. Datum
K.B. 2069
D.F.
G.L. 2064

Date 12/15/2013

Run Number One

Depth Driller 3718

Depth Logger 3721

Bottom Logged Interval 3720

Top Log Interval 200

Casing Driller 8.625 @ 220

Casing Logger 220

Bit Size 7.875

Type Fluid in Hole Chemical

Salinity, ppm CL 2000

Density / Viscosity 9.3 48

pH / Fluid Loss 9.5 8.8

Source of Sample Flowline

Rm @ Meas. Temp 1.00 @ 61

Rmf @ Meas. Temp 0.75 @ 61

Rmc @ Meas. Temp 1.35 @ 61

Source of Rmf / Rmc Charts

Rm @ BHT 0.54 @ 113

Operating Rig Time 2 Hours

Max Rec. Temp. F 113

Equipment Number 15

Location Hays

Recorded By D.Kerr

Witnessed By Pat Balthazar

Justin Prater

<<< 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 Pioneer Energy Services
www.pioneerenergy.com
785 625 3858

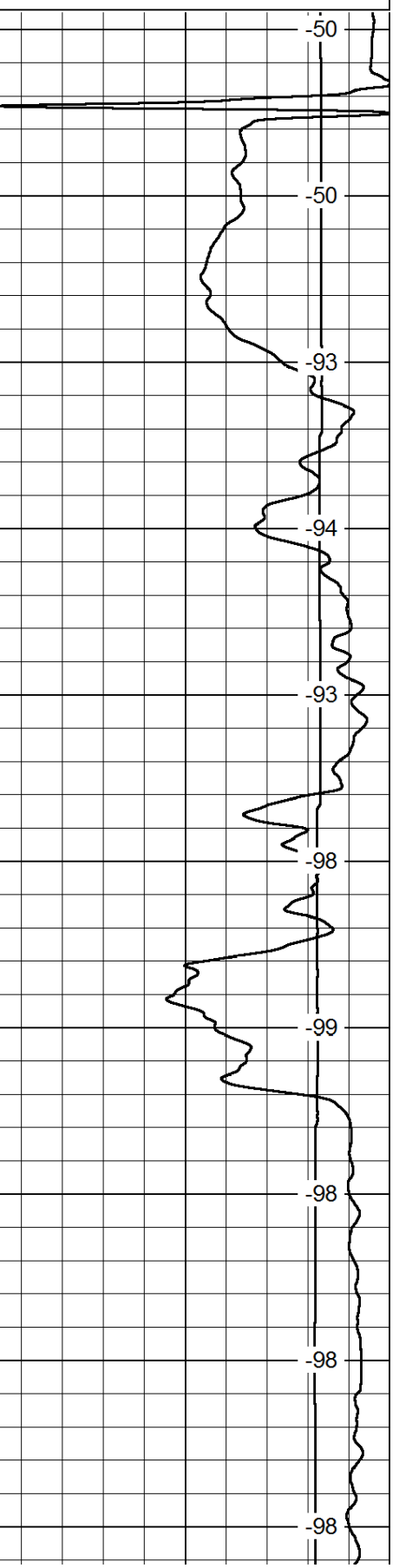
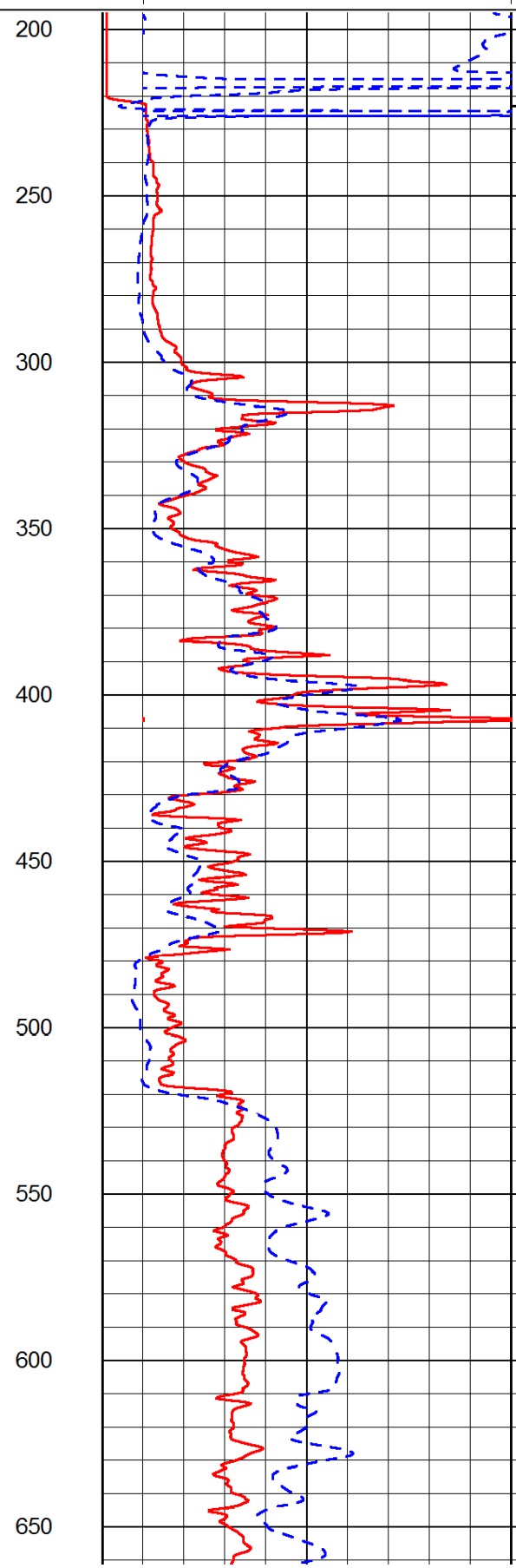
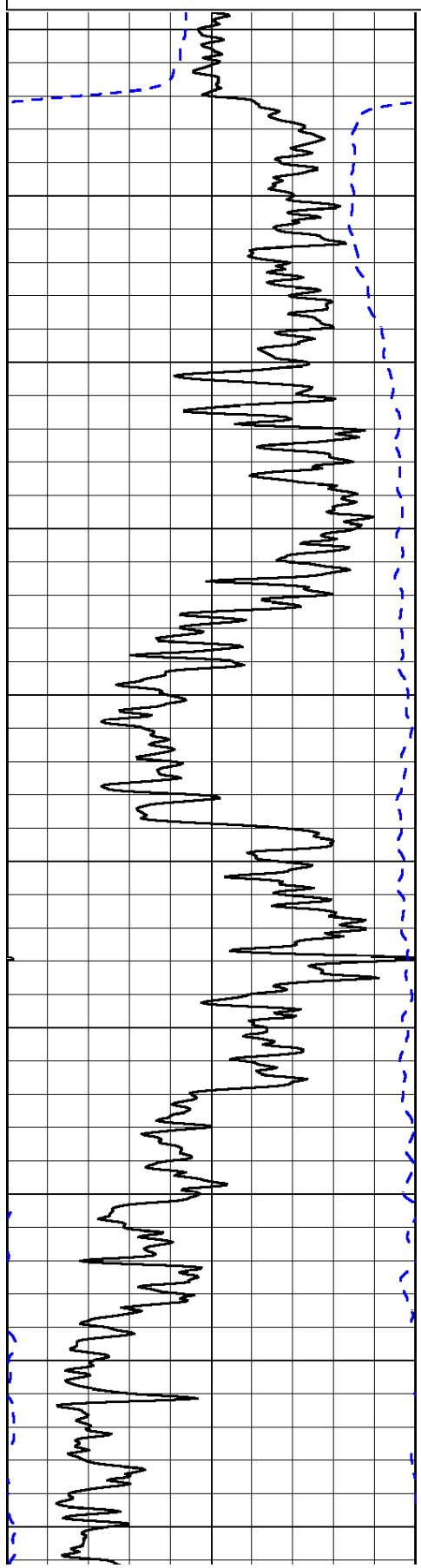
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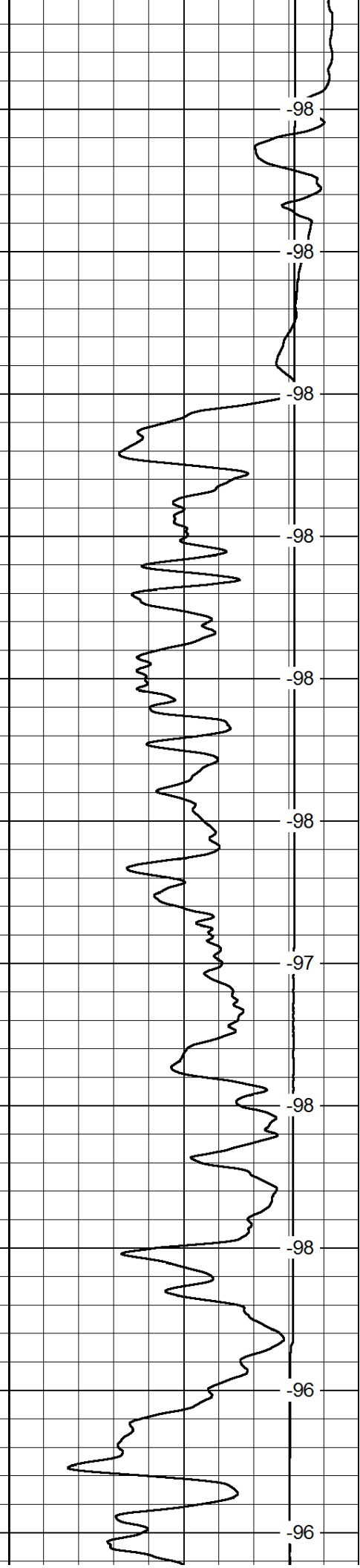
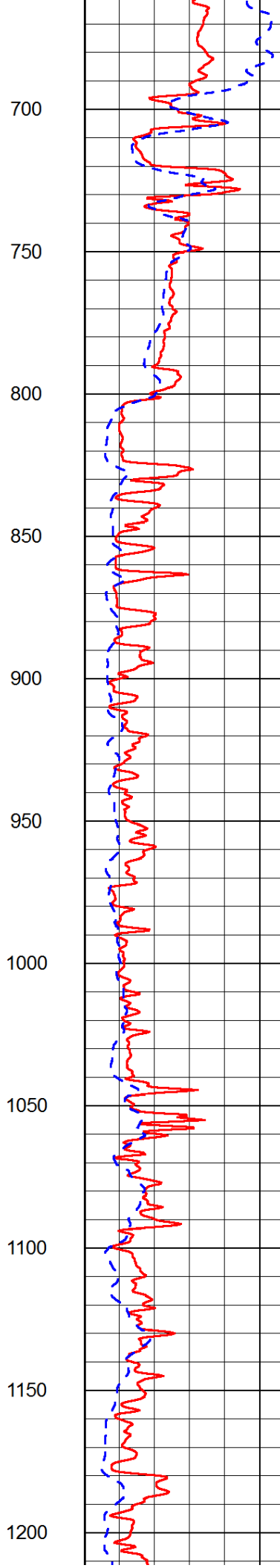
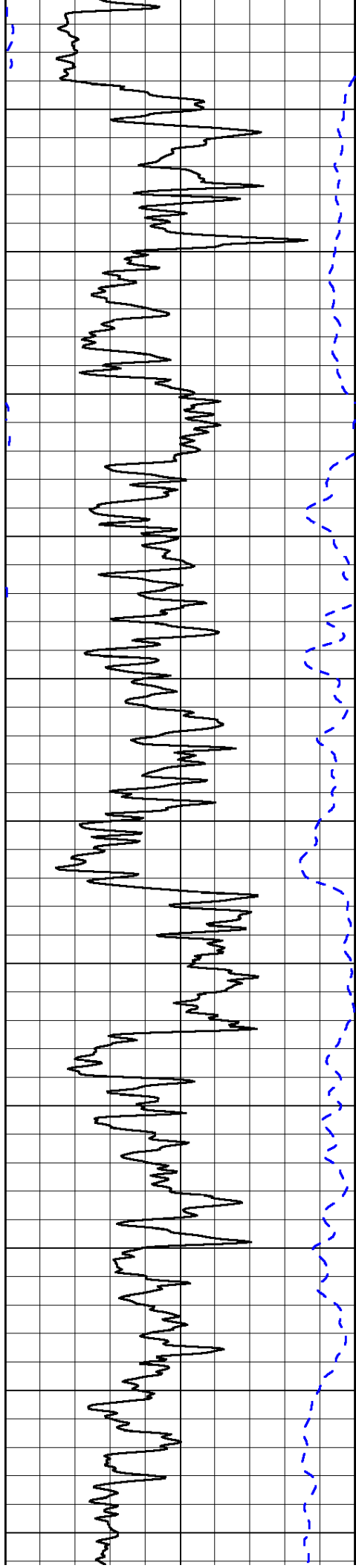
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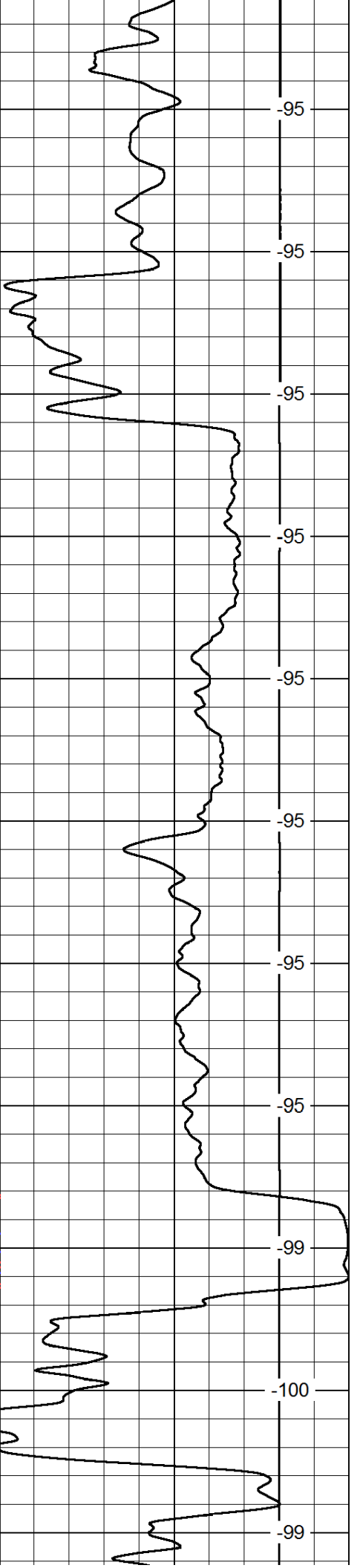
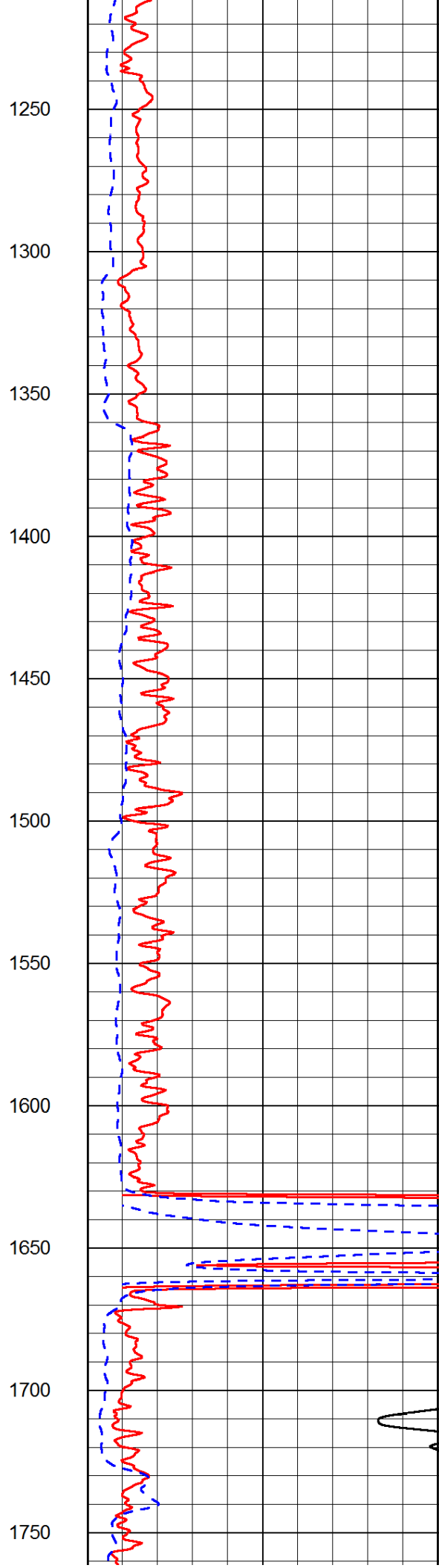
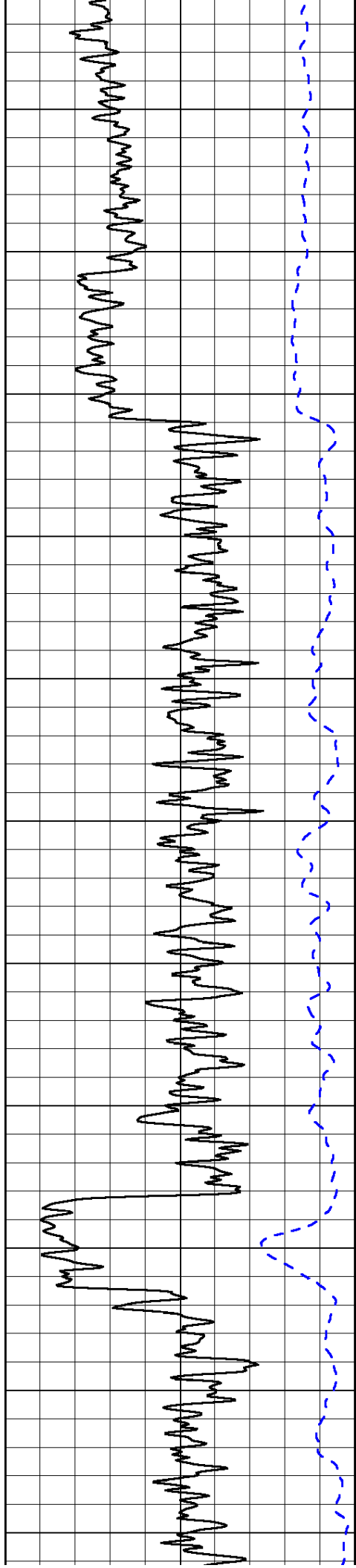
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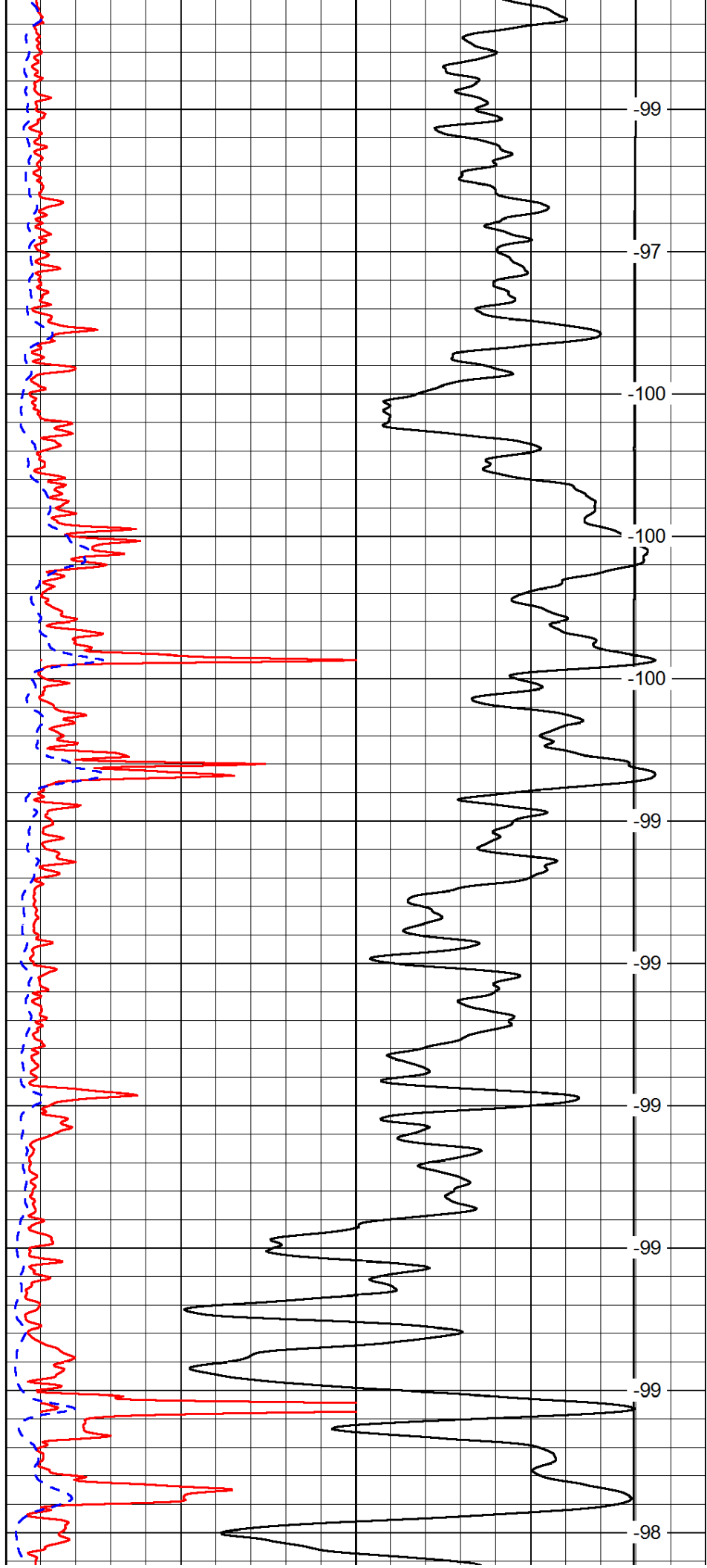
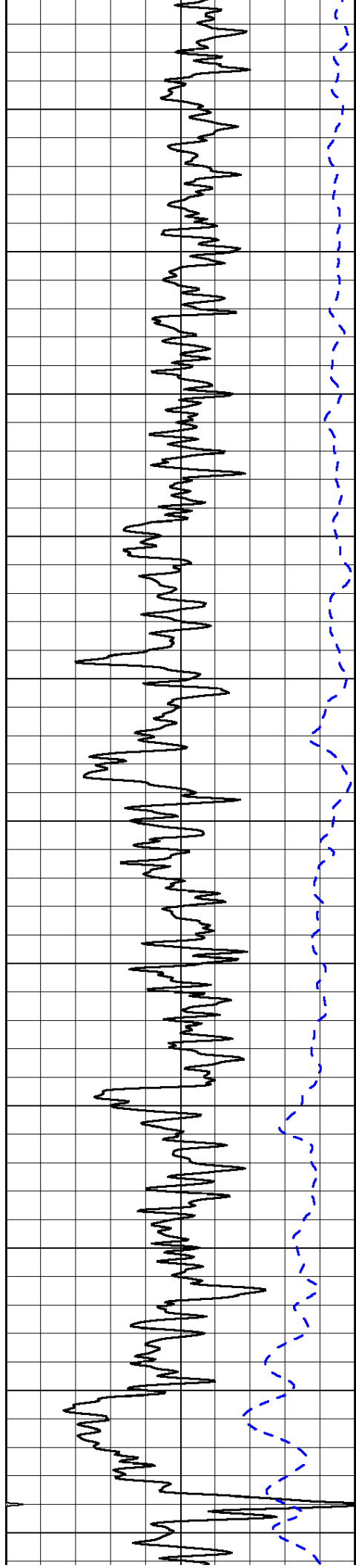
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15000	Line Tension	0

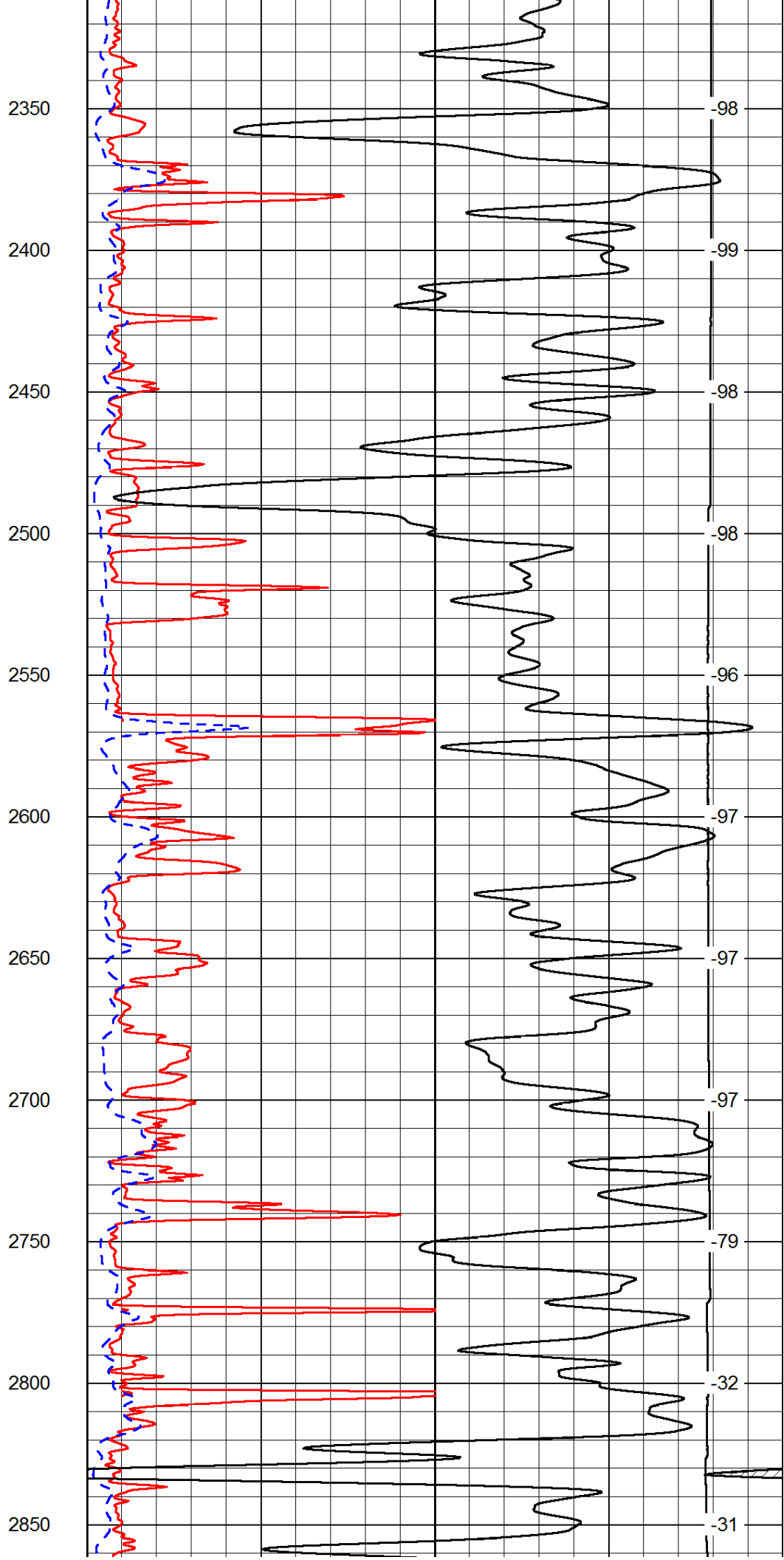
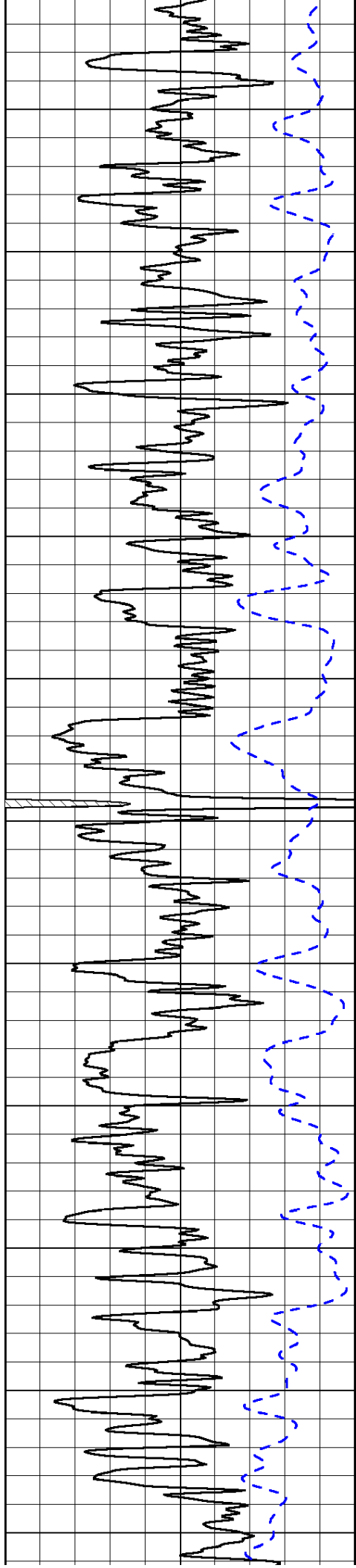
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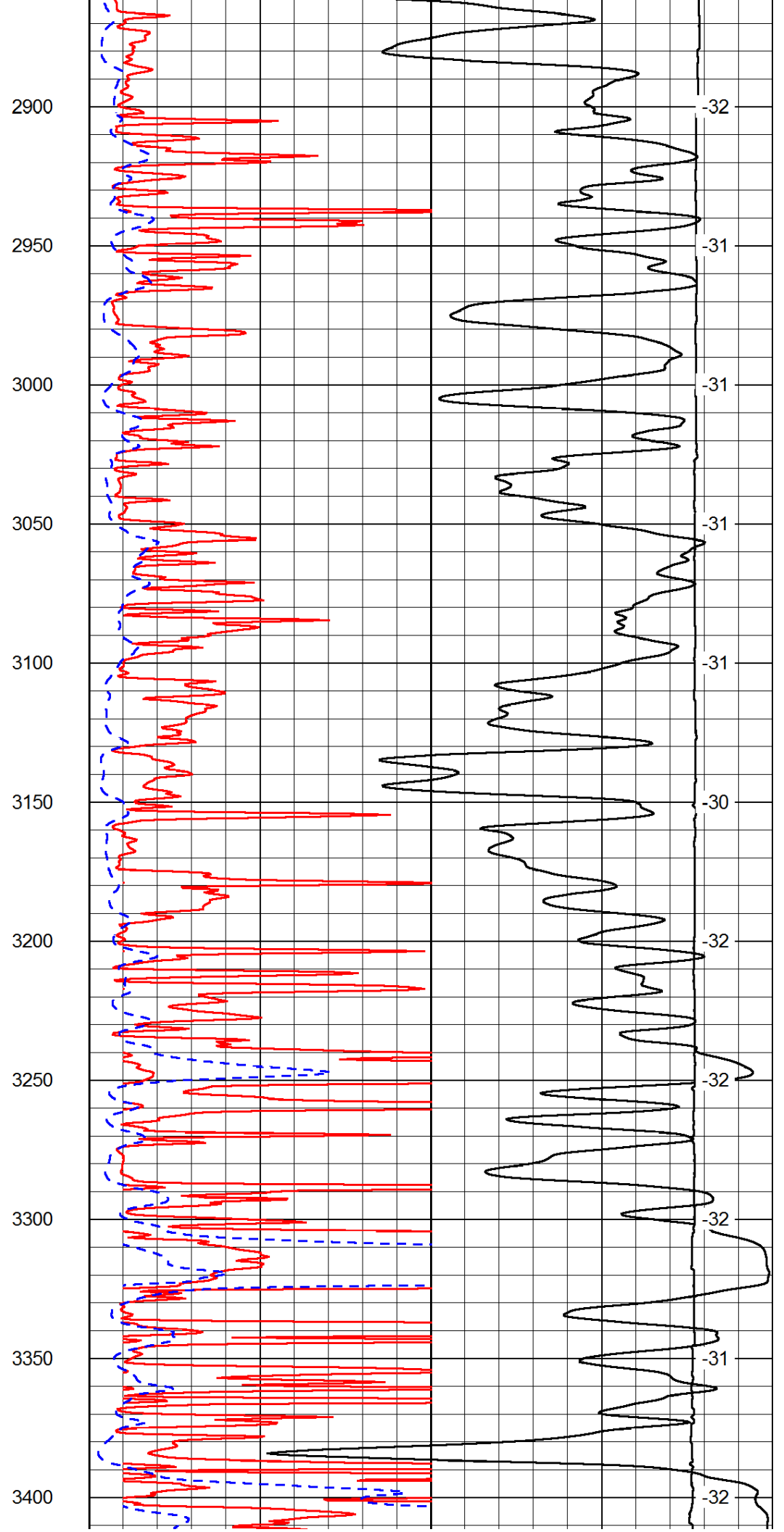
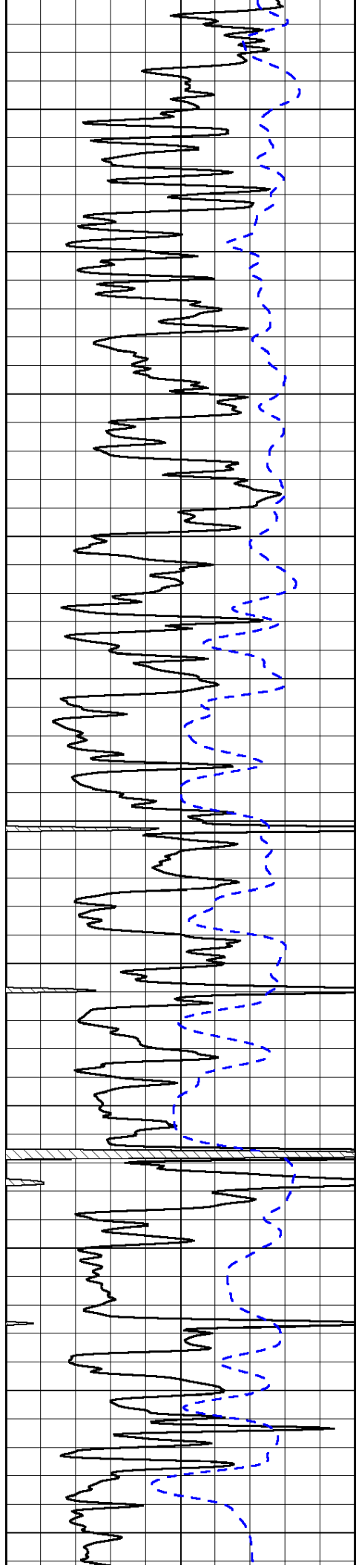


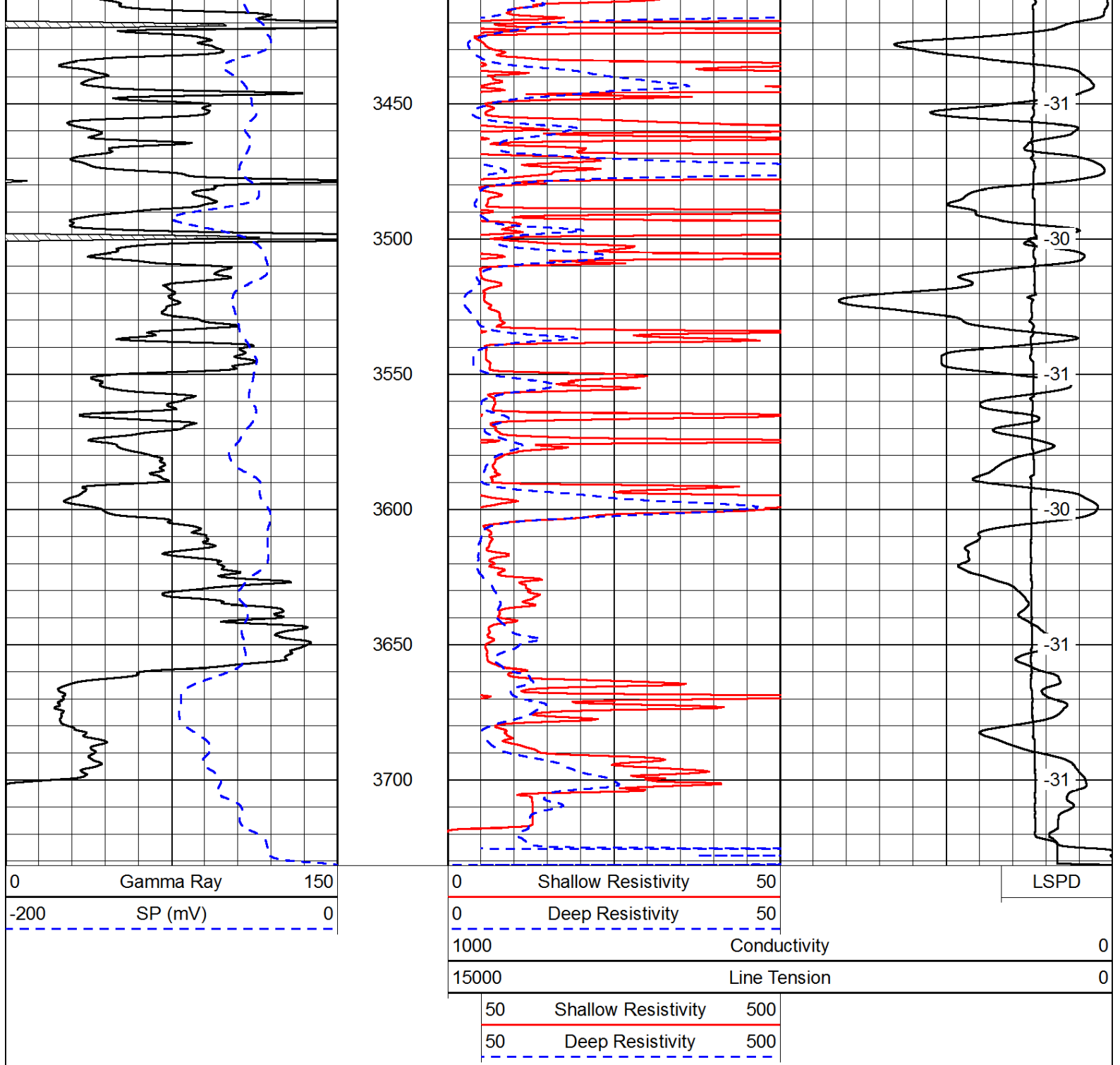




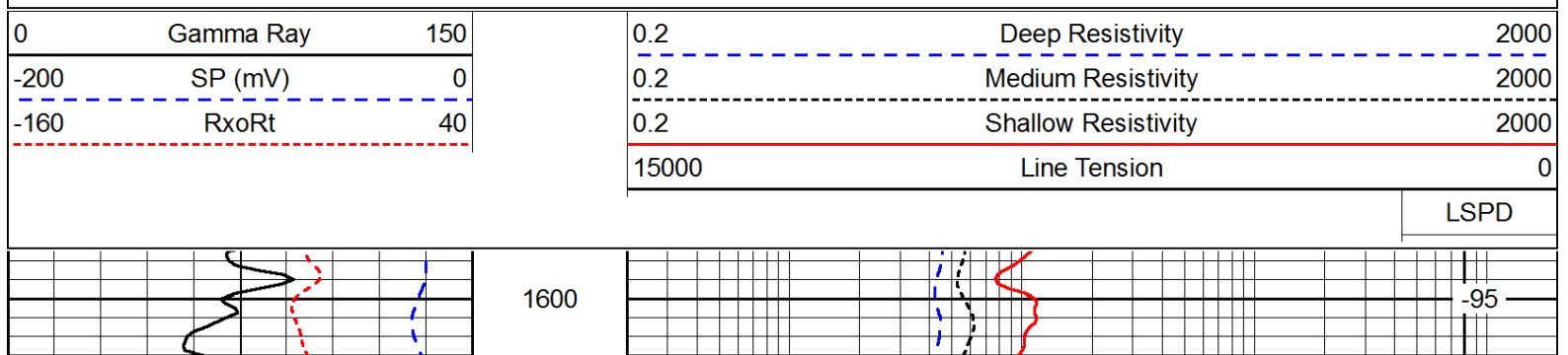


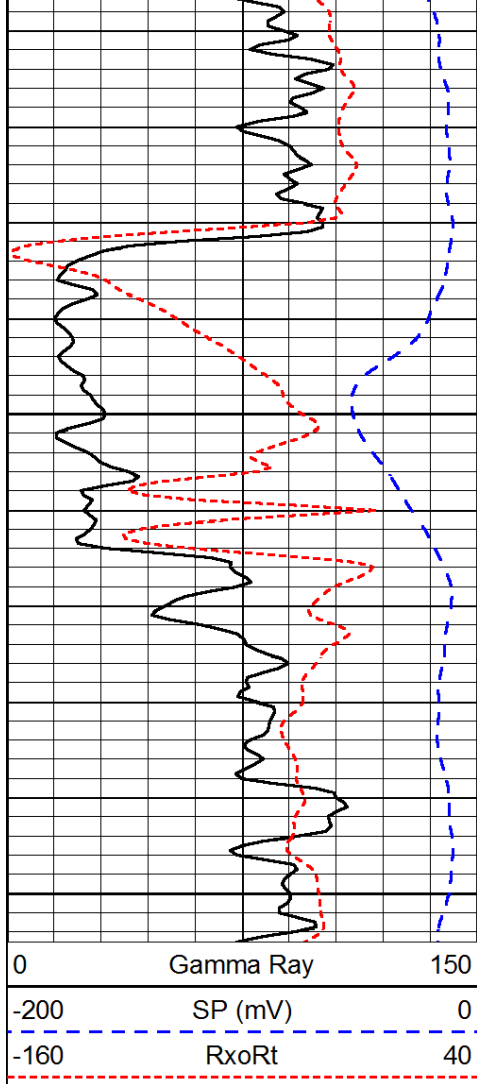






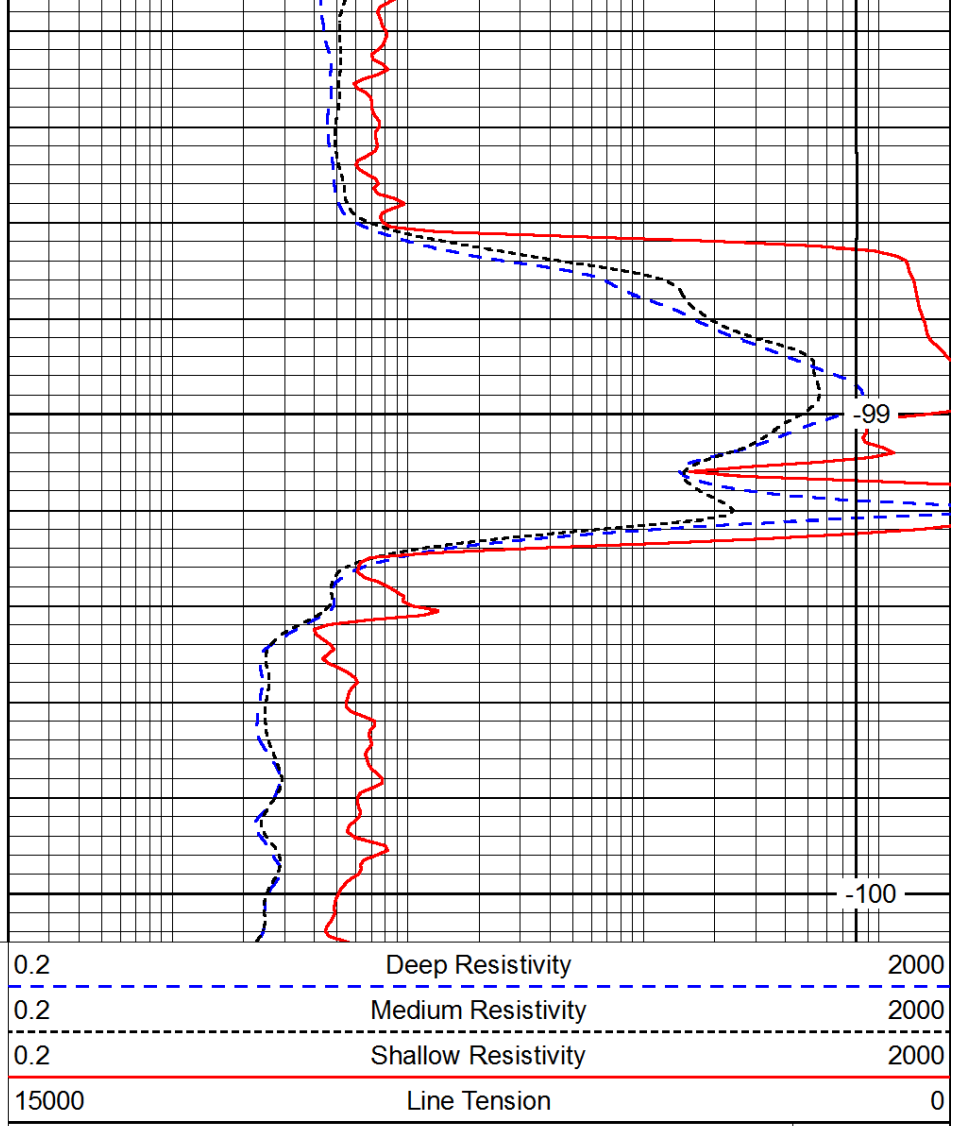
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1650

1700

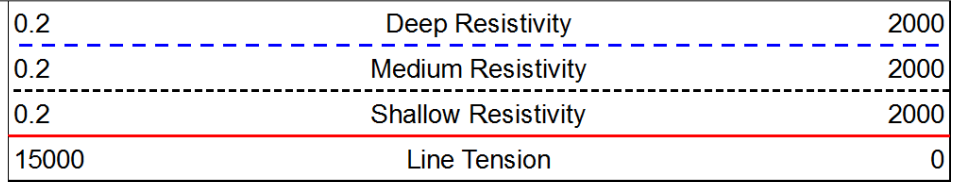
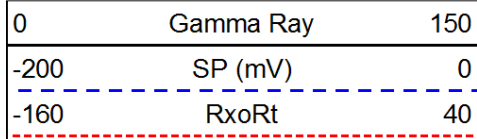


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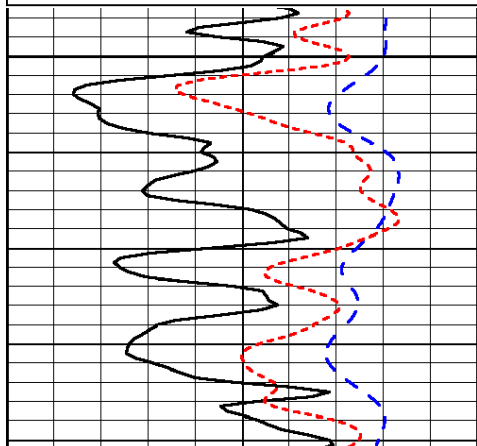
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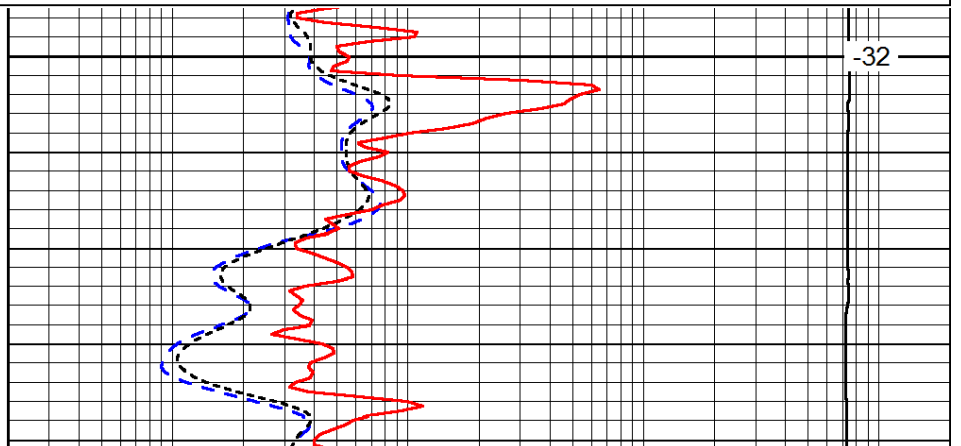
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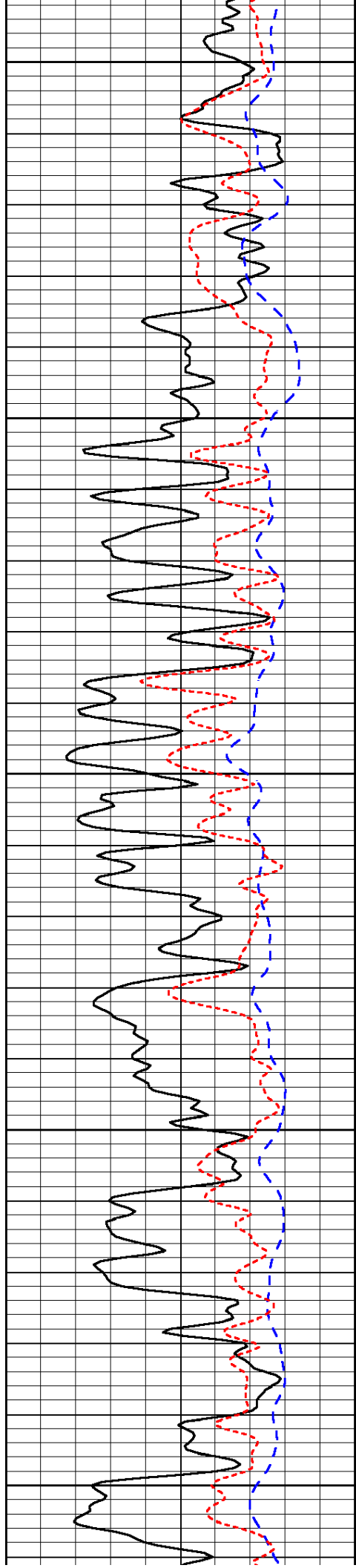
LSPD



2800



-32



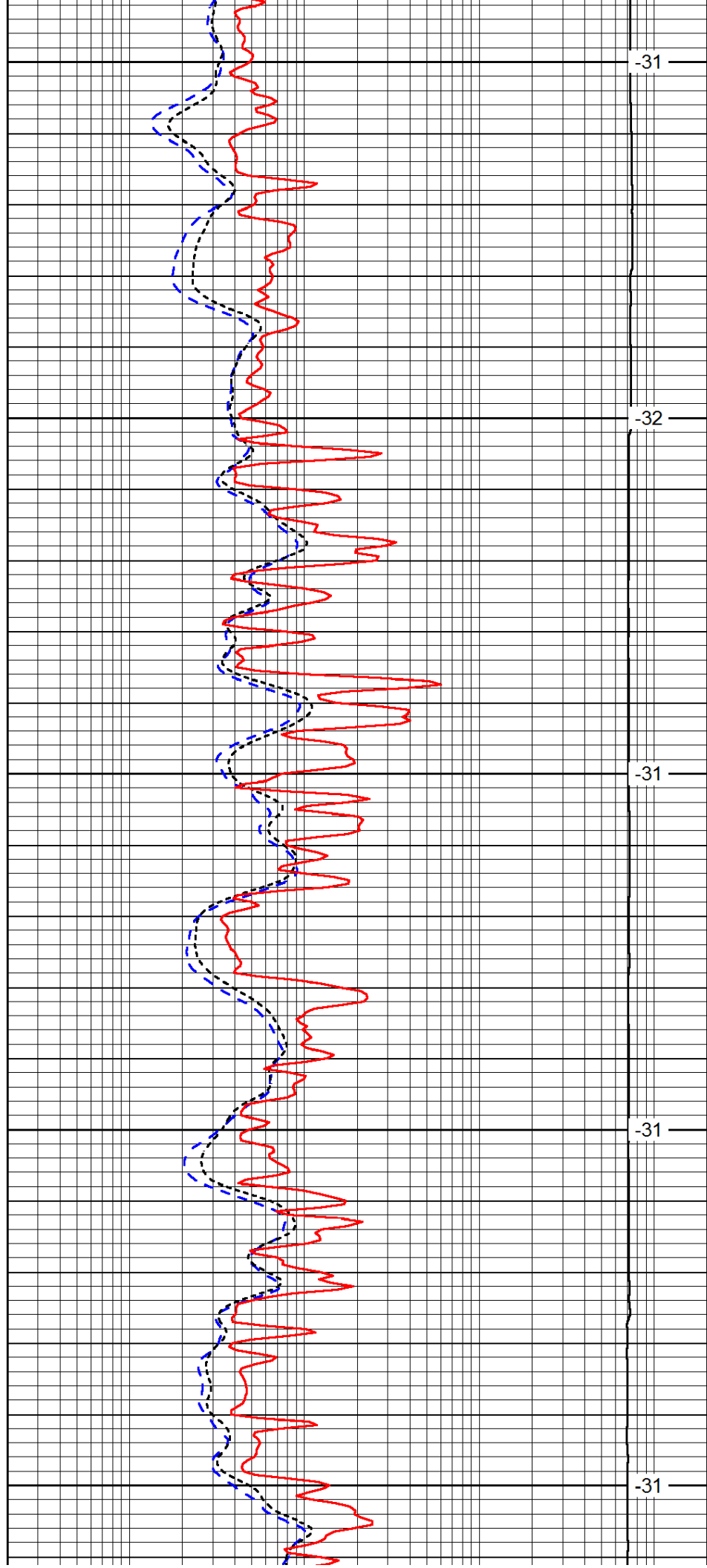
2850

2900

2950

3000

3050



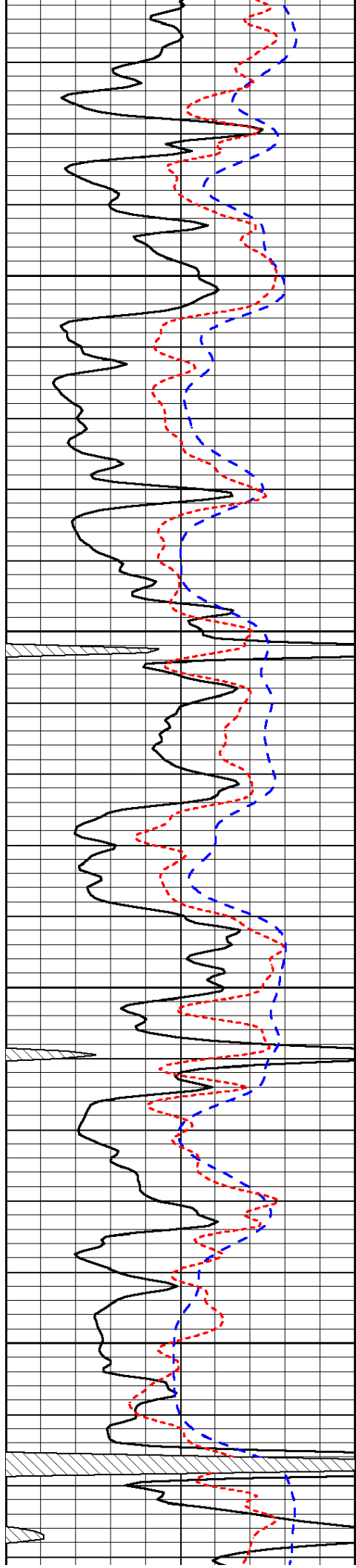
-31

-32

-31

-31

-31

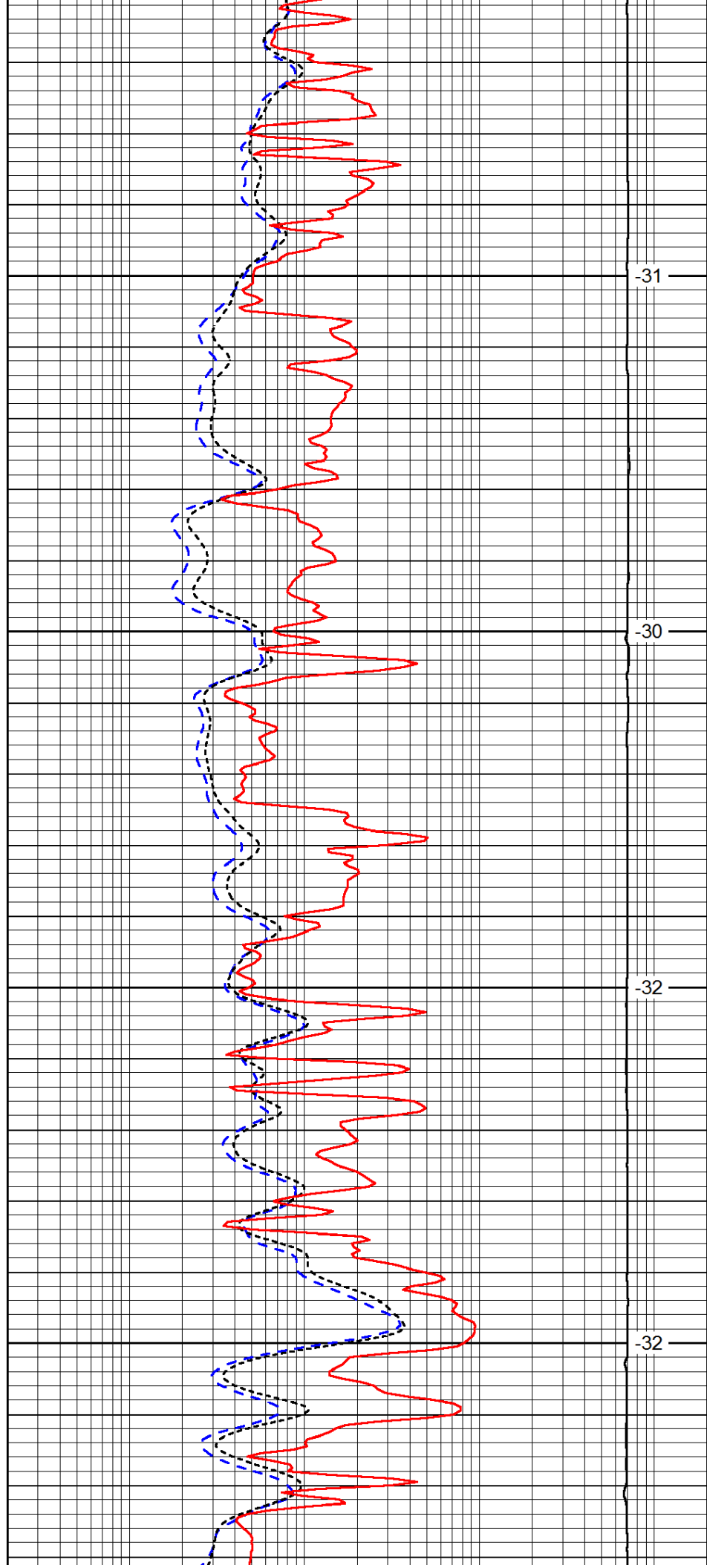


3100

3150

3200

3250

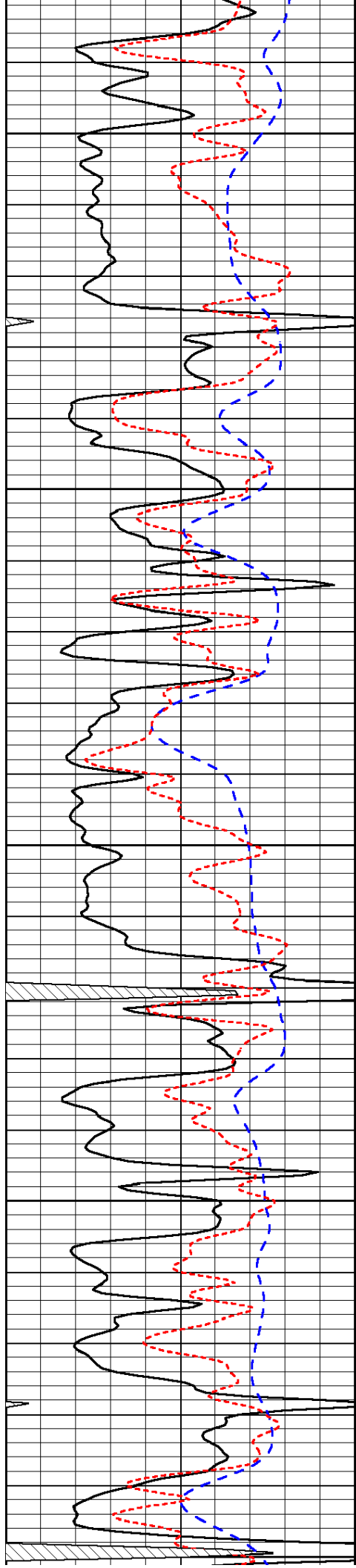


-31

-30

-32

-32



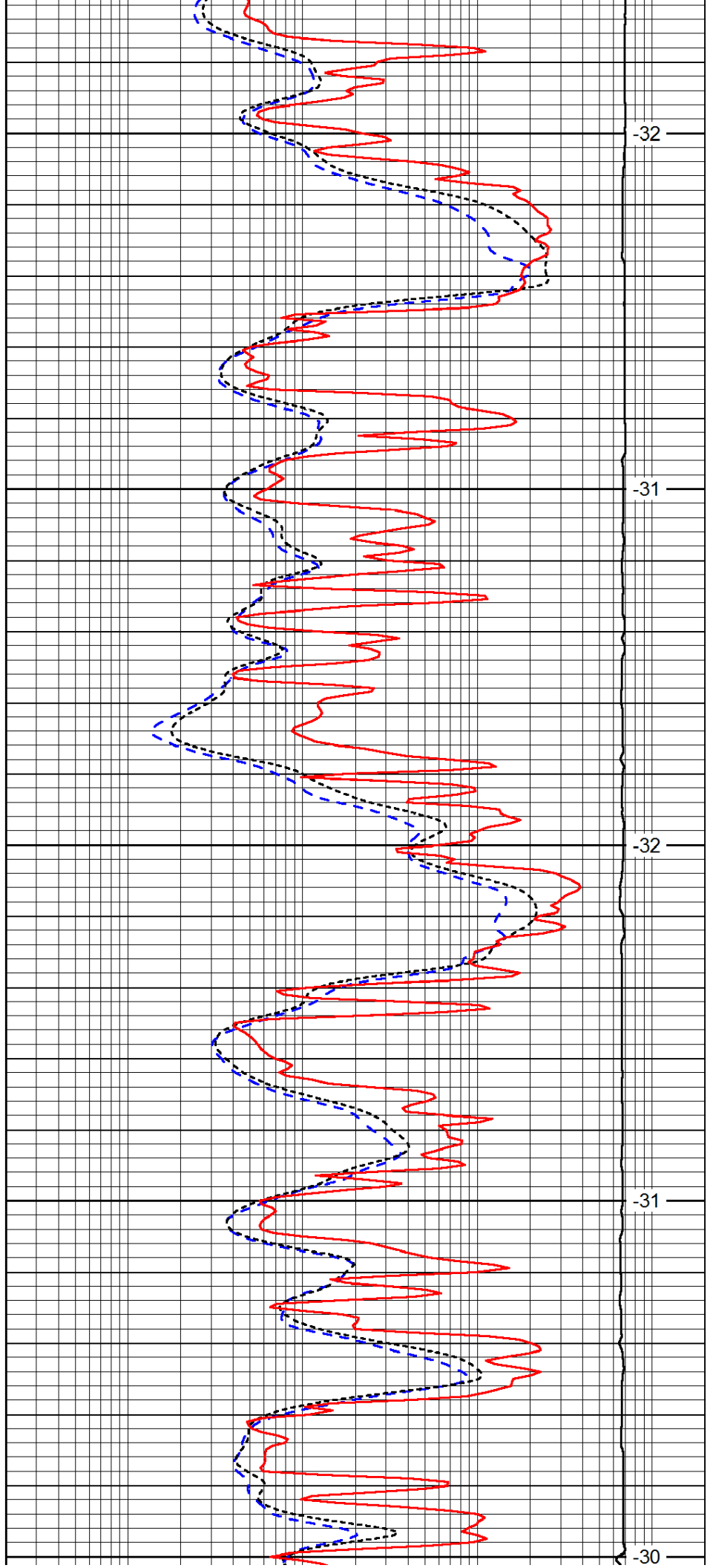
3300

3350

3400

3450

3500



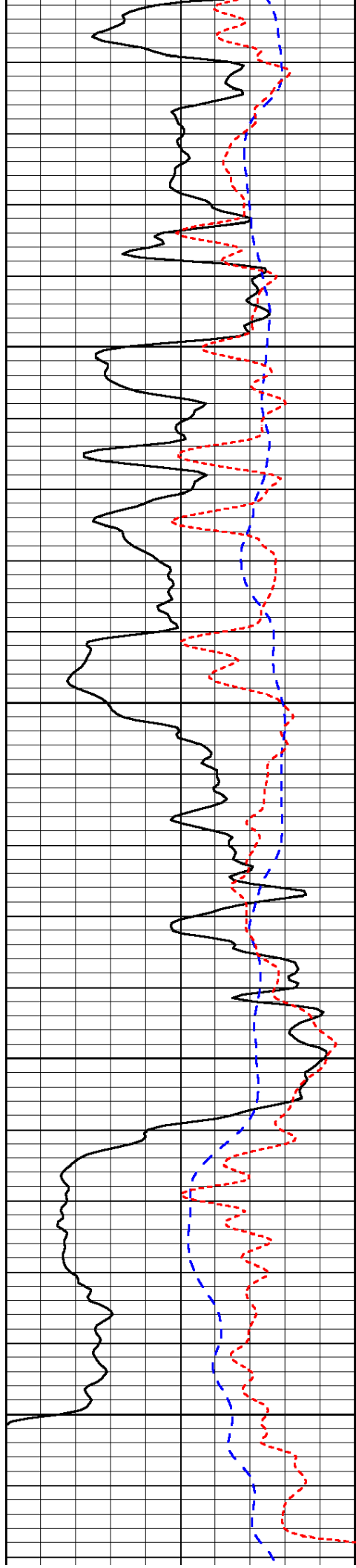
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-31

-32

-31

-30

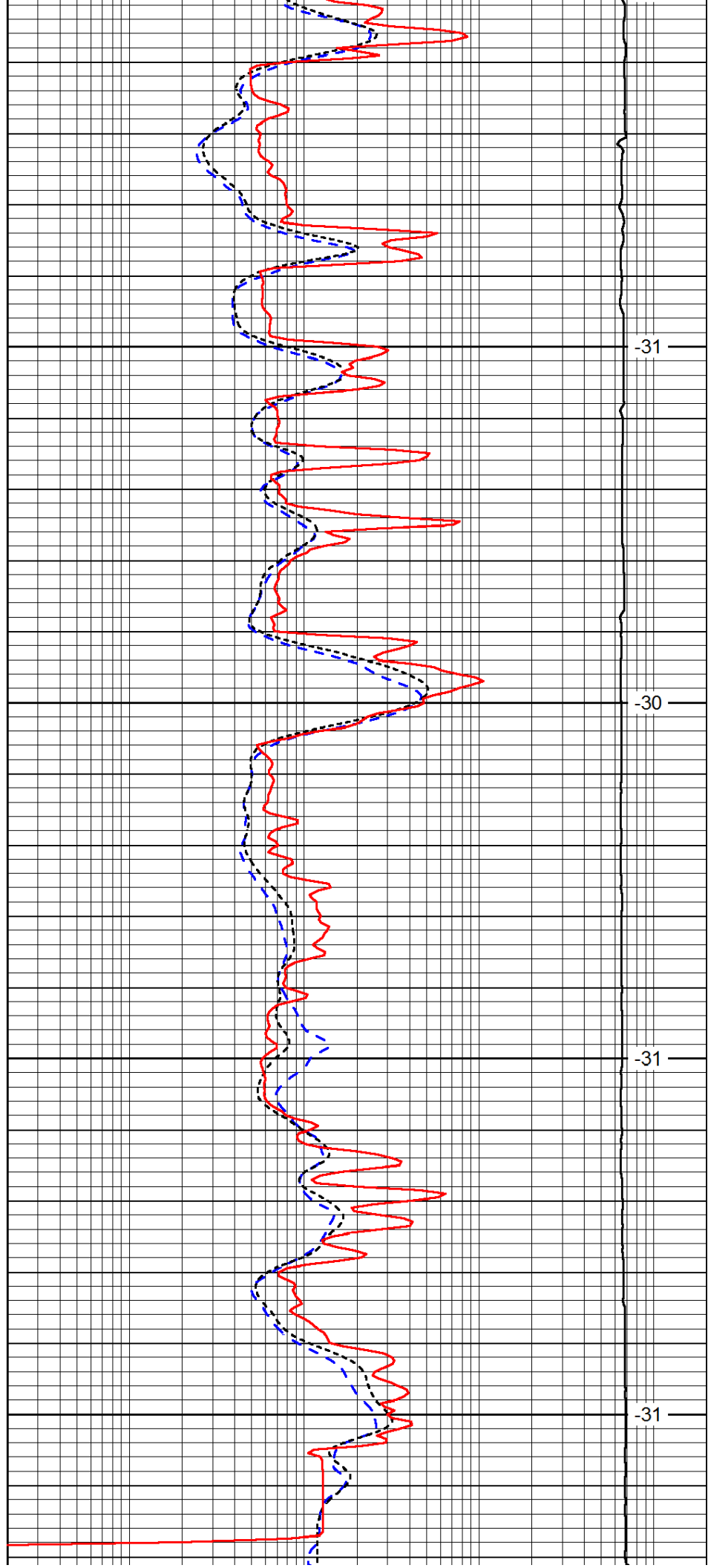


3550

3600

3650

3700

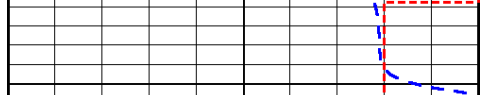


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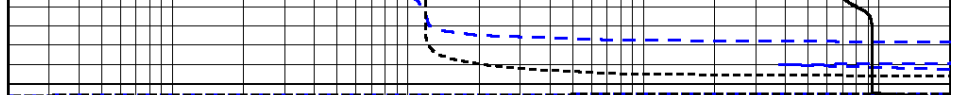
-30

-31

-31



0	Gamma Ray	150
-200	SP (mV)	0
-160	RxoRt	40



0.2	Deep Resistivity	2000
0.2	Medium Resistivity	2000
0.2	Shallow Resistivity	2000
15000	Line Tension	0

LSPD



Pioneer Energy Services

Dual Compensated Porosity Log

15-065-23,988-00-00

API No.

Company **Stratakan Exploration, LLC.**
 Well **Kraus #1**
 Field **Wildcat**
 County **Graham** State **Kansas**

Location **SE NE NW
1155' FNL & 2310' FWL**
 Sec: **13** Twp: **8S** Rge: **22W**

Other Services
DIL

Elevation
K.B. 2069
D.F. 2064
G.L. 2064

Date	12/15/2013	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3718	
Depth Logger	3721	
Bottom Logged Interval	3700	
Top Logged Interval	2800	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	2000	
Density Level	9.3	
Level	Full	
Max. Rec. Temp. F	113	
Operating Rig Time	2 Hours	
Equipment -- Location	15 Days	
Recorded By	D Kerr	
Witnessed By	Pat Balthazar	Justin Prater

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	220	8.625	24#	00	220
2	7.875	220	3718				

Casing Record

<<< 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

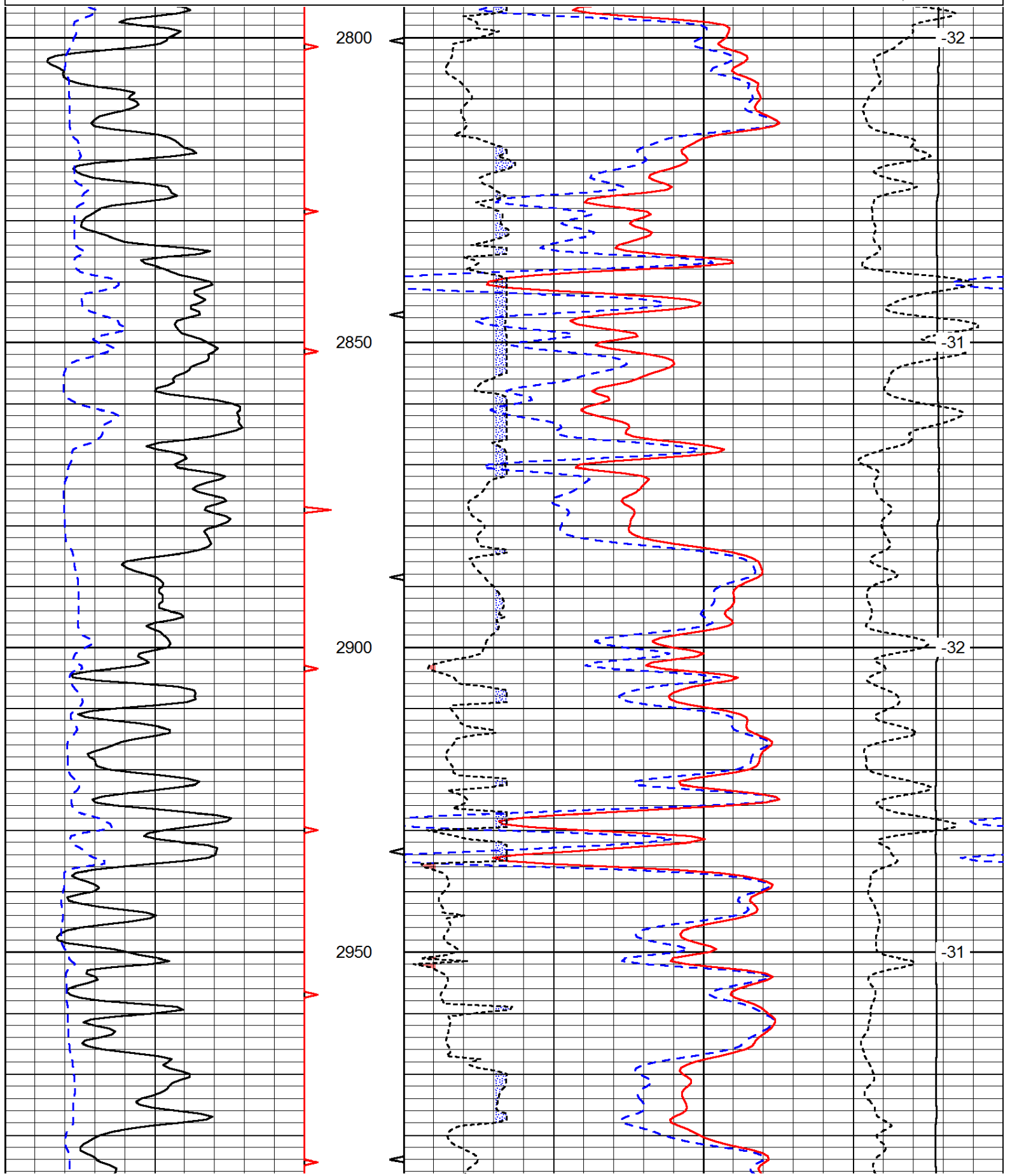
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

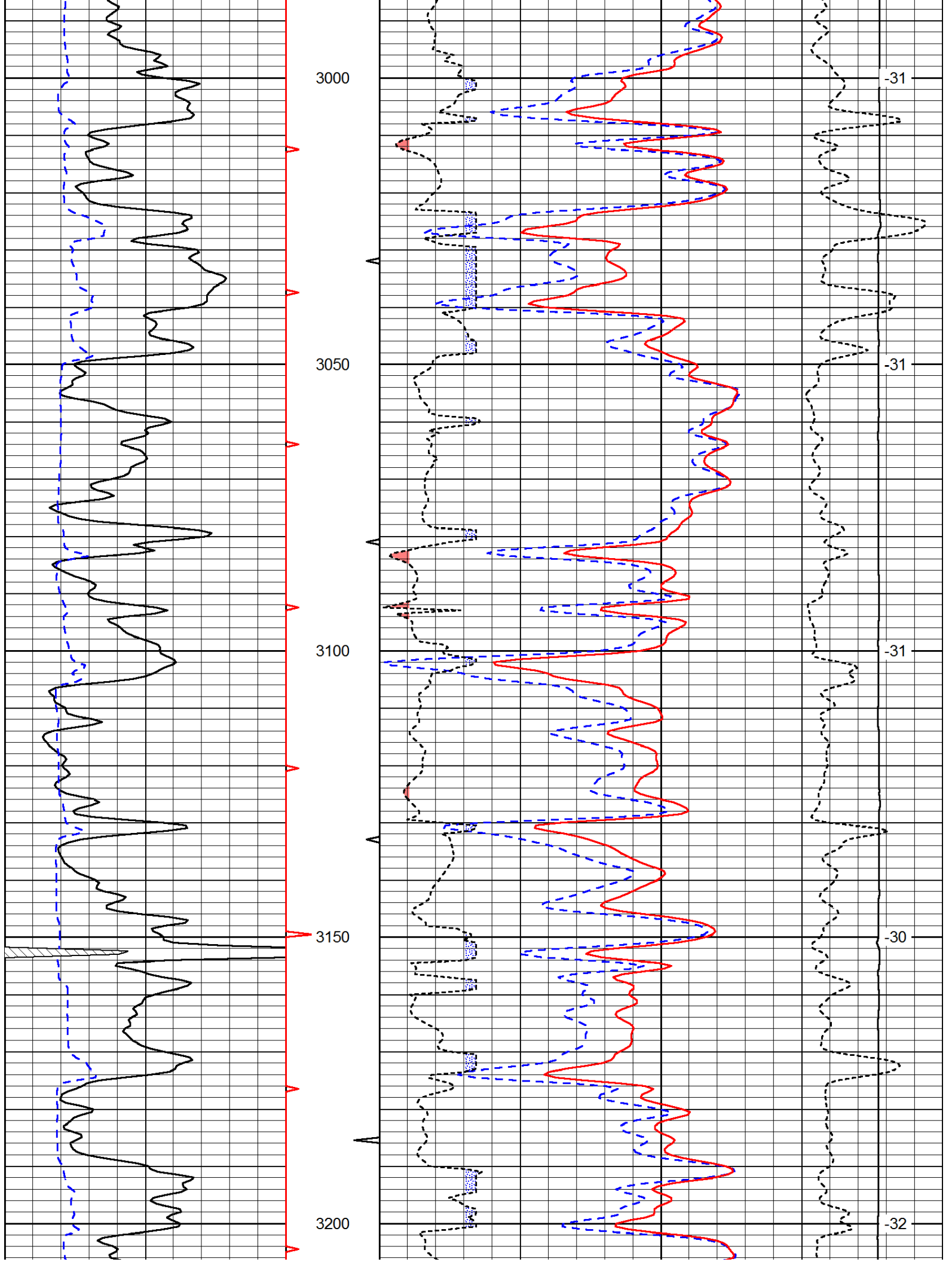
Bogue KS, South Edge of Town,
 2 West, North Into

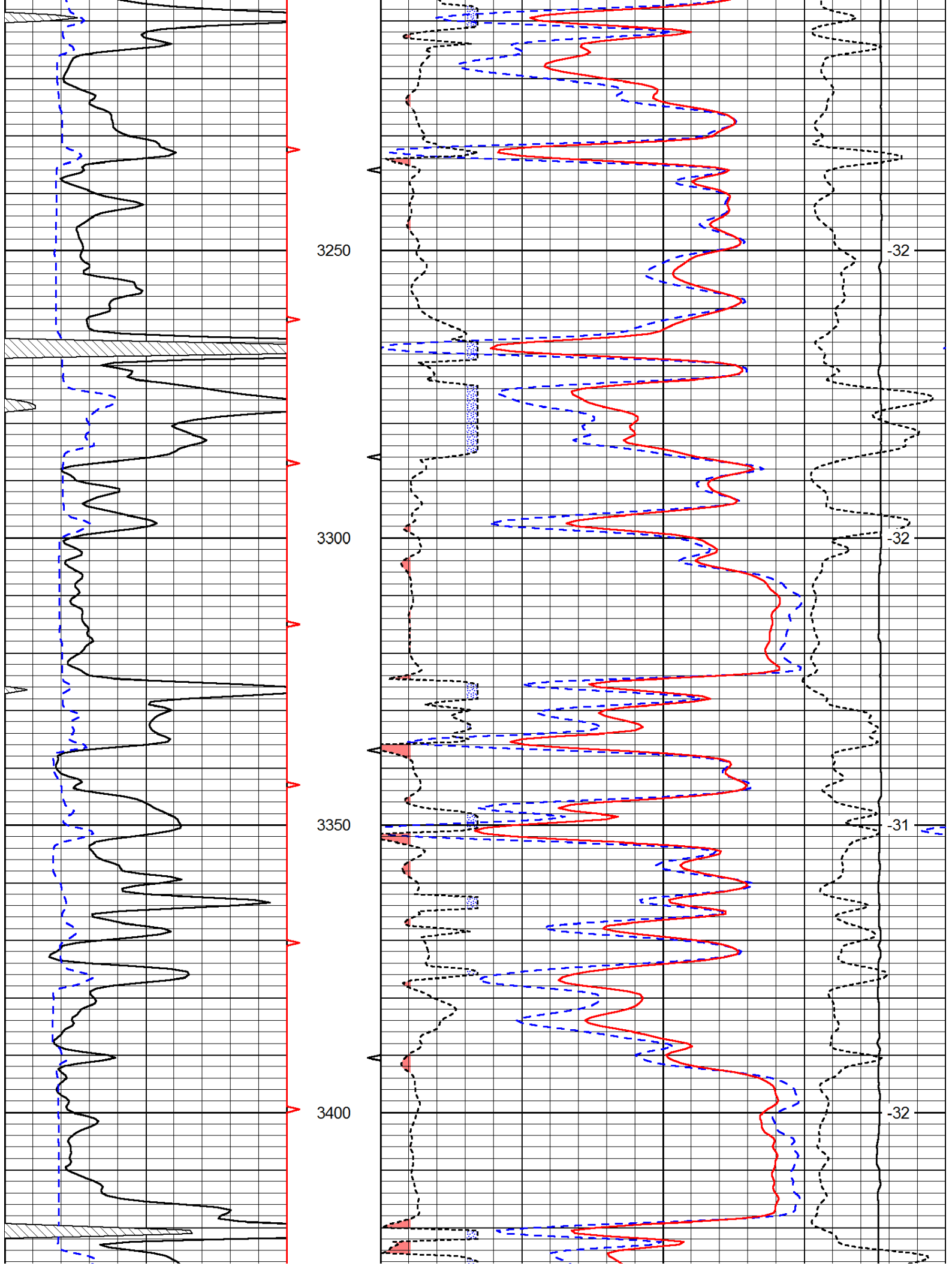
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 Dataset Creation: Sun Dec 15 12:23:58 2013
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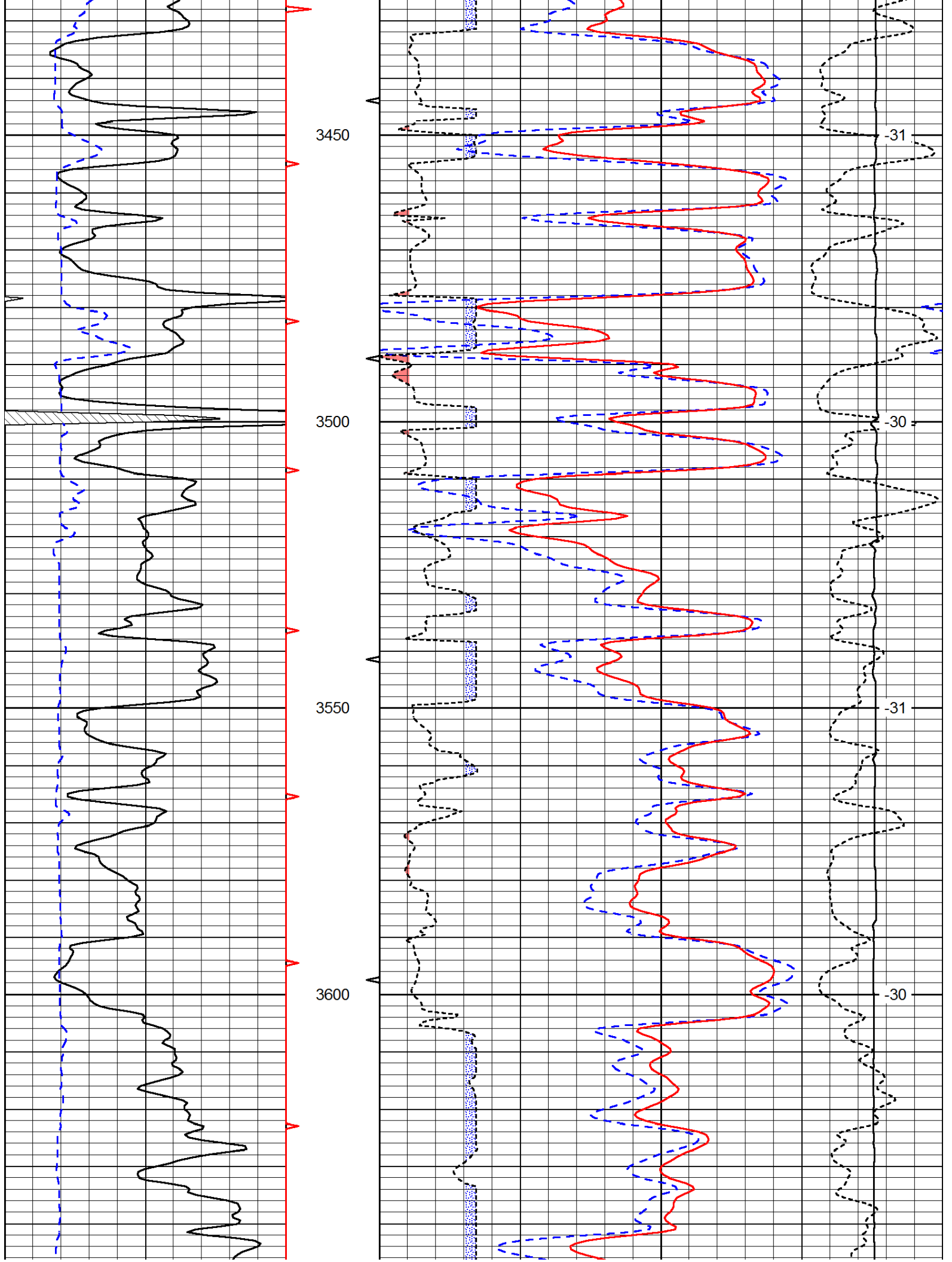
0	Gamma Ray	150
6	Caliper (GAPI)	16

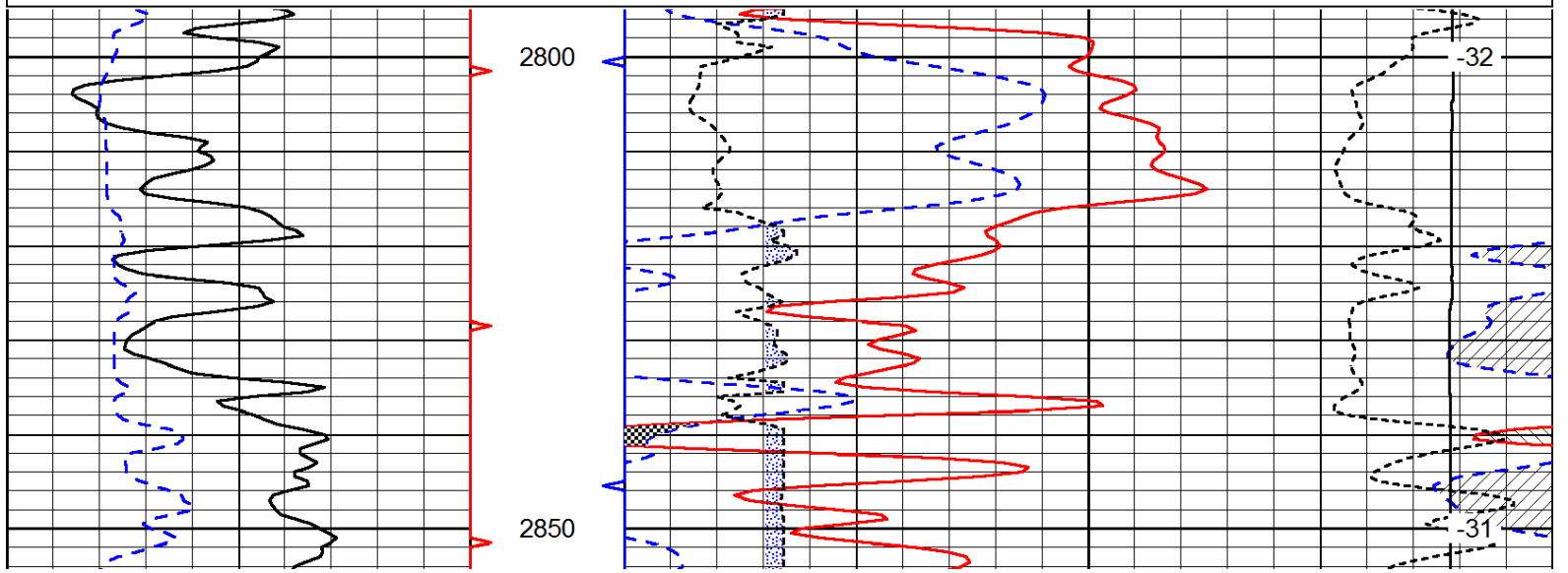
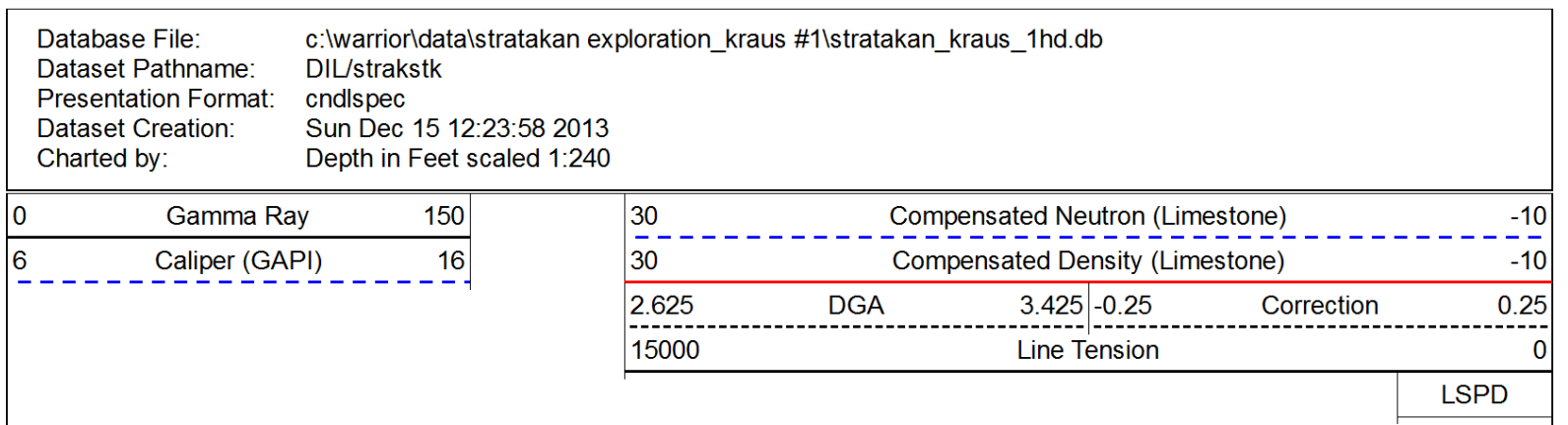
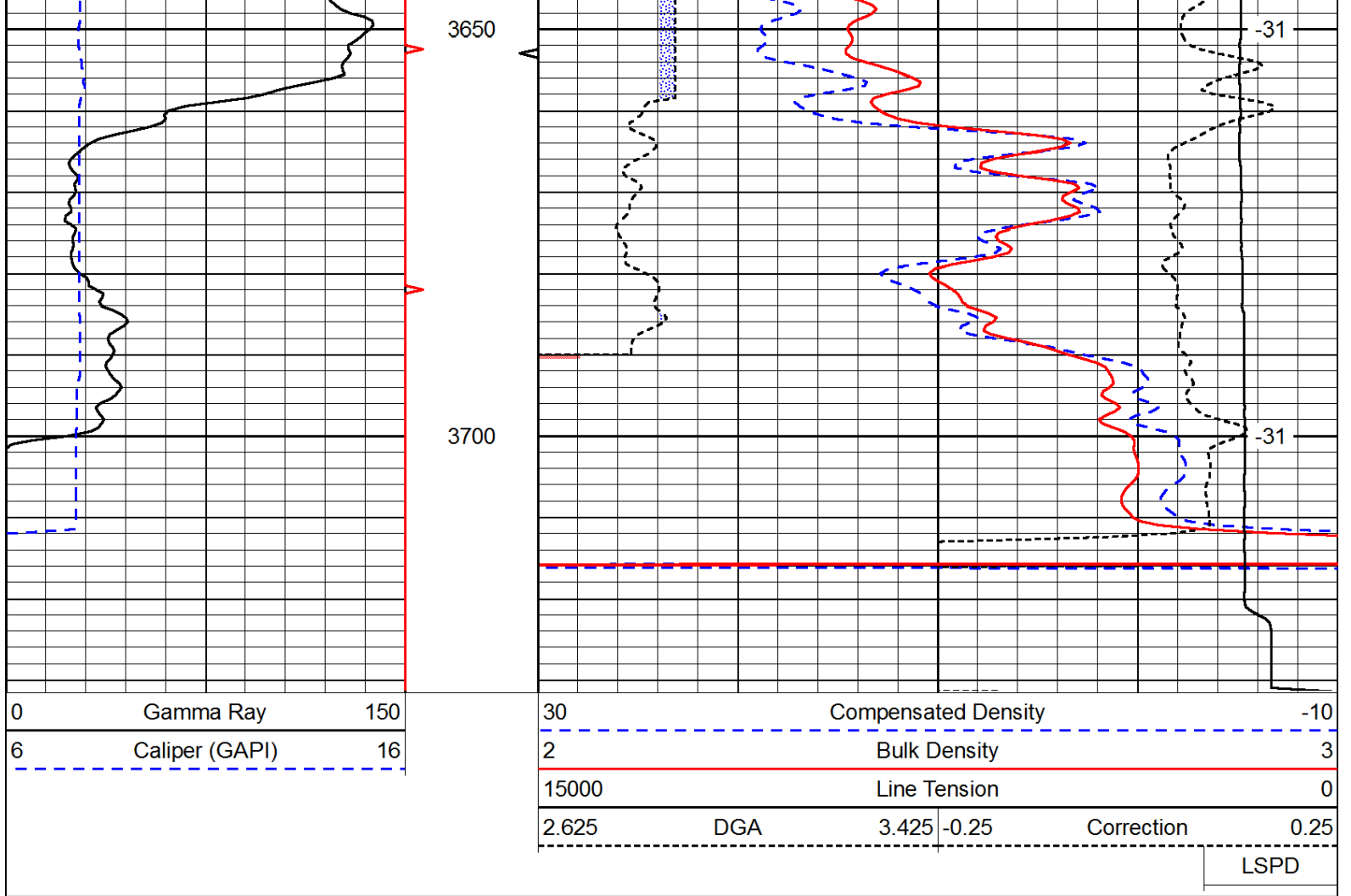
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425 -0.25	Correction 0.25
			LSPD

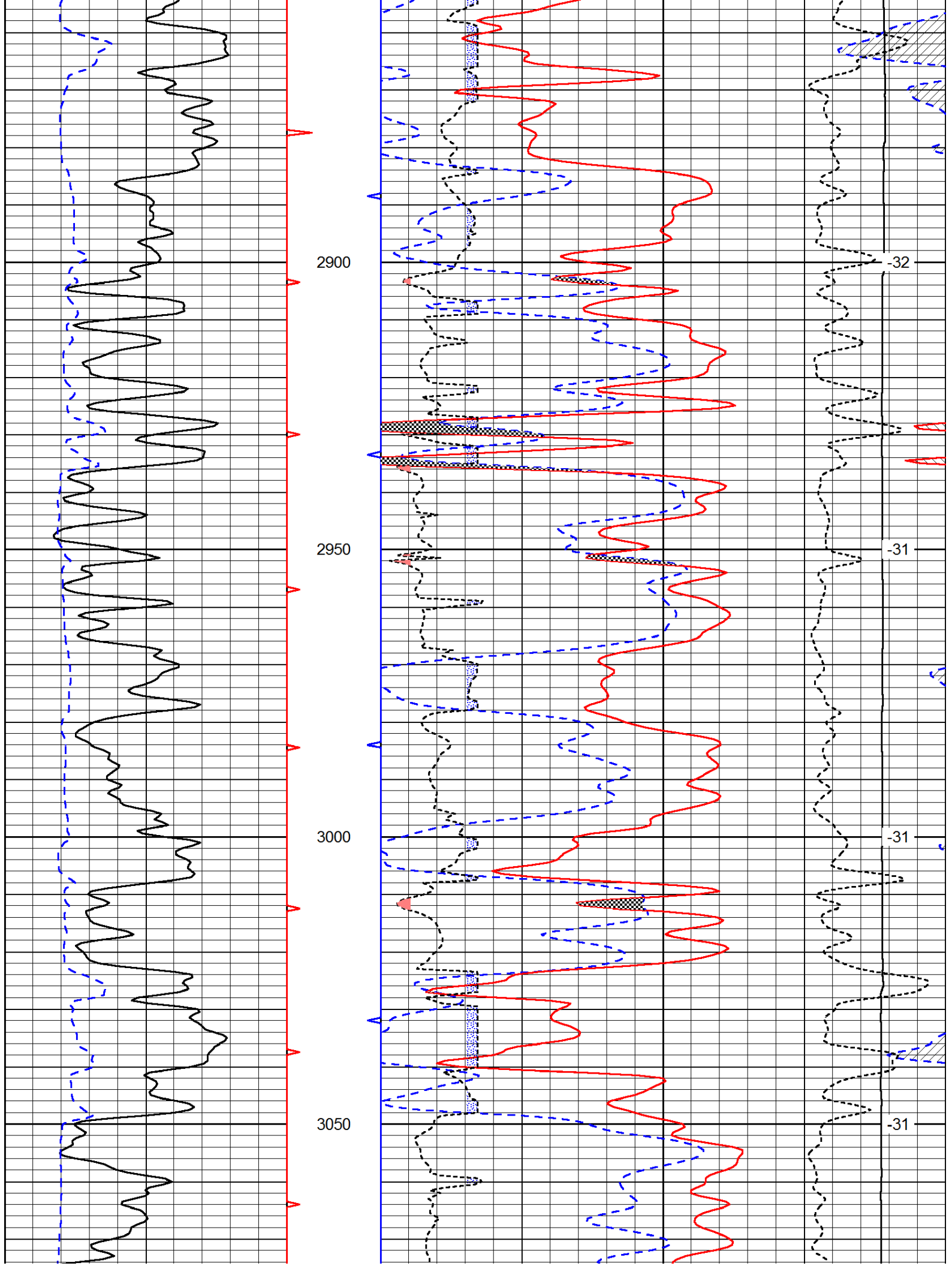


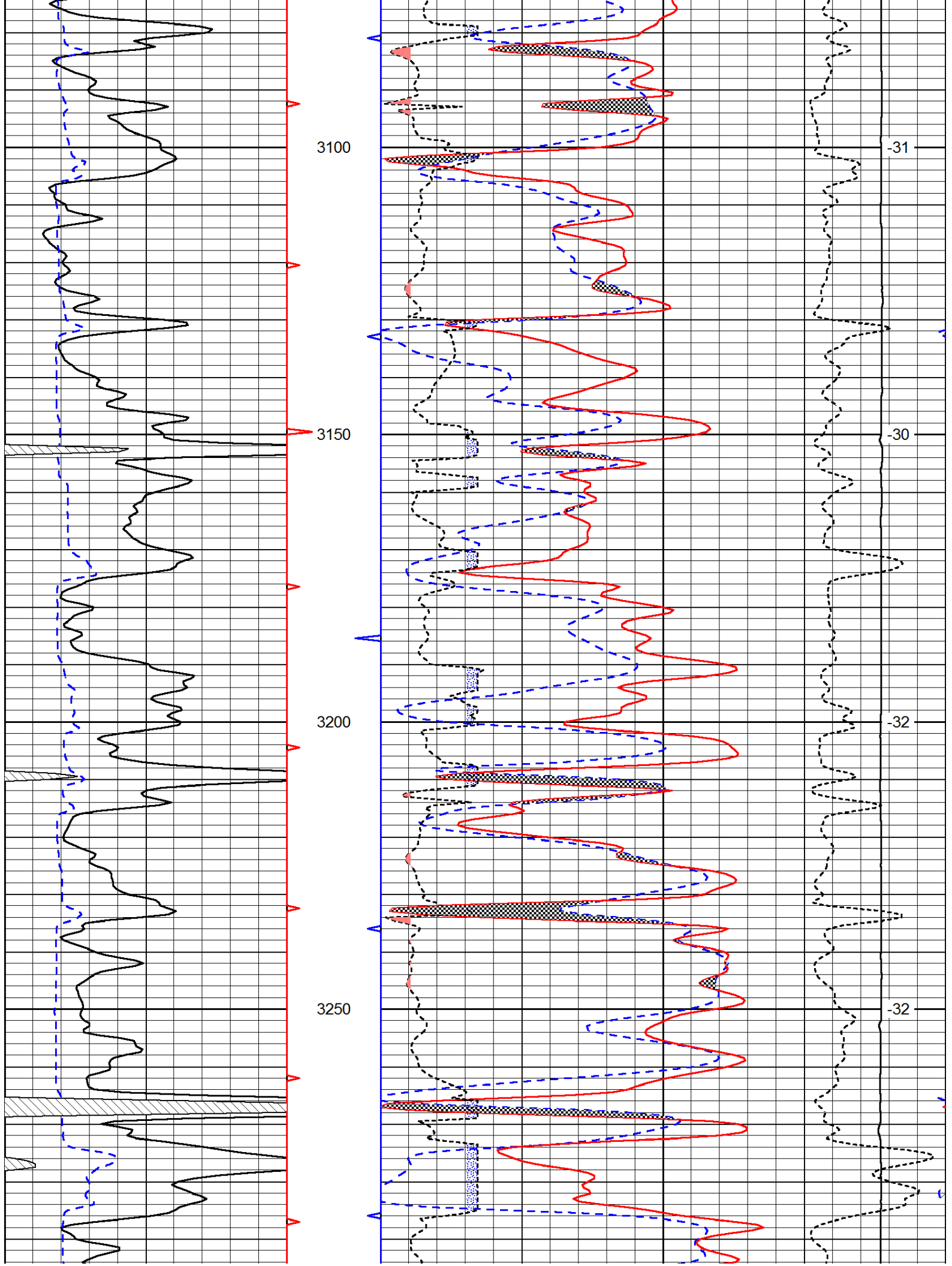


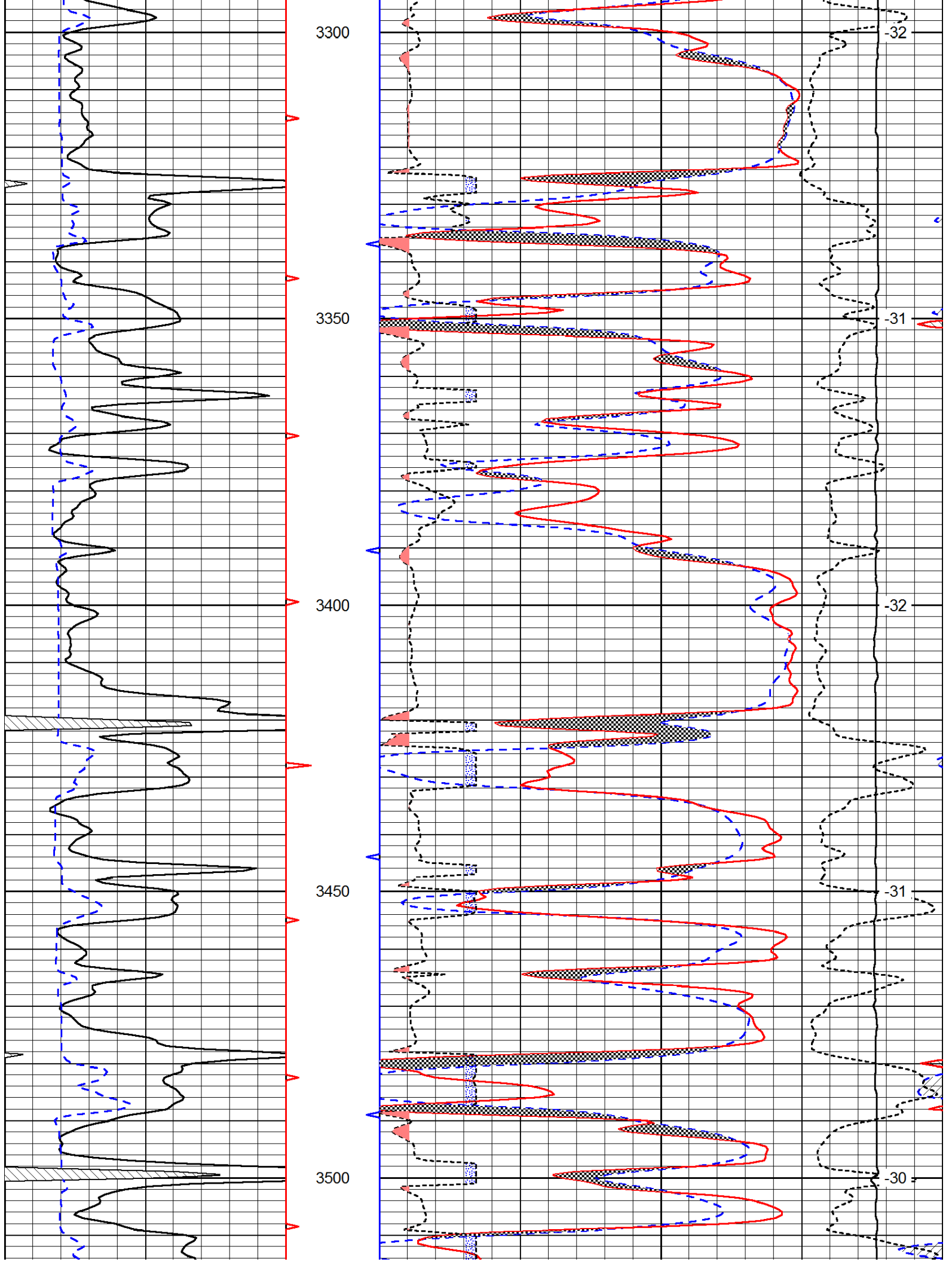


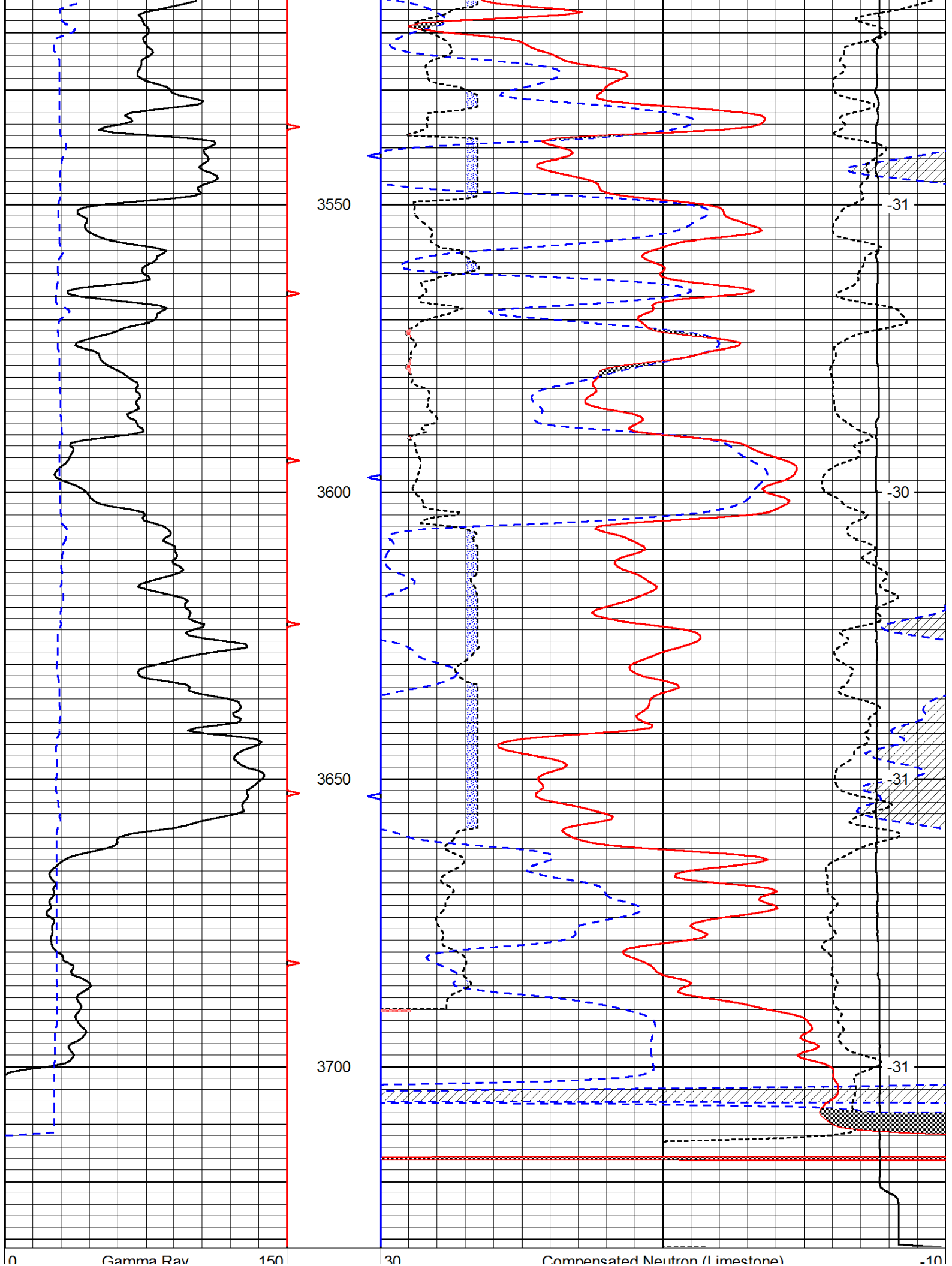












6	Gamma Ray	16
6	Caliper (GAPI)	16

30	Compensated Neutron (Limestone)			-10	
2.625	DGA	3.425	-0.25	Correction	0.25
15000	Line Tension			0	

LSPD

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/>

Shari Feist Albrecht, Chair
Jay Scott Emler, Commissioner
Pat Apple, Commissioner

Sam Brownback, Governor

August 12, 2014

Justin Prater
StrataKan Exploration, LLC
204 W. MILL ST.
PLAINVILLE, KS 67663

Re: ACO-1
API 15-065-23988-00-00
Kraus 1
NW/4 Sec.13-08S-22W
Graham County, Kansas

Dear Justin Prater :

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

The above referenced well was spudded on 12/8/2013 and the ACO-1 was received on July 29, 2014 (not within the 120 days timely requirement).

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

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

Sincerely,

Production Department