



Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION 1218924
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: _____



1218924

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: 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> _____ <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	ZU, LLC
Well Name	GOULD 1
Doc ID	1218924

Tops

Name	Top	Datum
ANHYDRITE	613	+1222
TOPEKA	2755	-920
HEEBNER SHALE	3020	1185
TORONTO	3038	1203
DOUGLAS SHALE	3054	-1219
BROWN LIME	3147	-1312
LKC	3163	-1328
BKC	3377	-1540
ARBUCKLE	3421	-1586

OPERATOR

Company: ZU, LLC
 Address: 108 WEST 34TH STREET
 HAYS, KANSAS 67601

Contact Geologist: GREG WHITEHAIR
 Contact Phone Nbr: 785-432-0789
 Well Name: GOULD # 1
 Location: E2 SE NE, SEC. 28-20S-12W
 API: 15-009-25,996-00-00
 Pool: IN FIELD
 State: KANSAS

Field: CHASE-SILICA
 Country: USA

Scale 1:240 Imperial

Well Name: GOULD # 1
 Surface Location: E2 SE NE, SEC. 28-20S-12W
 Bottom Location:
 API: 15-009-25,996-00-00
 License Number: 32699
 Spud Date: 6/18/2014 Time: 9:00 AM
 Region: BARTON COUNTY
 Drilling Completed: 8/9/2014 Time: 3:00 AM
 Surface Coordinates: 1980' FNL & 330' FEL
 Bottom Hole Coordinates:
 Ground Elevation: 1828.00ft
 K.B. Elevation: 1835.00ft
 Logged Interval: 2750.00ft To: 3530.00ft
 Total Depth: 3530.00ft
 Formation: ARBUCKLE
 Drilling Fluid Type: CHEMICAL/FRESH WATER GEL

SURFACE CO-ORDINATES

Well Type: Vertical
 Longitude: -98.6464886
 Latitude: 38.2846905
 N/S Co-ord: 1980' FNL
 E/W Co-ord: 330' FEL

LOGGED BY

Company: SOLUTIONS CONSULTING, INC.
 Address: 108 WEST 35TH STREET
 HAYS, KANSAS 67601

Phone Nbr: 785-625-3380
 Logged By: GEOLOGIST

Name: BRUCE BASYE/HERB DEINES

CONTRACTOR

Contractor: PRECISION DRILLING, LLC
 Rig #: 4
 Rig Type: MUD ROTARY
 Spud Date: 6/18/2014 Time: 9:00 AM
 TD Date: 8/9/2014 Time: 3:00 AM
 Rig Release: 8/10/2014 Time: 6:00 AM

ELEVATIONS

K.B. Elevation: 1835.00ft Ground Elevation: 1828.00ft
 K.B. to Ground: 7.00ft

NOTES

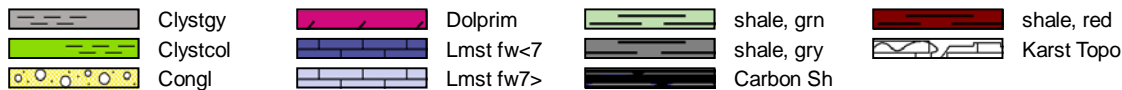
PRODUCTION CASING WAS RAN TO FURTHER TEST AND DEVELOP WELL

NO DRILL STEM TESTS WERE RAN ON THIS WELL

FORMATION TOPS COMPARISON

	GOULD # 1	SPACIL # 1	SPACILE #2
	E2 SE NE	SE NW NE	SE SE NE
	SEC. 28-20S-12W	SEC. 28-20-12W	SEC. 28-20-12W
	1828'GL 1835'KB	KB 1854'	KB 1835'
<u>FORMATION</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>	<u>LOG TOPS</u>
Anhydrite	613 +1222	+1216	+1220
Topeka	2755 -920	- 929	
Heebner Sh.	3020-1185	-1192	-1187
Toronto	3038-1203	-1213	
Douglas Sh.	3054-1219	-1228	
Brown Lime	3147-1312	-1317	-1313
LKC	3163-1328	-1332	-1331
BKC	3377-1542	-1540	
Arbuckle	3421-1586	-1562	-1564
RTD	3530-1695	-1637	-1597

ROCK TYPES



ACCESSORIES

FOSSIL

- Oolite
- ⊕ Oomoldic

OTHER SYMBOLS

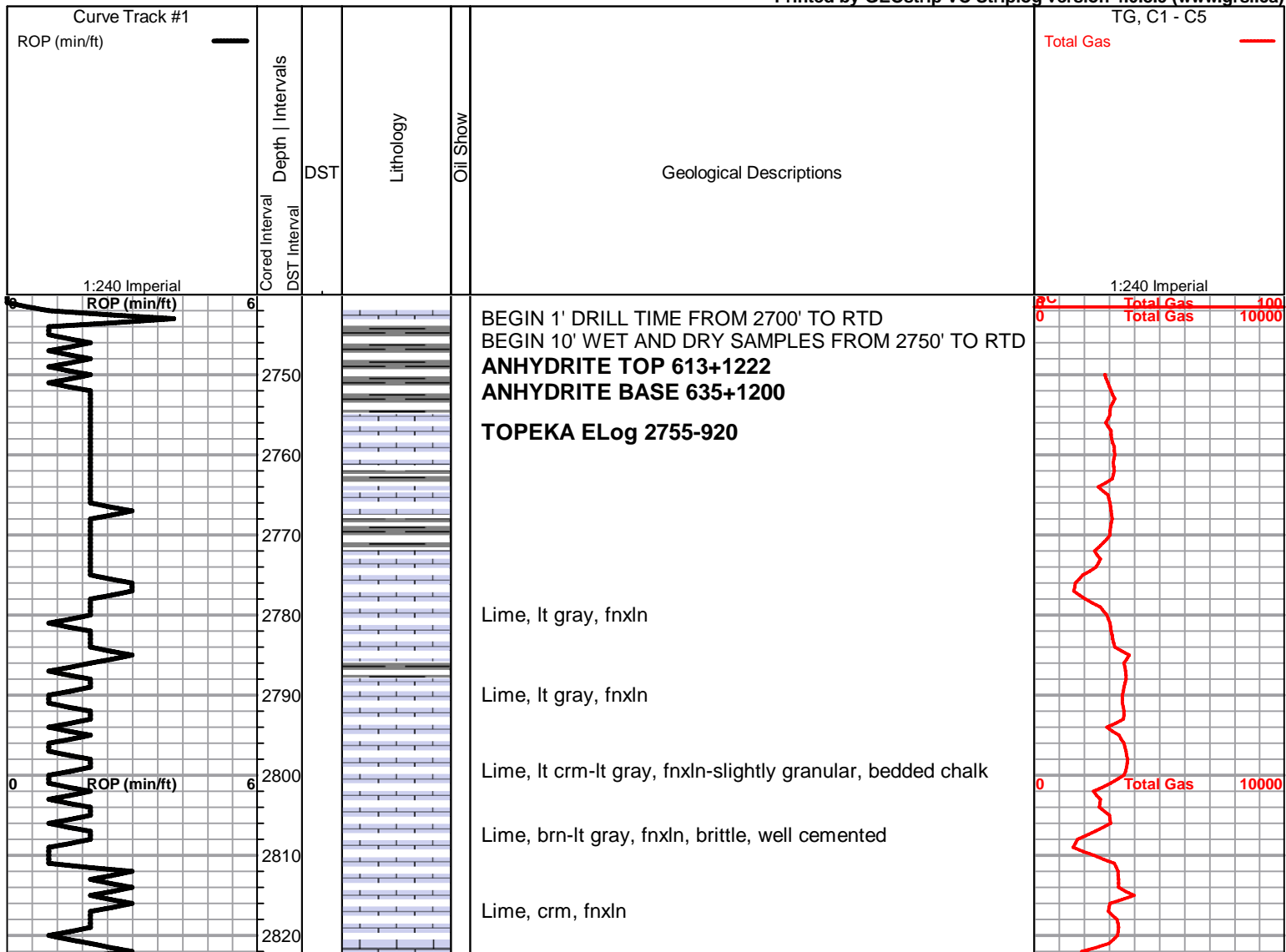
Oil Show

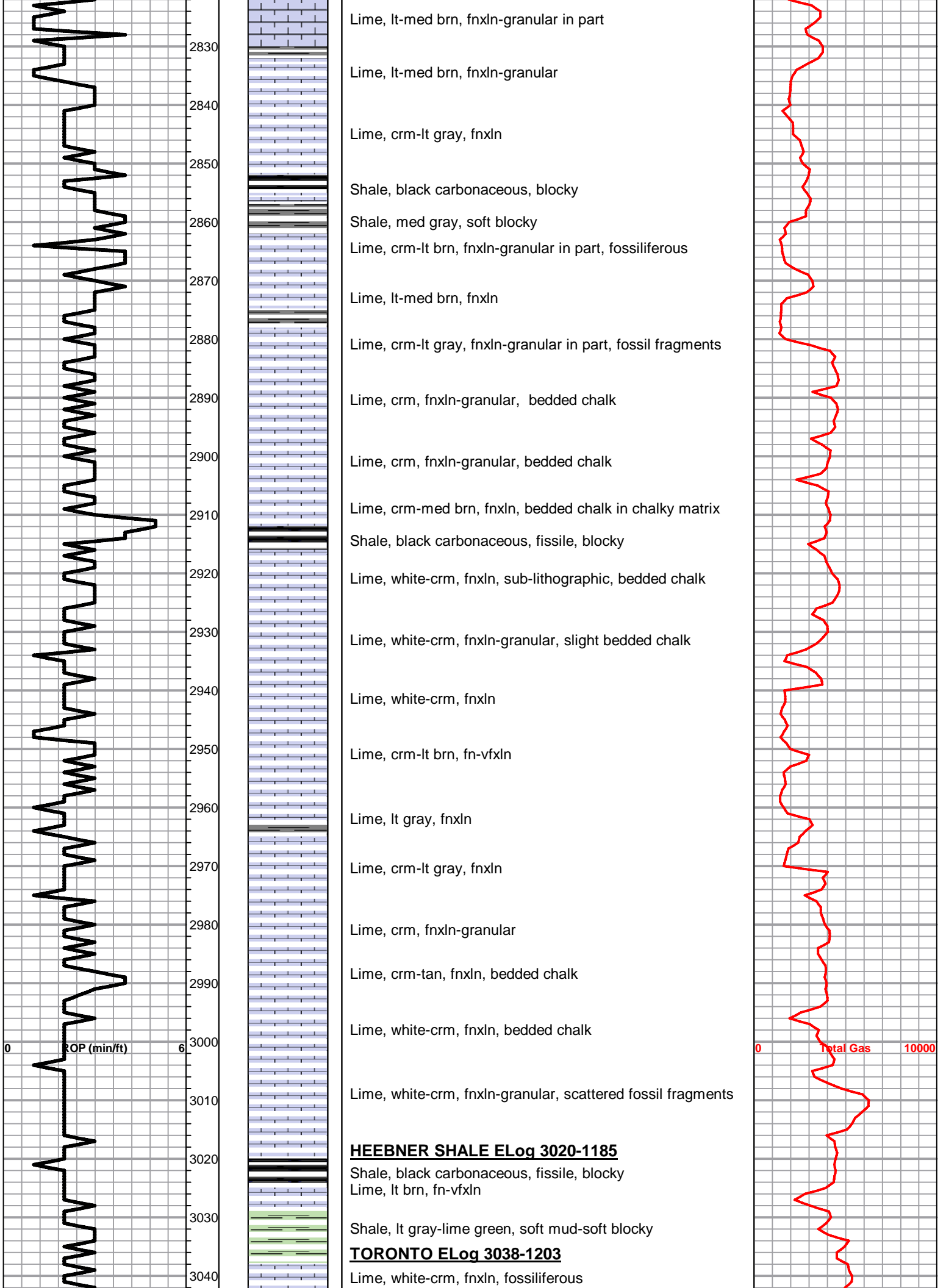
- Good Show
- Fair Show
- Poor Show
- Spotted or Trace
- Questionable Stn
- D Dead Oil Stn
- Fluorescence
- * Gas

DST

- DST Int
- DST alt
- Core
- tail pipe

Printed by GEOstrip VC Striplog version 4.0.8.9 (www.grsi.ca)





Lime, lt-med brn, fnxln-granular in part

2830

Lime, lt-med brn, fnxln-granular

2840

Lime, crm-lt gray, fnxln

2850

Shale, black carbonaceous, blocky

2860

Shale, med gray, soft blocky

Lime, crm-lt brn, fnxln-granular in part, fossiliferous

2870

Lime, lt-med brn, fnxln

2880

Lime, crm-lt gray, fnxln-granular in part, fossil fragments

2890

Lime, crm, fnxln-granular, bedded chalk

2900

Lime, crm, fnxln-granular, bedded chalk

2910

Lime, crm-med brn, fnxln, bedded chalk in chalky matrix

Shale, black carbonaceous, fissile, blocky

2920

Lime, white-crm, fnxln, sub-lithographic, bedded chalk

2930

Lime, white-crm, fnxln-granular, slight bedded chalk

2940

Lime, white-crm, fnxln

2950

Lime, crm-lt brn, fn-vfxln

2960

Lime, lt gray, fnxln

2970

Lime, crm-lt gray, fnxln

2980

Lime, crm, fnxln-granular

2990

Lime, crm-tan, fnxln, bedded chalk

3000

Lime, white-crm, fnxln, bedded chalk

3010

Lime, white-crm, fnxln-granular, scattered fossil fragments

3020

HEEBNER SHALE ELog 3020-1185

Shale, black carbonaceous, fissile, blocky

Lime, lt brn, fn-vfxln

3030

Shale, lt gray-lime green, soft mud-soft blocky

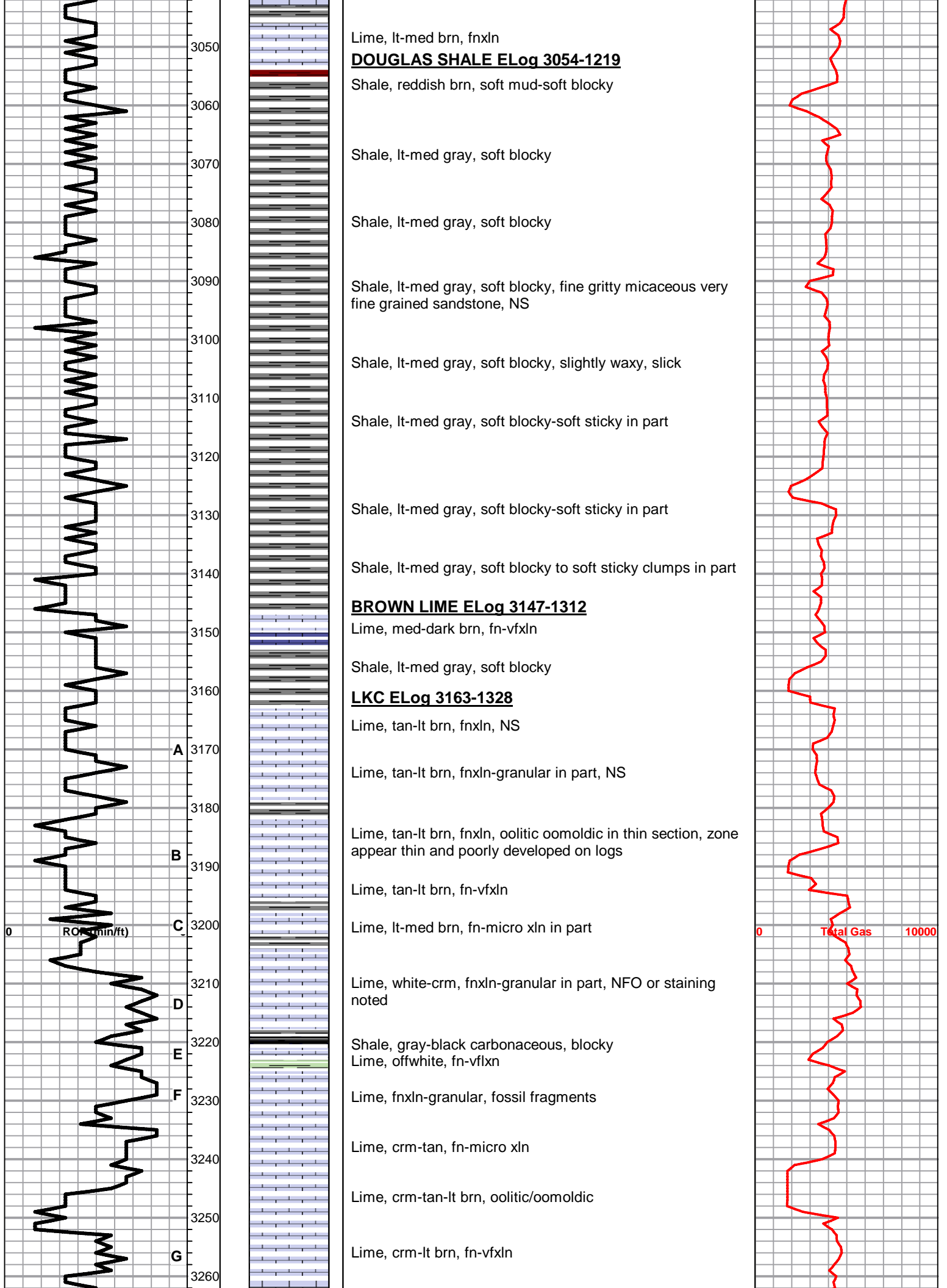
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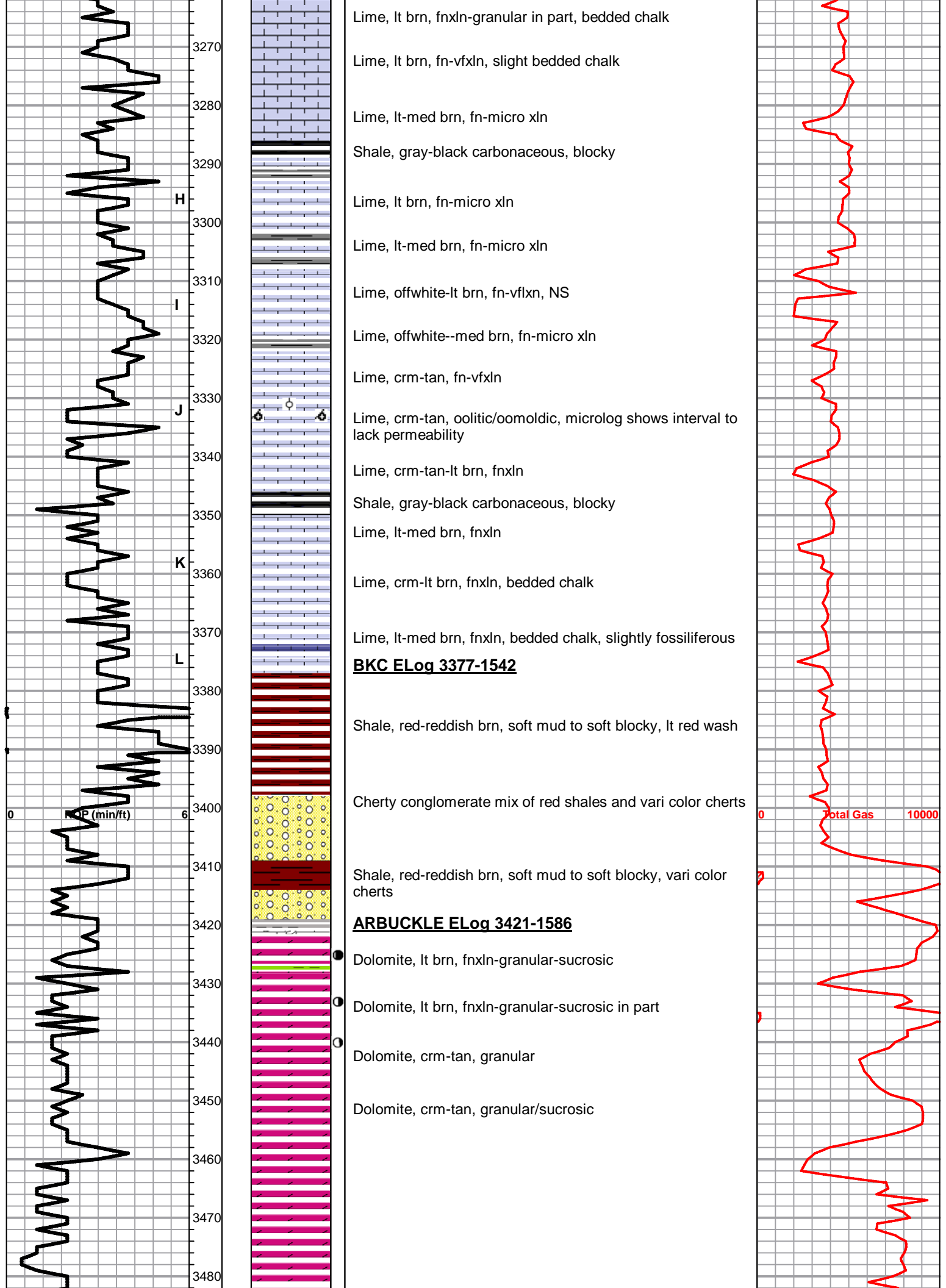
TORONTO ELog 3038-1203

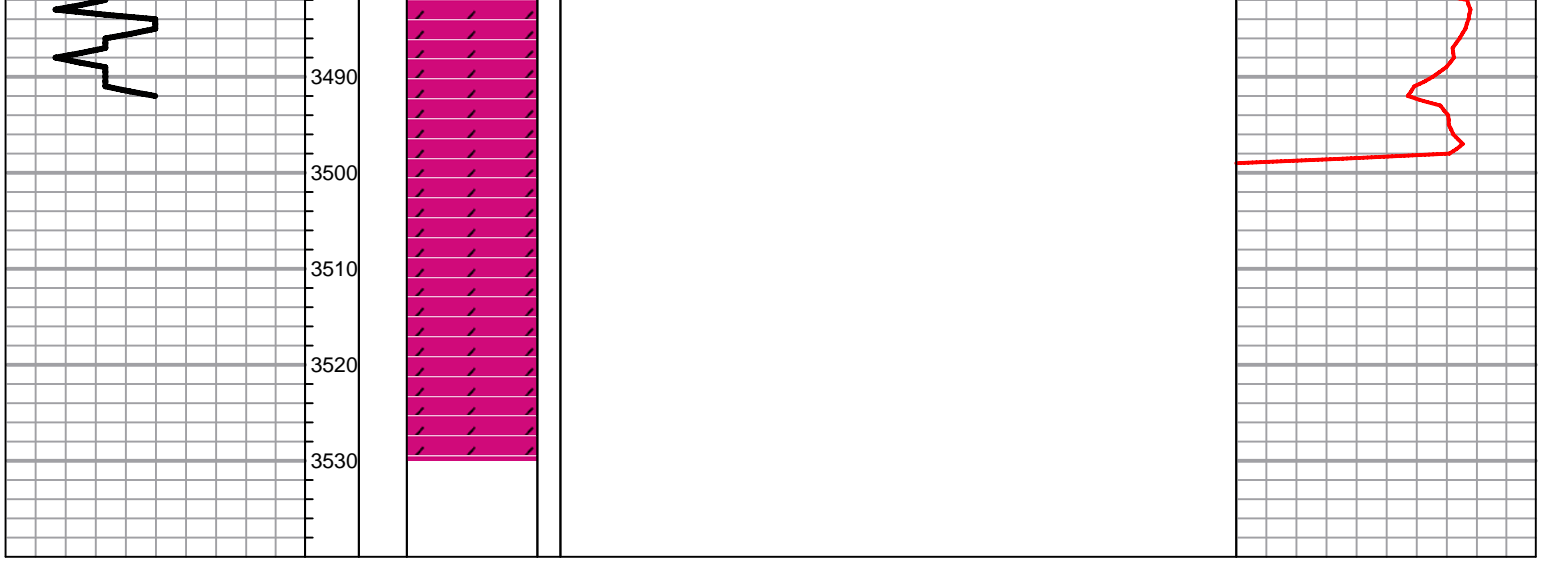
Lime, white-crm, fnxln, fossiliferous

ROP (min/ft)

Total Gas









Pioneer Energy Services

Dual Compensated Porosity Log

15-009-25,996-00-00

API No.

Company **ZU, LLC**
 Well **Gould # 1**
 Field **Chase-Silica**
 County **Barton** State **Kansas**

Location
1,980' FNL & 330' FEL
 Sec: **28** Twp: **20S** Rge: **12W**

Other Services
 DIL
 MEL

Permanent Datum Ground Level Elevation 1830
 Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Elevation
 K.B. 1837
 D.F.
 G.L. 1830

Date	8/10/2014
Run Number	One
Type Log	CNL / CDL
Depth Driller	3530
Depth Logger	3522
Bottom Logged Interval	3501
Top Logged Interval	2750
Type Fluid In Hole	Chemical
Salinity, PPM CL	10500
Density	9.1
Level	Full
Max. Rec. Temp. F	111
Operating Rig Time	4 Hours
Equipment -- Location	108 Hays
Recorded By	J. Long
Witnessed By	Greg Whitehair

Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
1	8.625	00	254	8.625	24#	00	254
2	6.75	254	3530				

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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

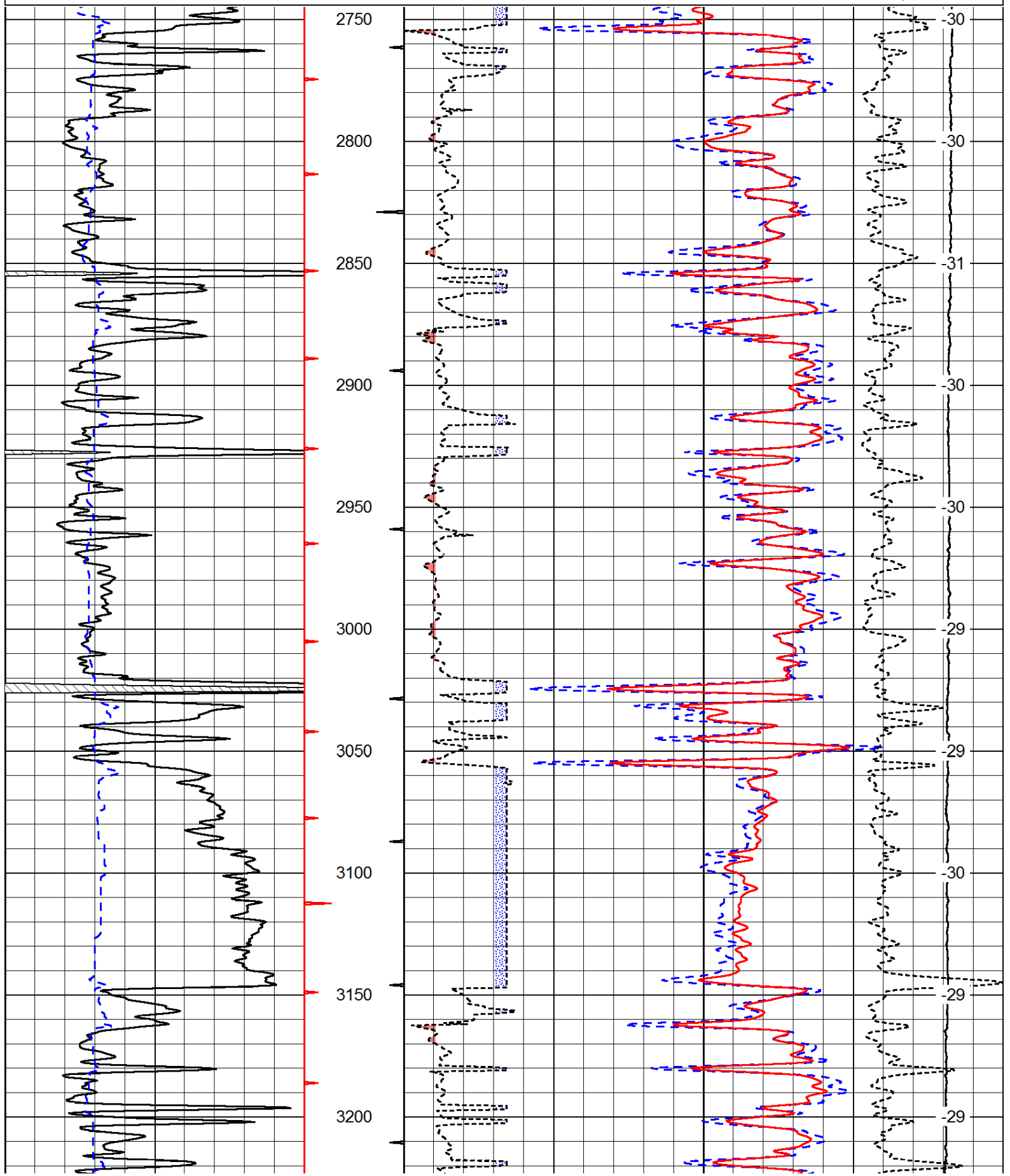
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

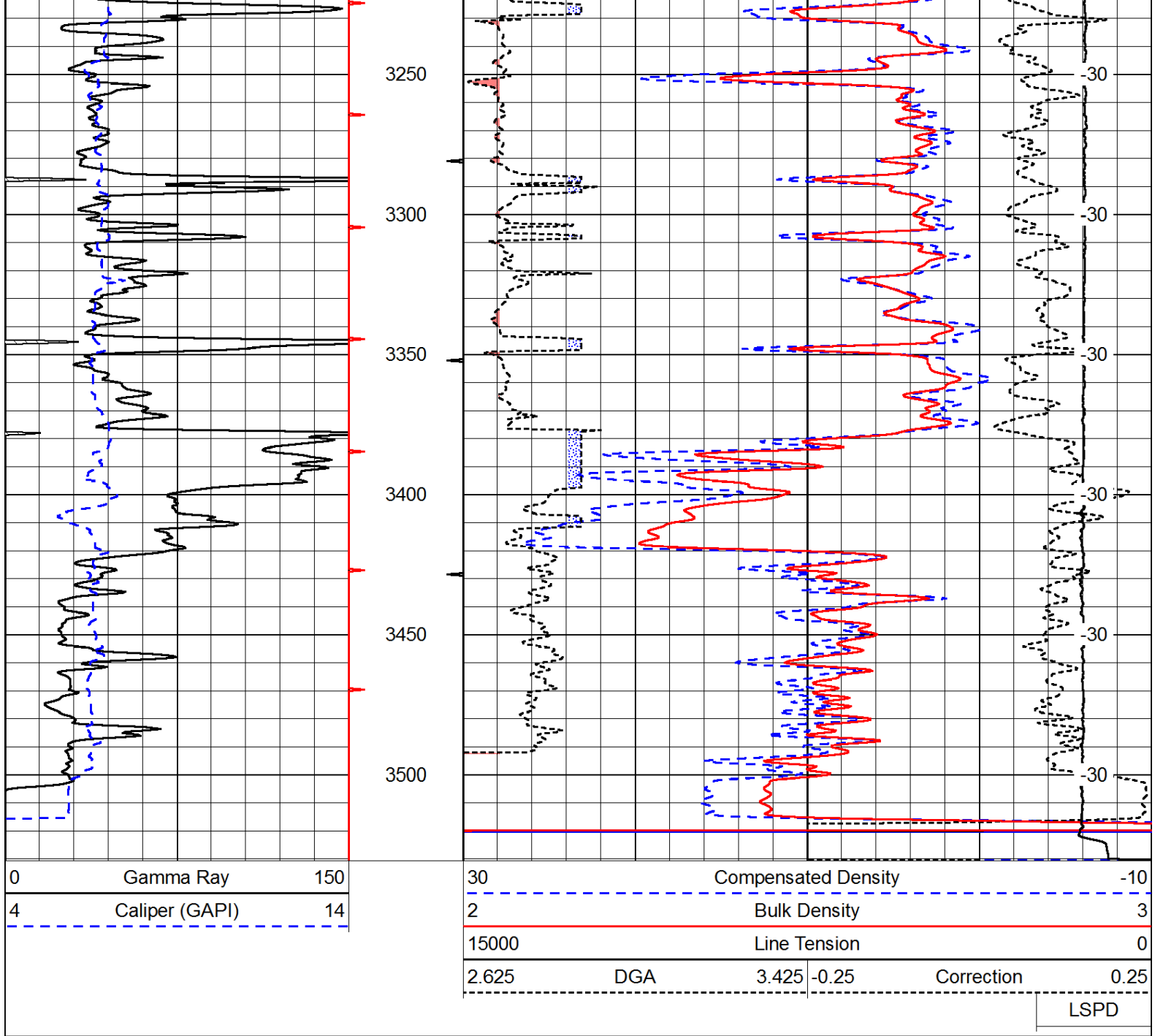
Great Bend, South to 5 Mile Blacktop (Road 50), East to Road 70, 1/2 South, West Into

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 Charted by: Depth in Feet scaled 1:600

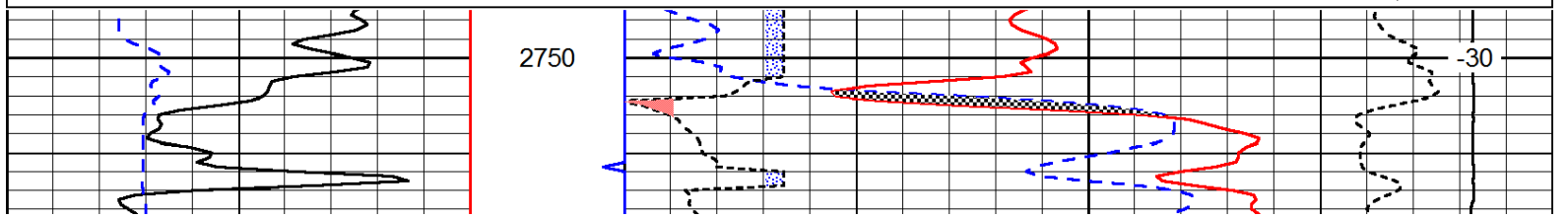
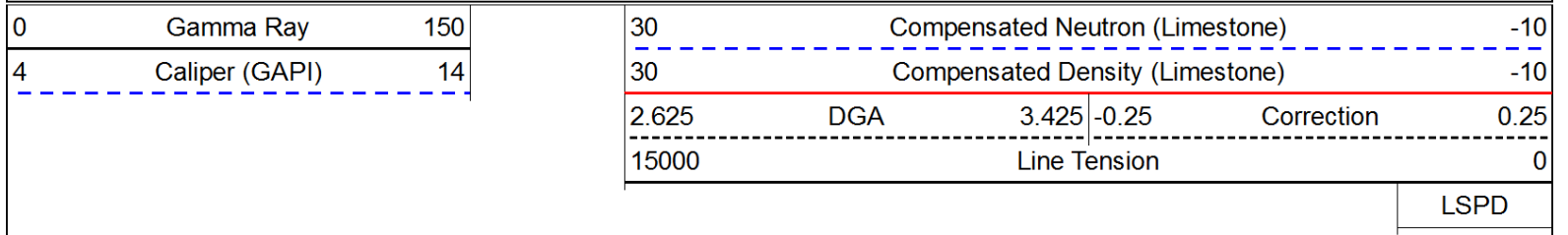
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4	Caliper (GAPI)	14

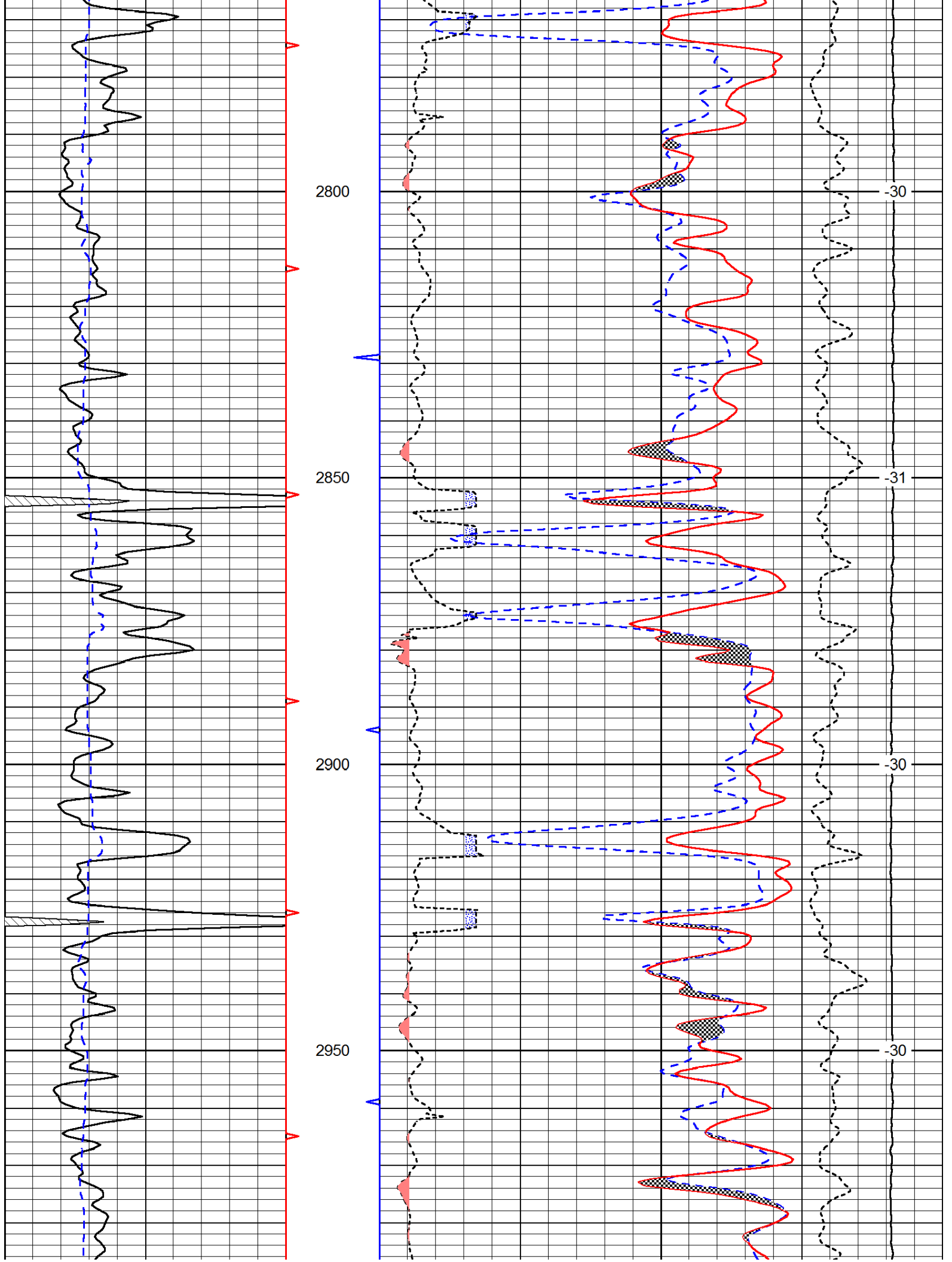
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2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
			Correction
			0.25
LSPD			

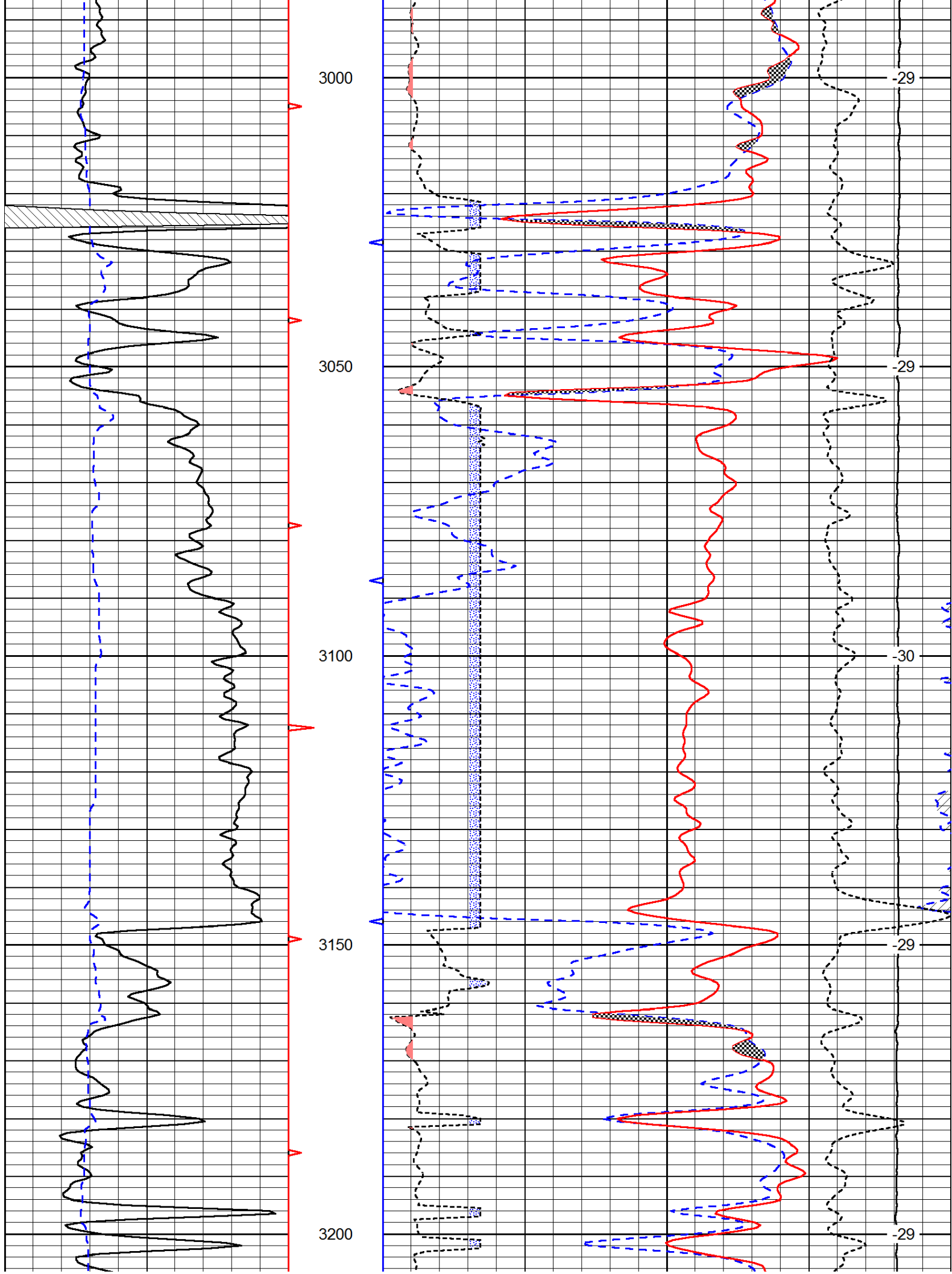


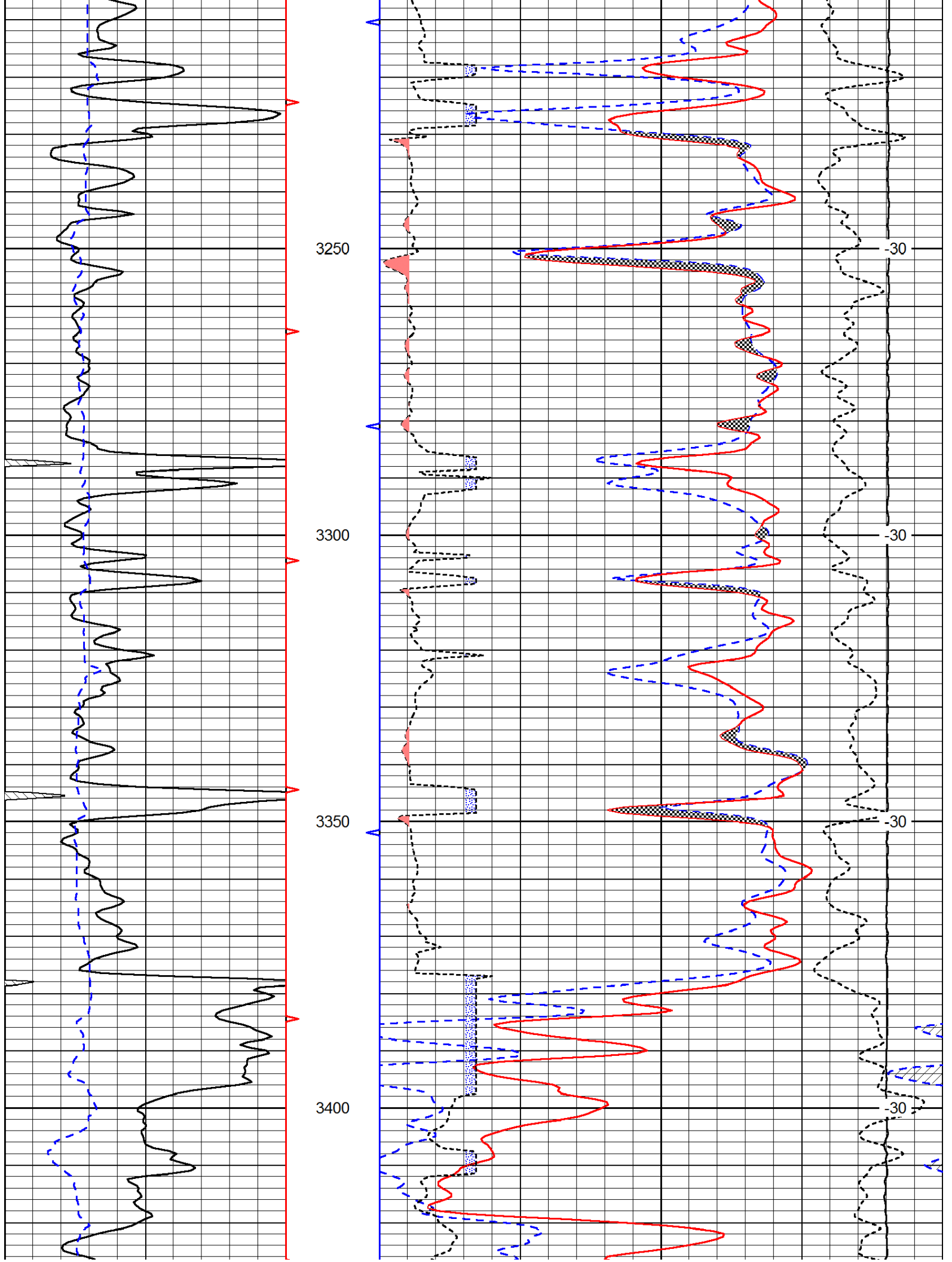


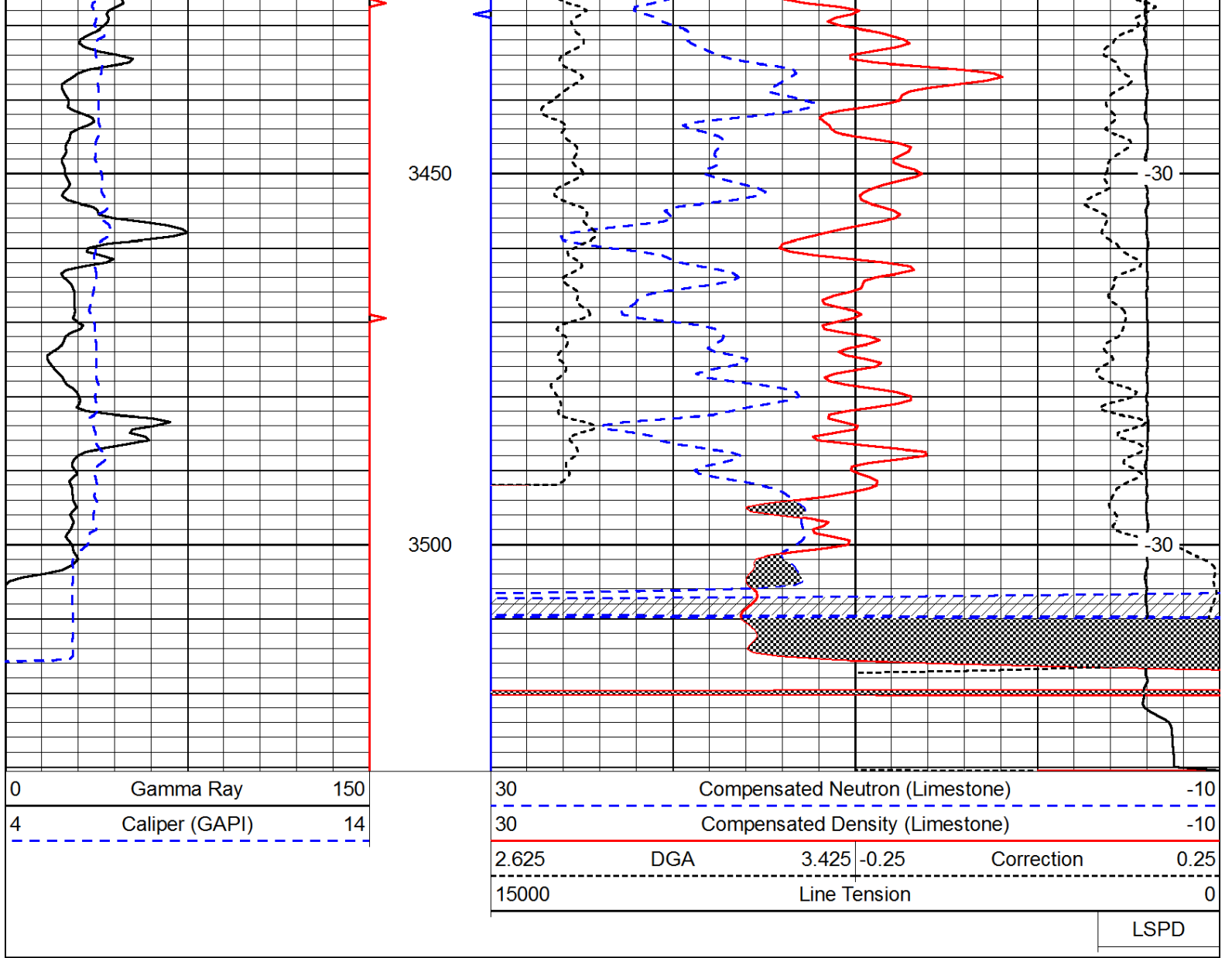
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 Charted by: Depth in Feet scaled 1:240













Pioneer Energy Services

Dual Induction Log

15-009-25,996-00-00

API No.

Company **ZU, LLC**
 Well **Gould # 1**
 Field **Chase-Silica**
 County **Barton** State **Kansas**

Location **1,980' FNL & 330' FEL**

Sec: **28** Twp: **20S** Rge: **12W**

Other Services
 CNL/CDL
 MEL

Permanent Datum **Ground Level** Elevation **1830**
 Log Measured From **Kelly Bushing** **7** Ft. Above Perm. Datum
 Drilling Measured From **Kelly Bushing**

Elevation
 K.B. 1837
 D.F. 1830
 G.L. 1830

Date	8/10/2014
Run Number	One
Depth Driller	3530
Depth Logger	3522
Bottom Logged Interval	3521
Top Log Interval	250
Casing Driller	8.625 @ 254
Casing Logger	259
Bit Size	6.750
Type Fluid in Hole	Chemical
Salinity, ppm CL	10500
Density / Viscosity	9.1 40
pH / Fluid Loss	9.0 16.0
Source of Sample	Flowline
Rm @ Meas. Temp	.28 @ 76
Rmf @ Meas. Temp	.21 @ 76
Rmc @ Meas. Temp	.38 @ 76
Source of Rmf / Rmc	Charts
Rm @ BHT	.19 @ 111
Operating Rig Time	4 Hours
Max Rec. Temp. F	111
Equipment Number	108
Location	Hays
Recorded By	J. Long
Witnessed By	Greg Whitehair

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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 Pioneer Energy Services
www.pioneerres.com
 785 625 3858

Great Bend, South to 5 Mile Blacktop (Road 50), East to Road 70, 1/2 South, West Into

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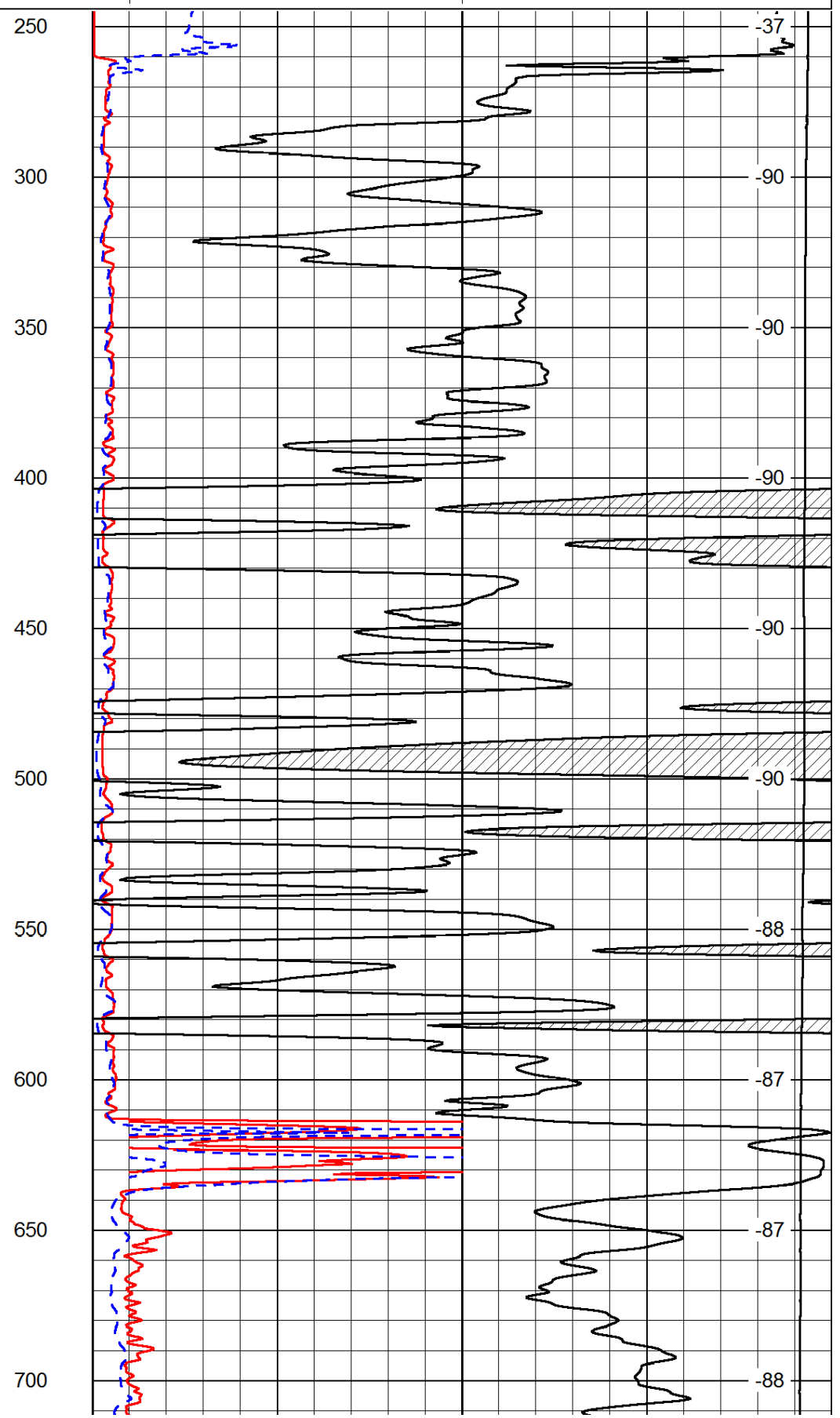
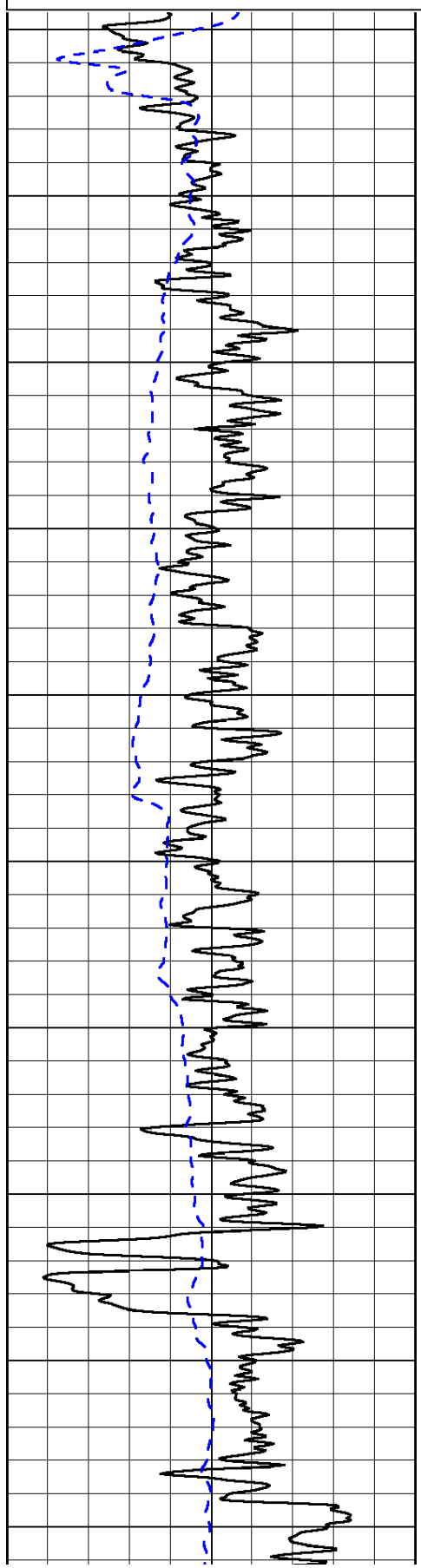
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-200	SP (mV)	0

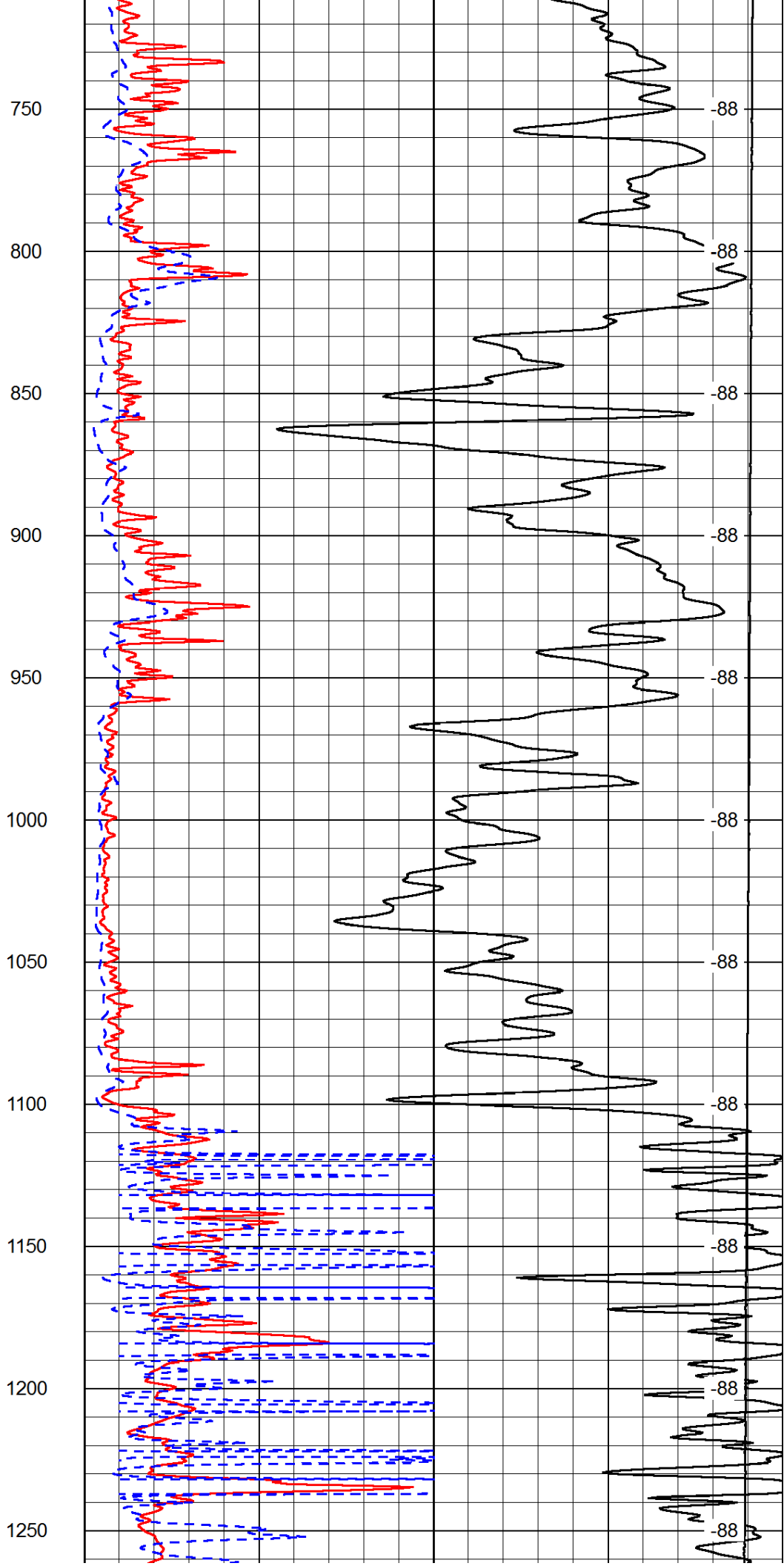
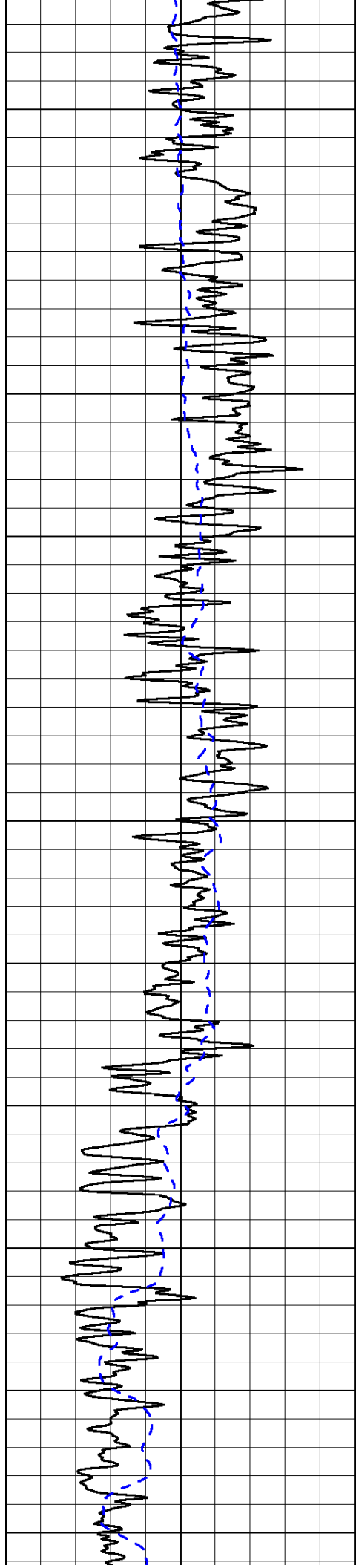
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0	Deep Resistivity	50

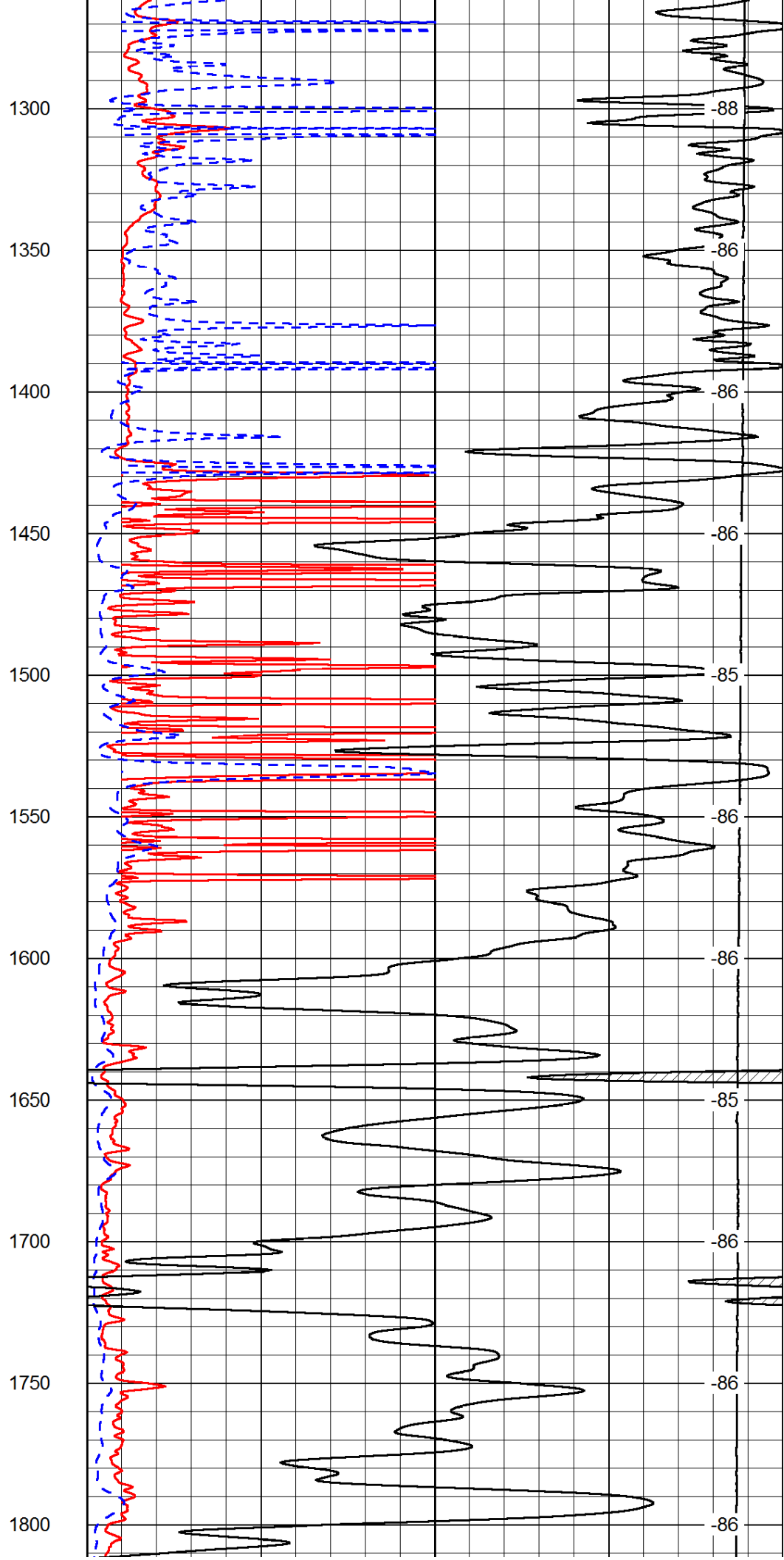
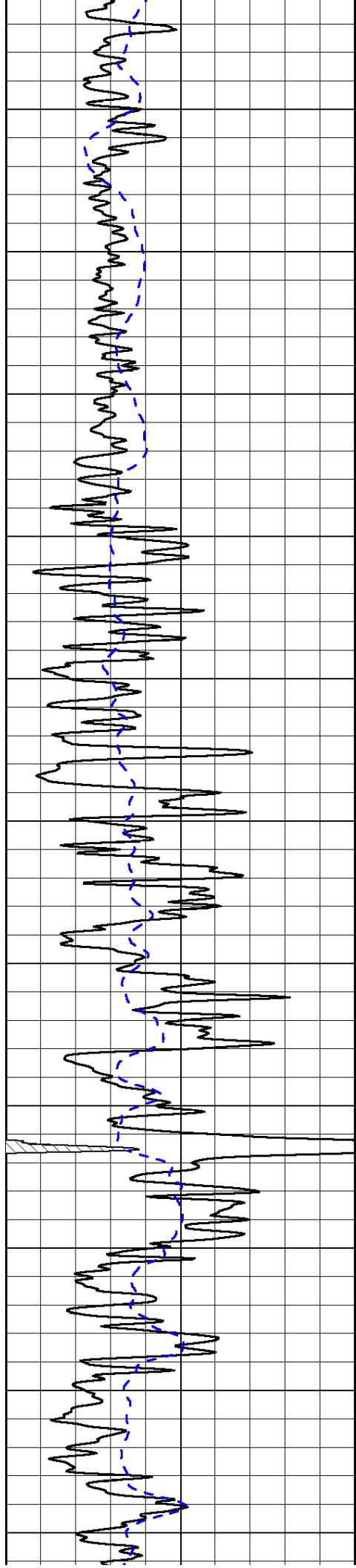
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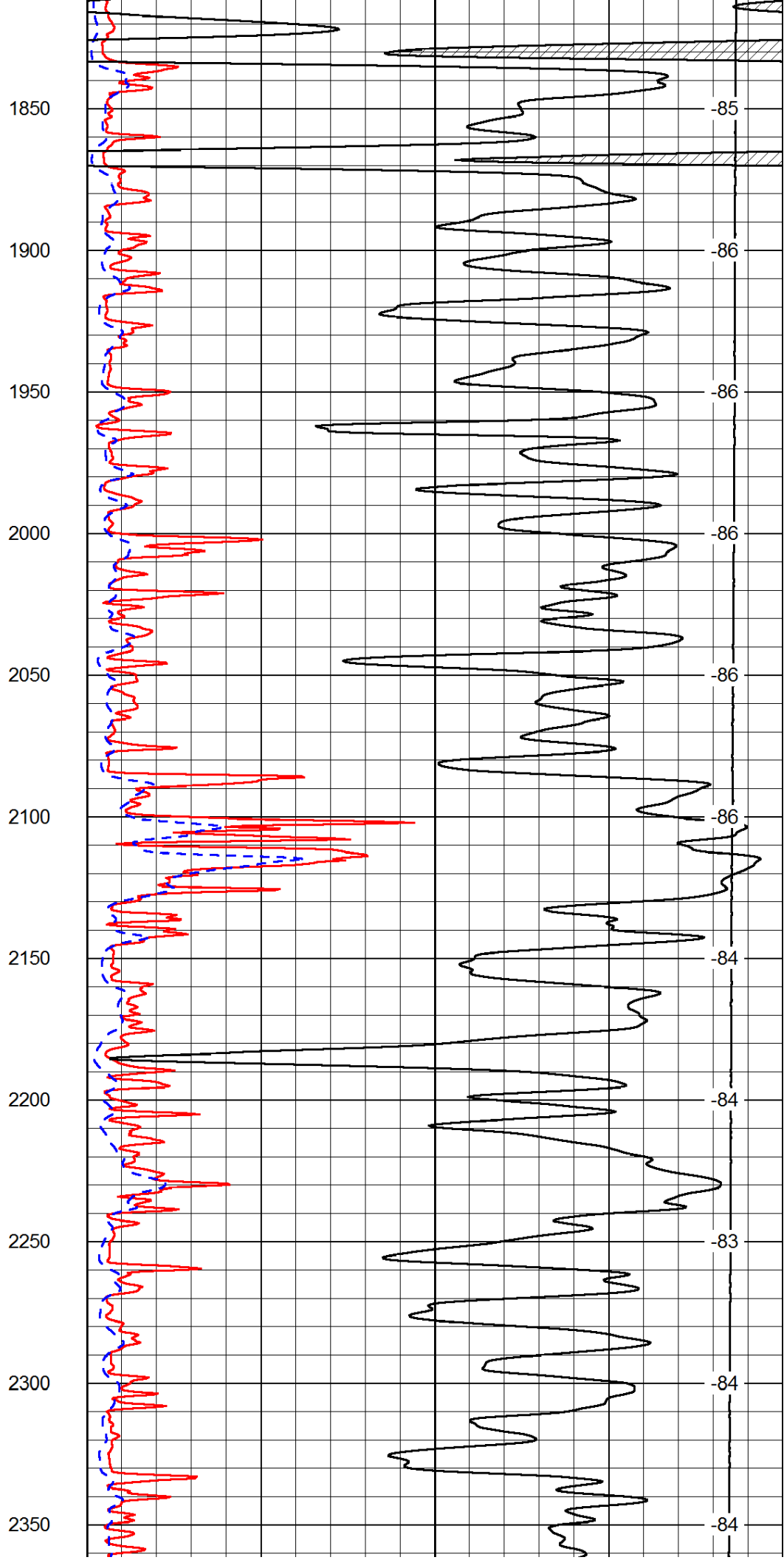
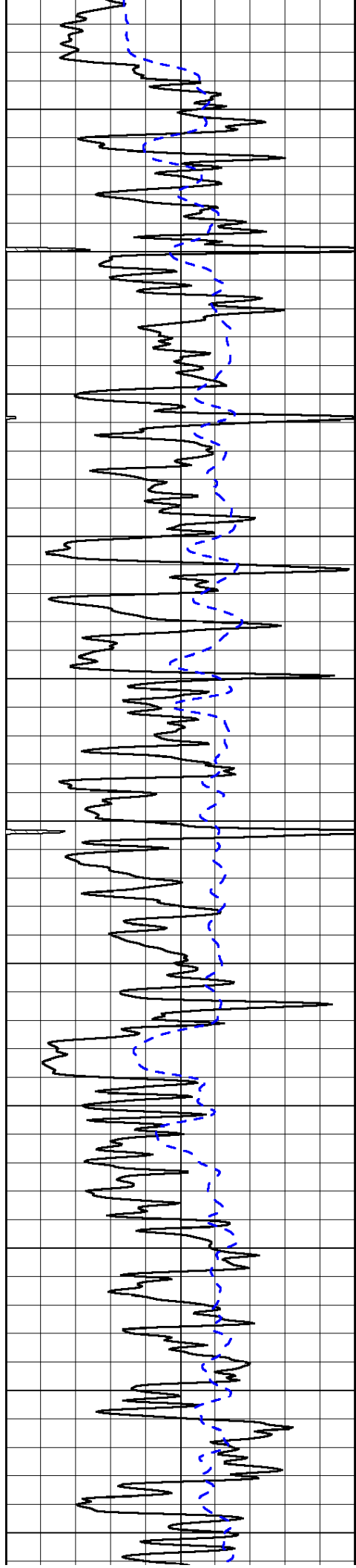
1000	Conductivity	0
15000	Line Tension	0

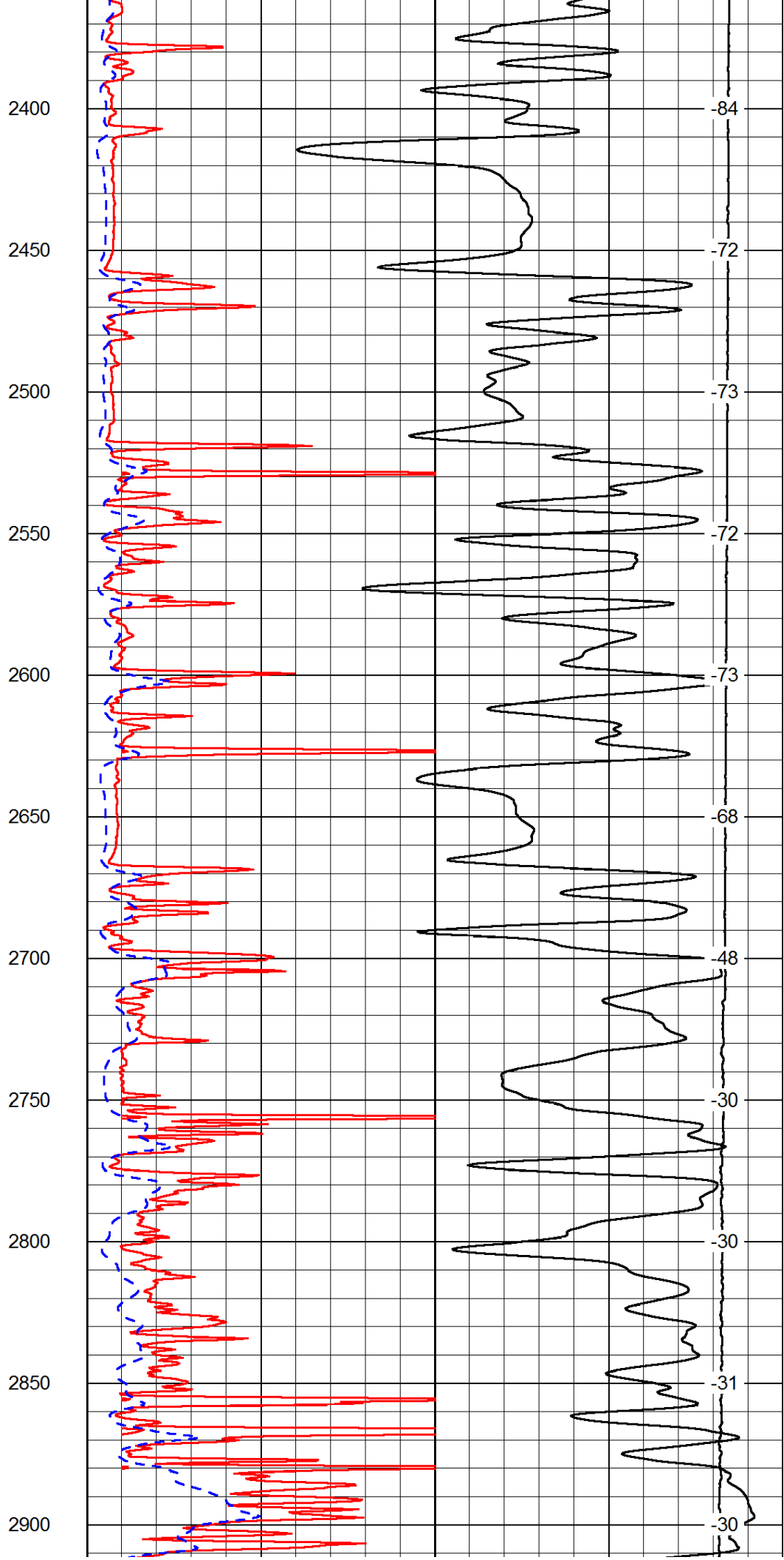
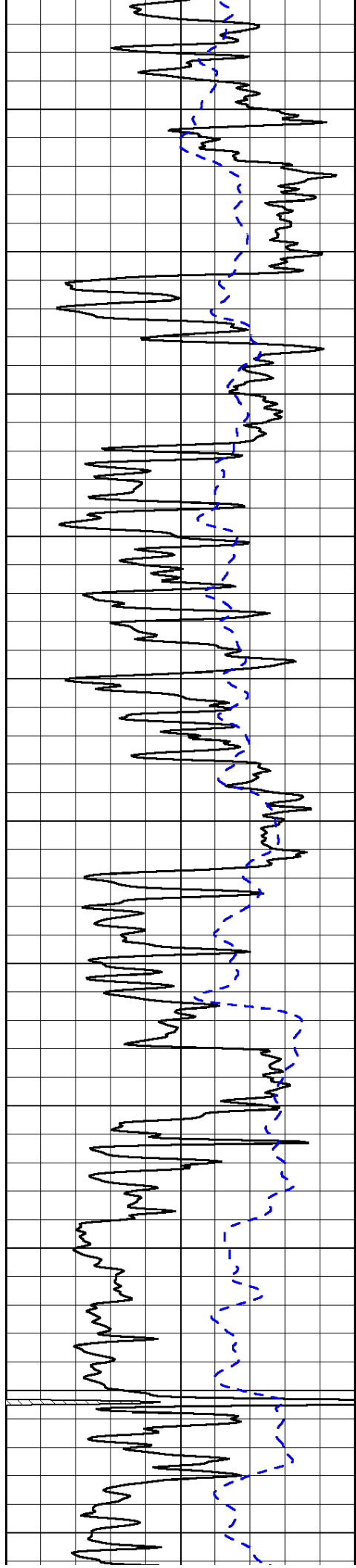
50	Shallow Resistivity	500
50	Deep Resistivity	500

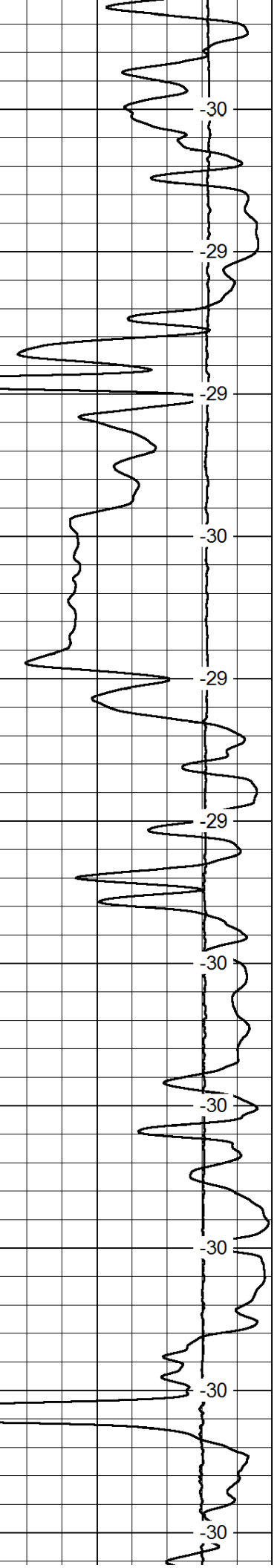
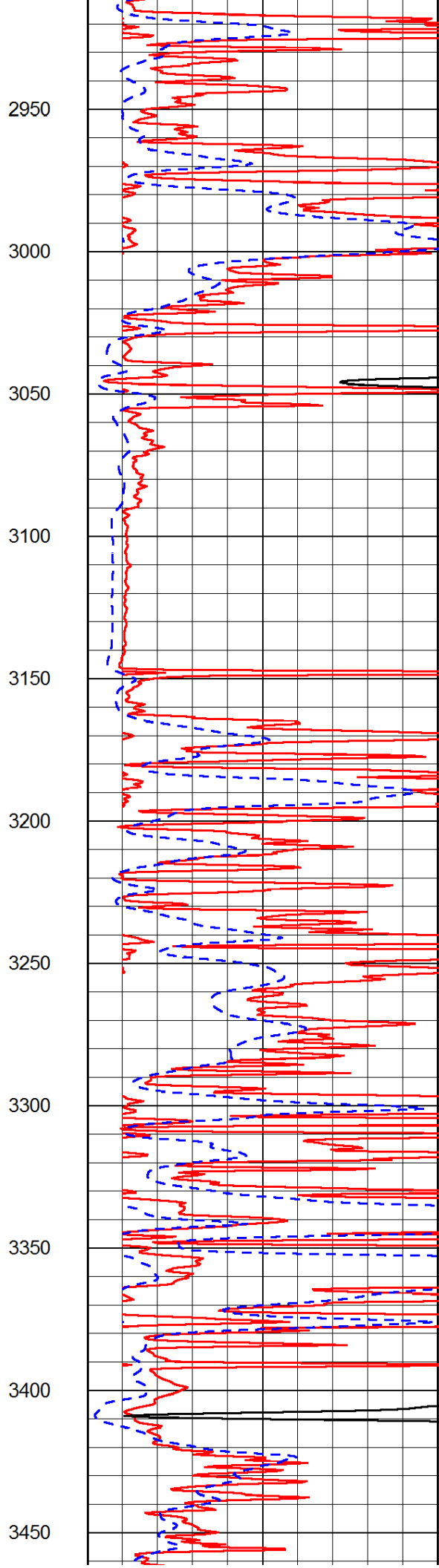
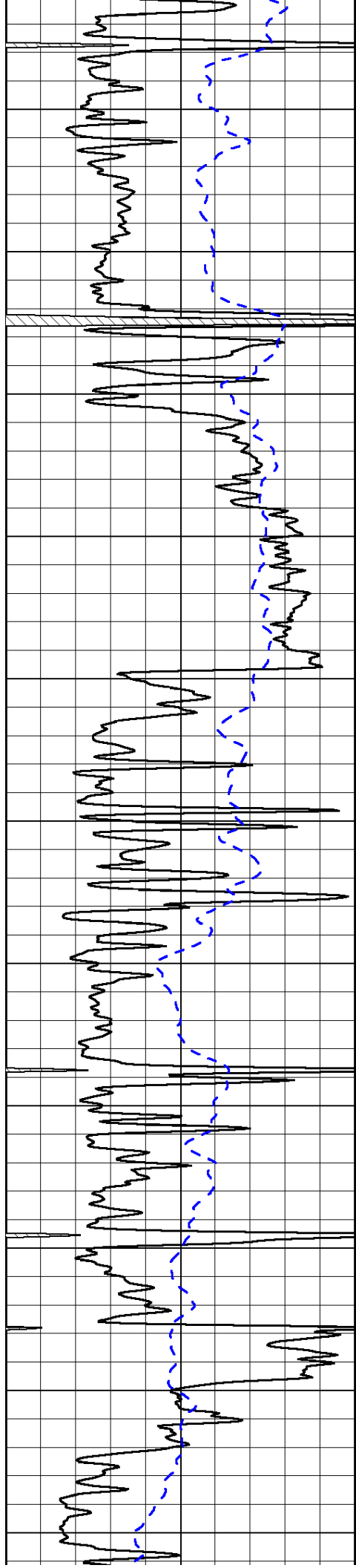


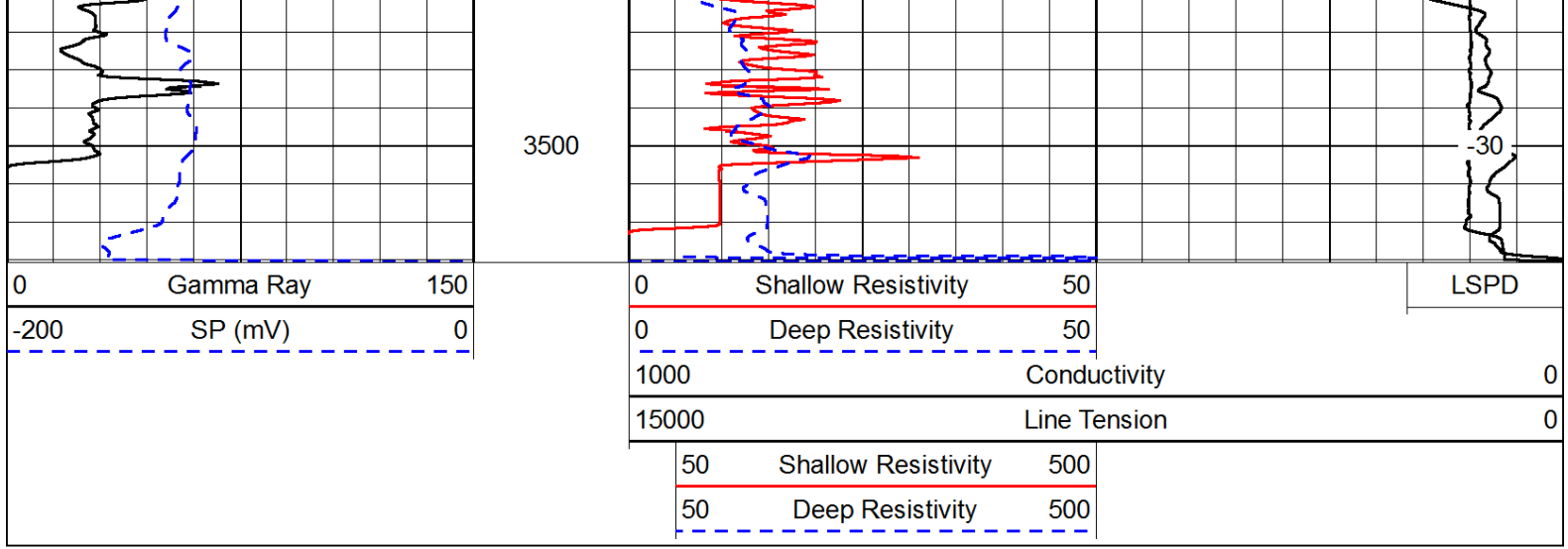




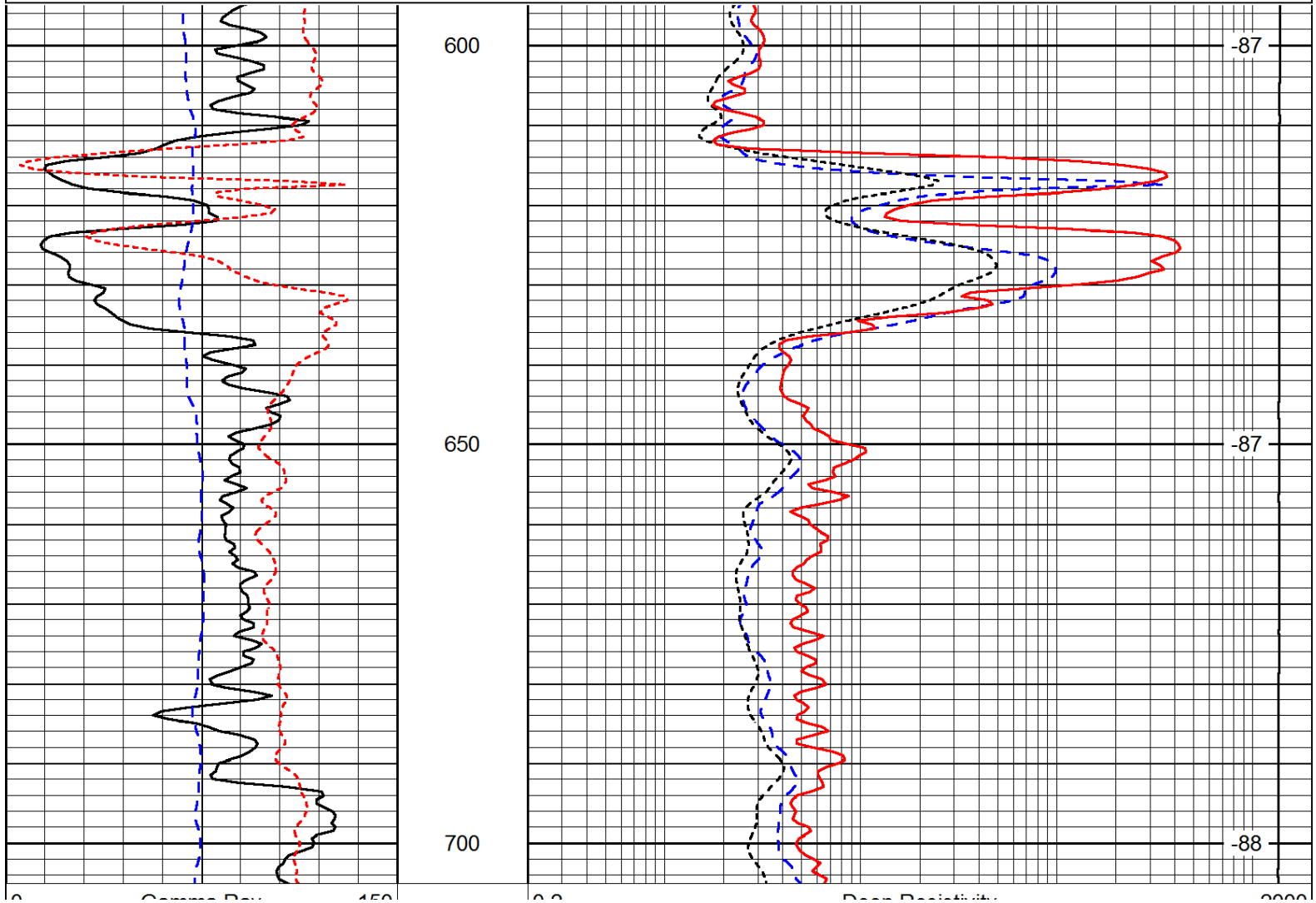
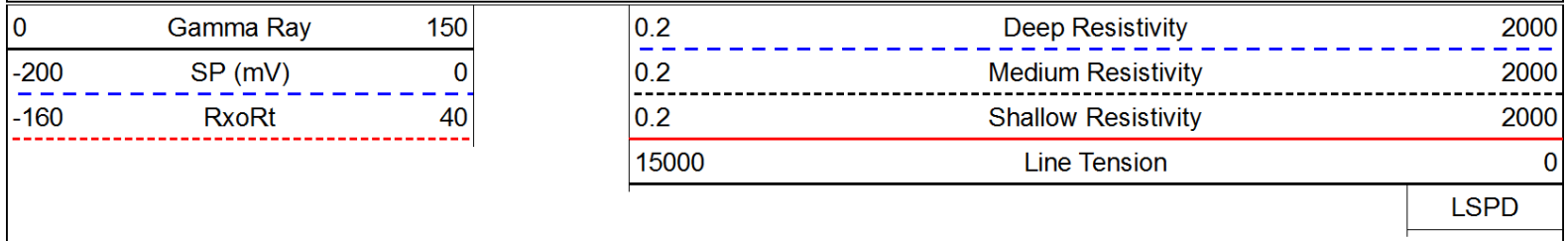








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 Presentation Format: dil
 Dataset Creation: Sun Aug 10 06:22:18 2014
 Charted by: Depth in Feet scaled 1:240



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

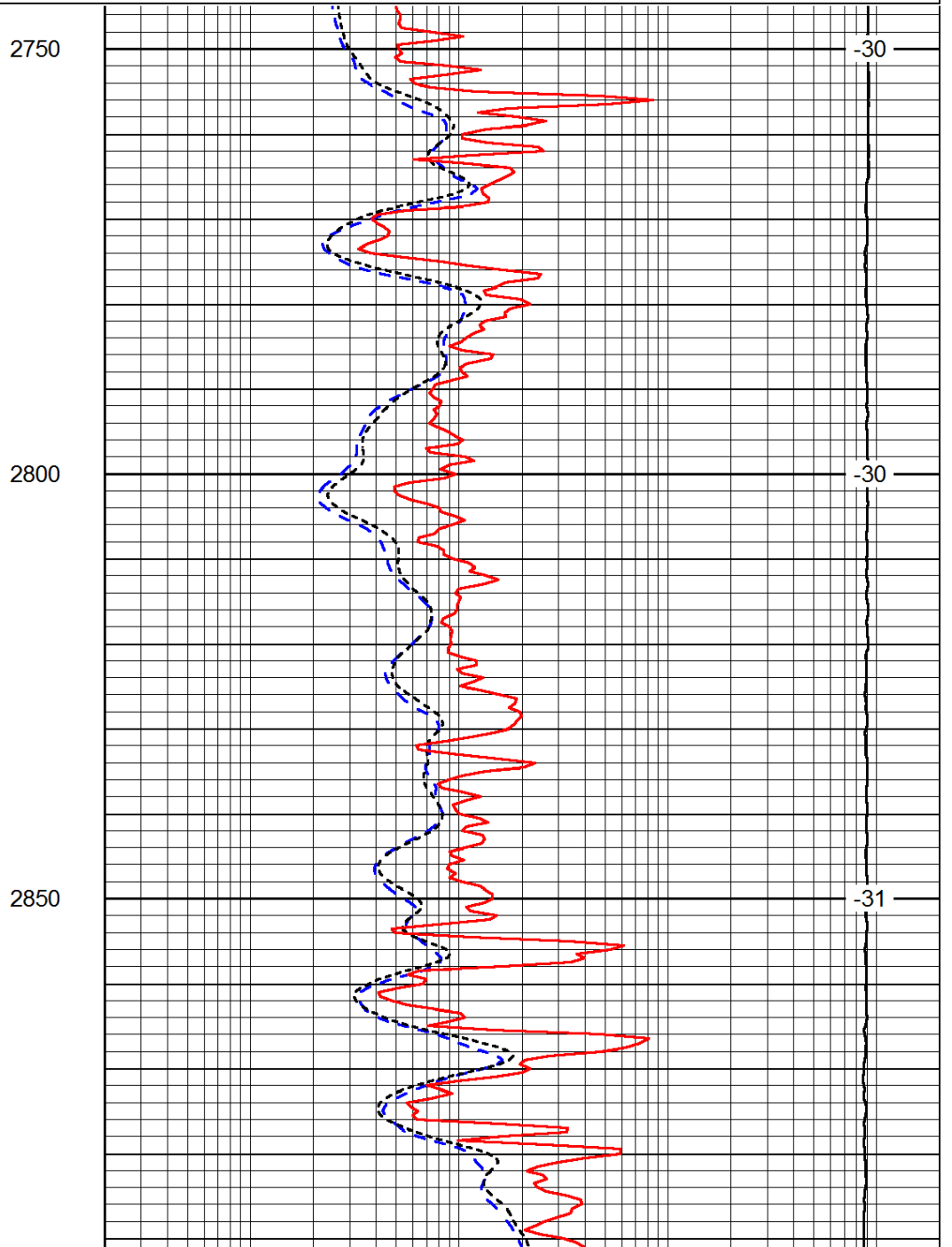
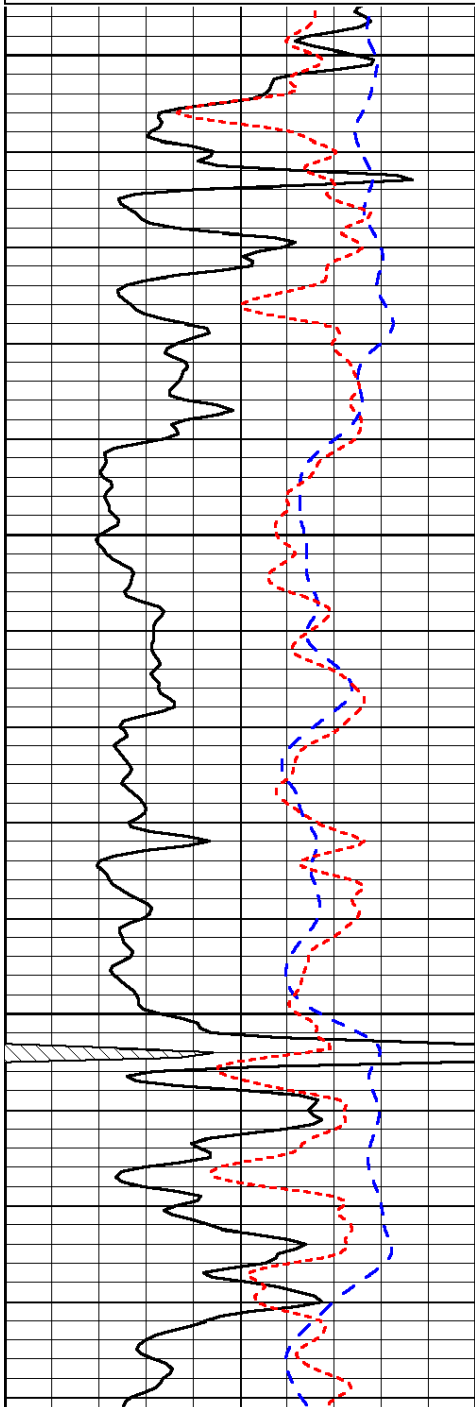
LSPD

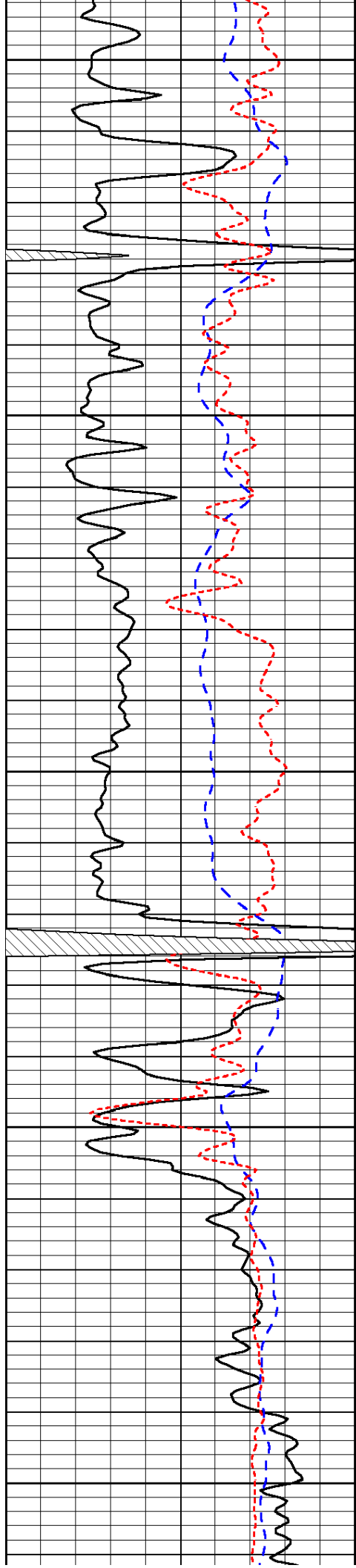
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 Dataset Pathname: dil/zustck
 Presentation Format: dil
 Dataset Creation: Sun Aug 10 06:22:18 2014
 Charted by: Depth in Feet scaled 1:240

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





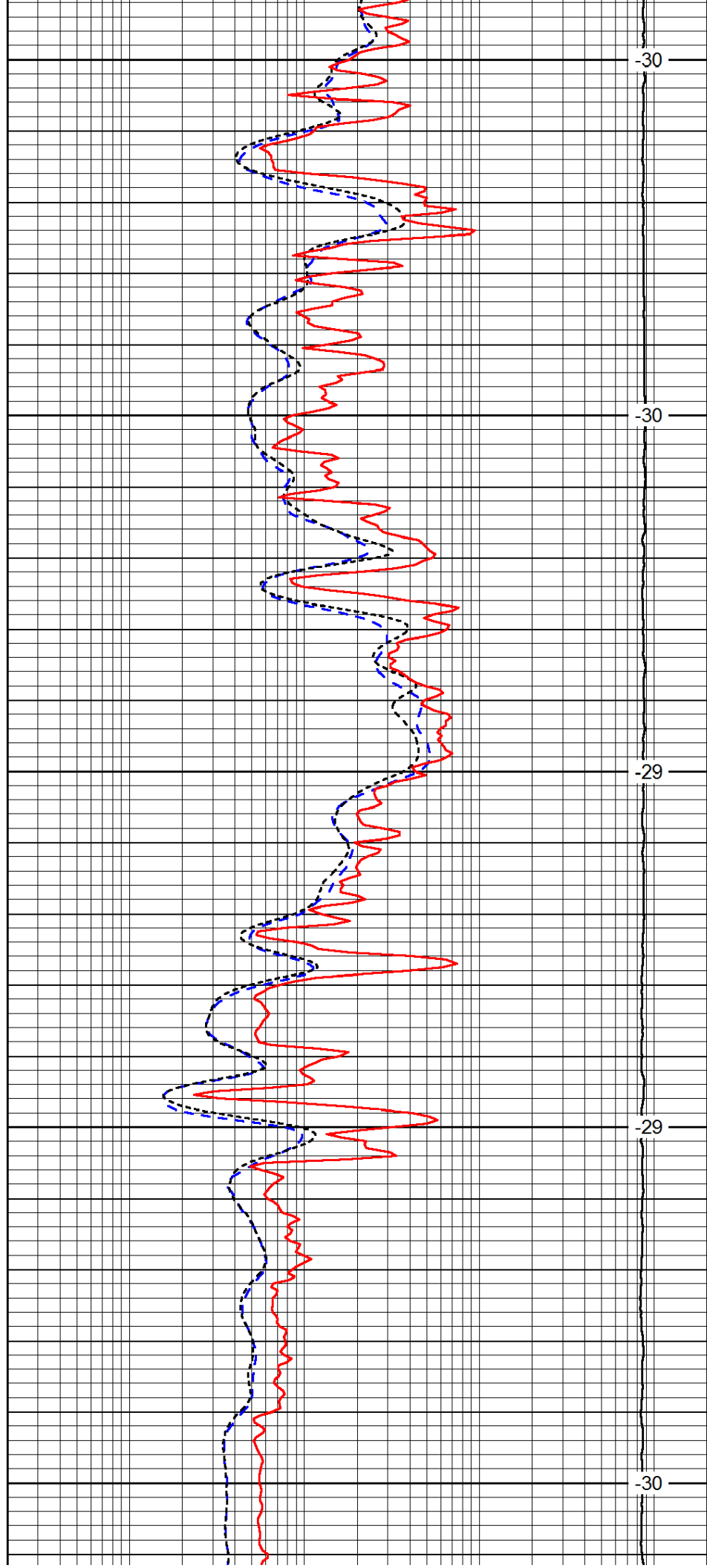
2900

2950

3000

3050

3100



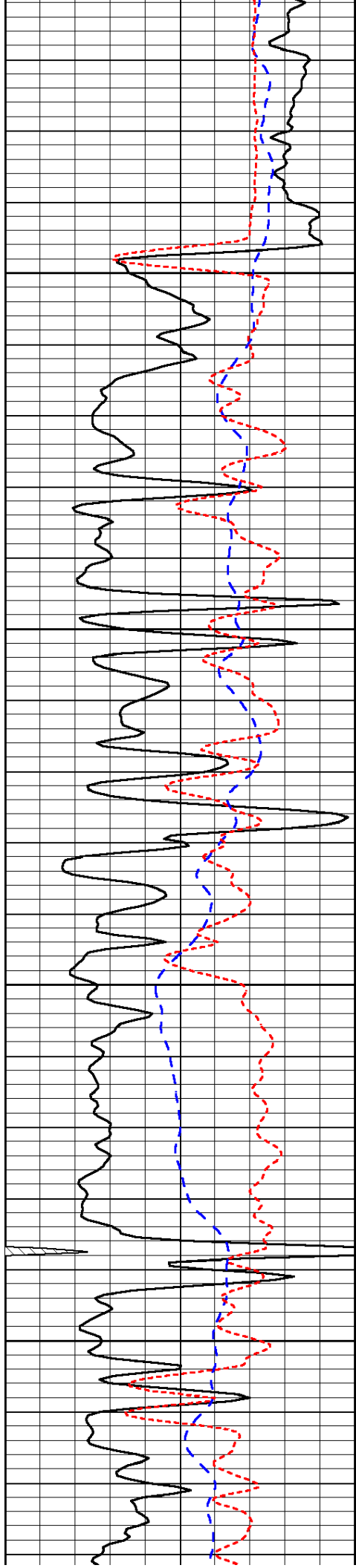
-30

-30

-29

-29

-30

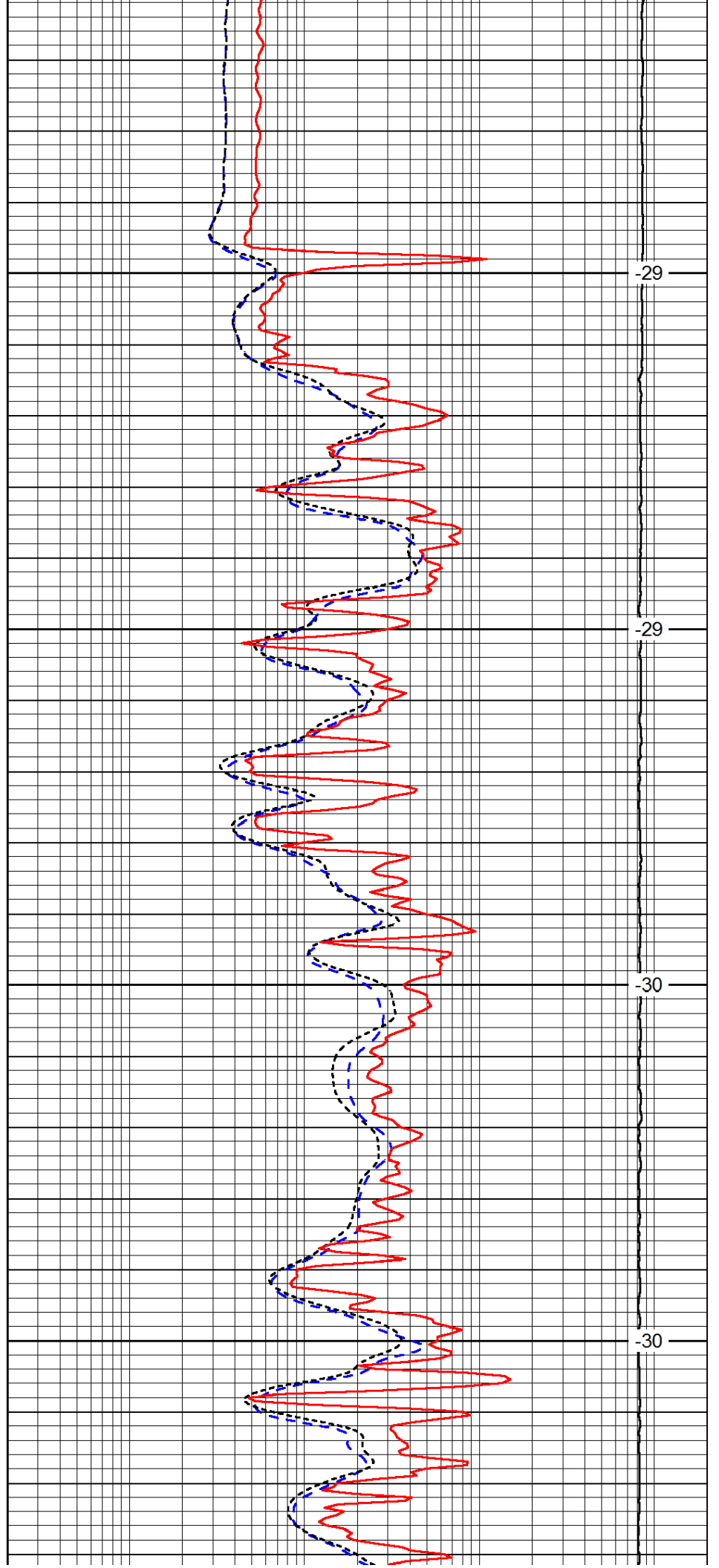


3150

3200

3250

3300

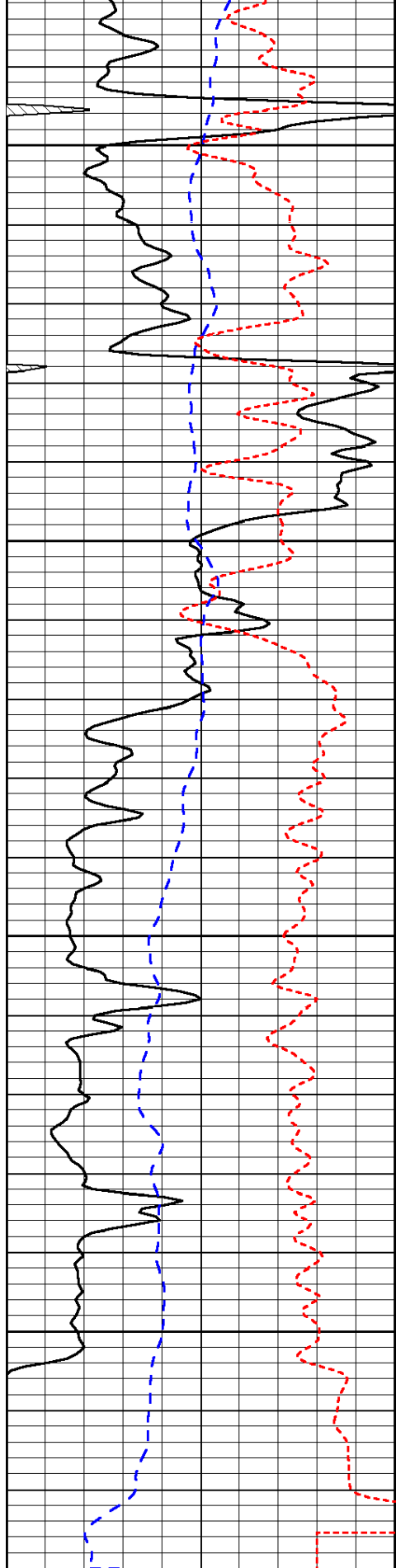


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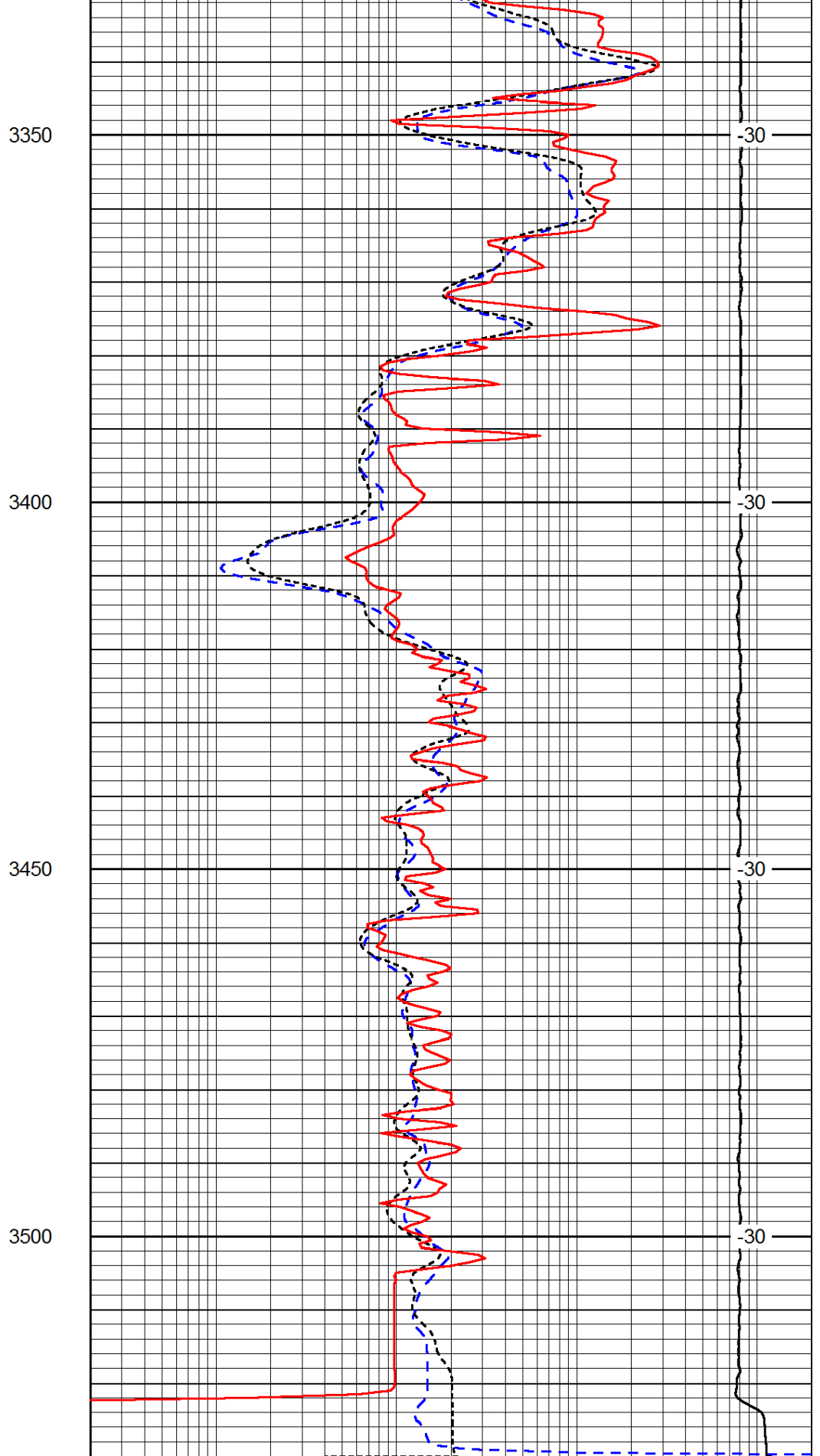
-29

-30

-30



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-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

	LSPU
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Pioneer Energy Services

Microresistivity Log

15-009-25,996-00-00

API No.

Company **ZU, LLC**

Well **Gould # 1**

Field **Chase-Silica**

County **Barton** State

Kansas

Location **1,980' FNL & 330' FEL**

Sec: **28** Twp: **20S** Rge: **12W**

Other Services
CNL/CDL
DIL

Permanent Datum **Ground Level** Elevation **1830**

Log Measured From **Kelly Bushing** 7 Ft. Above Perm. Datum

Elevation
K.B. 1837
D.F.
G.L. 1830

Drilling Measured From **Kelly Bushing**

Date **8/10/2014**

Run Number **Two**

Depth Driller **3530**

Depth Logger **3522**

Bottom Logged Interval **3521**

Top Log Interval **2750**

Casing Driller **8.625 @ 254**

Casing Logger **259**

Bit Size **6.750**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **10500**

Density / Viscosity **9.1 40**

pH / Fluid Loss **9.0 16.0**

Source of Sample **Flowline**

Rm @ Meas. Temp **.28 @ 76**

Rmf @ Meas. Temp **.21 @ 76**

Rmc @ Meas. Temp **.38 @ 76**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.19 @ 111**

Operating Rig Time **4 Hours**

Max Rec. Temp. F **111**

Equipment Number **108**

Location **Hays**

Recorded By **J. Long**

Witnessed By **Greg Whitehair**

<<< 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

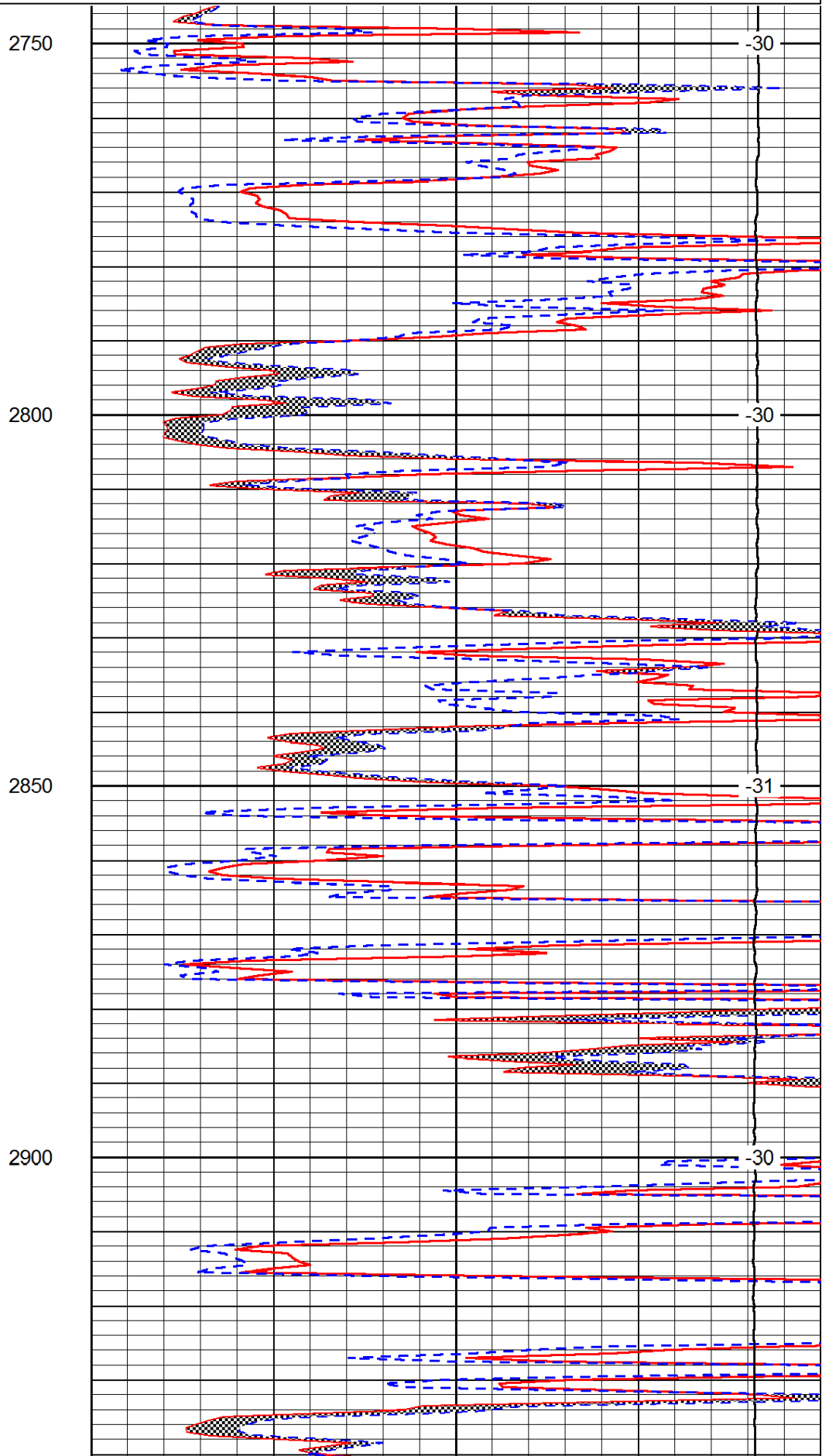
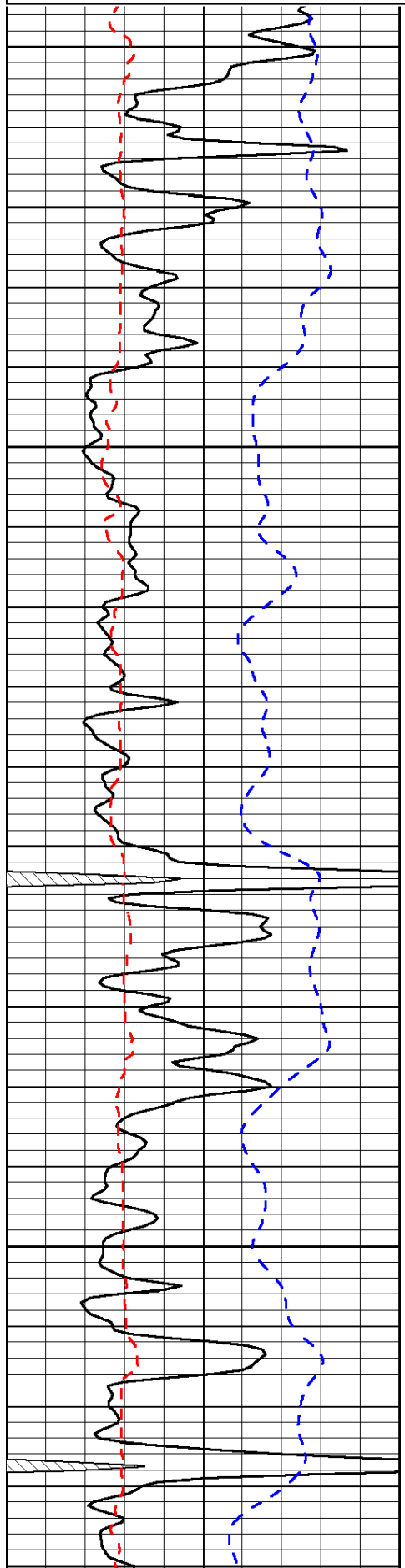
Great Bend, South to 5 Mile Blacktop (Road 50), East to Road 70, 1/2 South, West Into

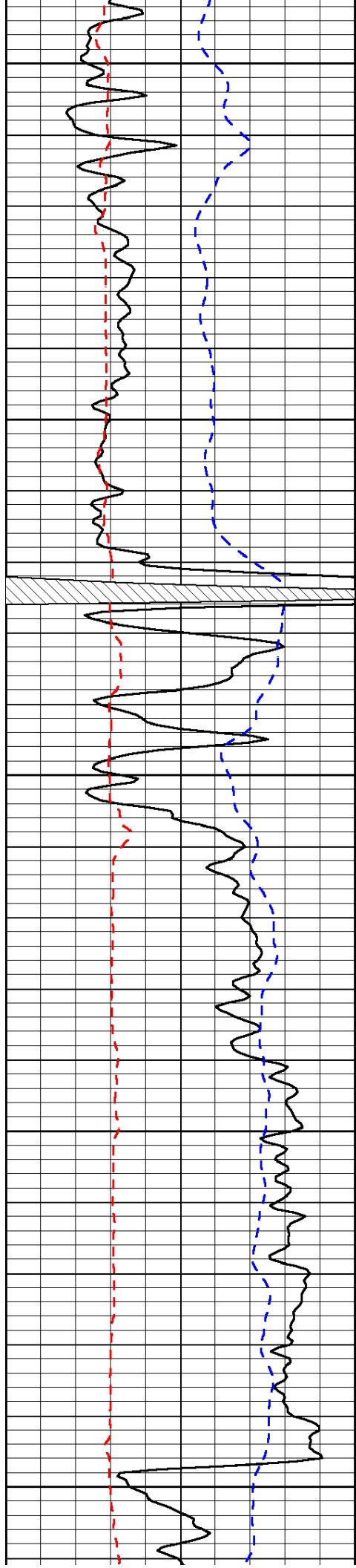
Database File: c:\warrior\data\zu, llc_gould # 1\zu_gould_1hd.db
Dataset Pathname: dil/zustck
Presentation Format: micro
Dataset Creation: Sun Aug 10 06:22:18 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
4	Micro Log Caliper (GAPI)	14
-200	SP (mV)	0

0	Micro Inverse 1 X 1	40
0	Micro Normal 2"	40
15000	Line Weight	0

LSPD





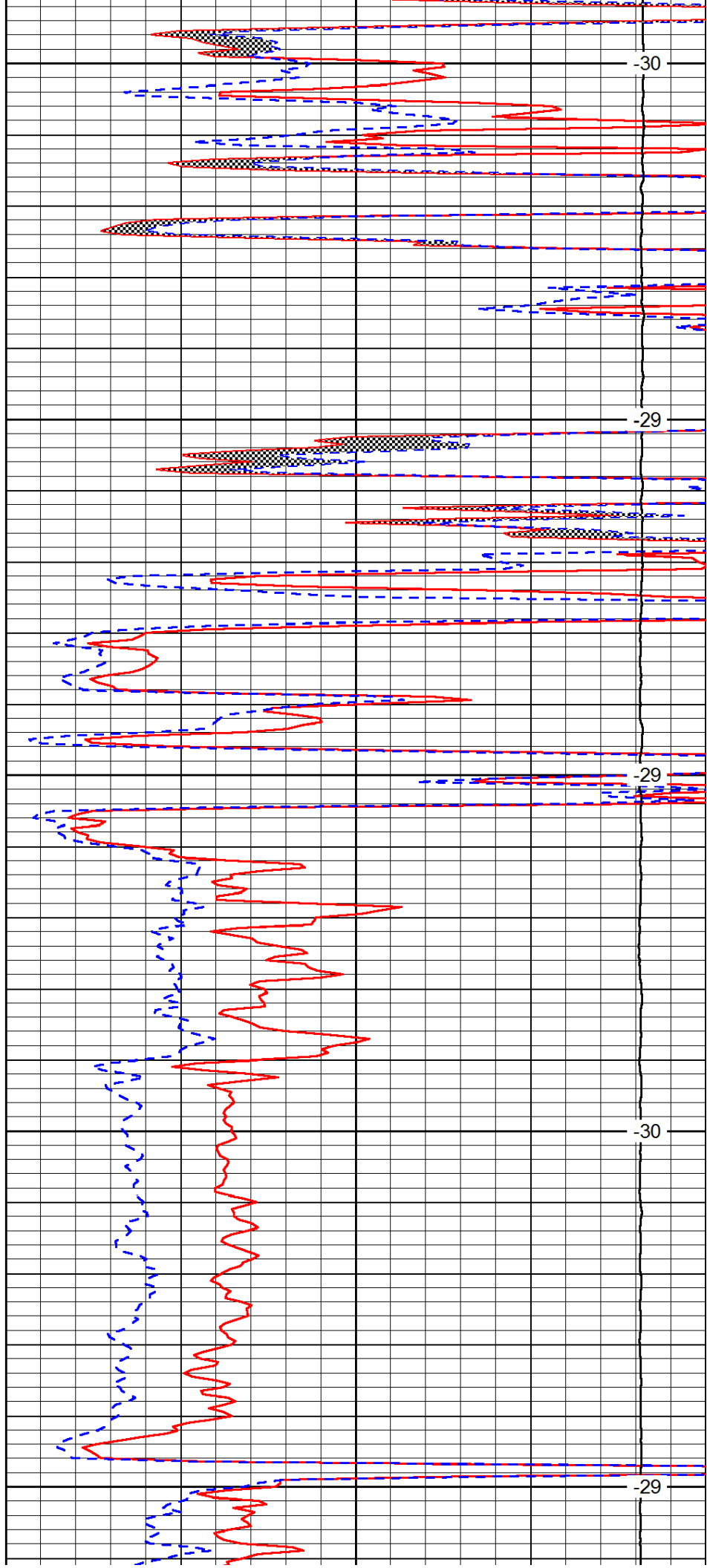
2950

3000

3050

3100

3150



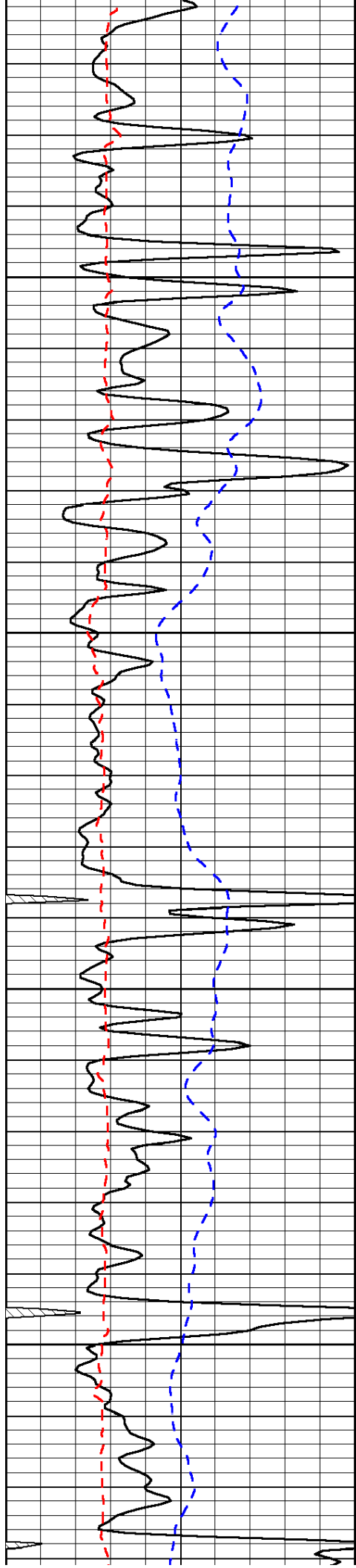
-30

-29

-29

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-29

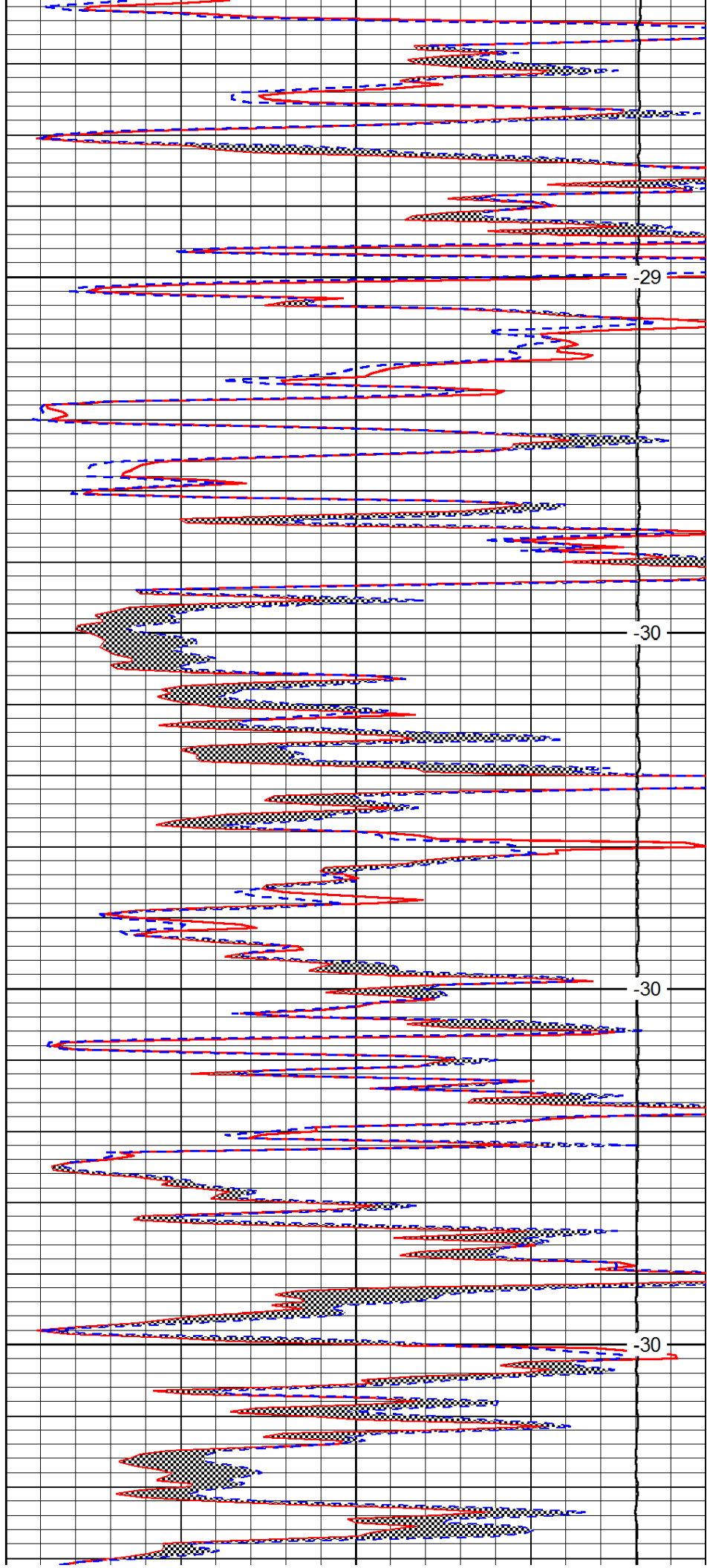


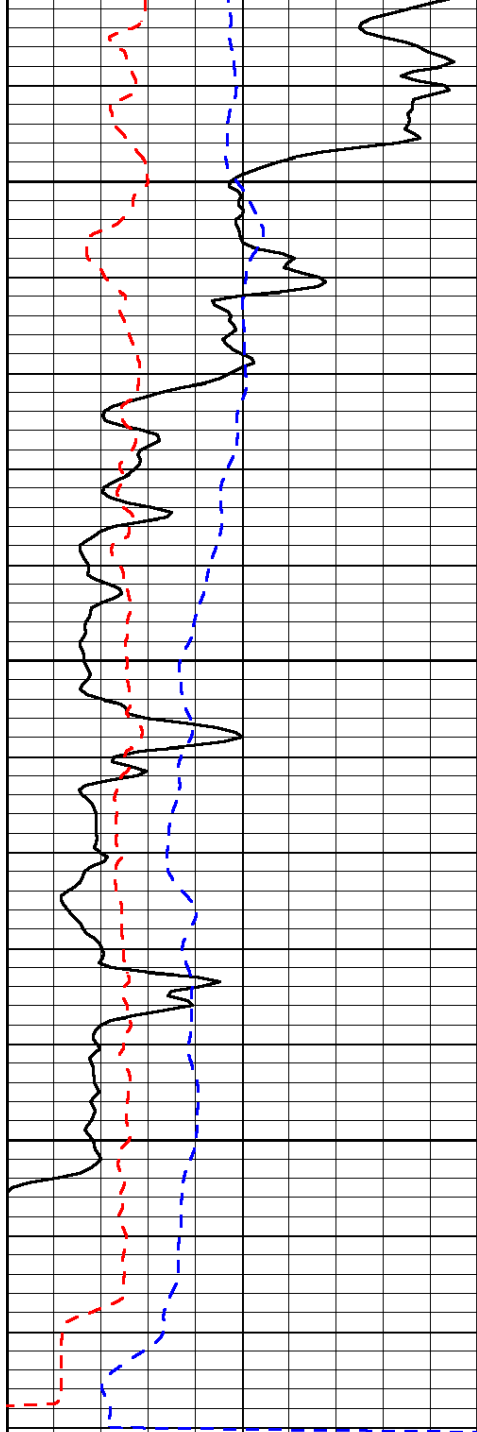
3200

3250

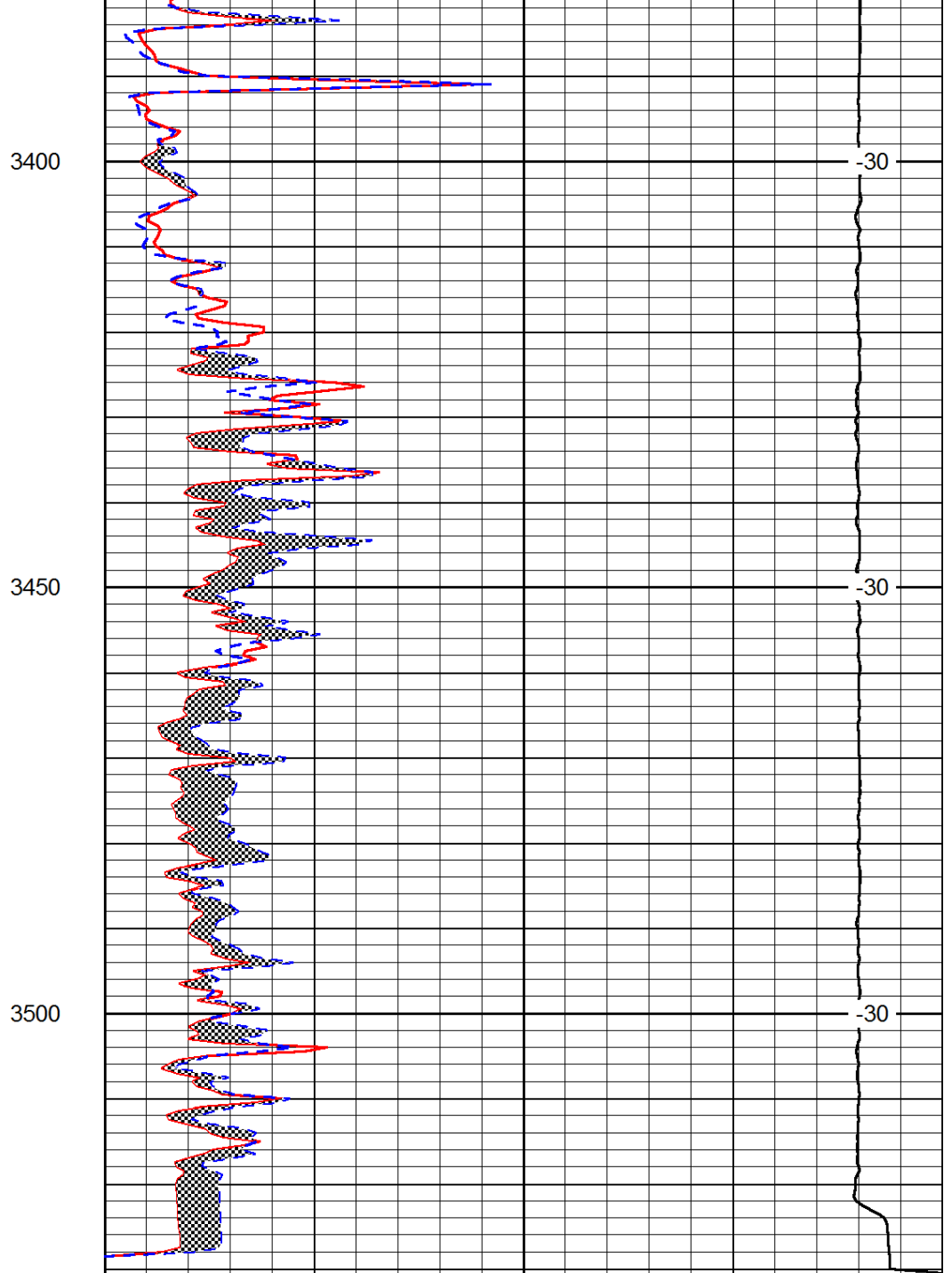
3300

3350





0	Gamma Ray	150
4	Micro Log Caliper (GAPI)	14
-200	SP (mV)	0



0	Micro Inverse 1 X 1	40
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15000	Line Weight	0

LSPD

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513



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

December 10, 2014

GREG WHITEHAIR
ZU, LLC
108 W 34TH
HAYS, KS 67601-1629

Re: ACO-1
API 15-009-25996-00-00
GOULD 1
NE/4 Sec.28-20S-12W
Barton County, Kansas

Dear GREG WHITEHAIR:

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 06/20/2014 and the ACO-1 was received on December 09, 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

GLOBAL CEMENTING, L.L.C.

1405

MIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-30-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>7:45am</u>	JOB FINISH <u>8:15pm</u>
LEASE <u>Gold</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Precision Drilling

TYPE OF JOB Surface

HOLE SIZE 12 1/4 I.D. 267

CASING SIZE 8 5/8 DEPTH 264

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX 300PSI MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 205+

PERFS

DISPLACEMENT 15 1/2 bbl

EQUIPMENT

PUMP TRUCK CEMENTER Heath

P1 HELPER Brad

BULK TRUCK

P1 DRIVER Mark

BULK TRUCK

DRIVER

OWNER

CEMENT AMOUNT ORDERED 2005 x cum 3 1/2 bbl

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

REMARKS:
Run 6 hrs of 8 5/8 casing and landing + est circulation
Hook up and mix 2005 and disp 15 1/2 bbl - shut in @ 300PSI
Cement Dis. Circulate

CHARGE TO: ZU LLC

STREET

CITY STATE ZIP

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE 13 x 2 @

MANIFOLD @

TOTAL

Global Cementing, 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 Disc. Runyon

SIGNATURE [Signature]

PLUG & FLOAT EQUIPMENT

@

@

@

@

@

TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT IF PAID IN 30 DAYS

GLOBAL CEMENTING, L.L.C.

1419

REMIT TO 18048 170RD
RUSSELL, KS 67665

SERVICE POINT: Russell, KS

DATE <u>3-11-14</u>	SEC.	TWP.	RANGE	CALLED OUT	ON LOCATION	JOB START <u>1:45pm</u>	JOB FINISH <u>2:45pm</u>
LEASE <u>Gould</u>	WELL #. <u>1</u>	LOCATION			COUNTY <u>Barton</u>	STATE <u>KS</u>	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR Precision Drilling

TYPE OF JOB Coring

HOLE SIZE	T.D.
CASING SIZE <u>4 1/2</u>	DEPTH <u>35 30</u>
TUBING SIZE	DEPTH
DRILL PIPE	DEPTH <u>10 3 3/4</u>
TOOL	DEPTH
PRES. MAX <u>1500ps</u>	MINIMUM <u>100ps</u>
MEAS. LINE	SHOE JOINT
CEMENT LEFT IN CSG. <u>40#</u>	
PERFS	
DISPLACEMENT <u>55 bbl</u>	

EQUIPMENT

PUMP TRUCK	CEMENTER <u>Heath</u>
# <u>P1</u>	HELPER <u>Brad</u>
BULK TRUCK	
# <u>B1</u>	DRIVER <u>Eric</u>
BULK TRUCK	
#	DRIVER

OWNER

CEMENT AMOUNT ORDERED 175# com 10% salt
2 bags of 2 1/2 plaster

COMMON	@	
POZMIX	@	
GEL	@	
CHLORIDE	@	
ASC	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
	@	
HANDLING	@	
MILEAGE		
TOTAL		

REMARKS:

Run 30 min @ 4 1/2 in. mud
hook up and pump 500 gal mud flush
- mix 1750# 2nd plug RH = 30 and MH = 15#
wash pump and 1nd clean - chise ss
bbl H2O - lifting pressure @ 750ps.
plug landed @ 1500ps. - released and
held

CHARGE TO: GC LLC

STREET _____

CITY _____ STATE _____ ZIP _____

Global Cementing, 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 _____

SERVICE

DEPTH OF JOB		
PUMP TRUCK CHARGE		
EXTRA FOOTAGE	@	
MILEAGE	@	
MANIFOLD	@	
	@	
	@	
TOTAL		

PLUG & FLOAT EQUIPMENT

<u>1 - 4 1/2 in. 2nd plug</u>	@	<u>weatherford</u>
<u>4 - 4 1/2 in. Cent</u>	@	
<u>1 - 4 1/2 in. basket</u>	@	
<u>1 - 4 1/2 in. Air shoe</u>	@	
<u>500 gal Mud #10</u>	@	
TOTAL		

SALES TAX (If Any) _____

TOTAL CHARGES _____

DISCOUNT _____ IF PAID IN 30 DAYS