



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
- Conv. to GSW
- Plug Back: _____ Plug Back Total Depth _____
- 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

County: _____

Lease Name: _____ Well #: _____

Field Name: _____

Producing Formation: _____

Elevation: Ground: _____ Kelly Bushing: _____

Total 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

- Letter of Confidentiality Received
Date: _____
- Confidential Release Date: _____
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT I II III Approved by: _____ Date: _____



Operator Name: _____ Lease Name: _____ Well #: _____

Sec. _____ Twp. _____ S. R. _____ East West County: _____

INSTRUCTIONS: Show important tops and base 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. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

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 Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i> 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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ Plug Off Zone				

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
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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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Dual Induction Log

DIGITAL LOG (785) 625-3858

API No.

15-051-26,098-00-00

Company **TDI, Inc.**

Well **Baier No.1**

Field

County **Ellis**

State

Kansas

Location **SE NW/NE NW
500' FNL & 1680' FWL**

Sec: **20** Twp: **14S** Rge: **16W**

Permanent Datum **Ground Level** Elevation **1881**

Log Measured From **Kelly Bushing** 10 Ft. Above Perm. Datum

Drilling Measured From **Kelly Bushing**

Other Services
CNL/CDL
MEL

Elevation

K.B. 1891
D.F. 1881
G.L. 1881

Date **4/26/2011**

Run Number **One**

Depth Driller **3540**

Depth Logger **3541**

Bottom Logged Interval **3540**

Top Log Interval **200**

Casing Driller **8.625 @ 235**

Casing Logger **239**

Bit Size **7.875**

Type Fluid in Hole **Chemical**

Salinity, ppm CL **5.200**

Density / Viscosity **9.0 49**

pH / Fluid Loss **10.5 7.8**

Source of Sample **Flowline**

Rm @ Meas. Temp **.65 @ 57**

Rmf @ Meas. Temp **.49 @ 57**

Rmc @ Meas. Temp **.88 @ 57**

Source of Rmf / Rmc **Charts**

Rm @ BHT **.33 @ 113**

Operating Rig Time **3 1/2 Hours**

Max Rec. Temp. F **113**

Equipment Number **17**

Location **Hays**

Recorded By **C. Desaire**

Witnessed By **Herb Deines**

Tom Denning

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Comments

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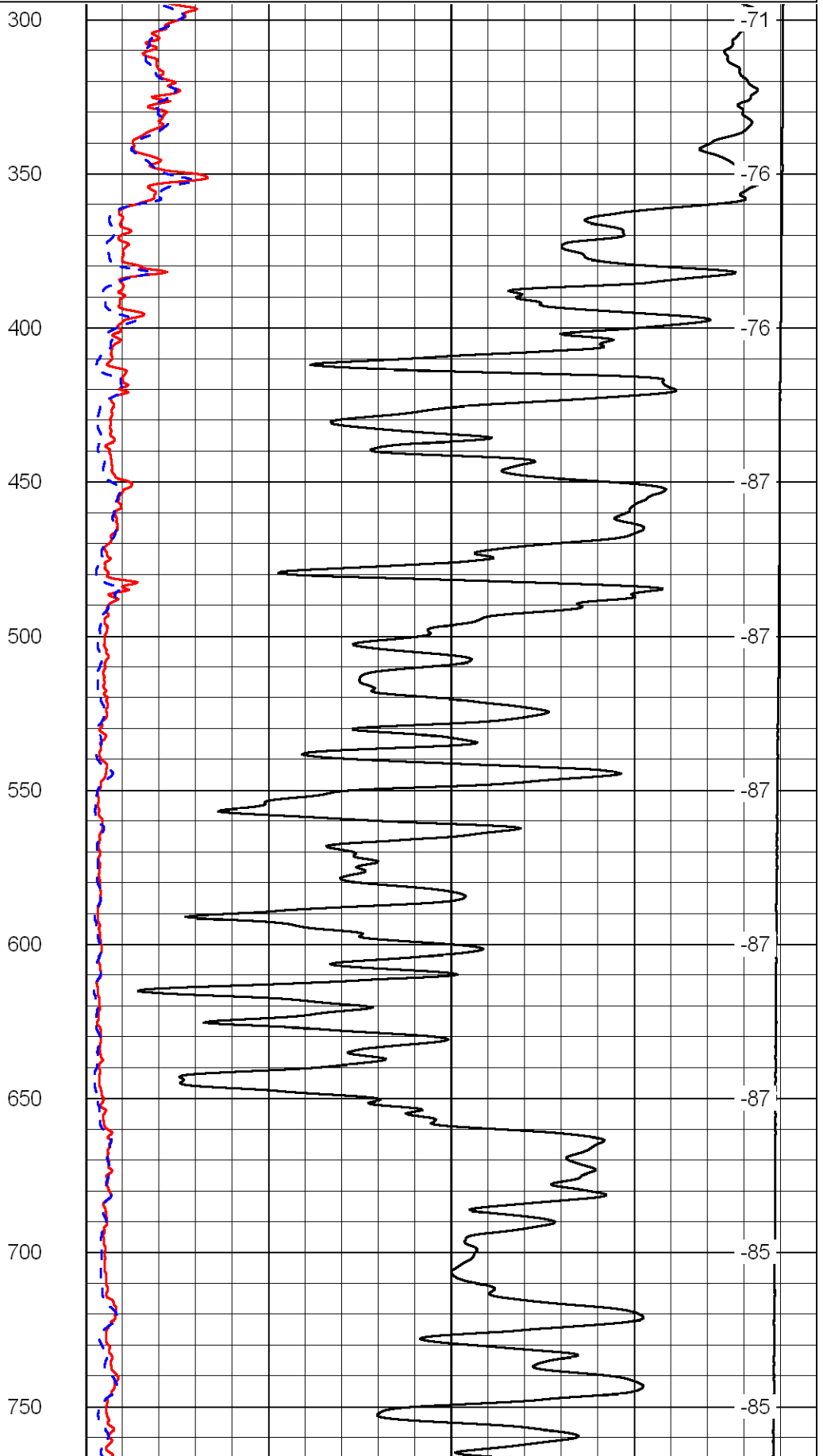
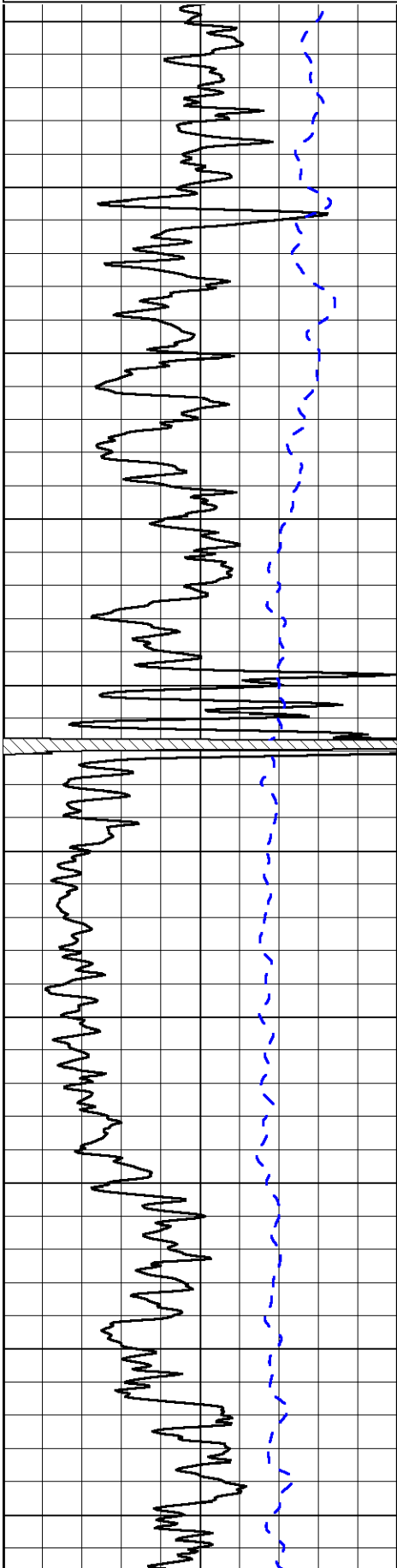
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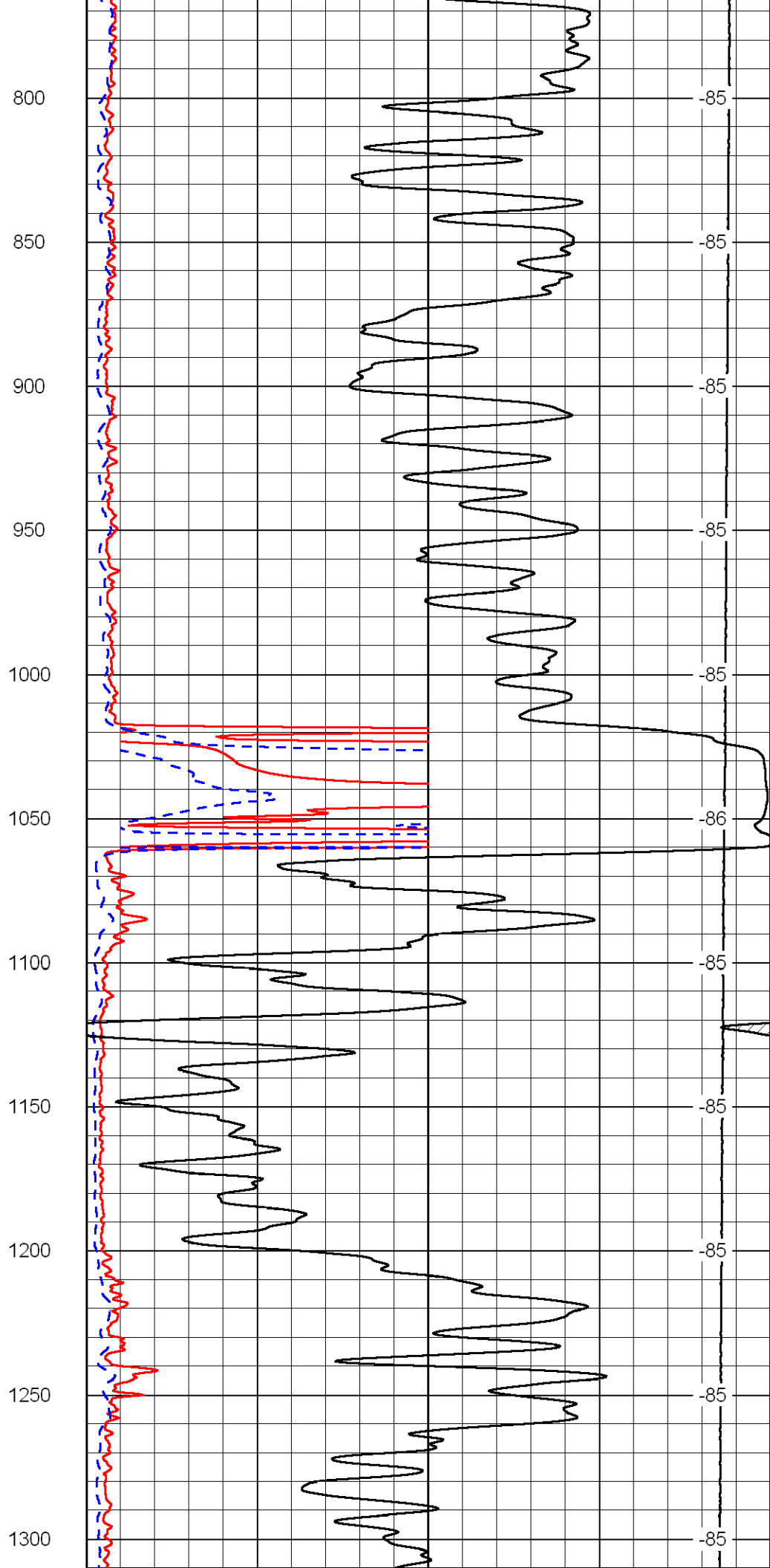
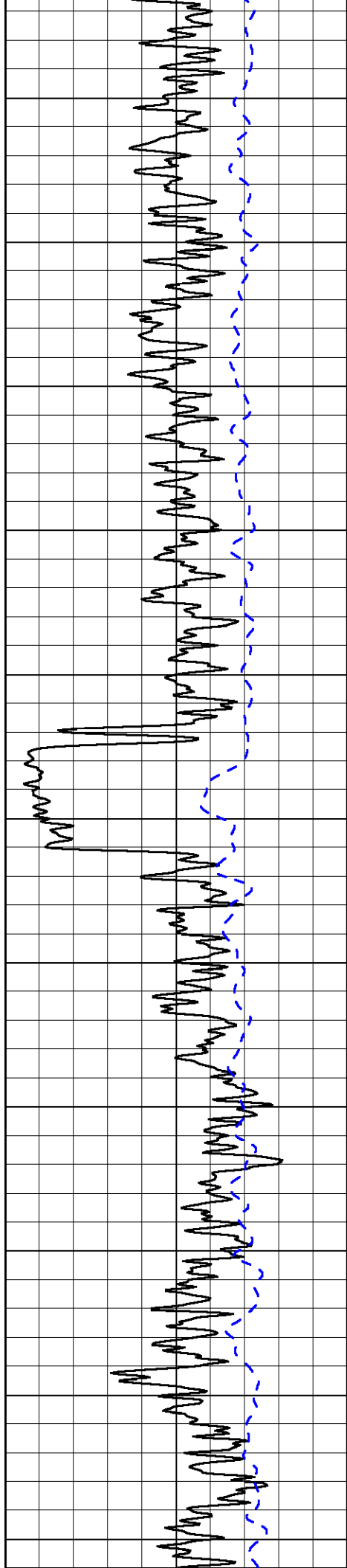
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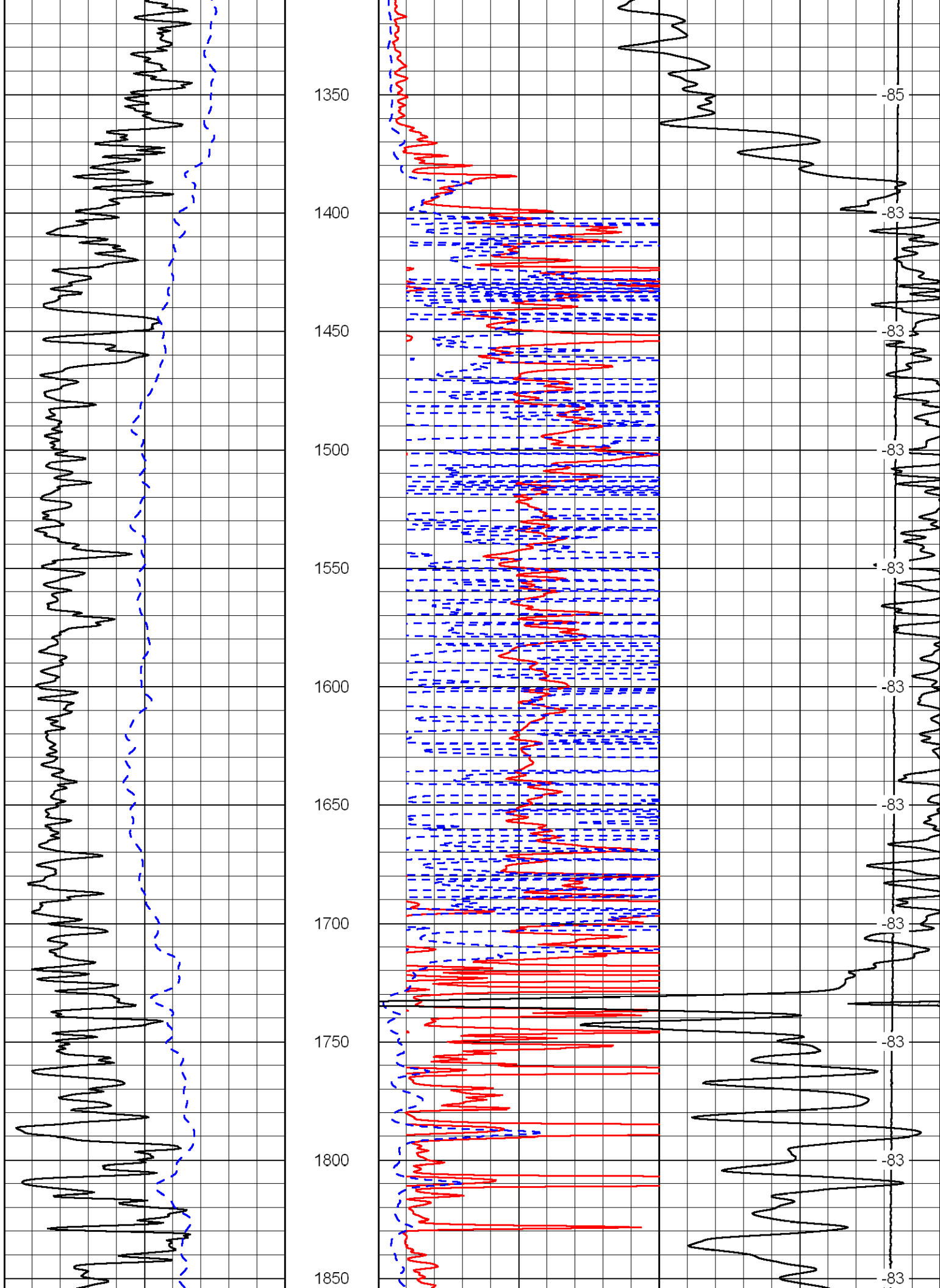
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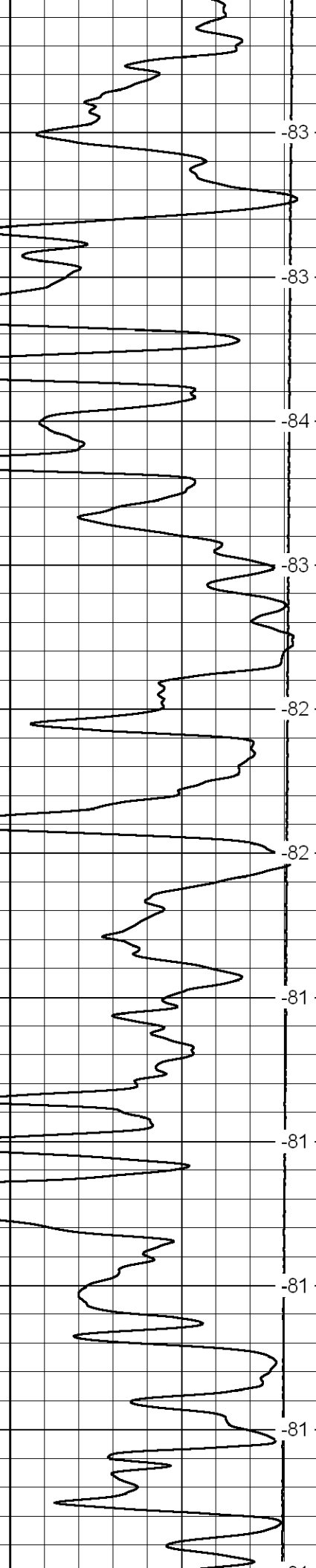
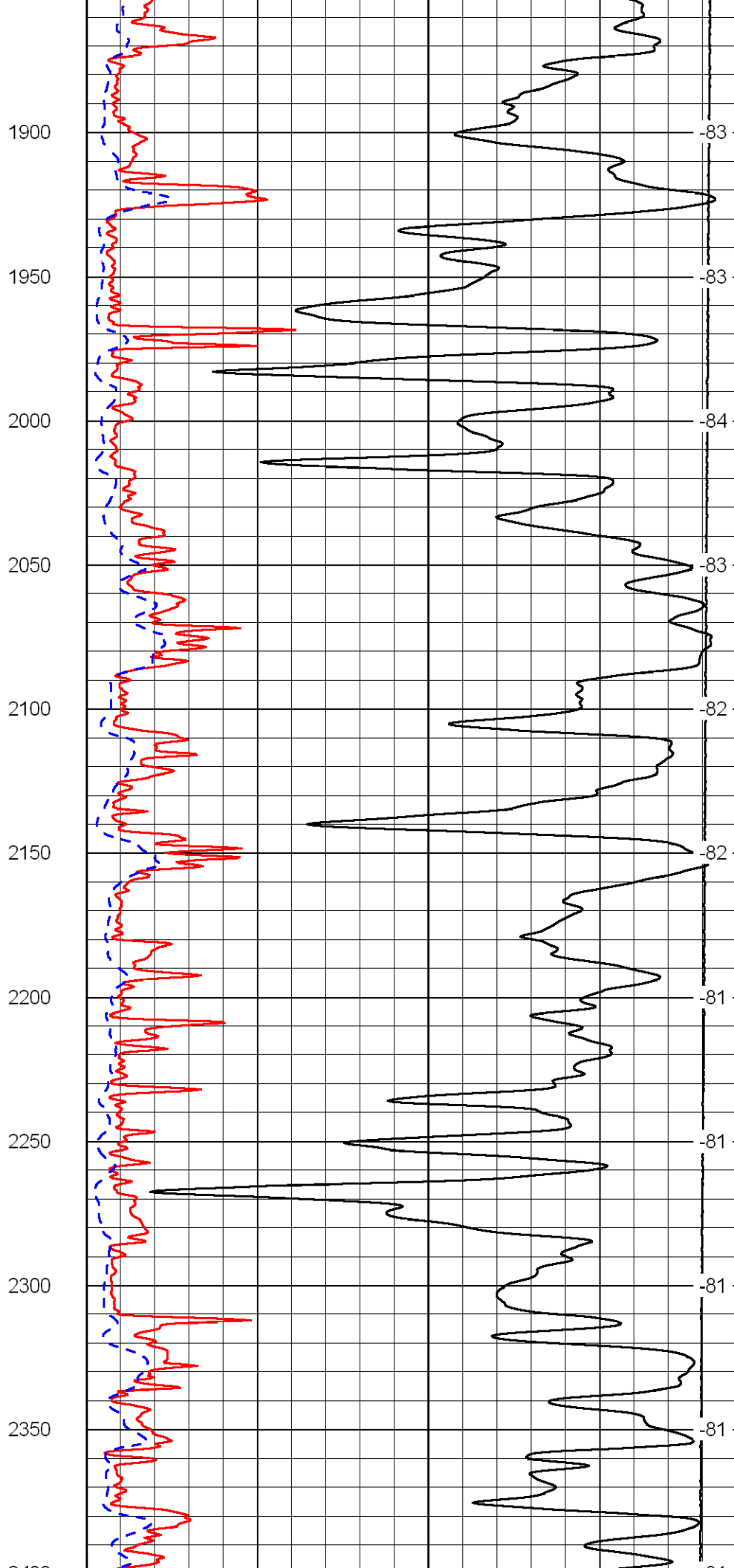
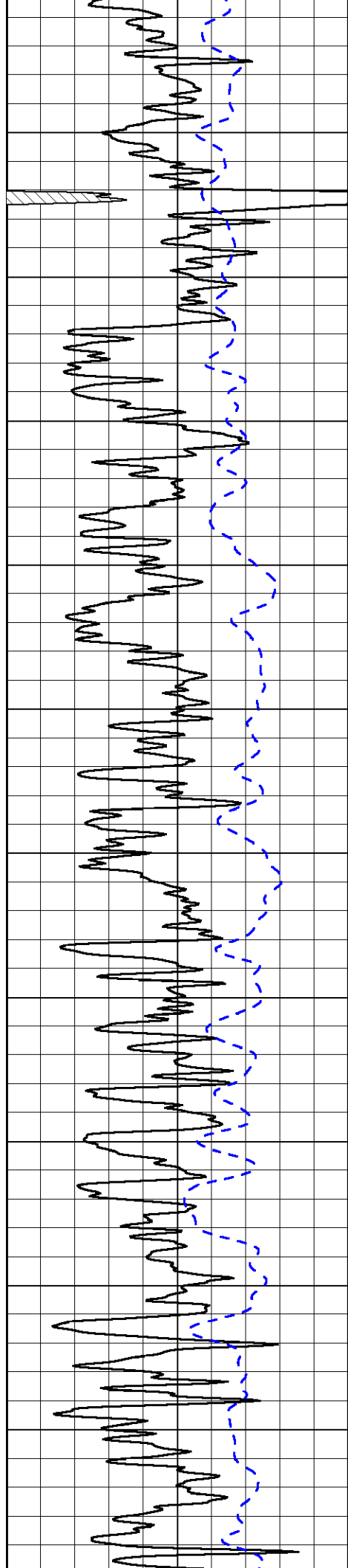
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1000 Conductivity 0
15000 Line Tension 0
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50 Deep Resistivity 500

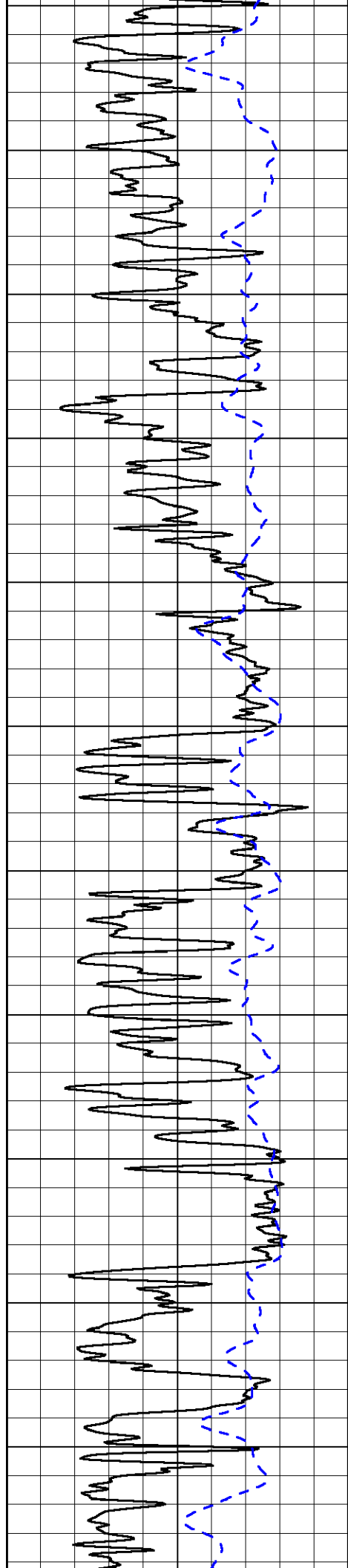
LSPD



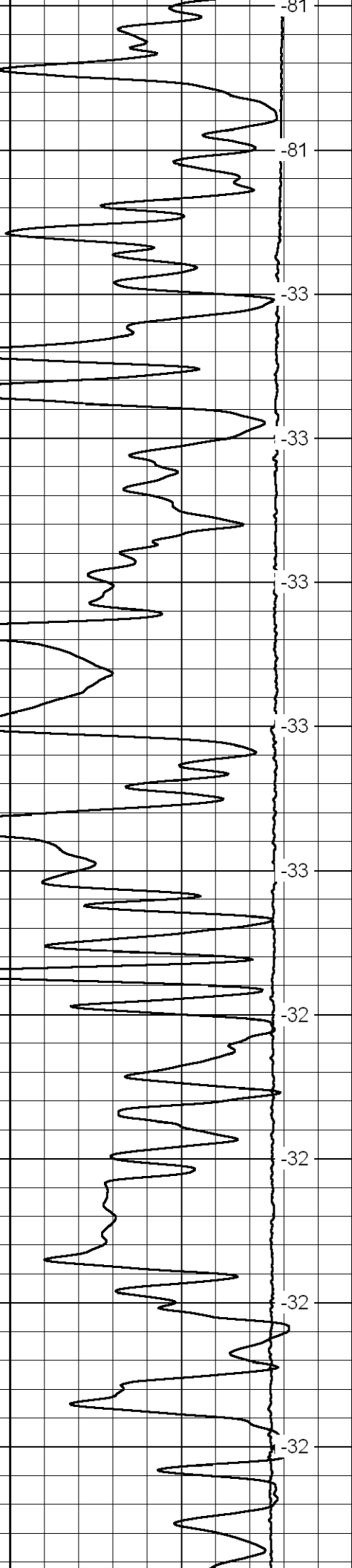




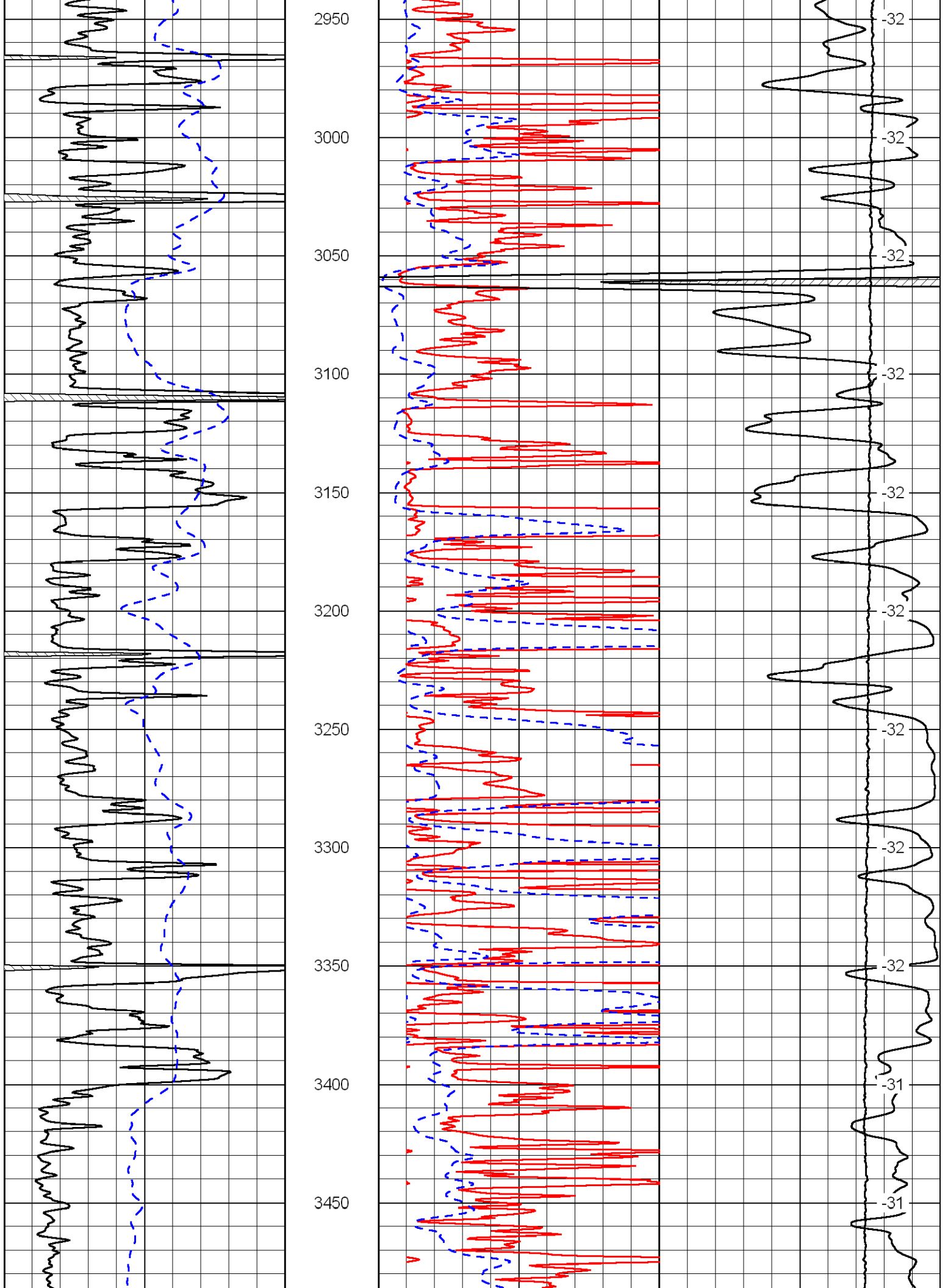


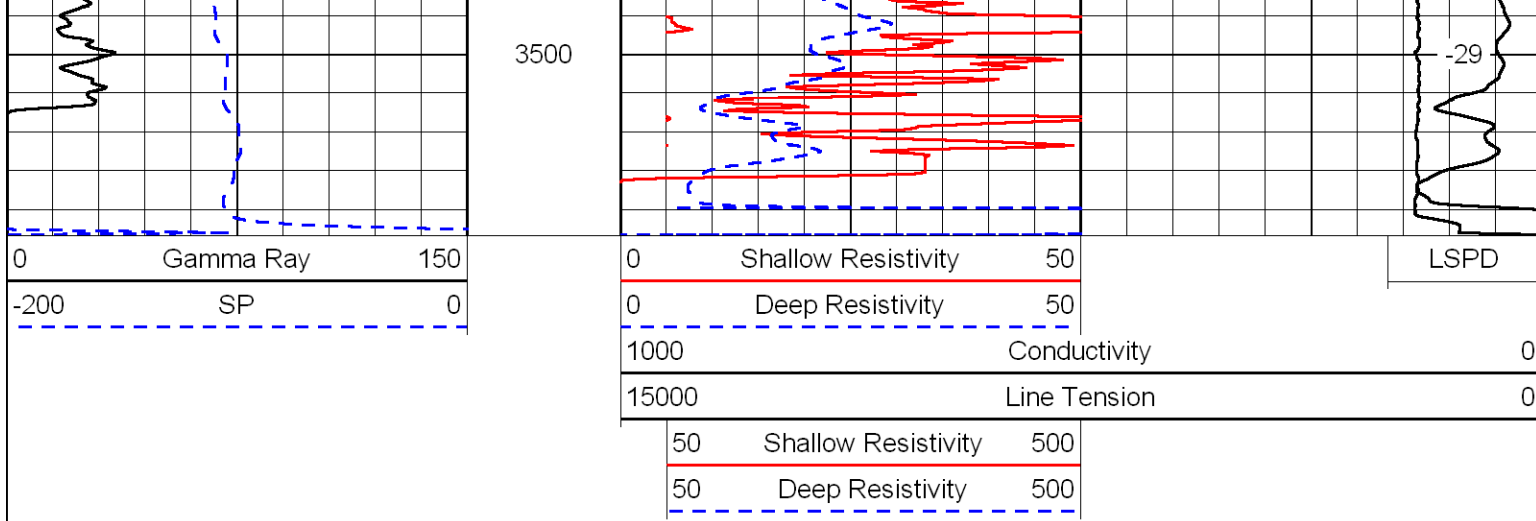


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2500
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2600
2650
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2800
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2900

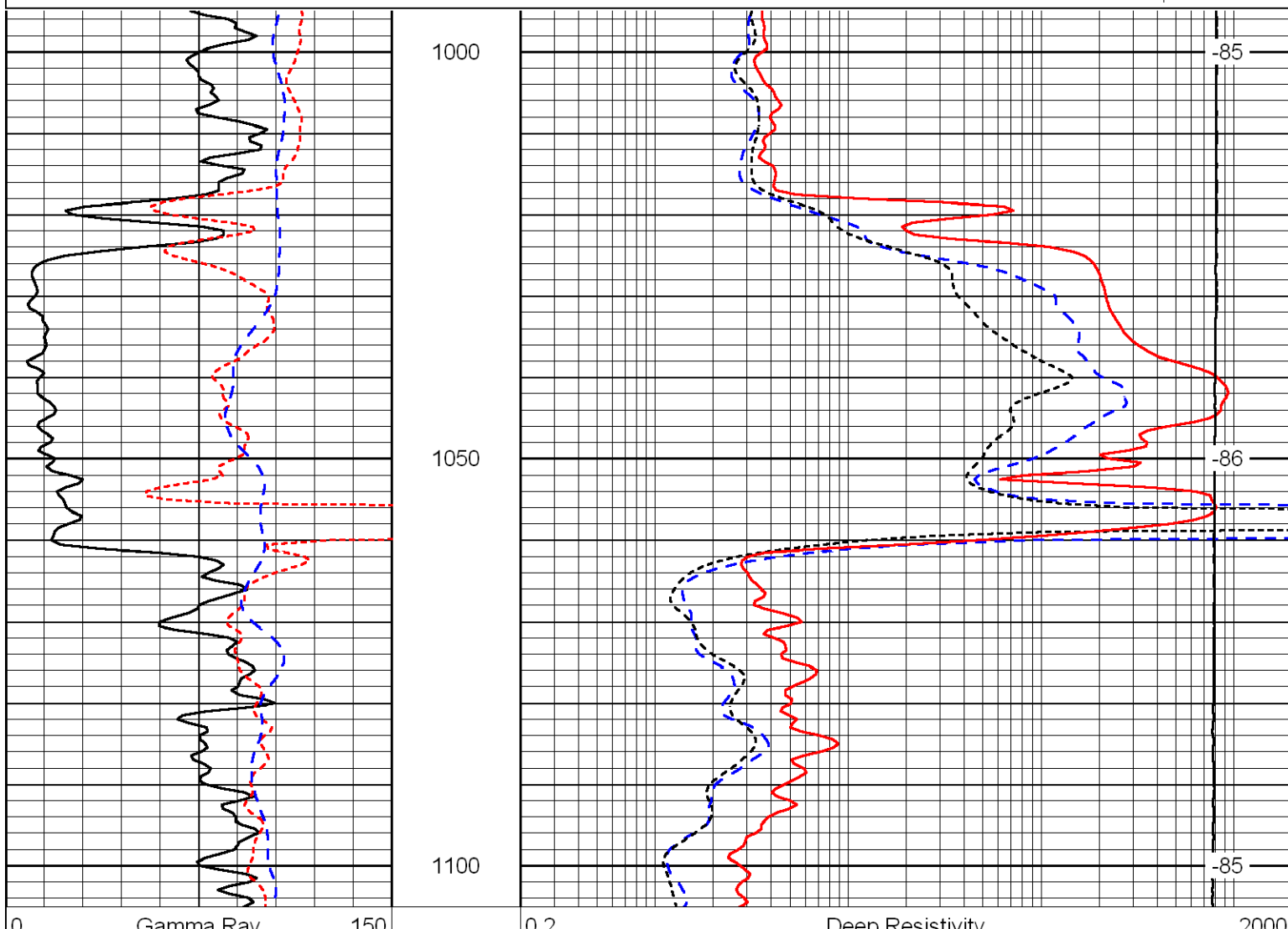
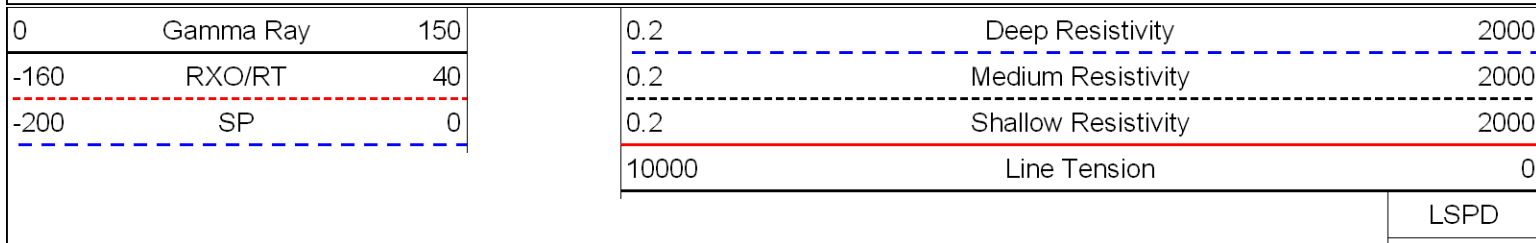


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-160	RXO/RT	40
-200	SP	0

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

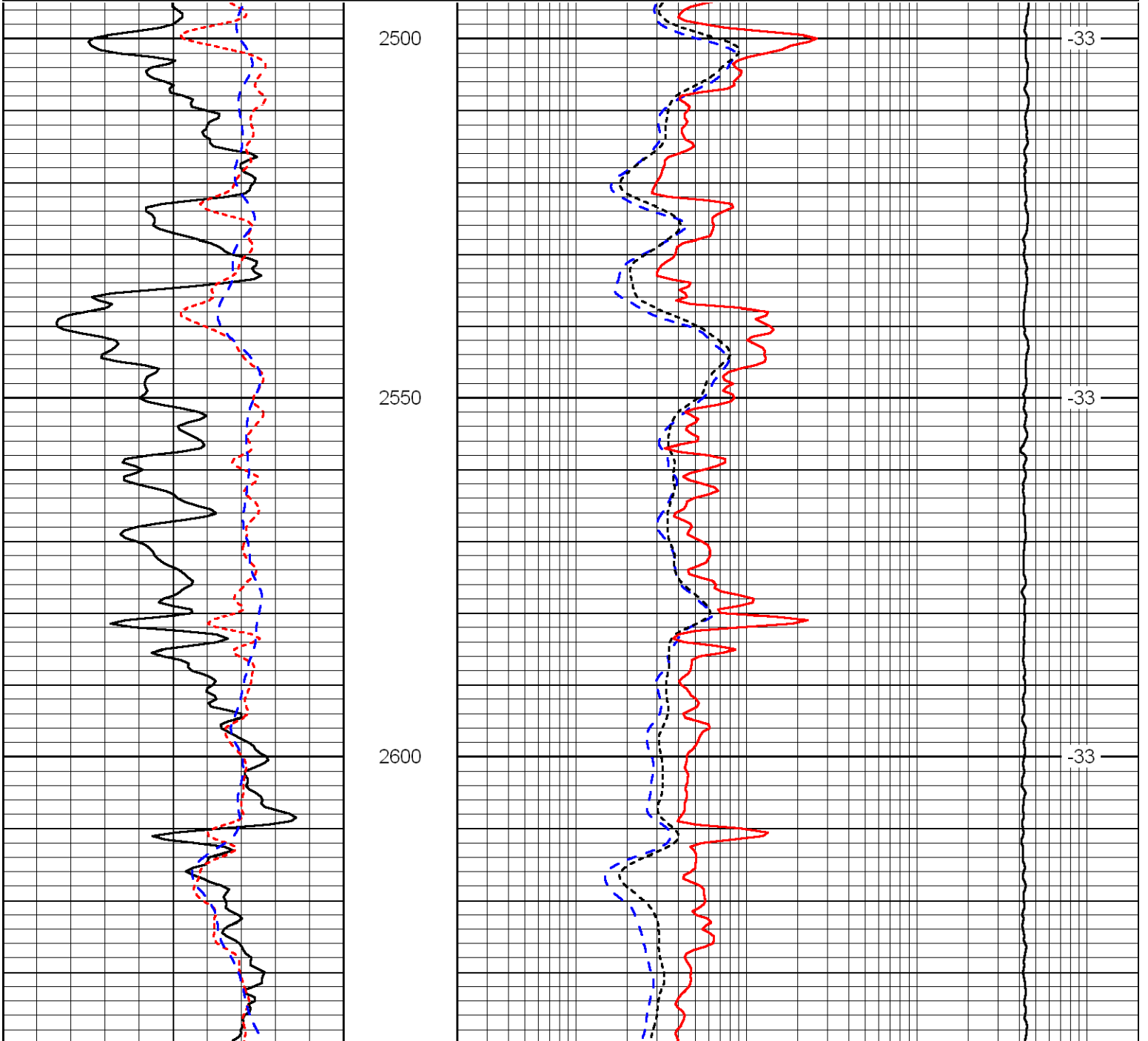
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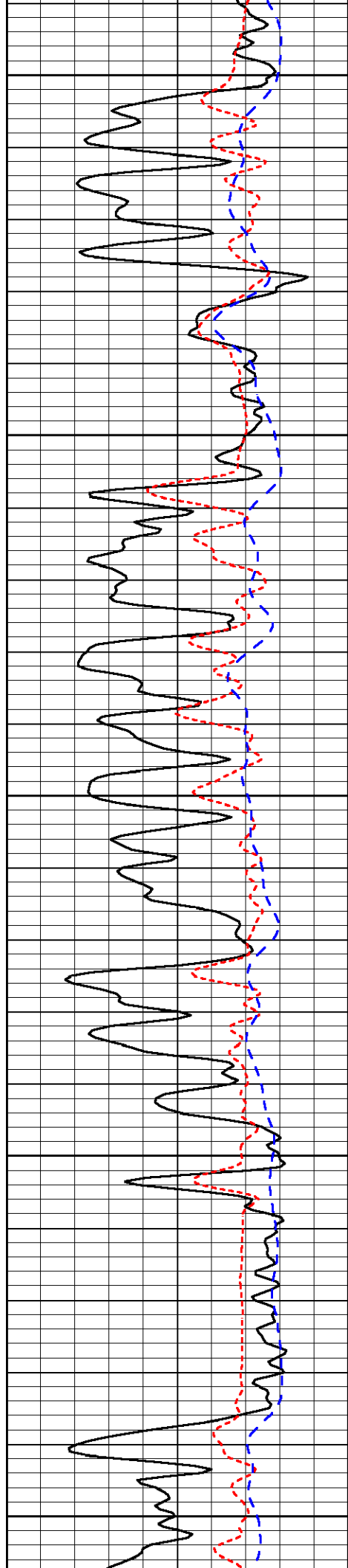
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-160	RXO/RT	40
-200	SP	0

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

LSPD





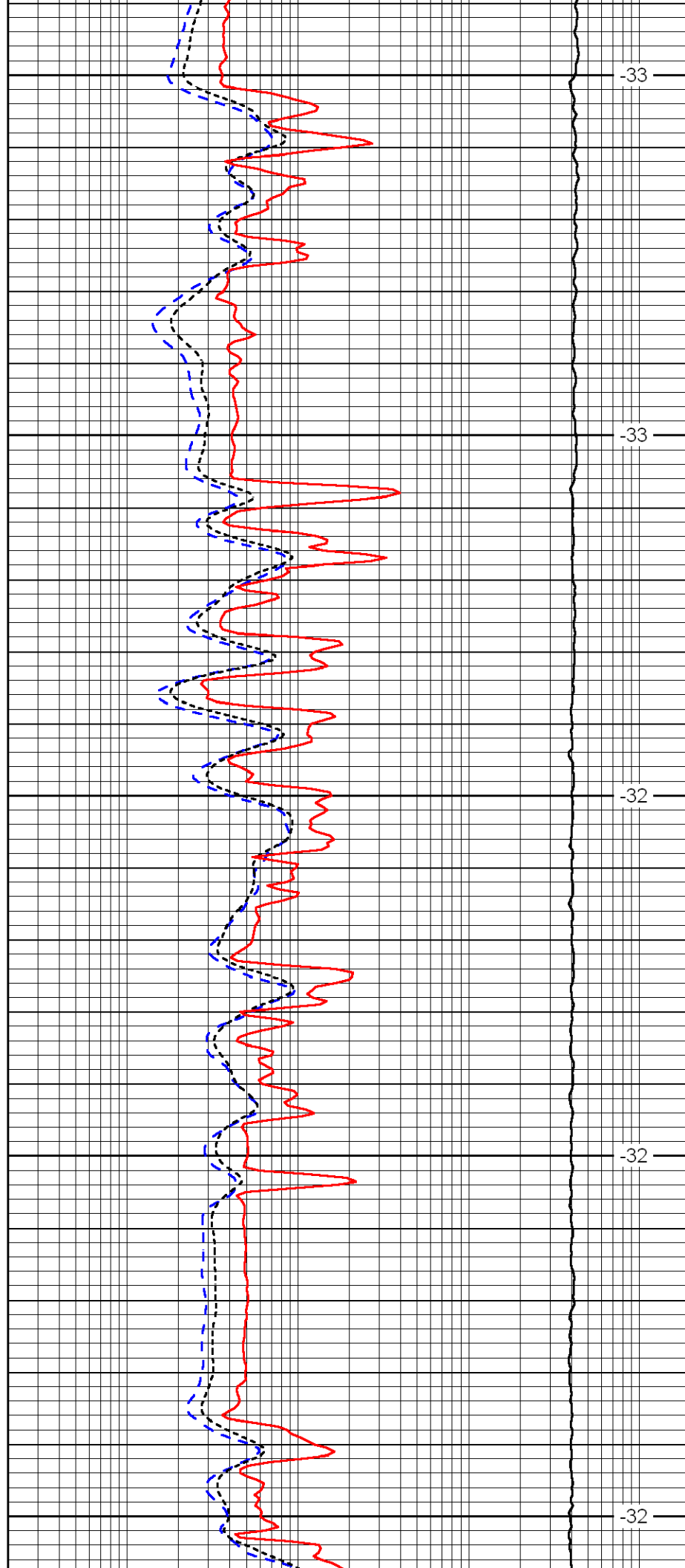
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2800

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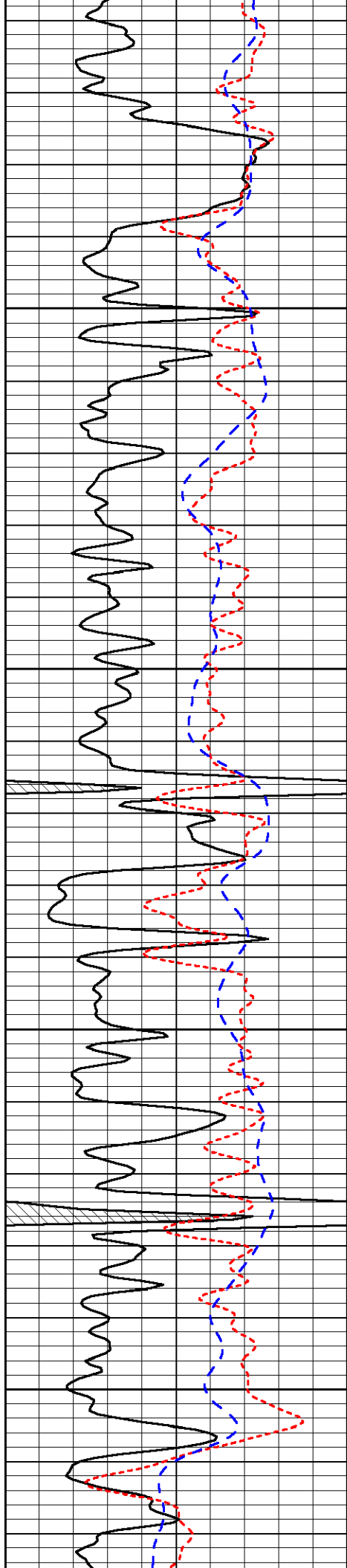
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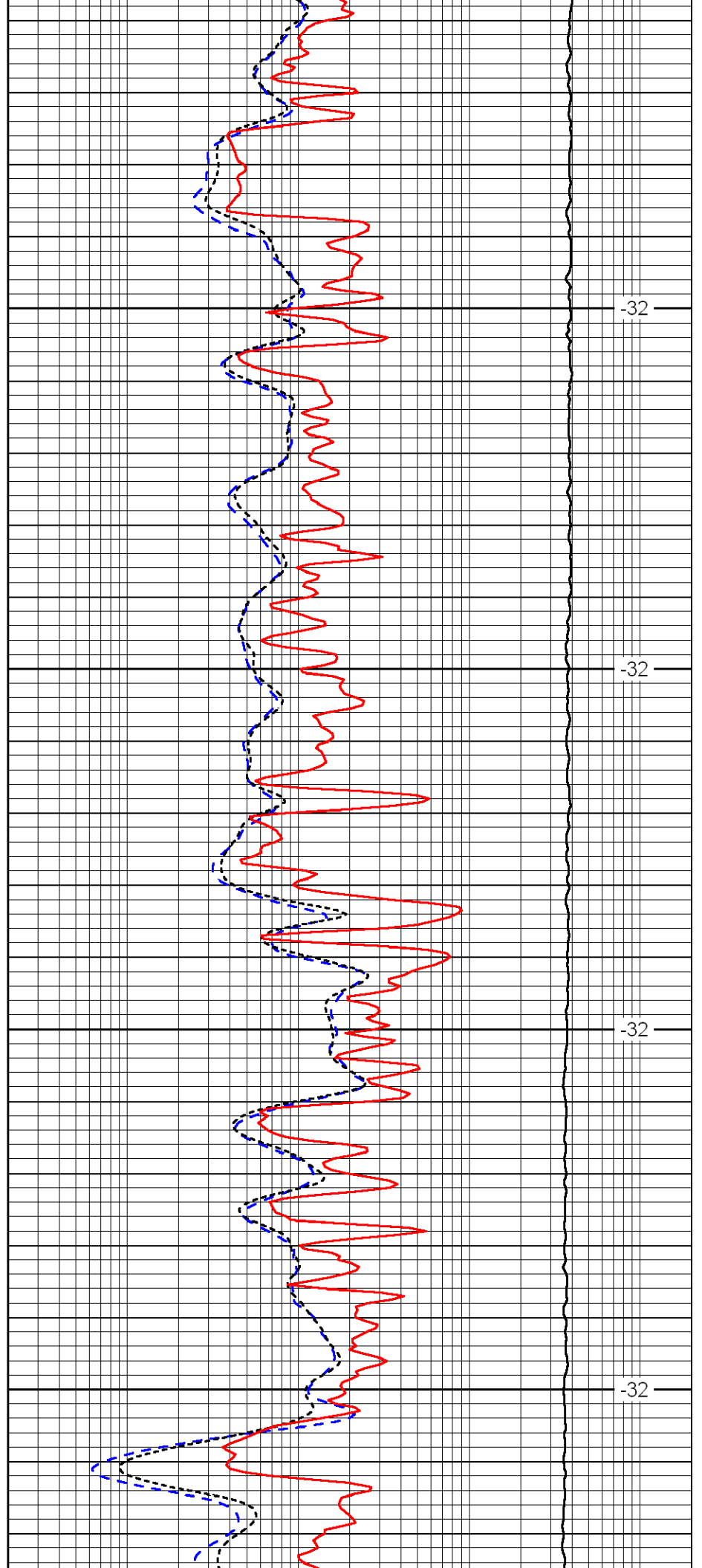


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2950

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3050

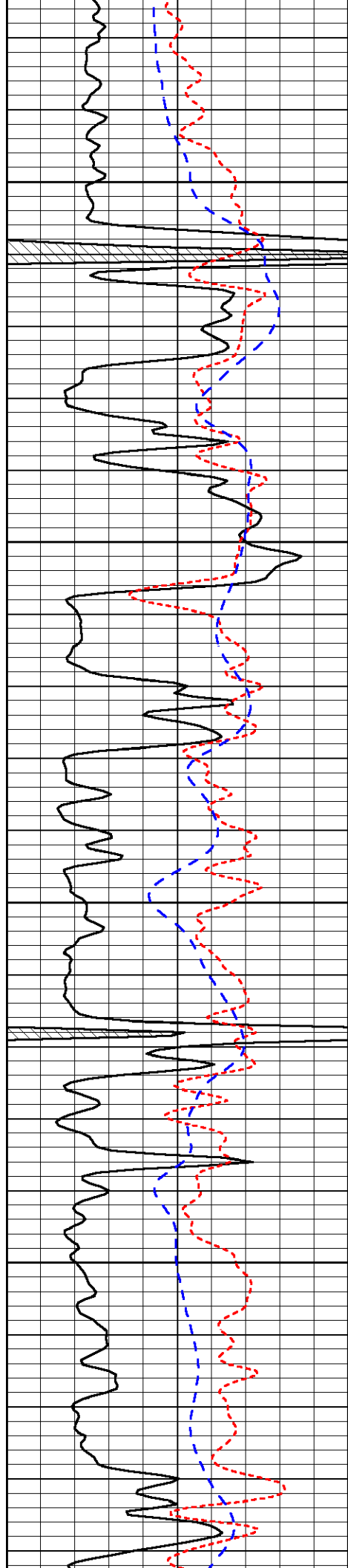


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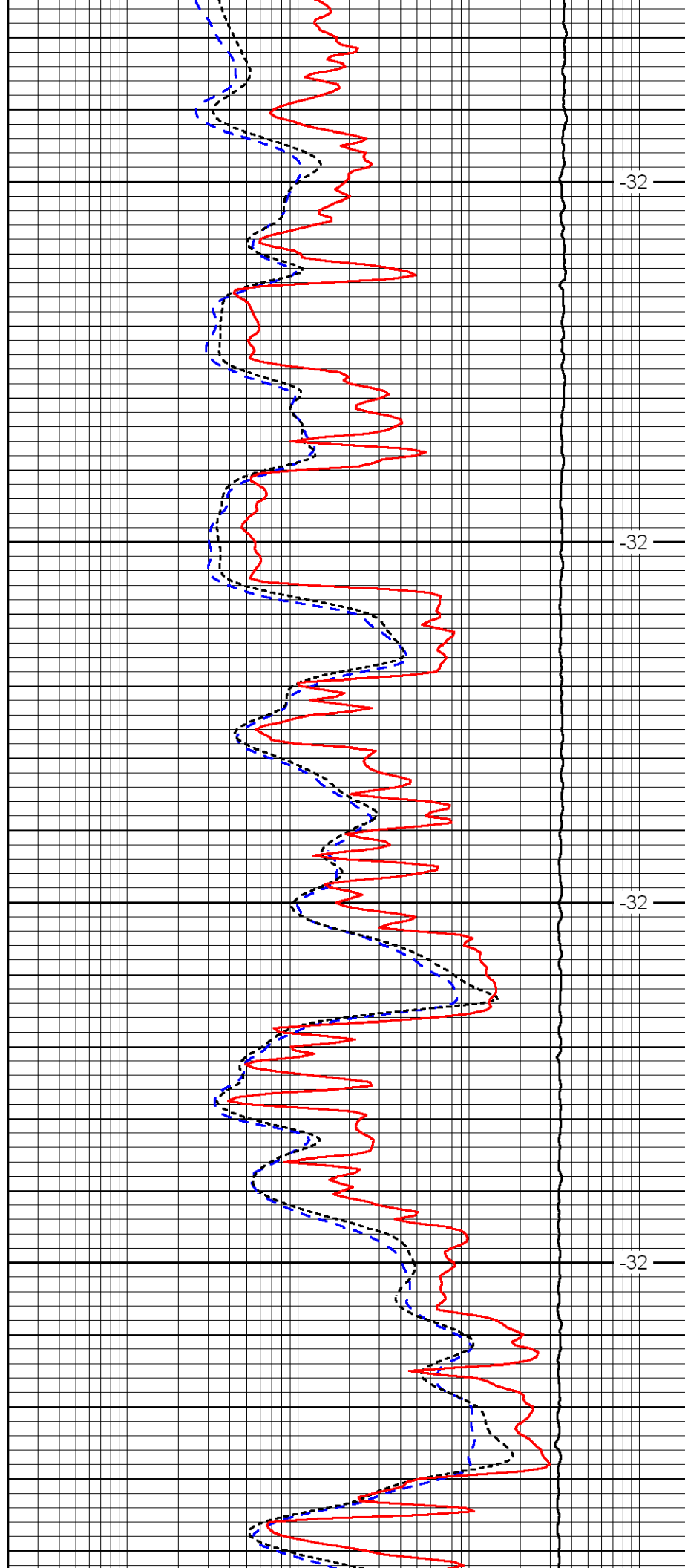


3100

3150

3200

3250

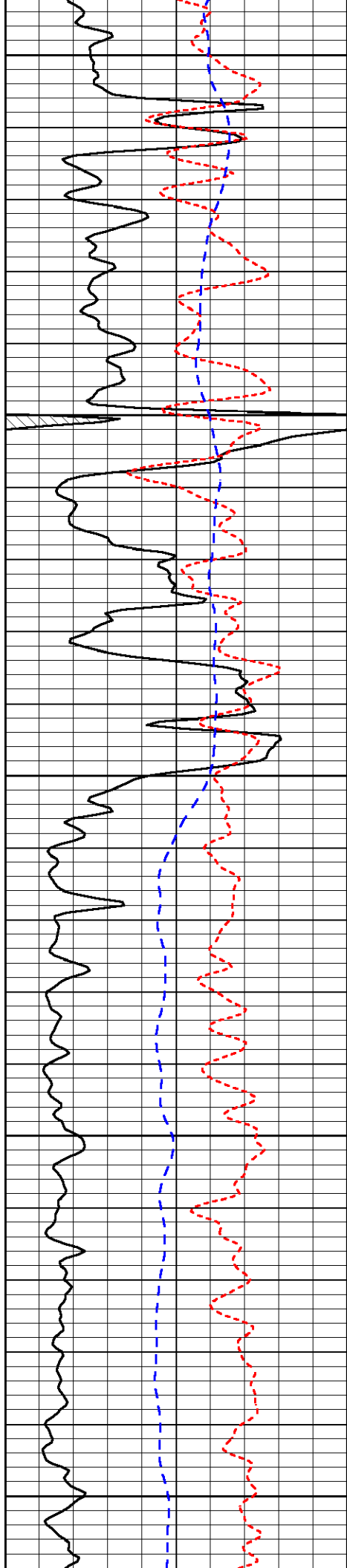


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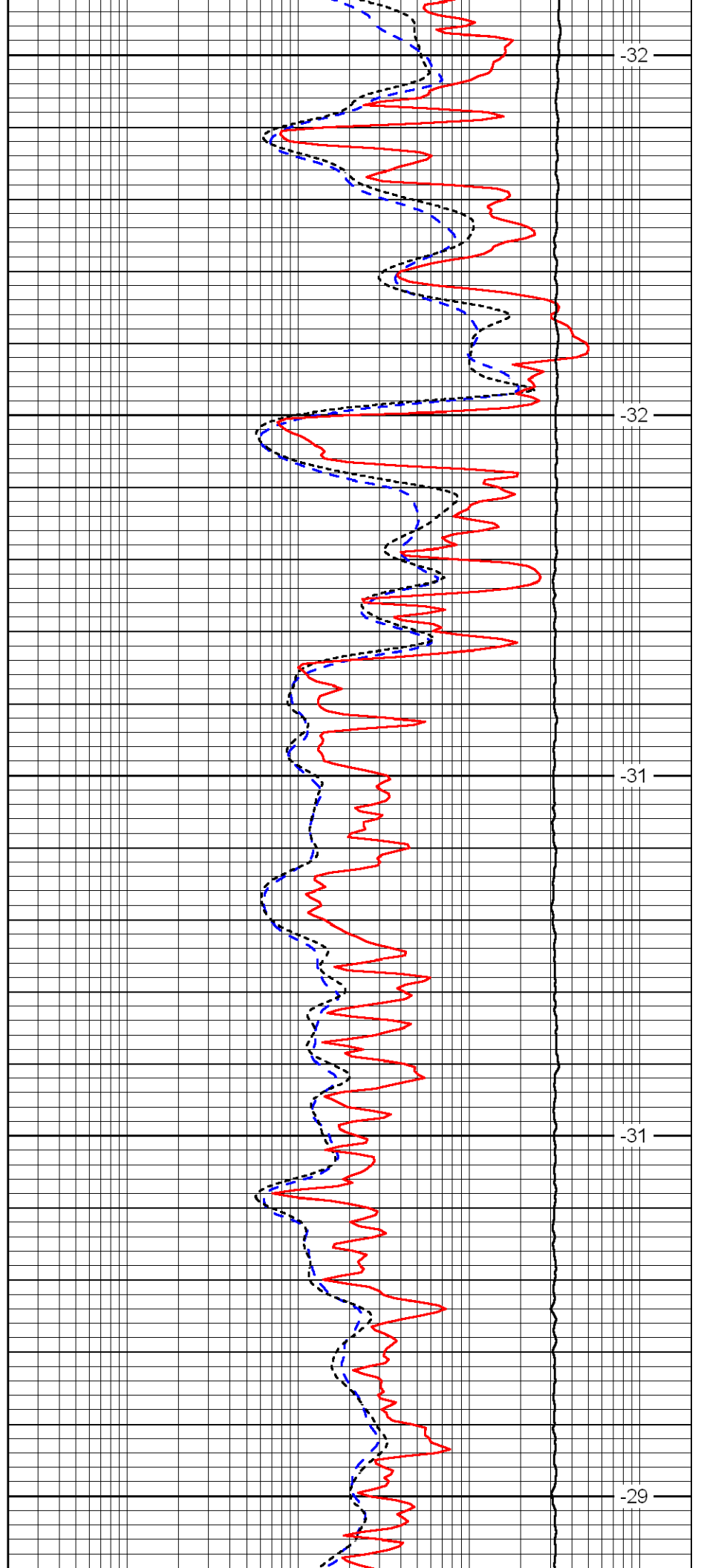
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3400

3450

3500



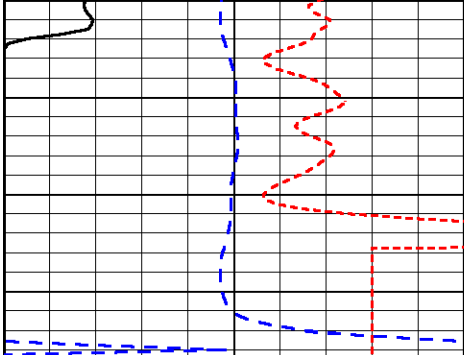
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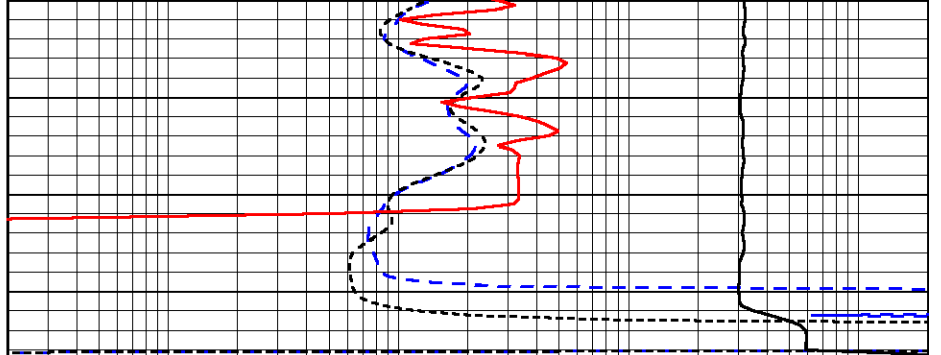
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0	Gamma Ray	150
-160	RXO/RT	40
-200	SP	0



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

LSPD



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No. 15-051-26,098-00-00

Company **TDI, Inc.**
 Well **Baier No.1**
 Field
 County **Ellis** State **Kansas**

Location **SE NW NE NW
 500' FNL & 1680' FWL**

Sec: **20** Twp: **14S** Rge: **16W**

Other Services
 DIL/MEL

Permanent Datum Ground Level Elevation 1881
 Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

K.B. 1891
 D.F. G.L. 1881

Date	4/26/2011				Elevation	
Run Number	One					
Type Log	CNL / CDL					
Depth Driller	3540					
Depth Logger	3541					
Bottom Logged Interval	3520					
Top Logged Interval	2500					
Type Fluid In Hole	Chemical					
Salinity, PPM CL	5,200					
Density	9.0					
Level	Full					
Max. Rec. Temp. F	113					
Operating Rig Time	3 1/2 Hours					
Equipment -- Location	17 Hays					
Recorded By	C. Desaire					
Witnessed By	Herb Deines		Tom Denning			
Borehole Record			Casing Record			
Run No	Bit	From	To	Size	Wgt.	To
One	12.25	00	235	8.625	23#	235
Two	7.875	235	TD			

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Comments

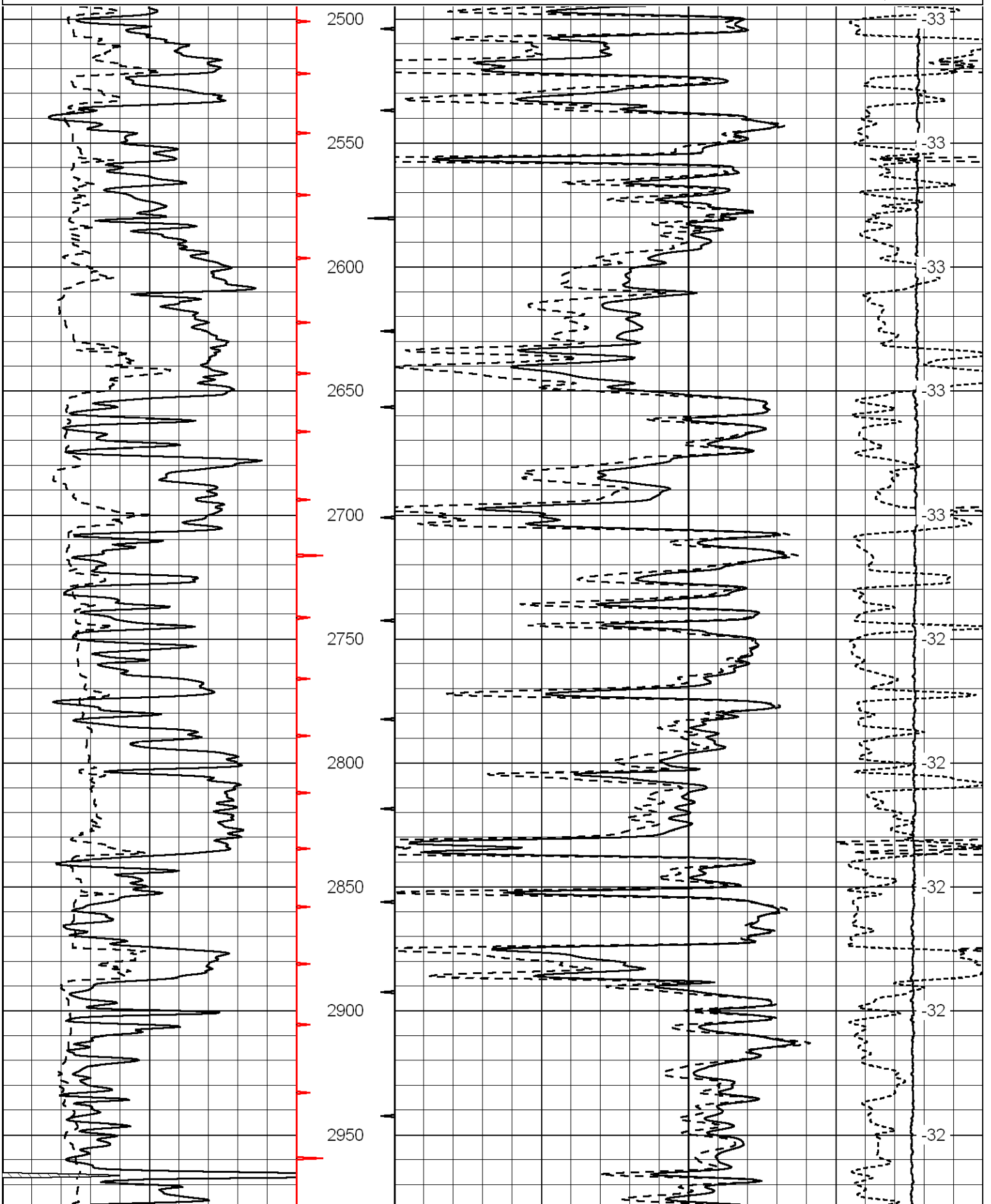
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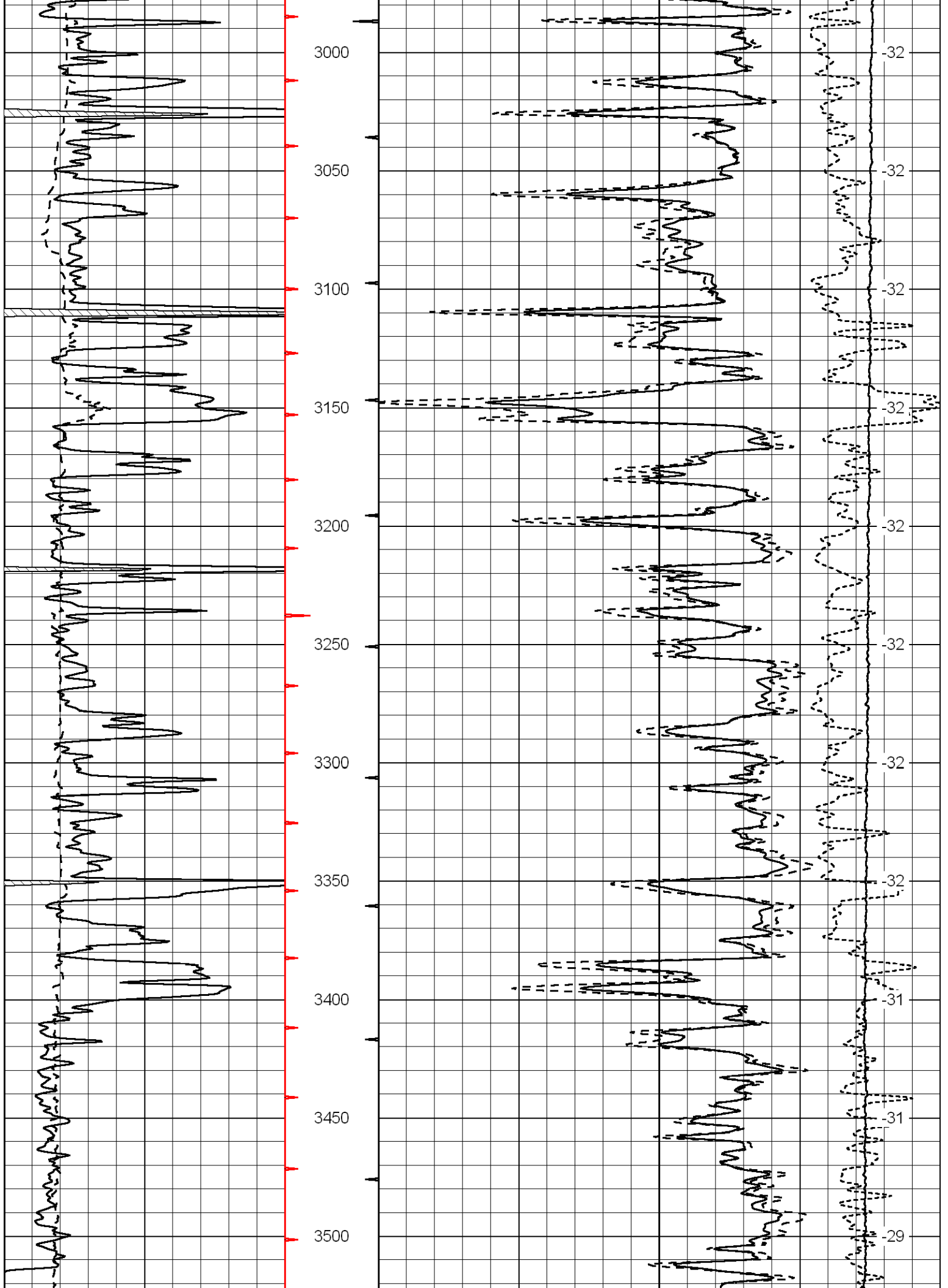
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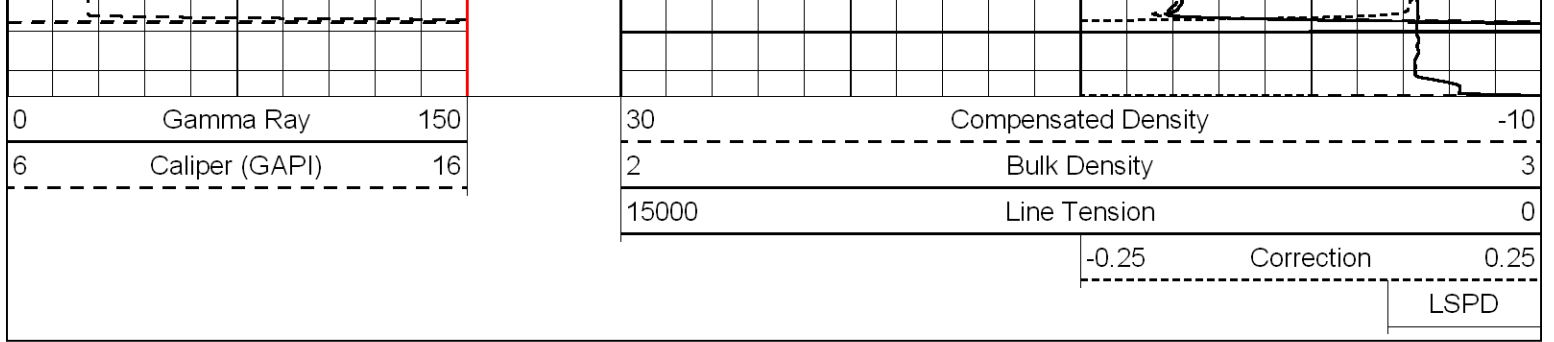
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6	Caliper (GAPI)	16

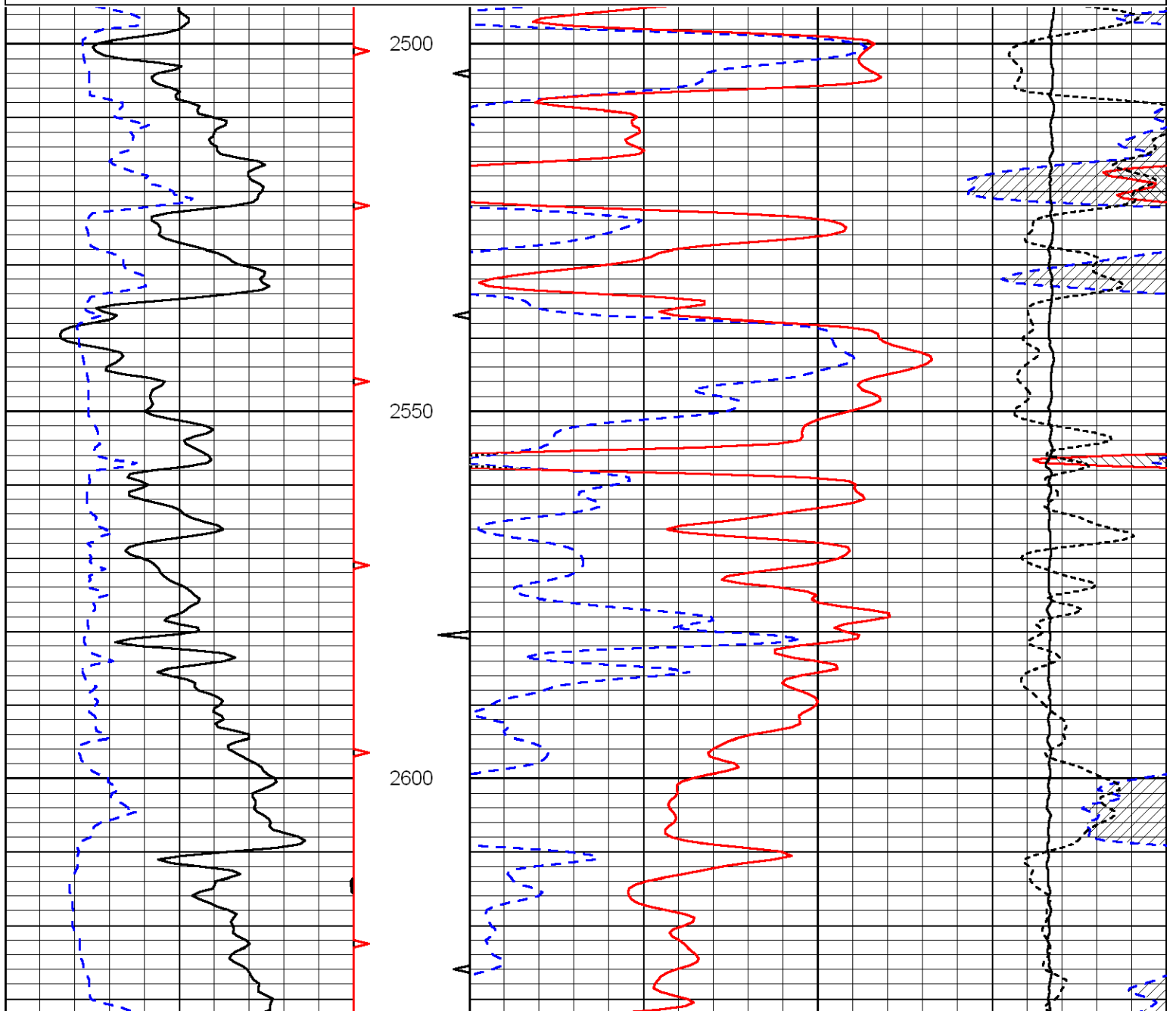
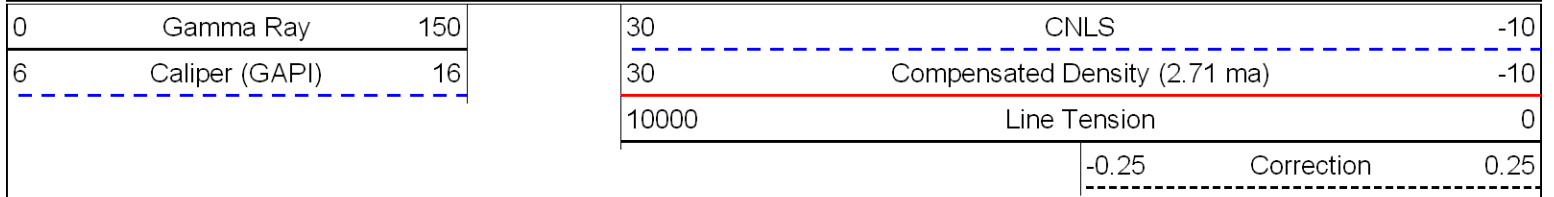
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2	Bulk Density	3	
15000	Line Tension	0	
	-0.25	Correction	0.25
			LSPD

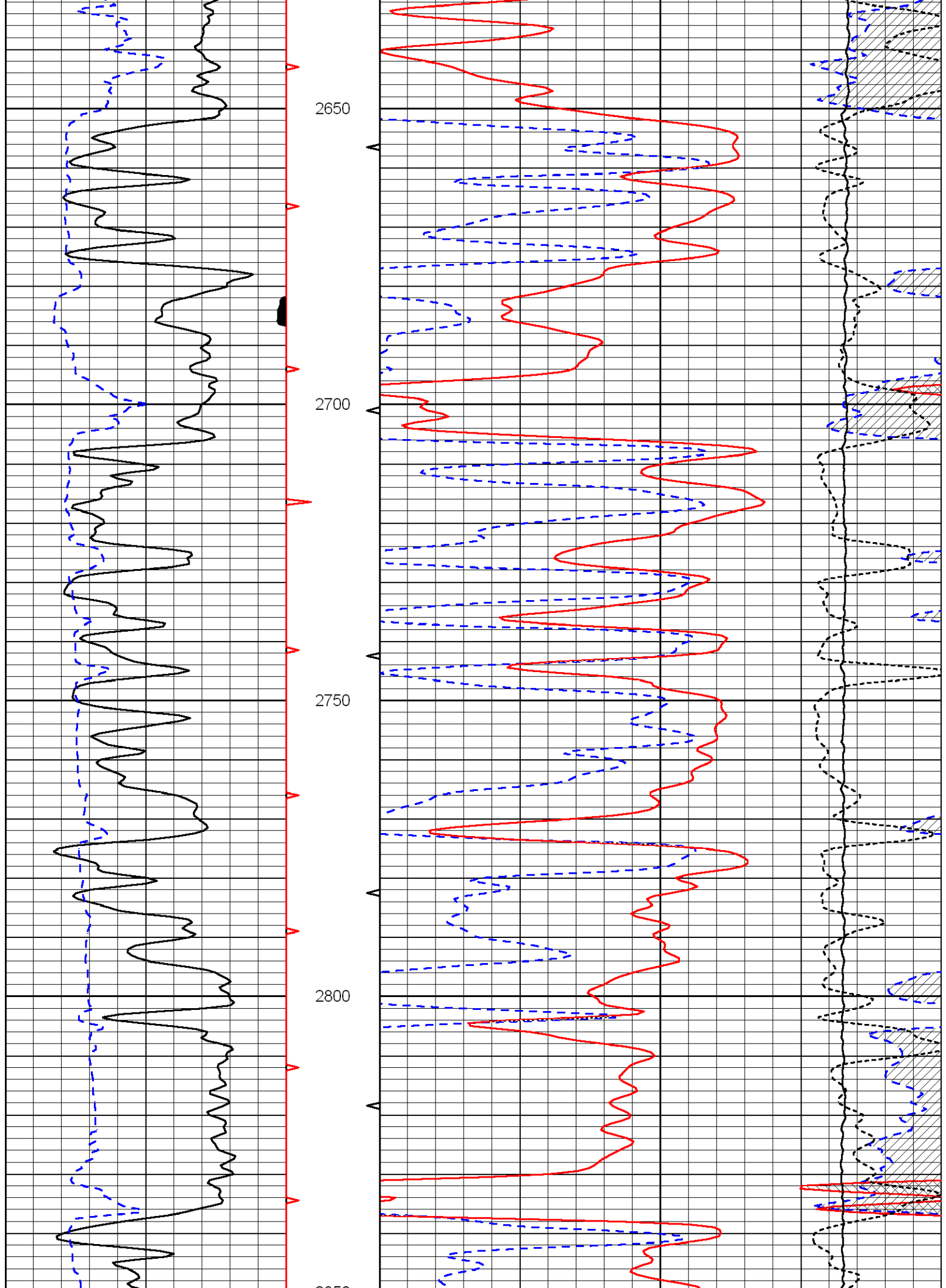


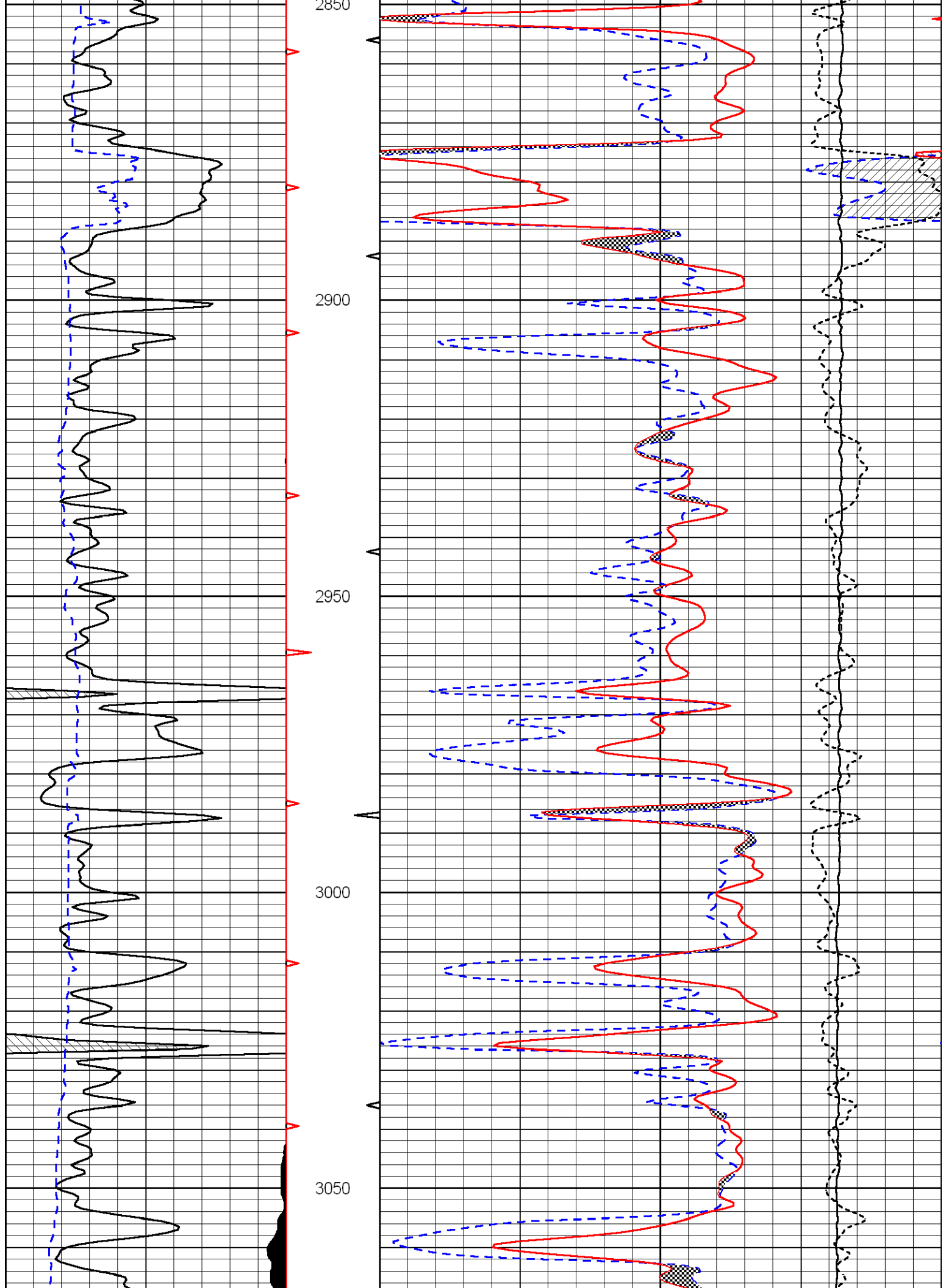


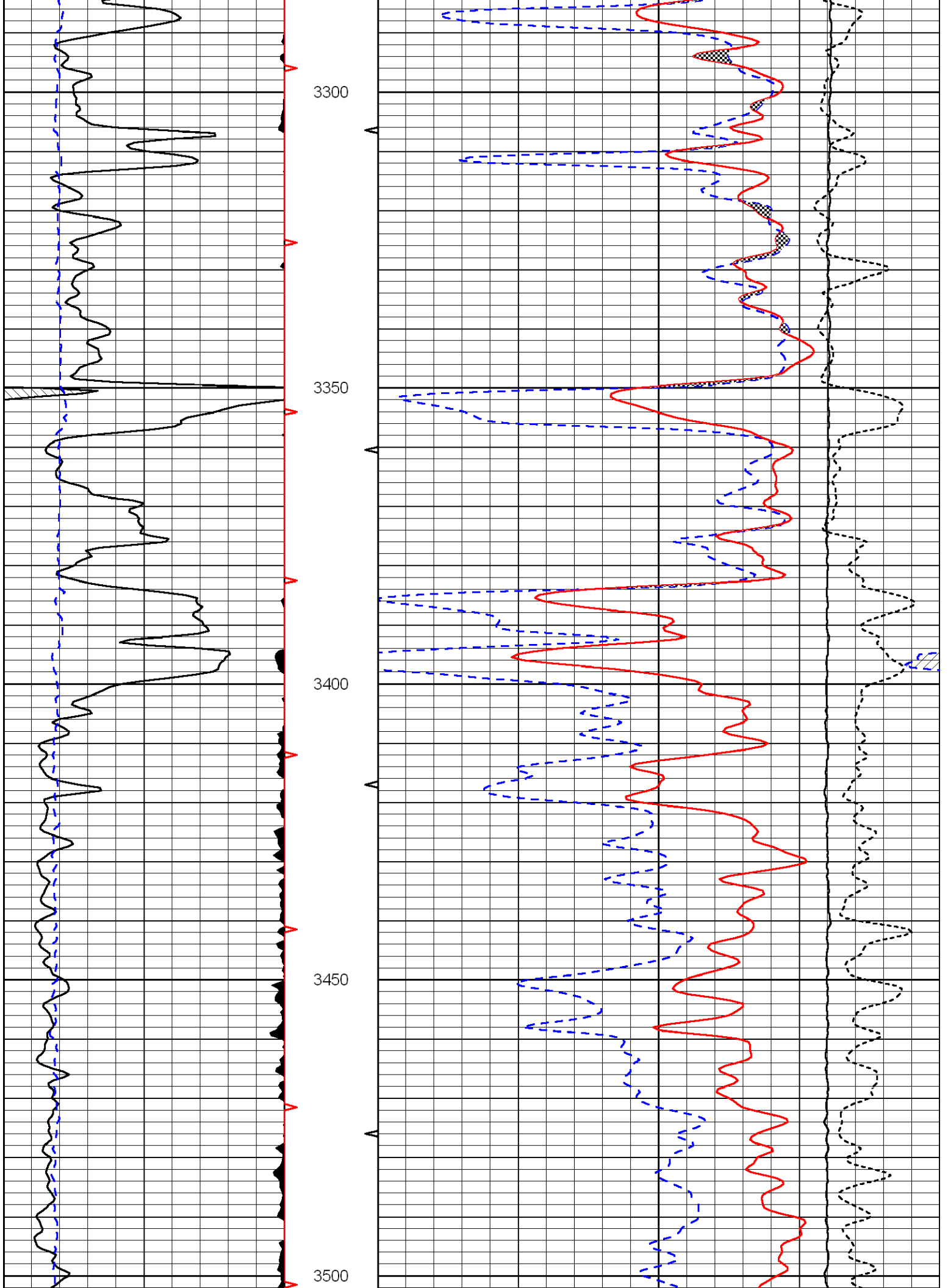


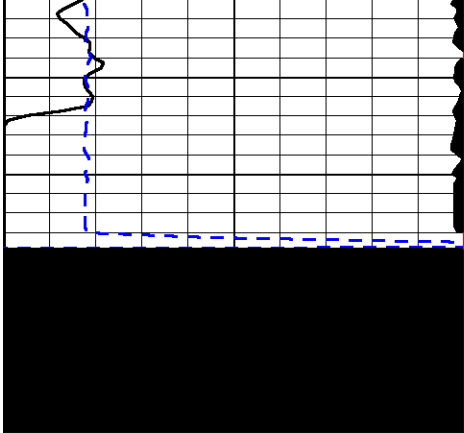
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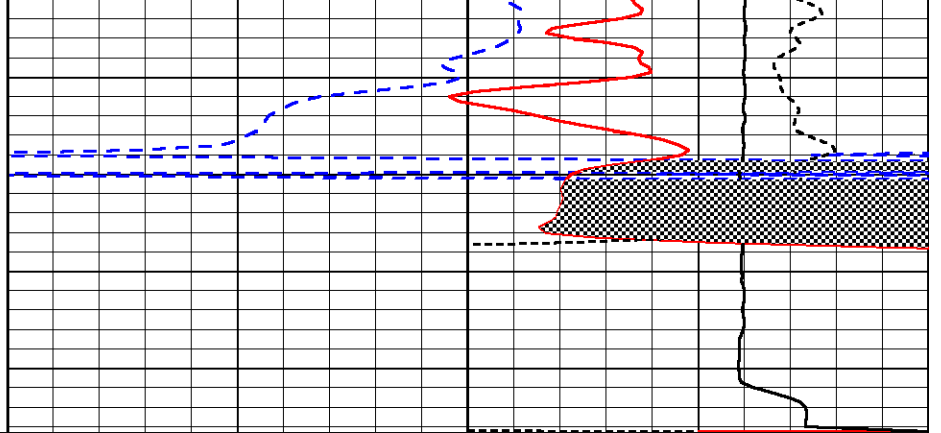








0	Gamma Ray	150
6	Caliper (GAPI)	16



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



Microresistivity Log

DIGITAL LOG (785) 625-3858

API No.	15-051-26,098-00-00	
Company	TDL, Inc.	
Well	Baier No.1	
Field		
County	Ellis	State
		Kansas
Location	SE NW/NE NW 500' FNL & 1680' FWL	
Sec: 20	Twp: 14S	Rge: 16W
Permanent Datum	Ground Level	Elevation 1881
Log Measured From	Kelly Bushing	10 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
		Other Services CNL/CDL DIL
		Elevation K.B. 1891 D.F. 1881 G.L. 1881

Date	4/26/2011
Run Number	Two
Depth Driller	3540
Depth Logger	3541
Bottom Logged Interval	3540
Top Log Interval	2500
Casing Driller	8.625 @ 235
Casing Logger	239
Bit Size	7.875
Type Fluid in Hole	Chemical
Salinity, ppm CL	5,200
Density / Viscosity	9.0 49
pH / Fluid Loss	10.5 7.8
Source of Sample	Flowline
Rm @ Meas. Temp	.65 @ 57
Rmf @ Meas. Temp	.49 @ 57
Rmc @ Meas. Temp	.88 @ 57
Source of Rmf / Rmc	Charts
Rm @ BHT	.33 @ 113
Operating Rig Time	3 1/2 Hours
Max Rec. Temp. F	113
Equipment Number	17
Location	Hays
Recorded By	C. Desaire
Witnessed By	Herb Deines
	Tom Denning

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Comments

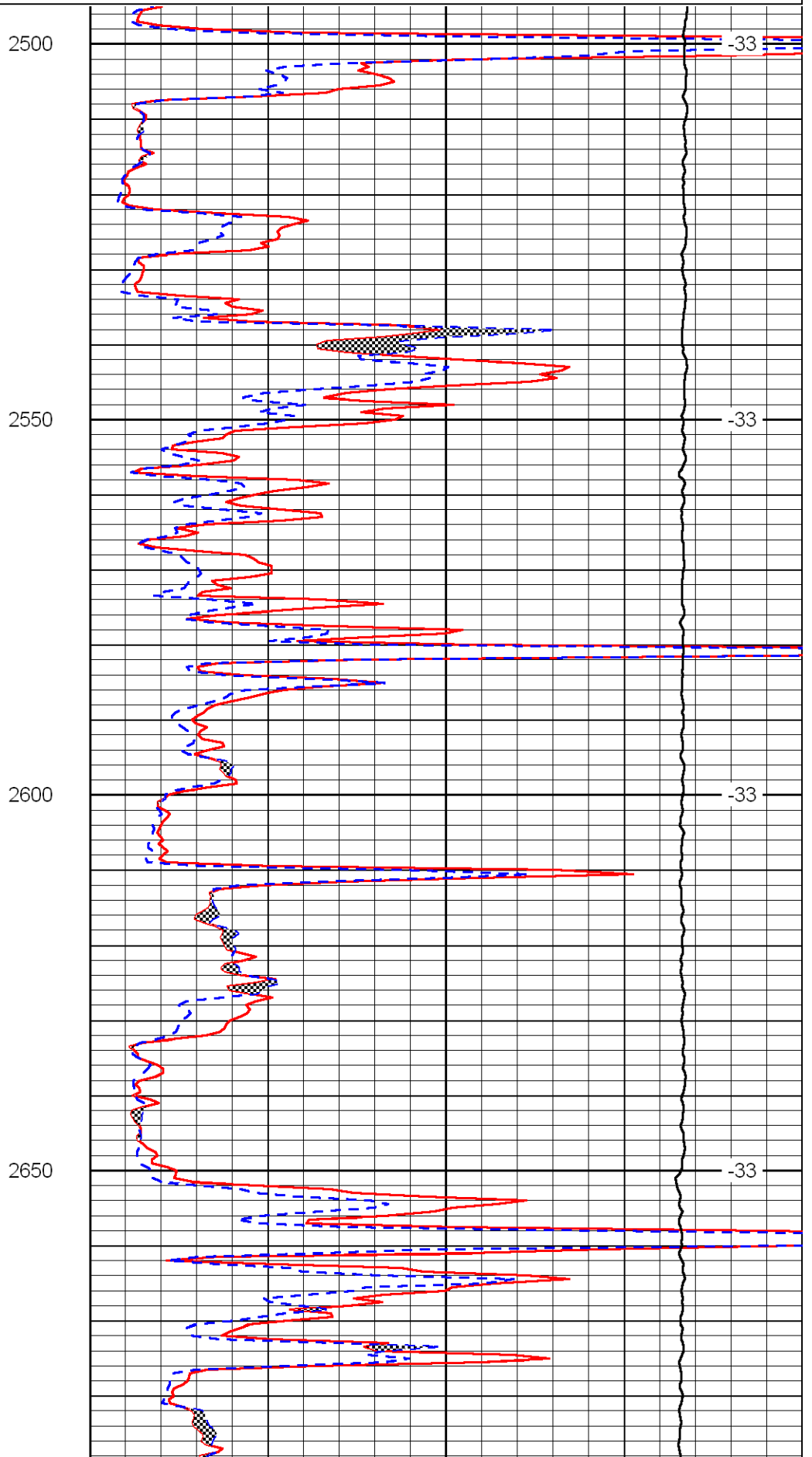
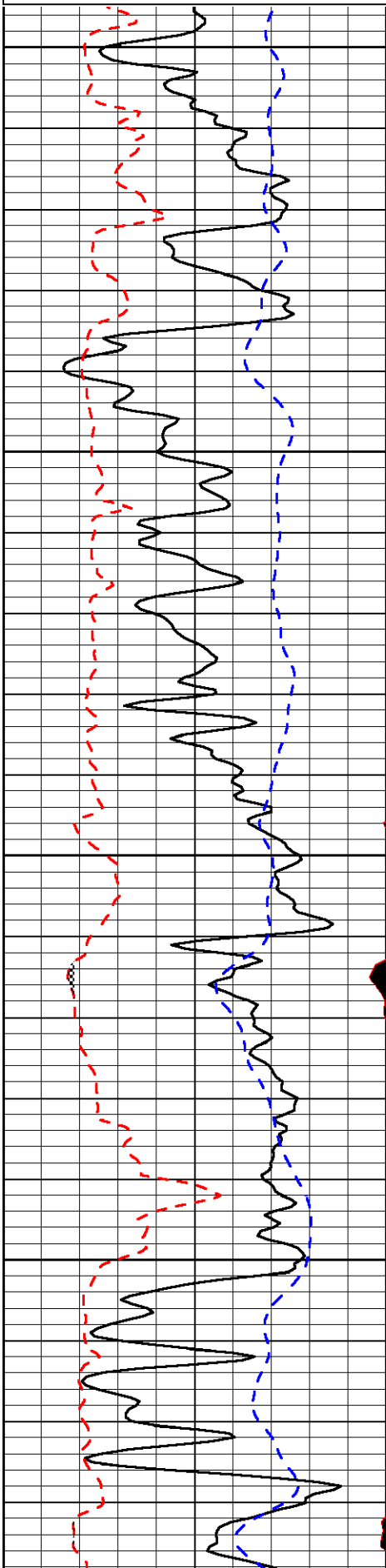
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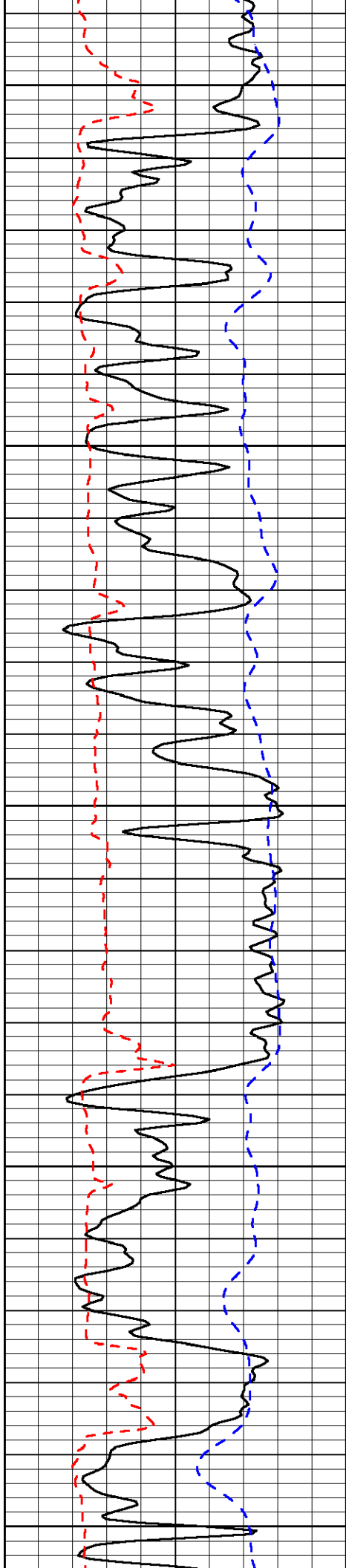
Victoria, 1 NE, 2 S, E Into

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 Dataset Creation: Wed Apr 27 02:43:44 2011
 Charted by: Depth in Feet scaled 1:240

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

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





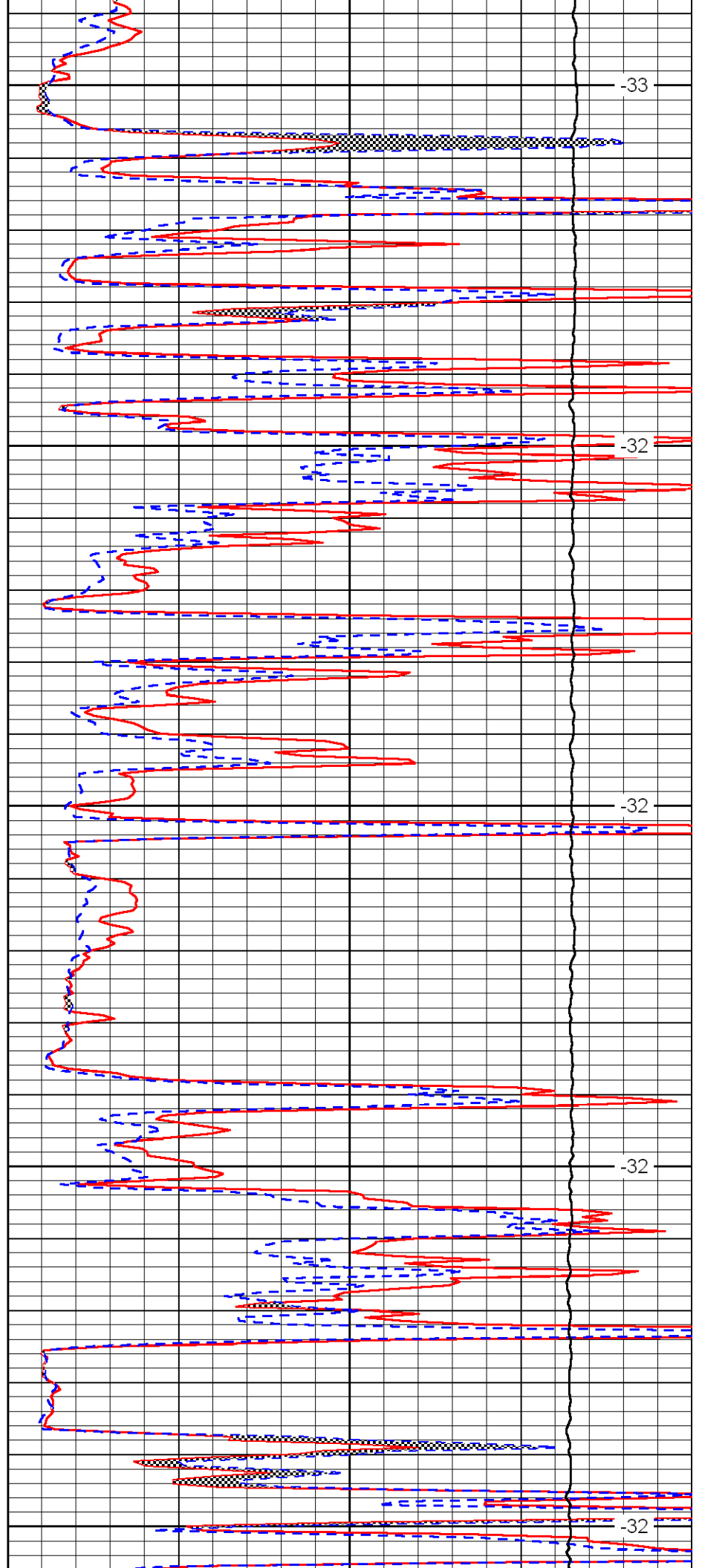
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2750

2800

2850

2900



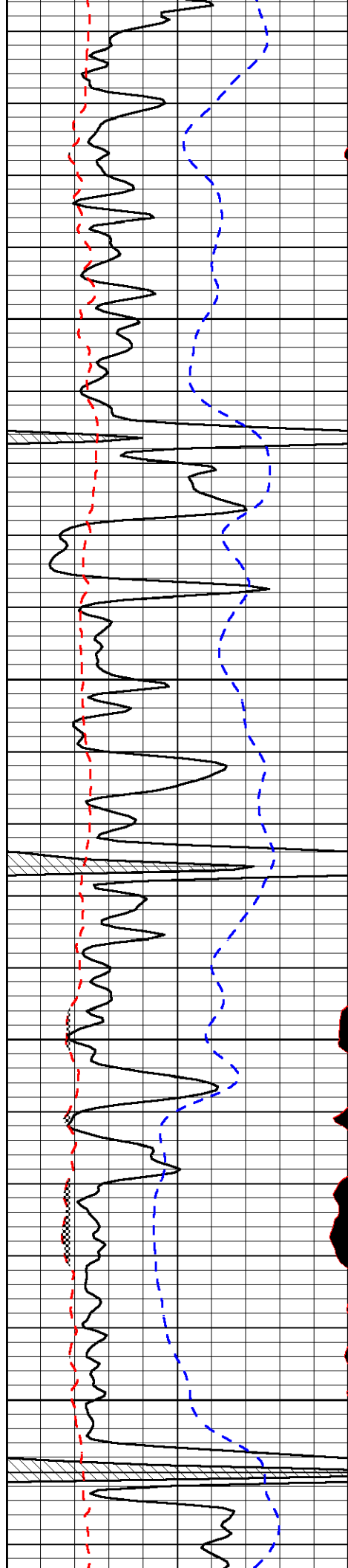
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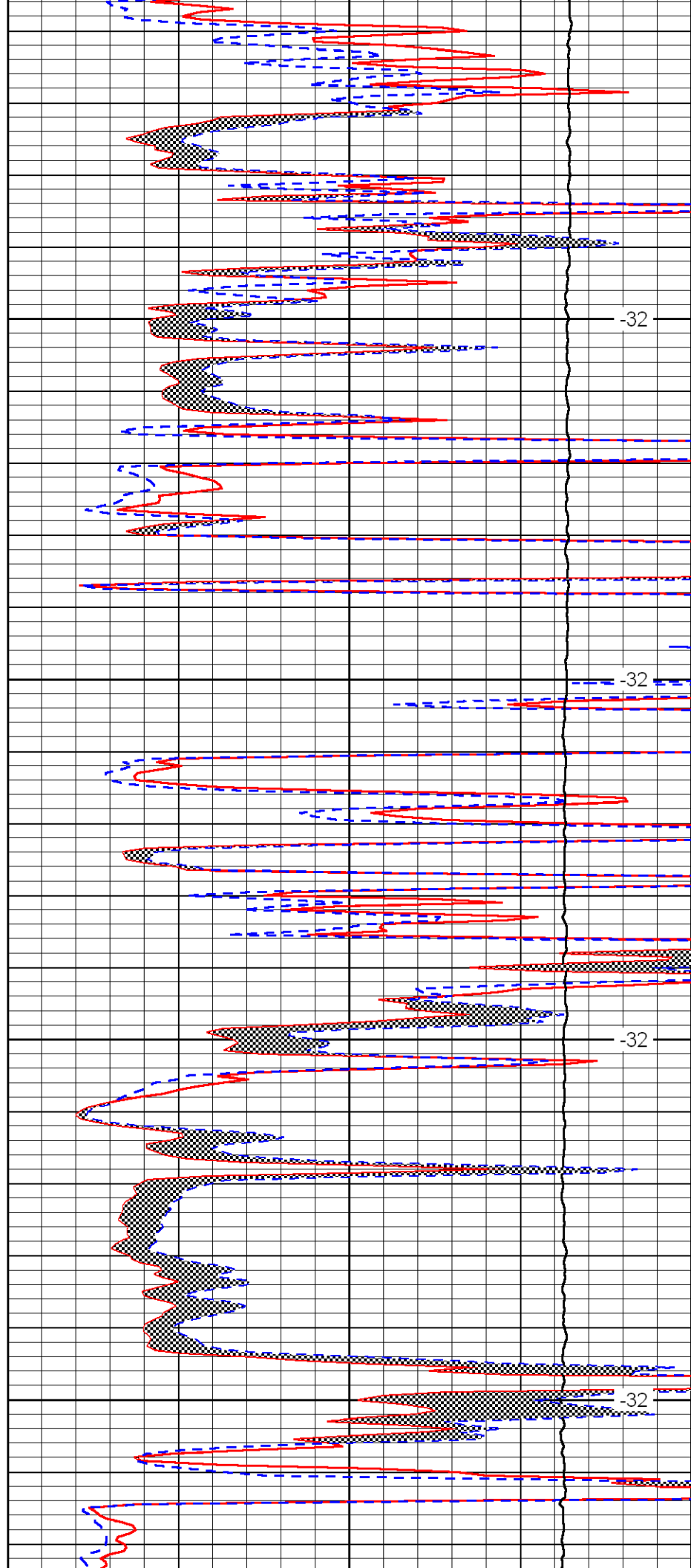


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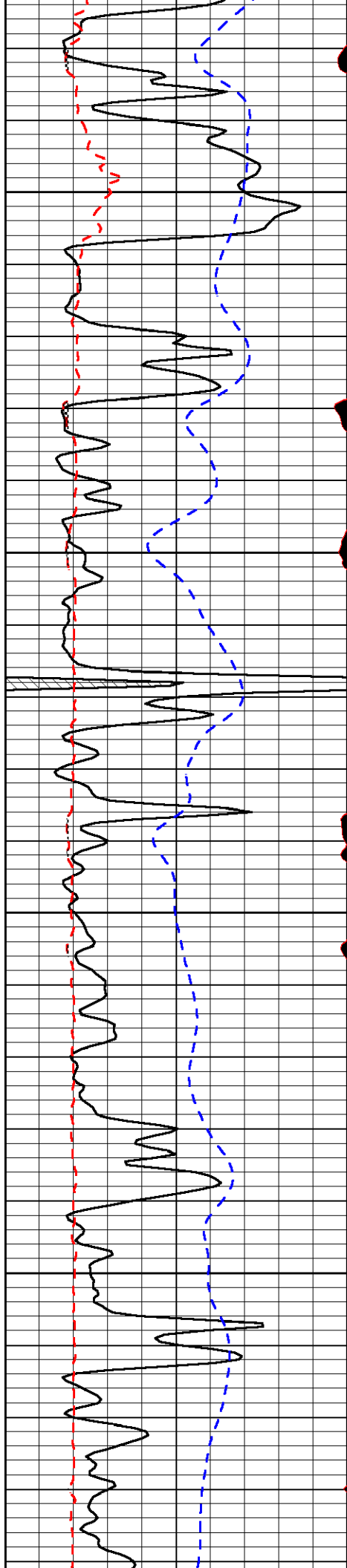


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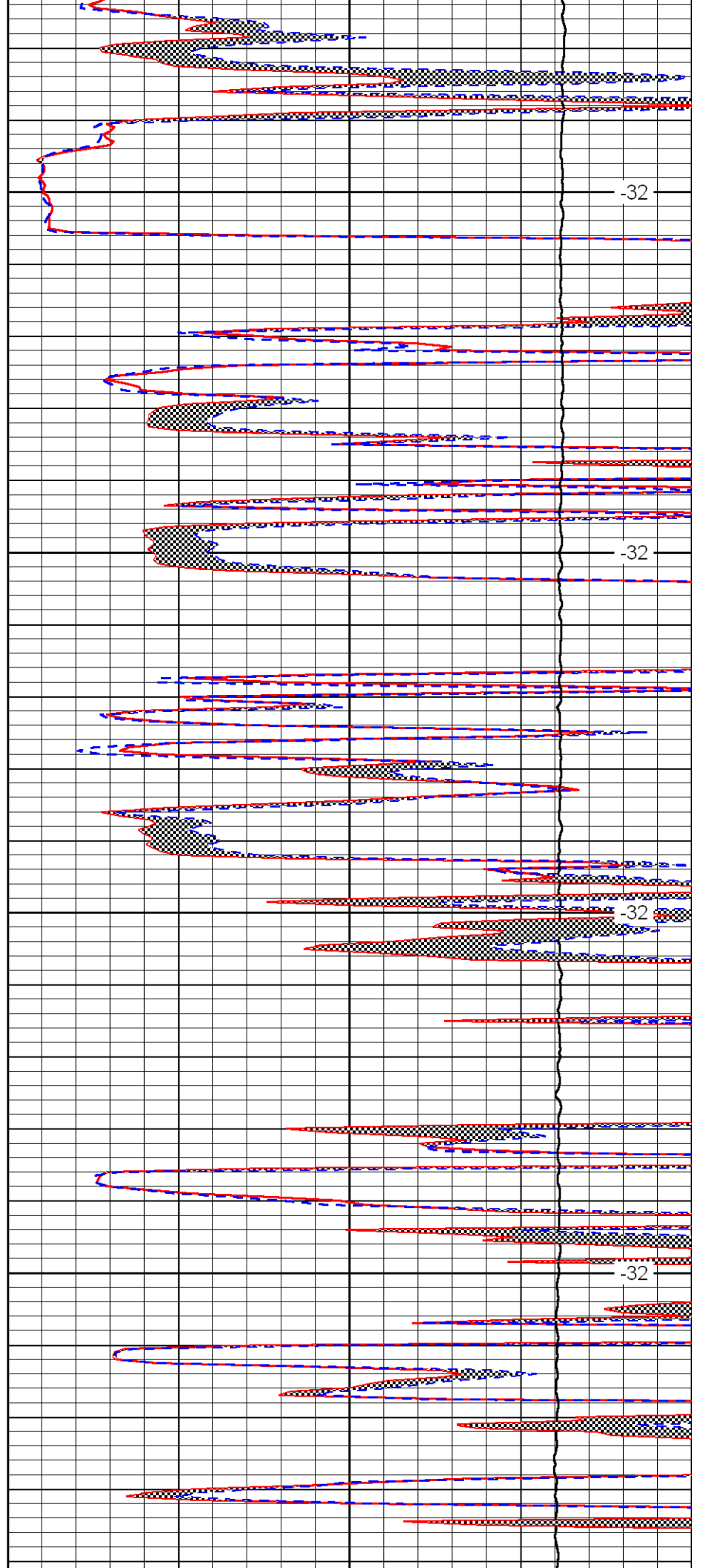


3150

3200

3250

3300

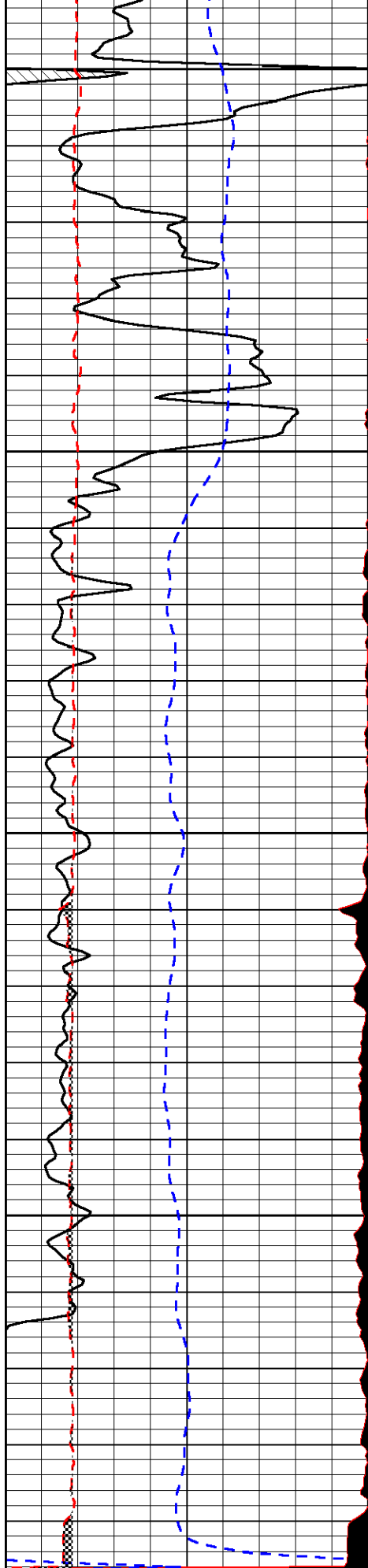


-32

-32

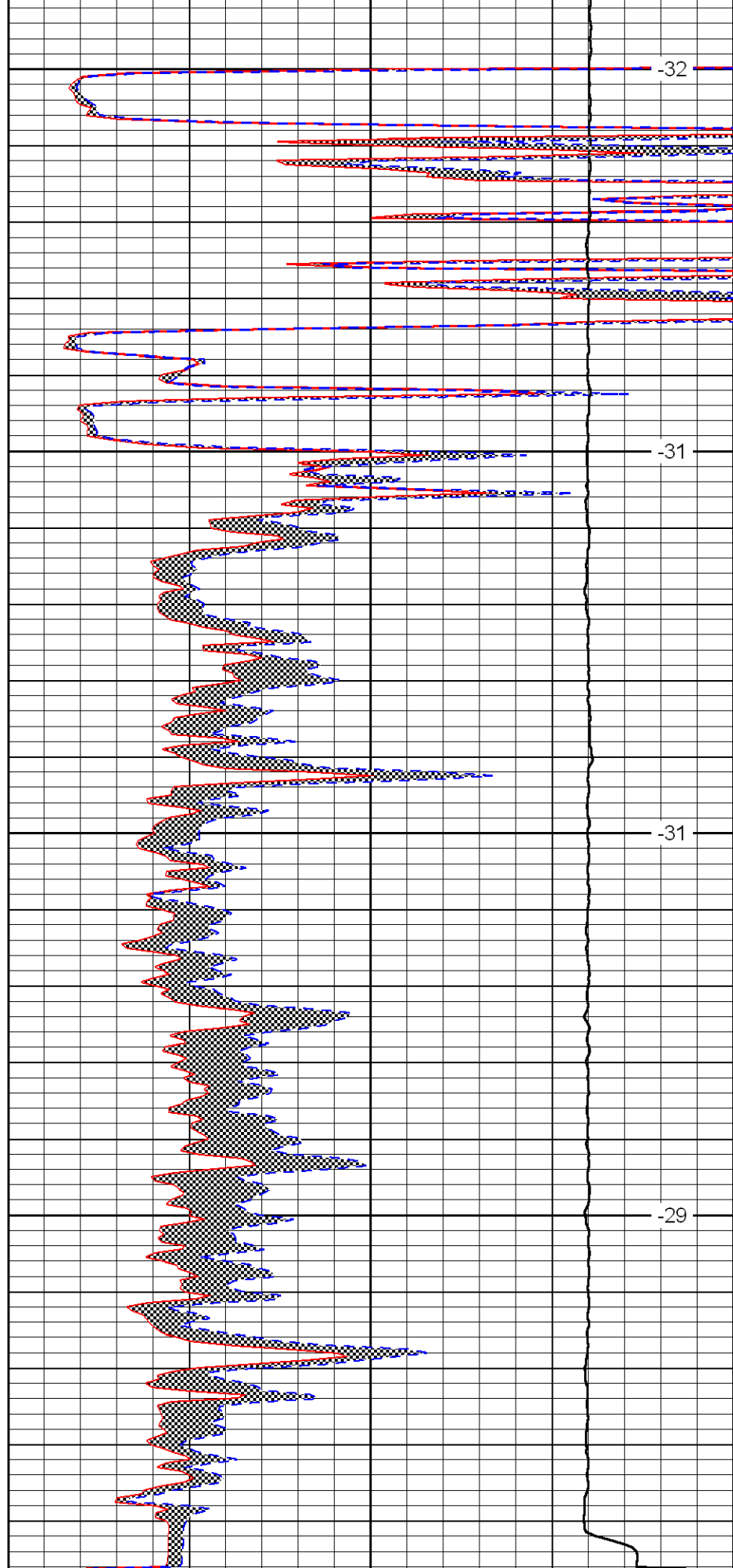
-32

-32



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

3350
3400
3450
3500

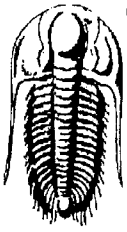


0	Micro Inverse 1 X 1	40
0	Micro Normal 2''	40
10000	Line Weight	0

-32
-31
-31
-29

2.875	Mid Cake (GAP1)	7.875
-200	SP	0

10000	Line weight	0
		LSPD



**TRILOBITE
TESTING, INC**

DRILL STEM TEST REPORT

TDI Inc,
1310 Bison Rd
Hays KS, 67601

ATTN: Herb Deines

Baier #1

20-14s-16w Ellis,KS

Job Ticket: 42583

DST#: 1

Test Start: 2011.04.25 @ 08:50:00

GENERAL INFORMATION:

Formation: KC "B-D"

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 11:55:00

Time Test Ended: 16:05:00

Test Type: Conventional Bottom Hole

Tester: Cody Bloedorn

Unit No: 38

Interval: 3168.00 ft (KB) To 3210.00 ft (KB) (TVD)

Total Depth: 3210.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1891.00 ft (KB)

1881.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 8520

Inside

Press@RunDepth: 417.36 psig @ 3174.00 ft (KB)

Start Date: 2011.04.25

End Date: 2011.04.25

Start Time: 08:50:01

End Time: 16:05:00

Capacity: 8000.00 psig

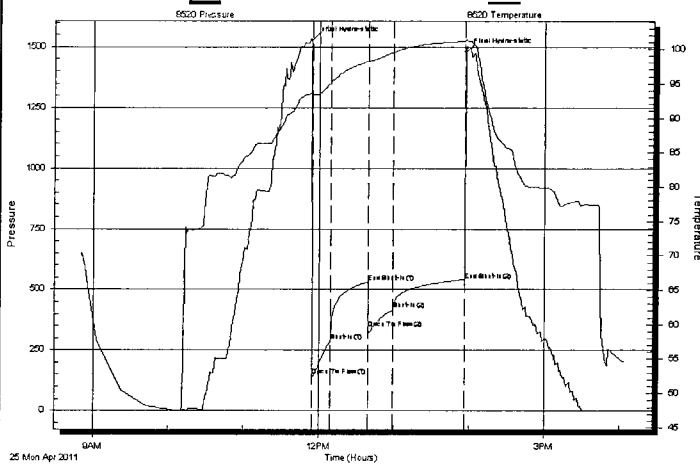
Last Calib.: 2011.04.25

Time On Btm: 2011.04.25 @ 11:54:00

Time Off Btm: 2011.04.25 @ 13:56:30

TEST COMMENT: 15 - IF- BOB - 2 Min
30 - IS- no blow back
30 - FF- BOB - 2 Min
45 - FS- no blow back

Pressure vs. Time



PRESSURE SUMMARY

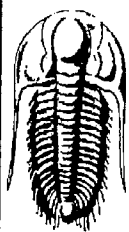
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1528.41	93.62	Initial Hydro-static
1	144.21	93.42	Open To Flow (1)
16	287.16	95.16	Shut-In(1)
45	530.60	98.21	End Shut-In(1)
46	339.10	98.16	Open To Flow (2)
66	417.36	99.55	Shut-In(2)
122	536.23	101.12	End Shut-In(2)
123	1480.74	101.44	Final Hydro-static

Recovery

Length (ft)	Description	Volume (bbl)
806.00	80%W, 20%M	11.31
31.00	50%M, 50%W	0.43

Gas Rates

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



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

TDI Inc,
1310 Bison Rd
Hays KS, 67601
ATTN: Herb Deines

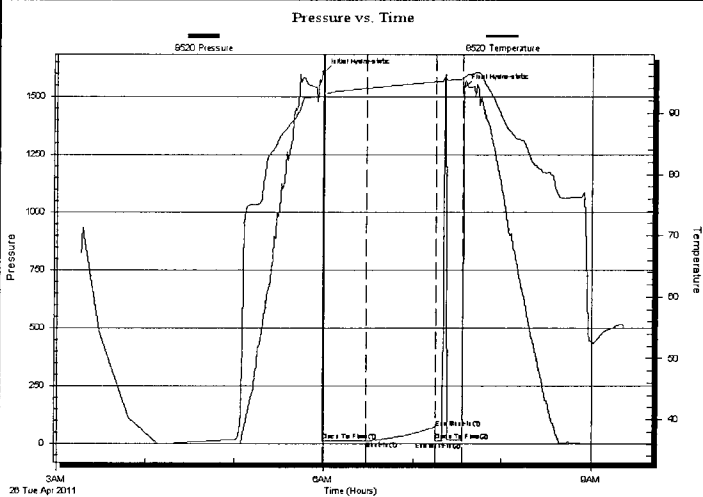
Baier #1
20-14s-16w Ellis,KS
Job Ticket: 42584 DST#: 2
Test Start: 2011.04.26 @ 03:16:20

GENERAL INFORMATION:

Formation: **KC "H-J"**
 Deviated: **No** Whipstock: ft (KB)
 Time Tool Opened: 05:59:50
 Time Test Ended: 09:22:20
 Interval: **3276.00 ft (KB) To 3345.00 ft (KB) (TVD)**
 Total Depth: **3210.00 ft (KB) (TVD)**
 Hole Diameter: **7.88 inches** Hole Condition: **Fair**
 Test Type: **Conventional Bottom Hole**
 Tester: **Cody Bloedorn**
 Unit No: **38**
 Reference Elevations: **1891.00 ft (KB)**
1881.00 ft (CF)
 KB to GR/CF: **10.00 ft**

Serial #: 8520 Inside
 Press@RunDepth: **14.27 psig @ 3277.00 ft (KB)** Capacity: **8000.00 psig**
 Start Date: **2011.04.26** End Date: **2011.04.26** Last Calib.: **2011.04.26**
 Start Time: **03:16:21** End Time: **09:22:20** Time On Btm: **2011.04.26 @ 05:59:20**
 Time Off Btm: **2011.04.26 @ 07:33:50**

TEST COMMENT: 30 IF- Weak surface blow , died in 11 min.
 45 IS- No Blow back *flushed tool*
 15 FF- No blow back *pulled tool*
 FSI-



PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1603.09	92.70	Initial Hydro-static
1	13.31	92.48	Open To Flow (1)
30	14.27	94.07	Shut-In(1)
76	68.46	95.13	End Shut-In(1)
76	13.50	95.15	Open To Flow (2)
94	10.82	95.59	End Shut-In(2)
95	1534.44	95.77	Final Hydro-static

Recovery

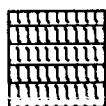
Length (ft)	Description	Volume (bbl)
5.00	VSOCM, 95%M, 5%O	0.07

Gas Rates

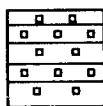
Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)

* Structural Position to:

LEGEND



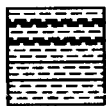
Anhydrite



Salt



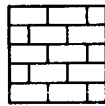
Sandstone



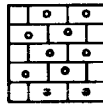
Shale



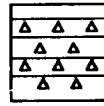
Carb sh



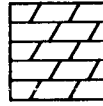
Limestone



Ool. Lime



Chert



Dolomite

SCALE " = 100'

Lithology	Drilling time in minutes 1 2 3 4 5 6 7 8 9	DEPTH	Sample Description	Remarks, drill stem tests, etc.
		2800		Mud System - Gel Chemical Mud-Co
		10	1m DBN FNXW Fass	
		20	Sh LT med soft	Slope Survey 237' 14"
		30	Sh LT-med gray FNXW	
		40	1m LT-dk brn FNXW Fass	
		50	Sh LT-med gray Calc in part	
		60	1m LT-dk brn FNXW Chalk in part	
		70	1m LT-dk brn-gray FNXW Sh Fass chalk in part	
		80	Sh gray	
		90	1m LT-med brn FNXW Slifoss Chalk in part	
		2850		
		10	1m LT-med brn FNXW Slifoss Chalk in part	
		20	Sh LT gray soft	
		30	1m LT-med brn FNXW Slifoss	
		40	1m LT-med brn FNXW Chalk in part	

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 5072

Date	Sec.	Twp.	Range	County	State	On Location	Finish
4-21-11				Ellis	Kansas		12:30 PM
Lease	Well No.		Location				
Barco	1		Victoria 1E 25				
Contractor	Owner			To Quality Oilwell Cementing, Inc.			
Southwind Drilling Rigs				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.			
Type Job	T.D.		Charge To				
Surface	237		TDI				
Hole Size	Depth		Street				
12 1/4	235						
Csg.	Depth		City				
8 3/8			State				
Tbg. Size	Depth		The above was done to satisfaction and supervision of owner agent or contractor.				
Tool	Displace		Cement Amount Ordered				
	14 BA		170 Com 3 1/2 2 1/2				
Cement Left in Csg.	Shoe Joint						
10-15							
Meas Line							

EQUIPMENT

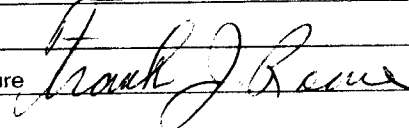
Pumptrk	No.	Cement	Common
9		Helper	170
Bulktrk	No.	Driver	Poz. Mix
8		Driver	
Bulktrk	No.	Driver	Gel.
		Driver	3

JOB SERVICES & REMARKS

Remarks:	Calcium
Rat Hole	Hulls
Mouse Hole	Salt
Centralizers	Flowseal
Baskets	Kol-Seal
D/V or Port Collar	Mud CLR 48
	CFL-117 or CD110 CAF 38
	Sand
	Handling
	179
	Mileage

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
	Baskets
	AFU Inserts
	Float Shoe
	Latch Down
	Storage
	Pumptrk Charge
	Surface
	Mileage
	12

X Signature 	Tax
	Discount
	Total Charge

QUALITY OILWELL CEMENTING, INC.

Federal Tax I.D.# 20-2886107

Phone 785-483-2025

Home Office P.O. Box 32 Russell, KS 67665

No. 4421

Cell 785-324-1041

Date	4-27-11	Sec.	20	Twp.	14	Range	16	County	Ellis	State	KS	On Location		Finish	10:30AM
Lease	Baier	Well No.	2		Location		Victoria E 2S E into								
Contractor	Southwind 2				Owner		To Quality Oilwell Cementing, Inc.								
Type Job	PTA				You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.										
Hole Size	7 7/8		T.D.		3540'										
Csg.	4 1/2 x-hole		Depth		Charge To		T D I INC.								
Tbg. Size			Depth		Street										
Tool			Depth		City		State								
Cement Left in Csg.			Shoe Joint		The above was done to satisfaction and supervision of owner agent or contractor.										
Meas Line			Displace		Cement Amount Ordered		215 60/40 4% gel 4lb Flo								

EQUIPMENT

Pumptrk	9	No.	Cementer	Brandon		Common	129									
			Helper													
Bulktrk	8	No.	Driver	Paul		Poz. Mix	86									
			Driver													
Bulktrk	Py	No.	Driver	Cory		Gel.	8									
			Driver													

JOB SERVICES & REMARKS

Remarks:	Hulls
Rat Hole	Salt
Mouse Hole	Flowseal 50#
Centralizers	Kol-Seal
Baskets	Mud CLR 48
D/V or Port Collar	CFL-117 or CD110 CAF 38
1st 25sx at 3380'	Sand
2nd 25sx at 1042'	Handling 223
3rd 70sx at 406'	Mileage
4th 40sx at 286'	
5th 10sx at 40'	

FLOAT EQUIPMENT

	Guide Shoe
	Centralizer
30sx R/H	Baskets
15sx M/H	AFU Inserts
	Float Shoe
	Latch Down
	1-8 5/8 Dry hole plug
	Pumptrk Charge plug
	Mileage 12

Thank You

X Signature	Frank Rience	Tax	
		Discount	
		Total Charge	

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/>

Thomas E. Wright, Chairman
Ward Loyd, Commissioner

Corporation Commission

Sam Brownback, Governor

May 31, 2011

Tom Denning
TDI, Inc.
1310 BISON RD
HAYS, KS 67601-9696

Re: ACO1
API 15-051-26098-00-00
Baier 1
NW/4 Sec.20-14S-16W
Ellis 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,
Tom Denning