

PIONEER
Pioneer Energy Services

**MICRORESISTIVITY
LOG**

Company MIKE KELSO OIL, INC. Well SCHROEDER B NO.3 Field STOLTENBERG County ELLSWORTH State KANSAS		Company MIKE KELSO OIL, INC. Well SCHROEDER B NO.3 Field STOLTENBERG County ELLSWORTH State KANSAS	
Location: API #: 15-053-21,335-00-00 1720' FNL & 330' FWL SEC 29 TWP 17S RGE 9W		Other Services CNL/CDL DIL	
Permanent Datum	GROUND LEVEL	Elevation	1751
Log Measured From	KELLY BUSHING	K.B.	1756
Drilling Measured From	KELLY BUSHING	D.F.	N/A
		G.L.	1751
Date	8/6/2015		
Run Number	ONE		
Depth Driller	3295		
Depth Logger	3293		
Bottom Logged Interval	3292		
Top Log Interval	2400		
Casing Driller	8,625 @ 448		
Casing Logger	448		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL		
Salinity, ppm CL	7,600		
Density / Viscosity	9.2	41	
pH / Fluid Loss	8.5	12.8	
Source of Sample	Flowline		
Rm @ Meas. Temp	.55 @ 65		
Rmt @ Meas. Temp	.41 @ 65		
Rmc @ Meas. Temp	.74 @ 65		
Source of Rmt / Rmc	Charts		
Rm @ BHT	.33 @ 109		
Operating Rig Time	2 1/2 HOURS		
Max Rec. Temp. F	109		
Equipment Number	91		
Location	Hays		
Recorded By	C. DESAIRE		
Witnessed By	MIKE KELSO		
	D. SCHMIDT		
	JERRY GREEN		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

HWY 4 AND CHASE BLKTOP,
2 N, E INTO

Log Measured From: KELLY BUSHING

5 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES

www.pioneerres.com

785-625-3858

Your Pioneer Energy Services Crew

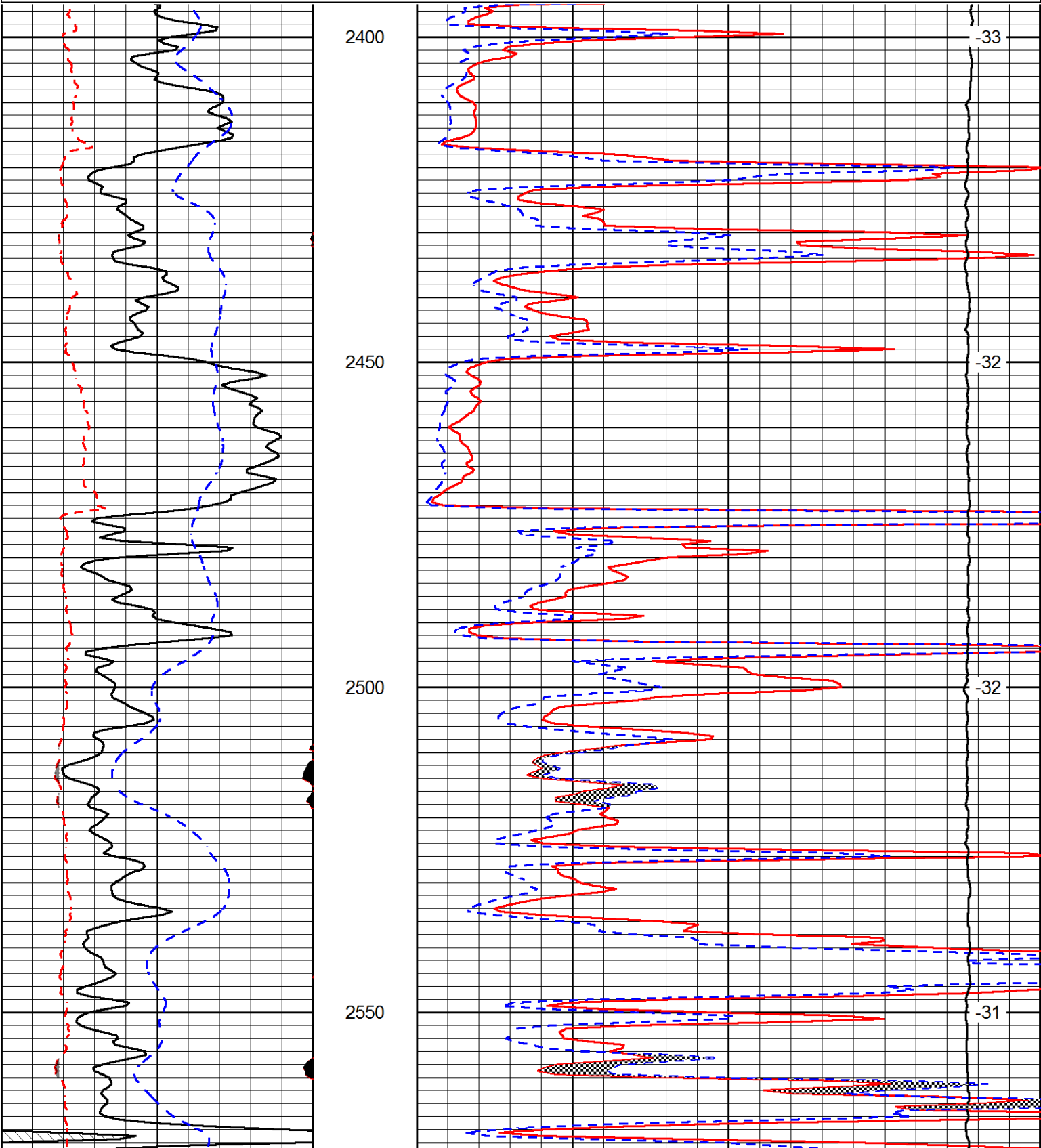
Engineer: C. DESAIRE
Operator: D. SCHMIDT
Operator:
Operator:

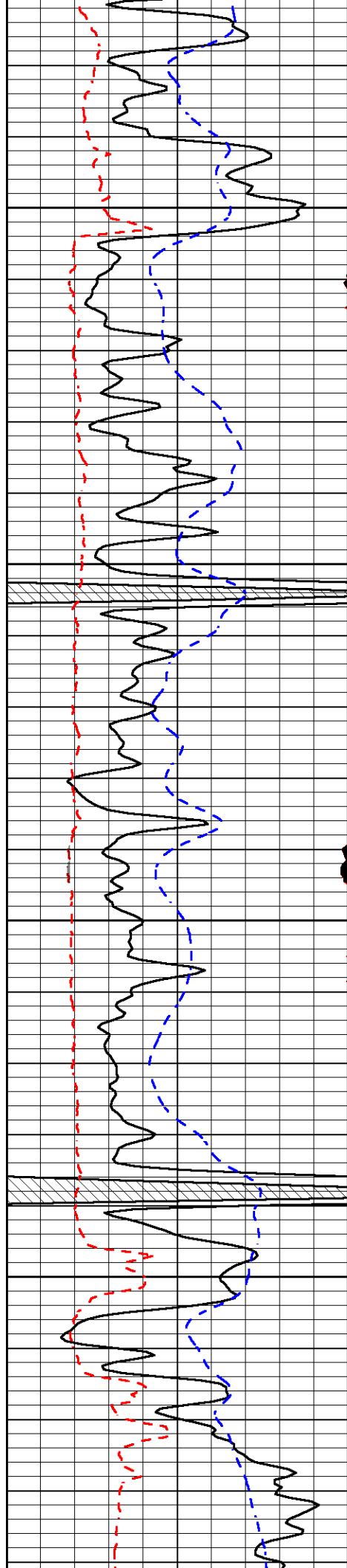
This Log Record Was Witnessed By

Primary Witness: MIKE KELSO
Secondary Witness: JERRY GREEN
Secondary Witness:
Secondary Witness:

Database File	mkhd.db
Dataset Pathname	DIL/mkstk
Presentation Format	micro
Dataset Creation	Thu Aug 06 03:16:26 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	0	Micro Inverese 1 X 1 (Ohm-m)	40
6	MCAL (in)	16	0	Micro Normal 2" (Ohm-m)	40
2.875	Mud Cake (in)	7.875	10000	Line Weight (lb)	0
-200	SP (mV)	0			LSPD (ft/min)



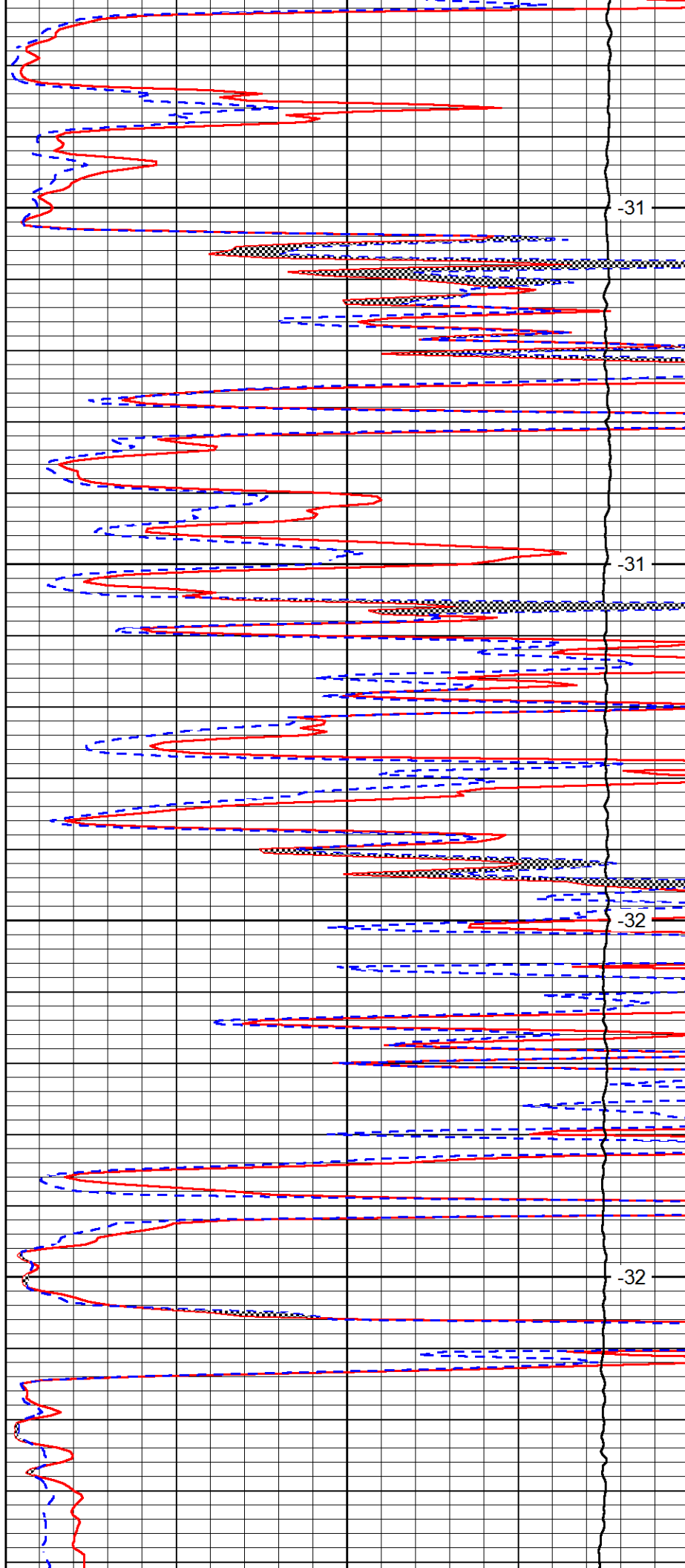


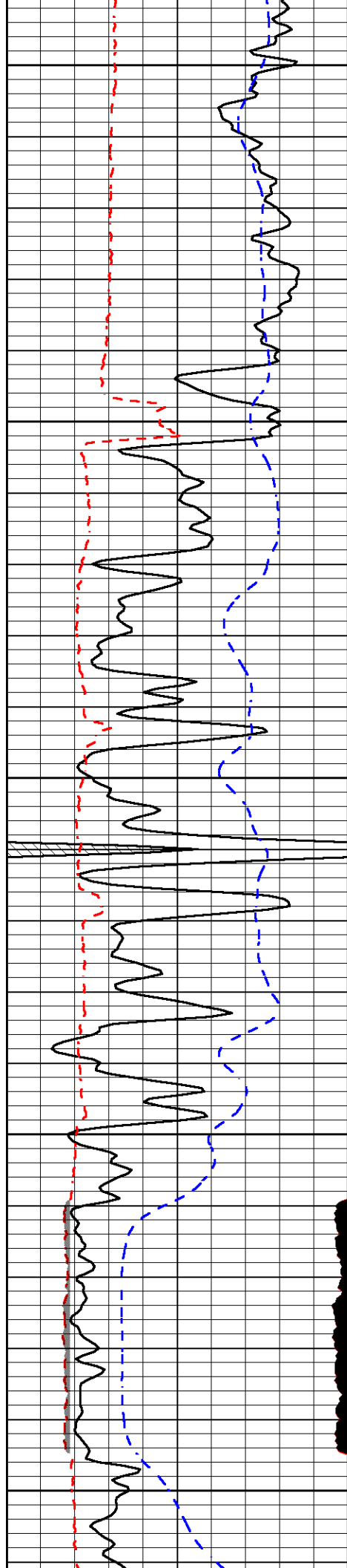
2600

2650

2700

2750





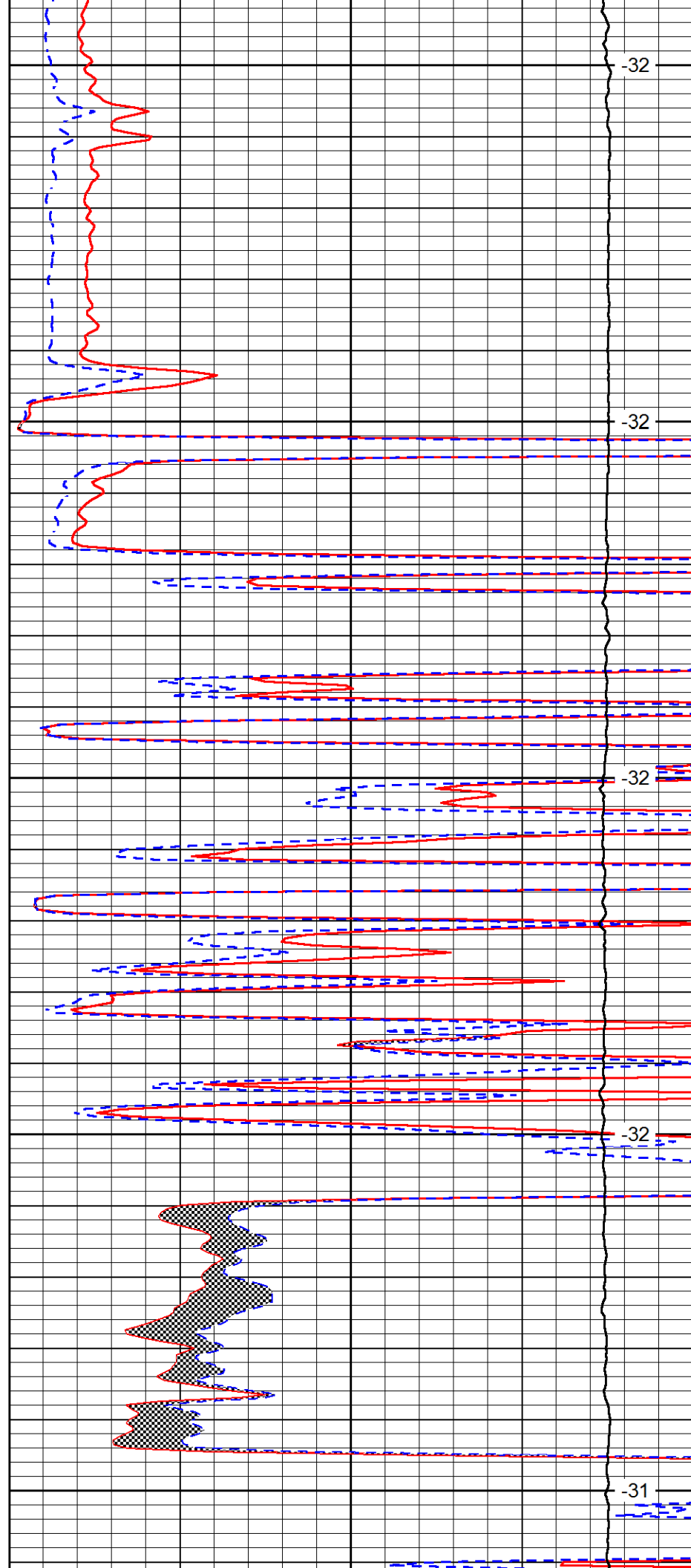
2800

2850

2900

2950

3000



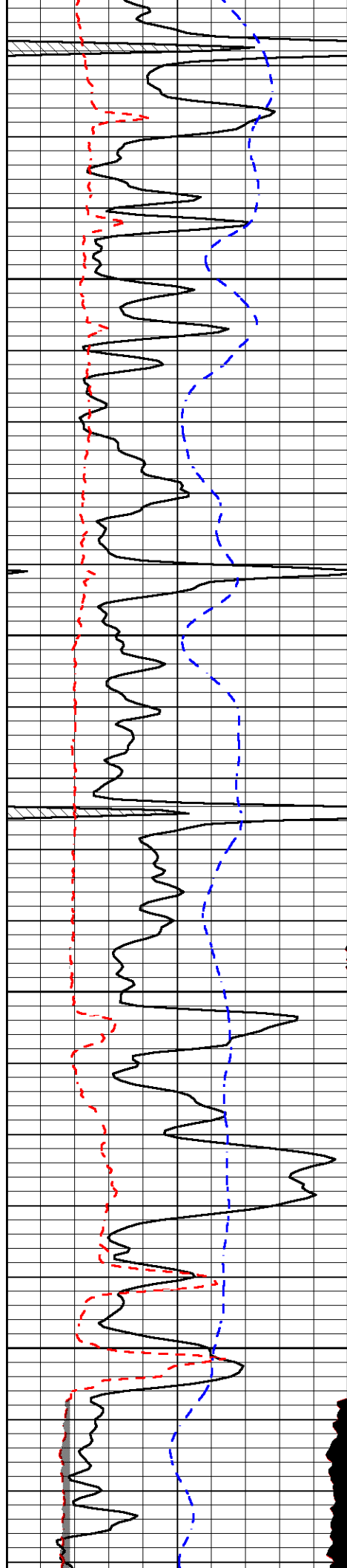
-32

-32

-32

-32

-31

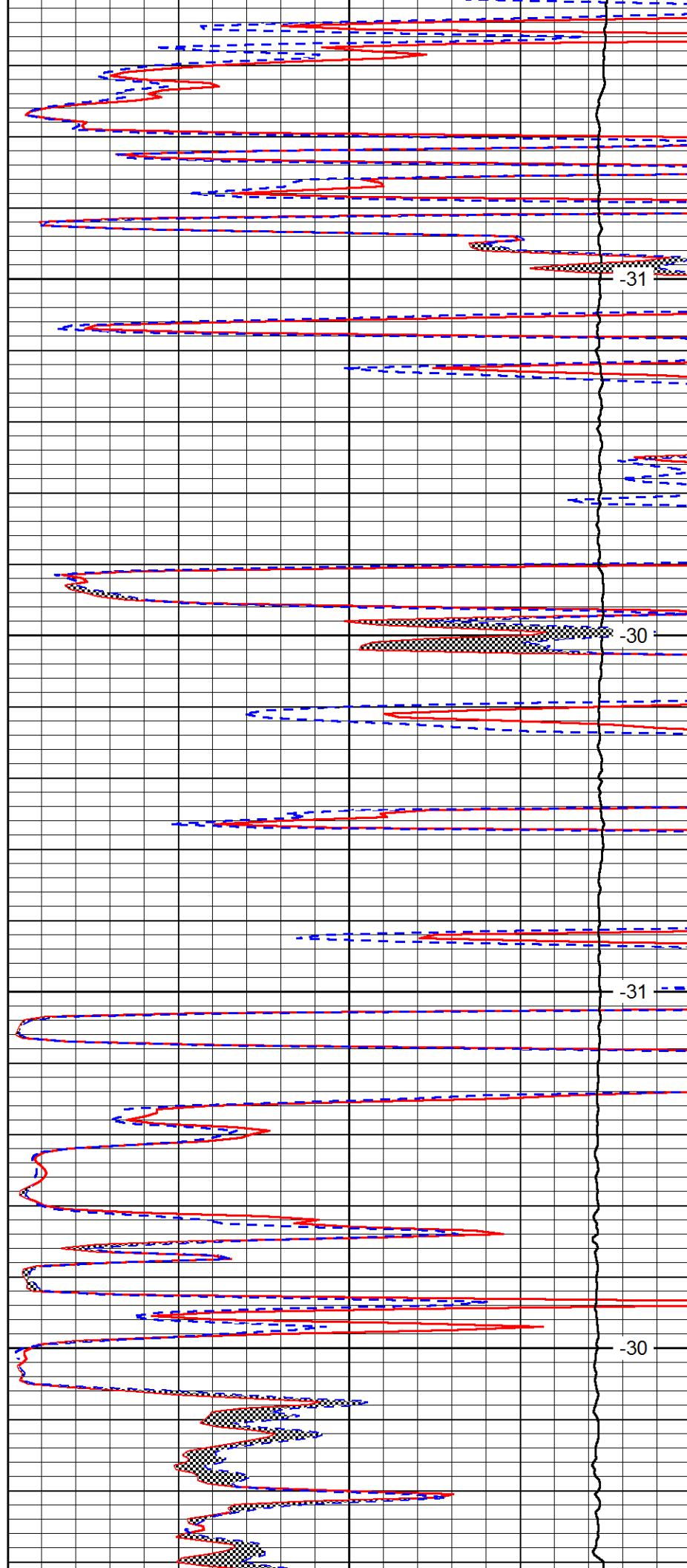


3050

3100

3150

3200

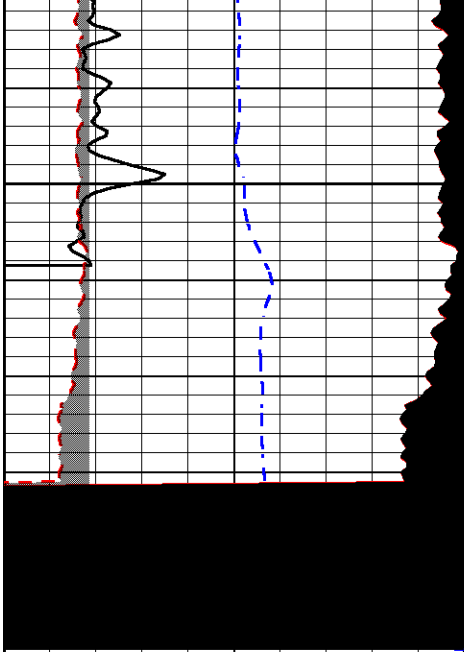


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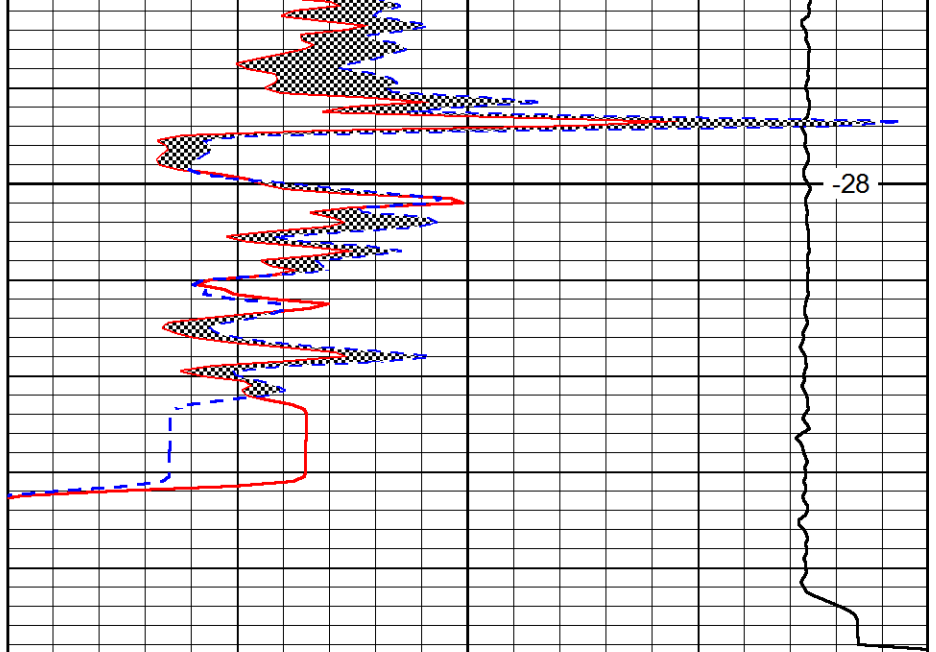
-31

-30



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

3250



0	Micro Inverse 1 X 1 (Ohm-m)	40
0	Micro Normal 2" (Ohm-m)	40
10000	Line Weight (lb)	0

LSPD
(ft/min)