



Microresistivity Log

Pioneer Energy Services

API No.

15-167-23,935-00-00

Company Yale Oil Association, Inc.

Well Bogacz Smith No. 1-30

Field Trapp

County Russell

State

Kansas

Location

1,980' FSL & 1,980' FWL

Sec: 30

Twp: 15S

Rge: 13W

Elevation

Permanent Datum Ground Level

Kelly Bushing

Elevation 1835

K.B. 1845

D.F. 1835

Log Measured From Kelly Bushing

10

Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

10

Ft. Above Perm. Datum

Top Log Interval

2700

Casing Driller

8.625 @ 420

Casing Logger

418

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6200

Density / Viscosity

9.1

48

pH / Fluid Loss

9.0

7.6

Source of Sample

Flowline

Rm @ Meas. Temp

.36 @ 58

Rmf @ Meas. Temp

.27 @ 58

Rmc @ Meas. Temp

.49 @ 58

Source of Rmf / Rmc

Charts

Rm @ BHT

.19 @ 109

Operating Rig Time

3 1/2 Hours

Max Rec. Temp. F

109

Equipment Number

108

Location

Hays

Recorded By

J. Long

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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

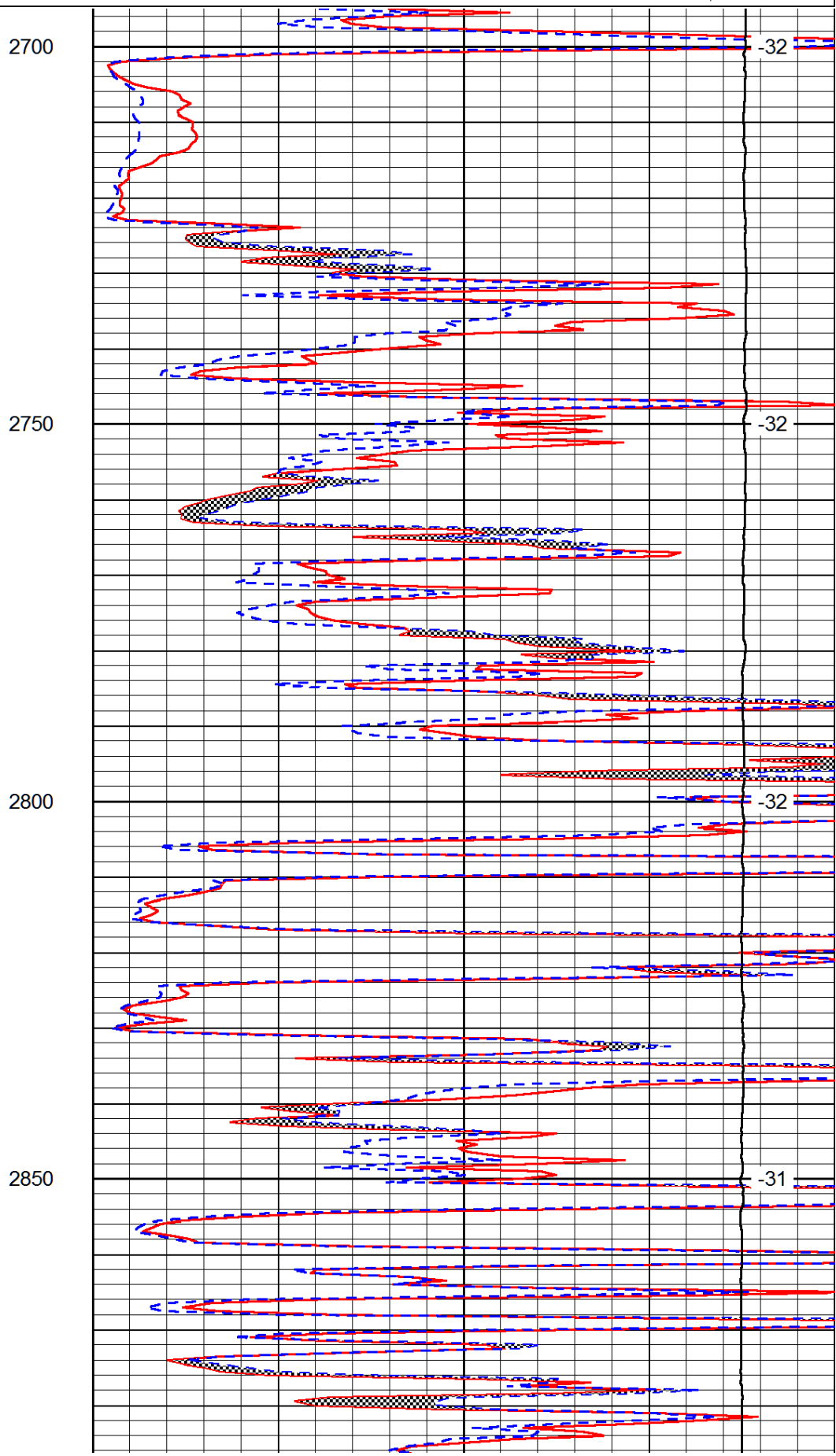
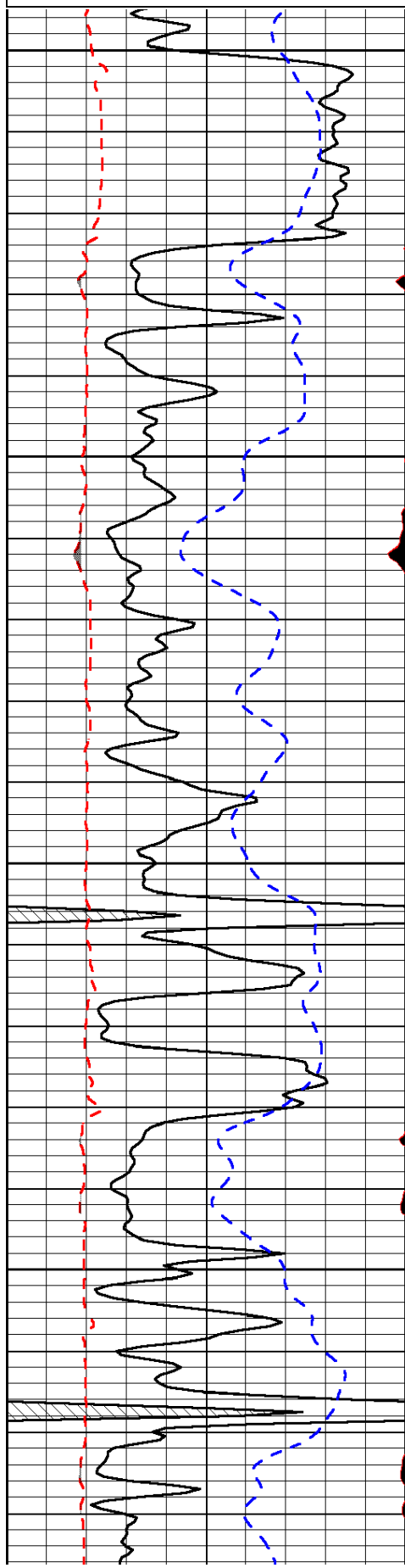
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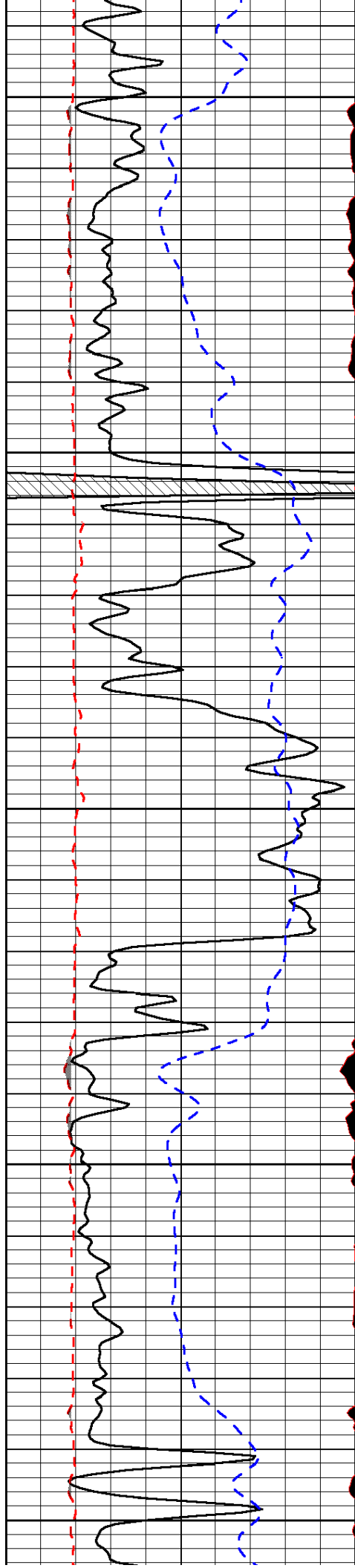
Russell, 10 1/2 South to Michaelis Road, 2 East, 1/3 North, West Into

Database File: yaleoil_bogaczsmith_1-30hd.db
Dataset Pathname: dil/yalestck
Presentation Format: micro
Dataset Creation: Mon Jan 13 20:29:31 2014
Charted by: Depth in Feet scaled 1:240

Charted by: _____ Depth in Feet scaled 1:210		
0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

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





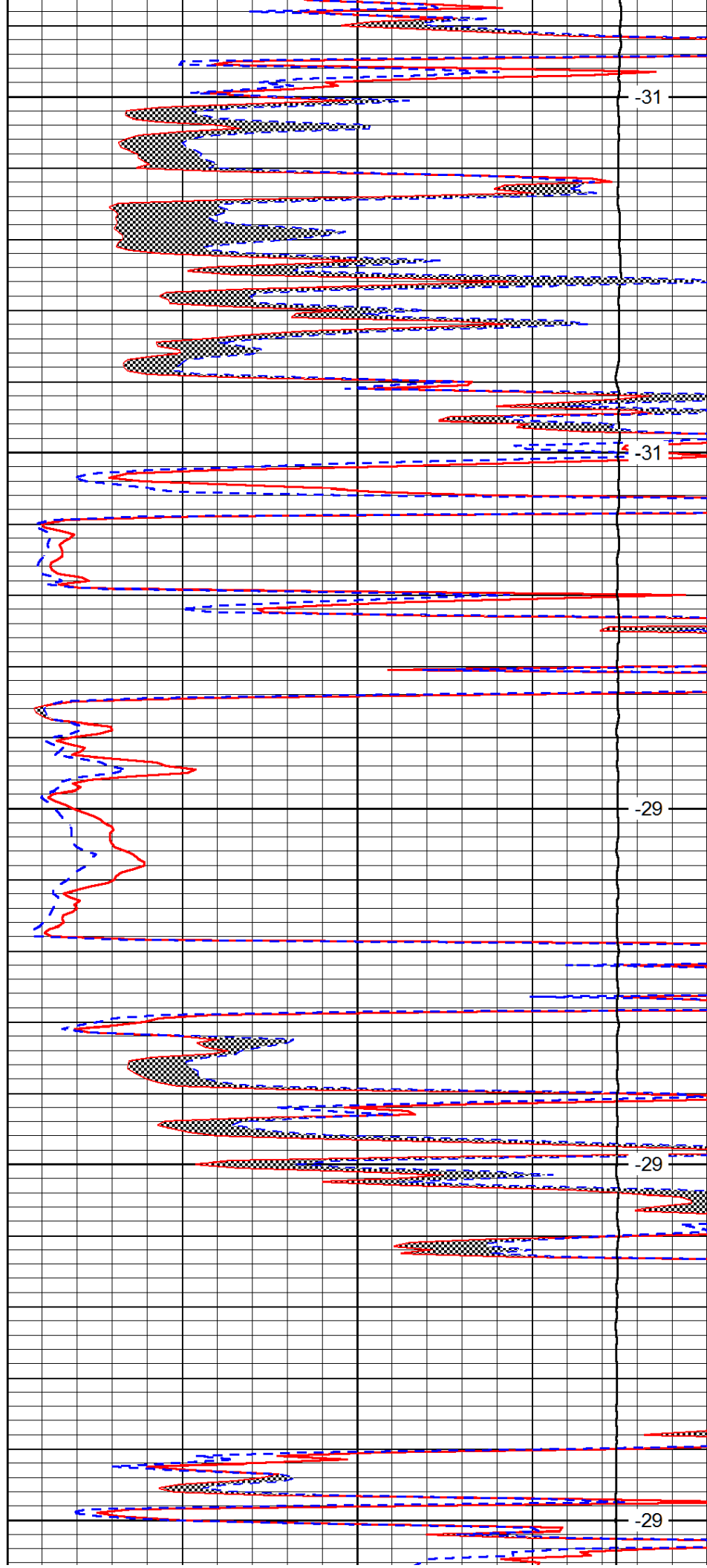
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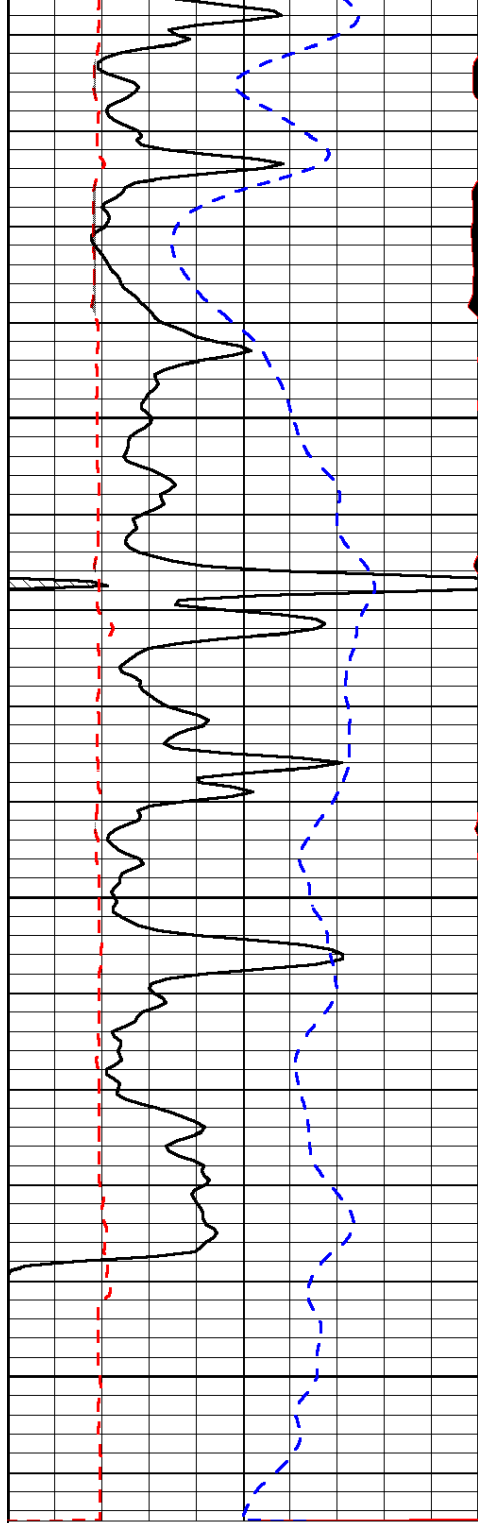
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3000

3050

3100



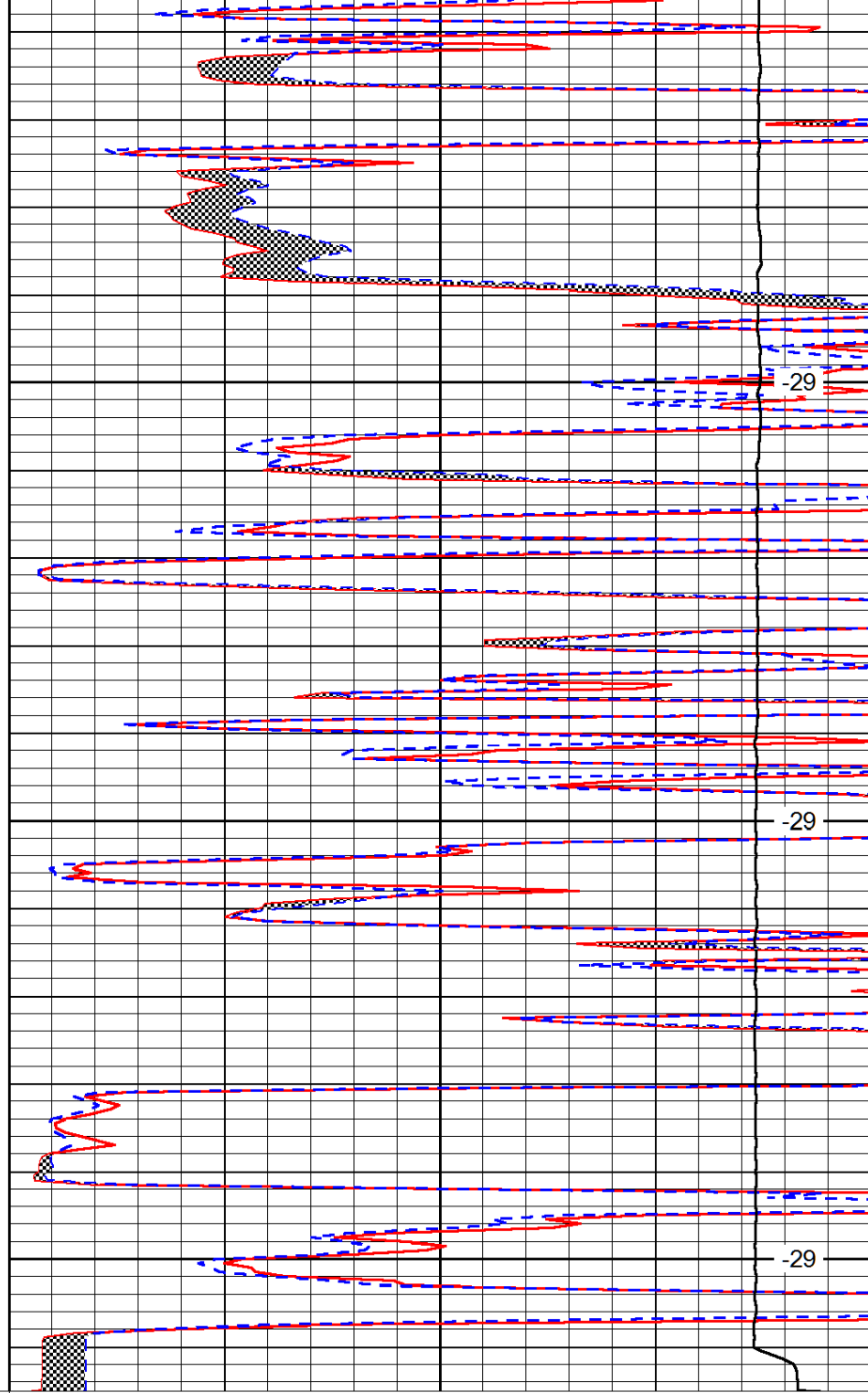


0	Gamma Ray (GAPI)	150
6	MCAL (in)	16
2.875	Mud Cake (in)	7.875
-200	SP (mV)	0

3150

3200

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)