



PIONEER

Pioneer Energy Services

Microresistivity Log

API No.

15-165-22,104-00-00

Company Southwind Petroleum Corporation

Well Dirks #27-2

Field Ryan

County Rush

State

Kansas

Location 1650' FNL & 430 FEL

Sec: 27

Twp: 19S

Rge: 16W

Elevation

Permanent Datum Ground Level Elevation 2033
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2038
D.F.
G.L. 2033

Date

1/15/2015

Run Number

Two

Depth Driller

3900

Depth Logger

3894

Bottom Logged Interval

3893

Top Log Interval

2900

Casing Driller

8.625 @ 1089

Casing Logger

1088

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

6000

Density / Viscosity

9.1 49

pH / Fluid Loss

10.5 8.8

Source of Sample

Flowline

Rm @ Meas. Temp

0.30 @ 64

Rmf @ Meas. Temp

0.23 @ 64

Rmc @ Meas. Temp

0.41 @ 64

Source of Rmf / Rmc

Charts

Rm @ BHT

0.17 @ 115

Operating Rig Time

4 Hours

Max Rec. Temp. F

115

Equipment Number

15

Location

Hays

Recorded By

D.Kerr

D.Rupp

Witnessed By

Bob Williams

<<< 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.

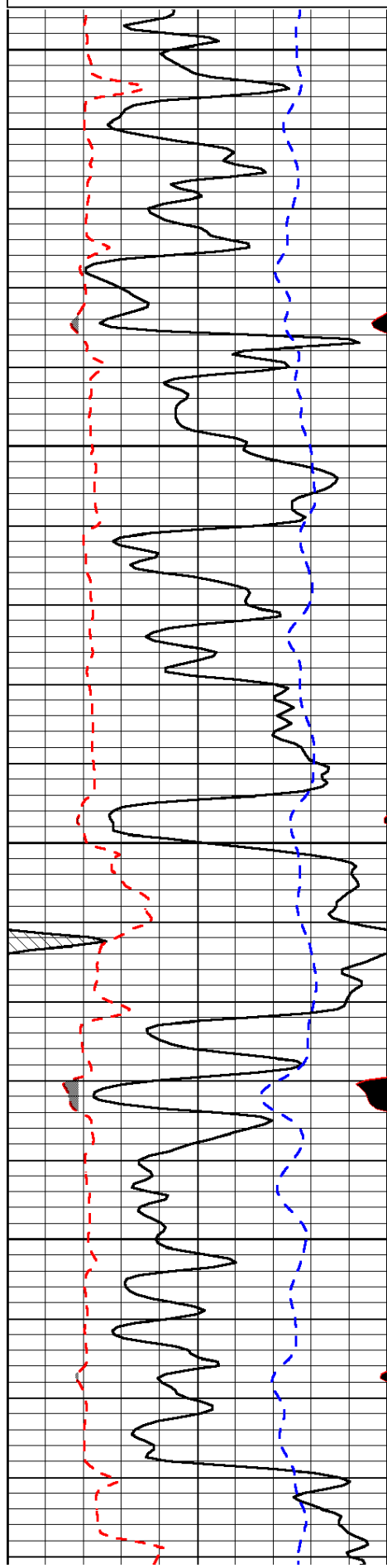
Comments

Thank you for using Log-Tech, Inc.
(785) 625-3858

Albert KS, 7 South to W Barton County RD,
3 West, 1/2 North, West into

Database File: southwindpet_dirks_27_2hd.db
Dataset Pathname: DIL/swpstk
Presentation Format: micro
Dataset Creation: Thu Jan 15 18:00:50 2015
Charted by: Depth in Feet scaled 1:240

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



2900

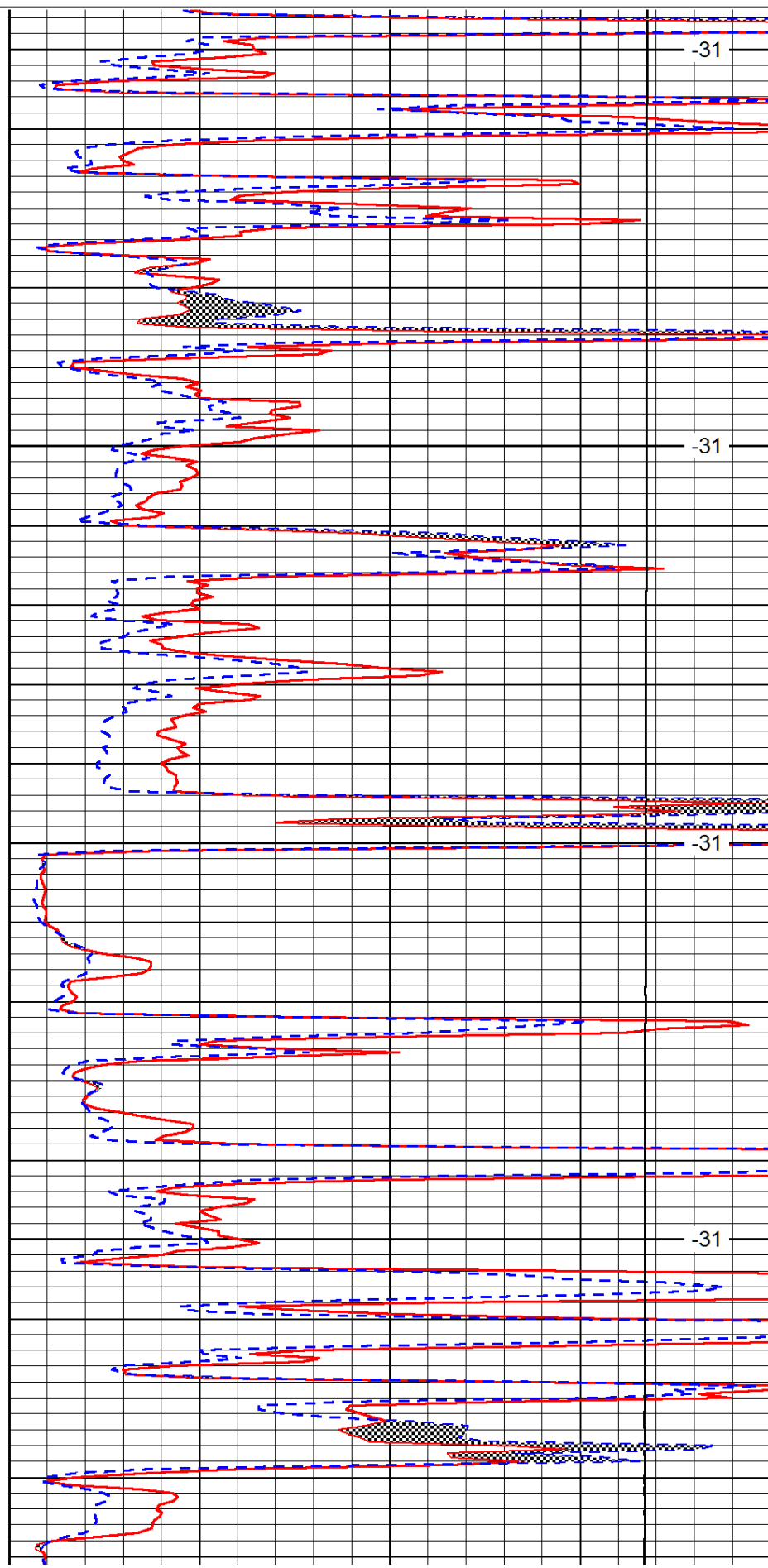
2950

3000

3050

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

LSPD

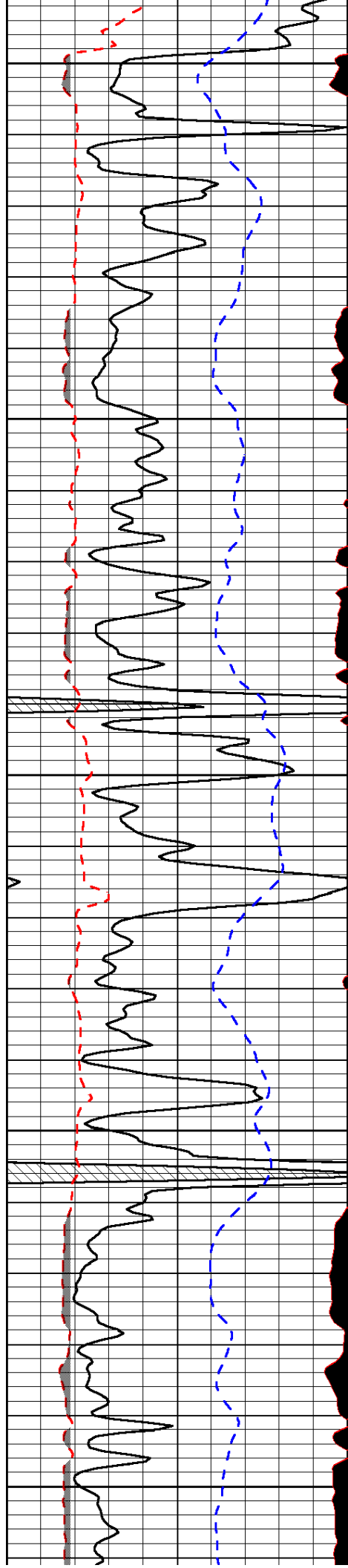


-31

-31

-31

-31



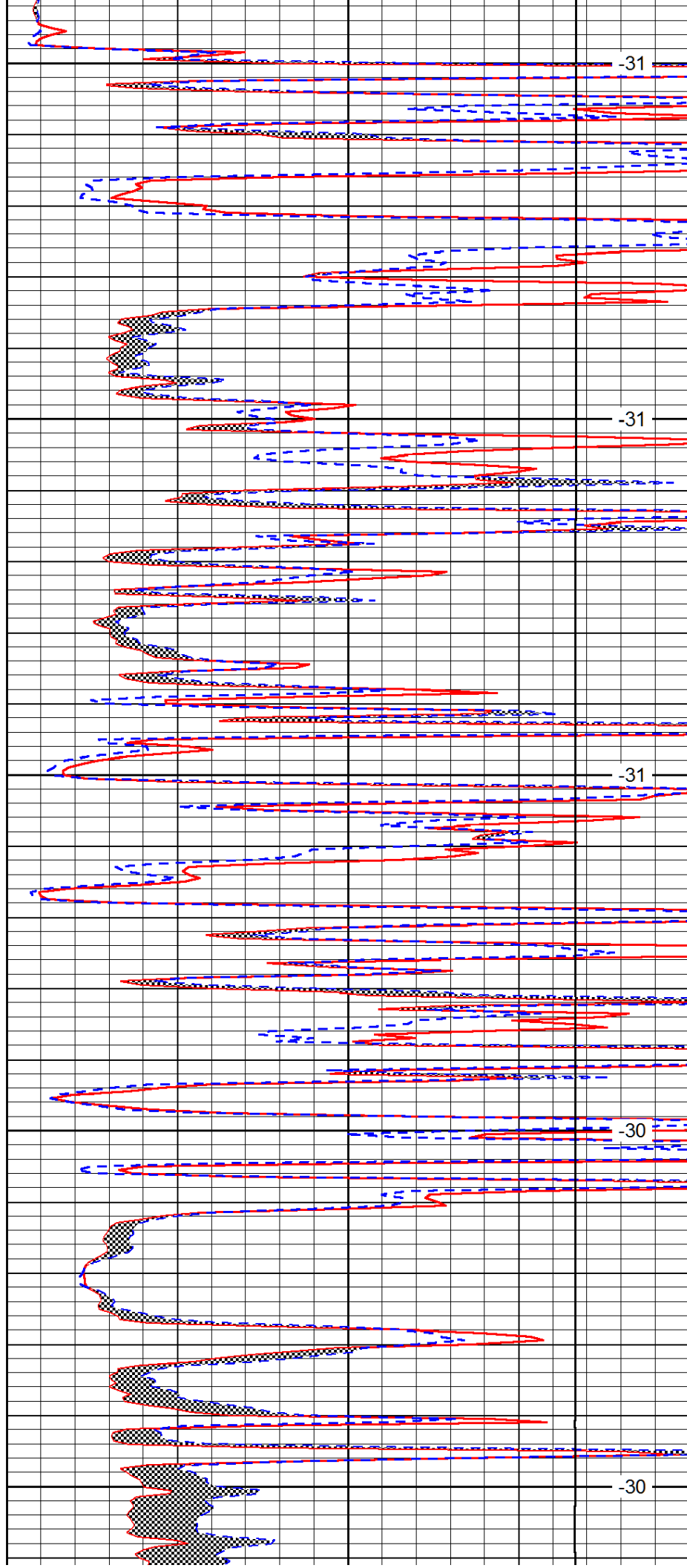
3100

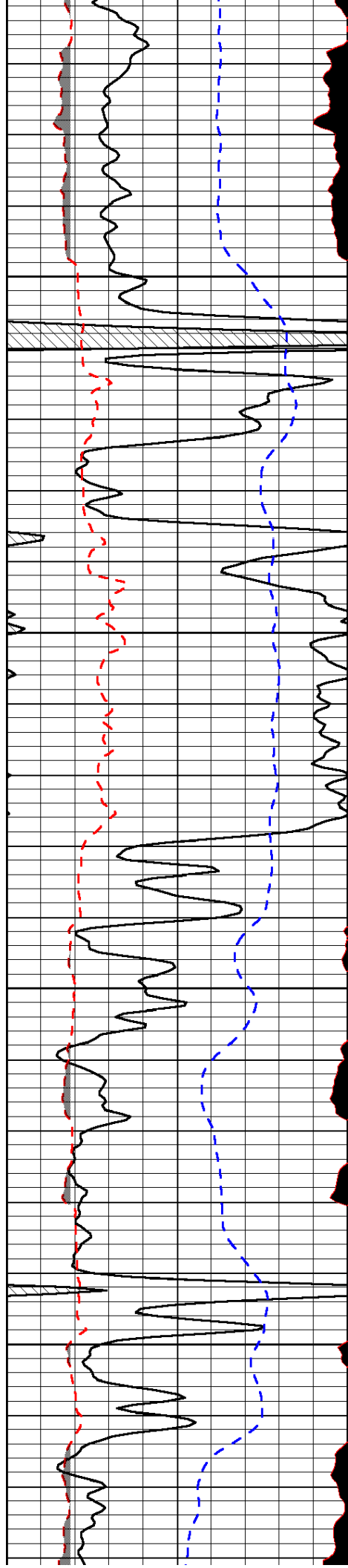
3150

3200

3250

3300



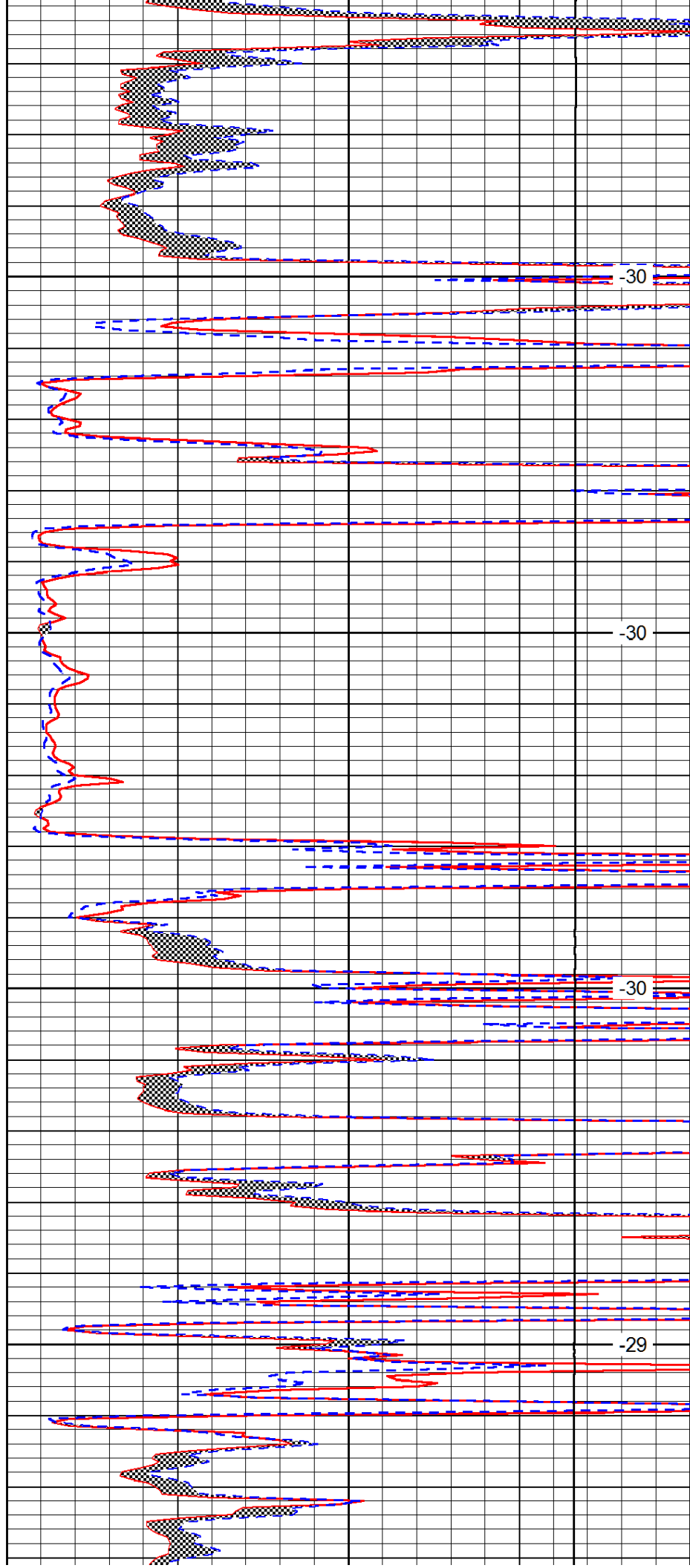


3350

3400

3450

3500

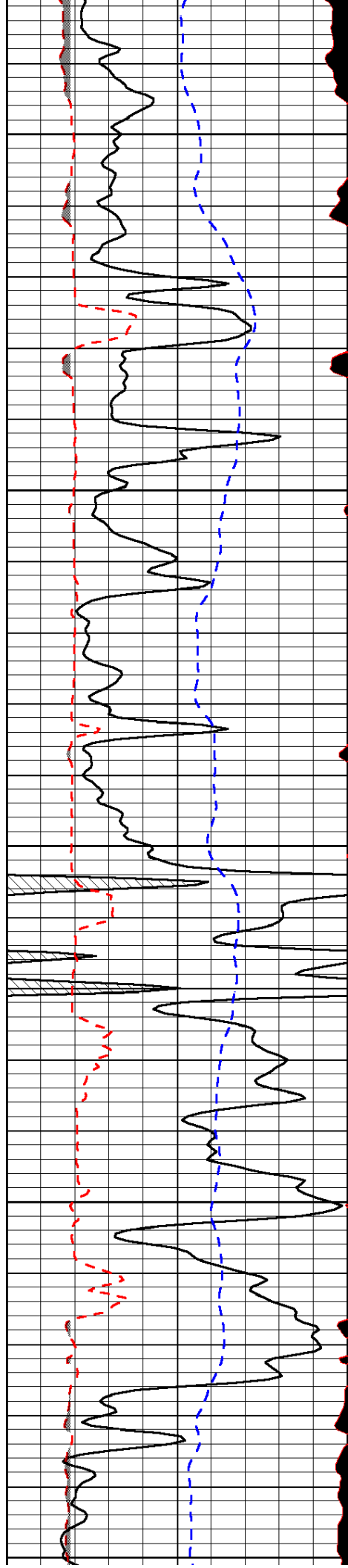


-30

-30

-30

-29



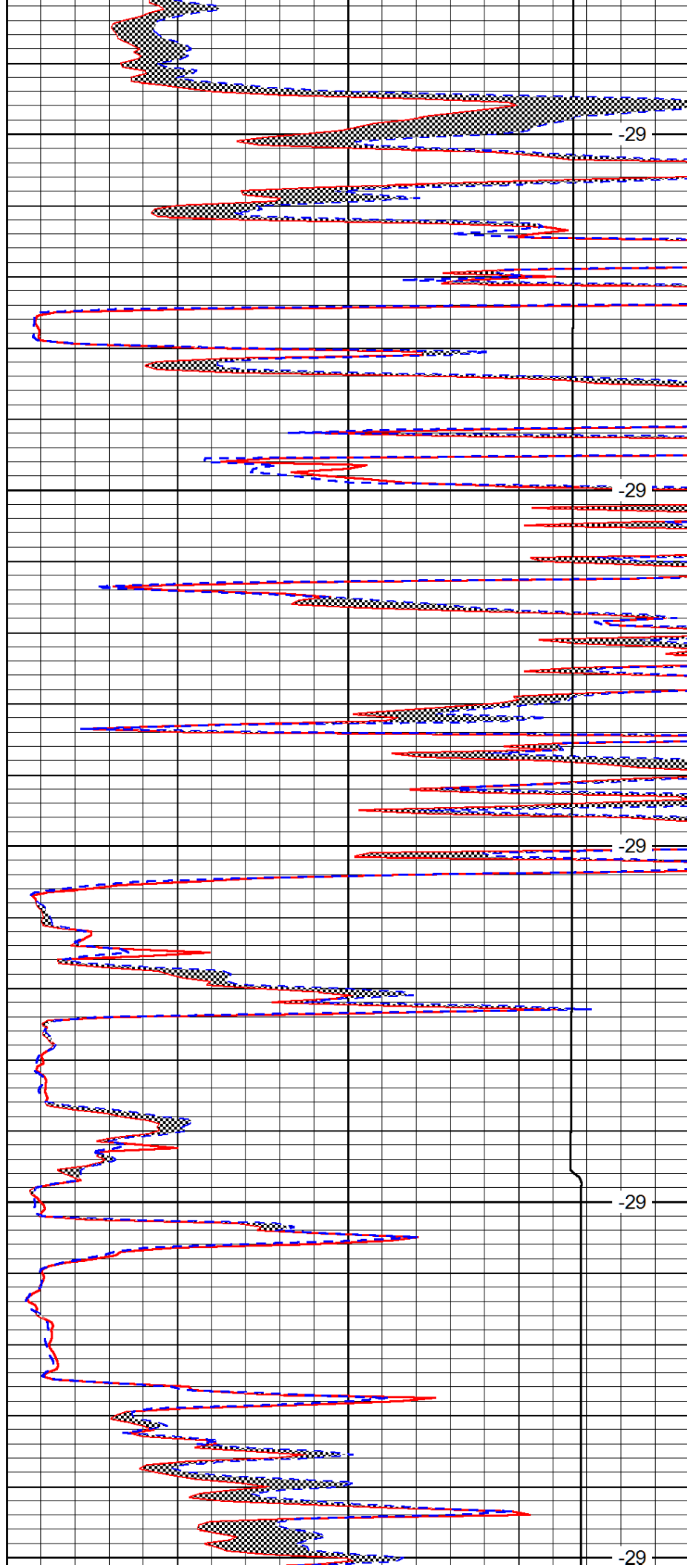
3550

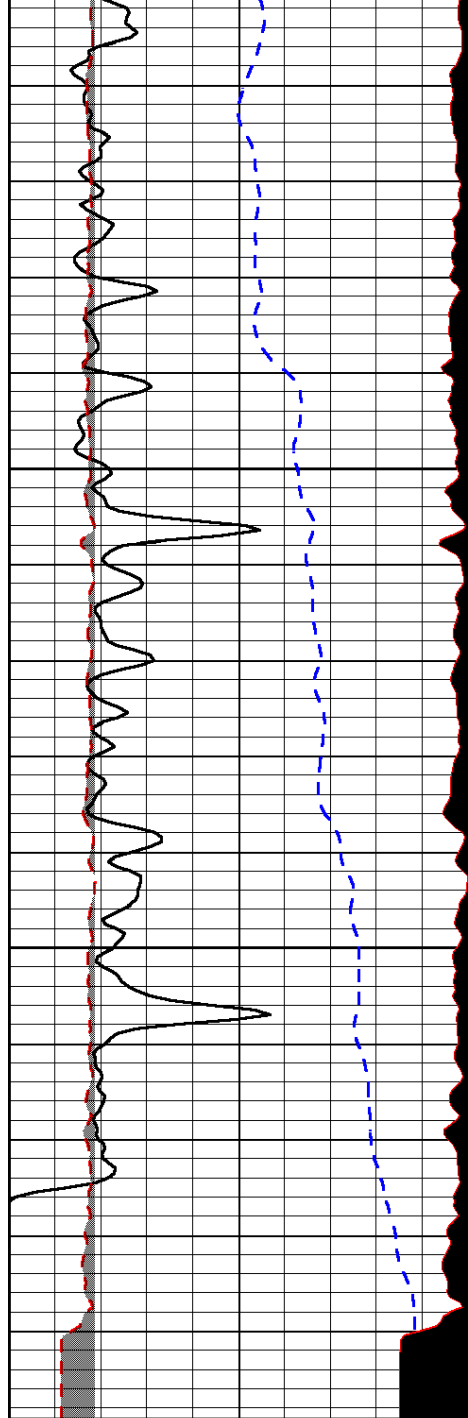
3600

3650

3700

3750

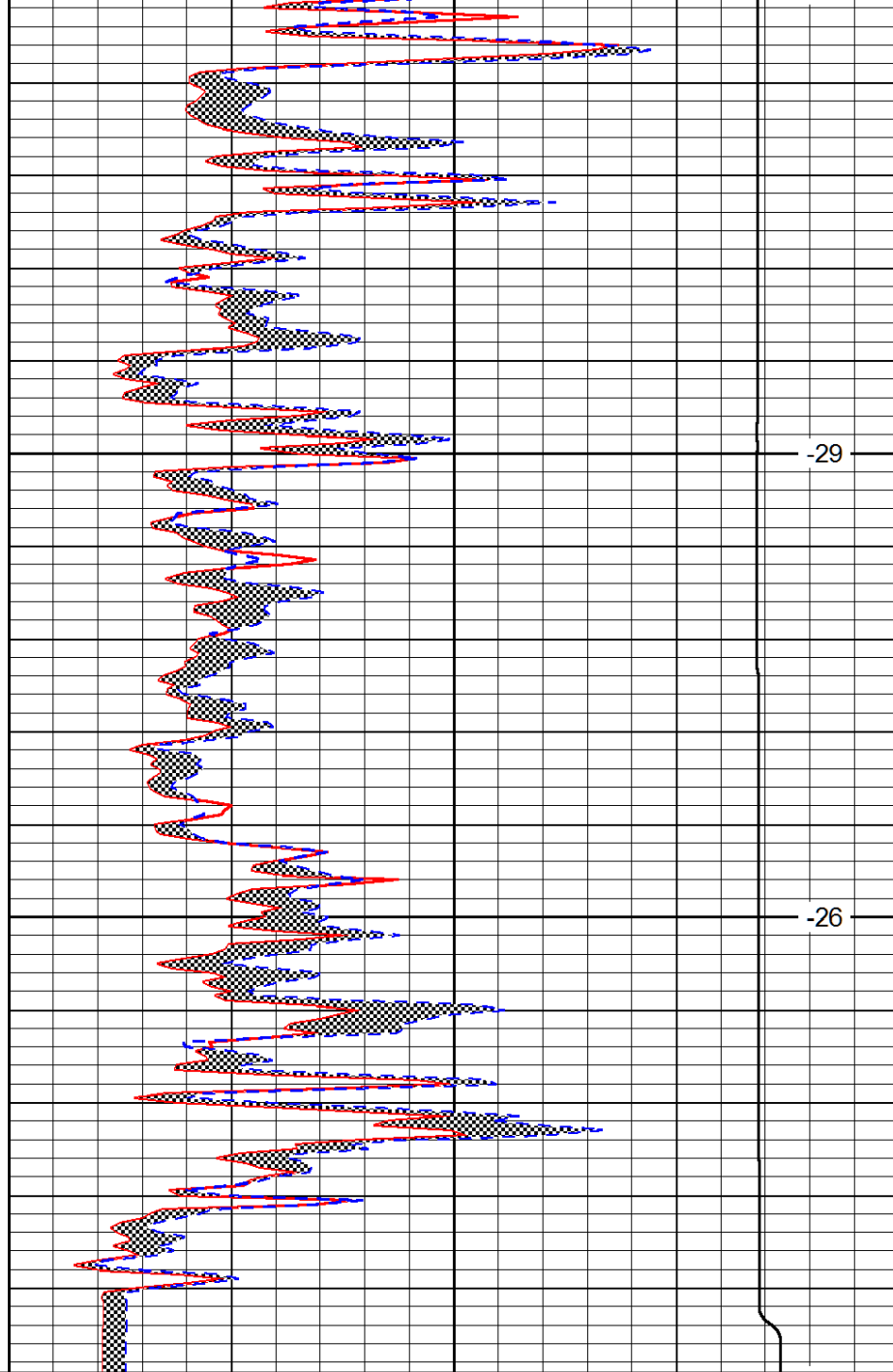




0	Gamma Ray	150
6	MCAL (GAPI)	16
2.875	Mud Cake (GAPI)	7.875
-200	SP (mV)	0

3800

3850



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

LSPD