



Microresistivity Log

Pioneer Energy Services

API No.

15-063-22,076-00-00

Company H & C Oil Operating, Inc.

Well Herl #27-2

Field Wildcat

County Gove State

Kansas

Location

460' FNL & 470' FEL

Other Services
CNL/CDL
DIL

Sec: 27

Twp: 13 S

Rge: 26 W

Elevation

K.B. 2392
D.F. 2381
G.L. 2381

Permanent Datum Ground Level
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing

11 Ft. Above Perm. Datum

Date

2/6/2013

Run Number

Two

Depth Driller

4290

Depth Logger

4289

Bottom Logged Interval

4288

Top Log Interval

3500

Casing Driller

8.625 @ 270

Casing Logger

262

Bit Size

7.875

Type Fluid in Hole

Chemical

Salinity, ppm CL

2000

Density / Viscosity

9.3 52

pH / Fluid Loss

9.5 8.0

Source of Sample

Flowline

Rm @ Meas. Temp

.70 @ 55

Rmf @ Meas. Temp

.53 @ 55

Rmc @ Meas. Temp

.95 @ 55

Source of Rmf / Rmc

Charts

Rm @ BHT

.32 @ 119

Operating Rig Time

4 Hours

Max Rec. Temp. F

119

Equipment Number

15

Location

Hays

Recorded By

D. Martin

Witnessed By

Marc Downing

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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.

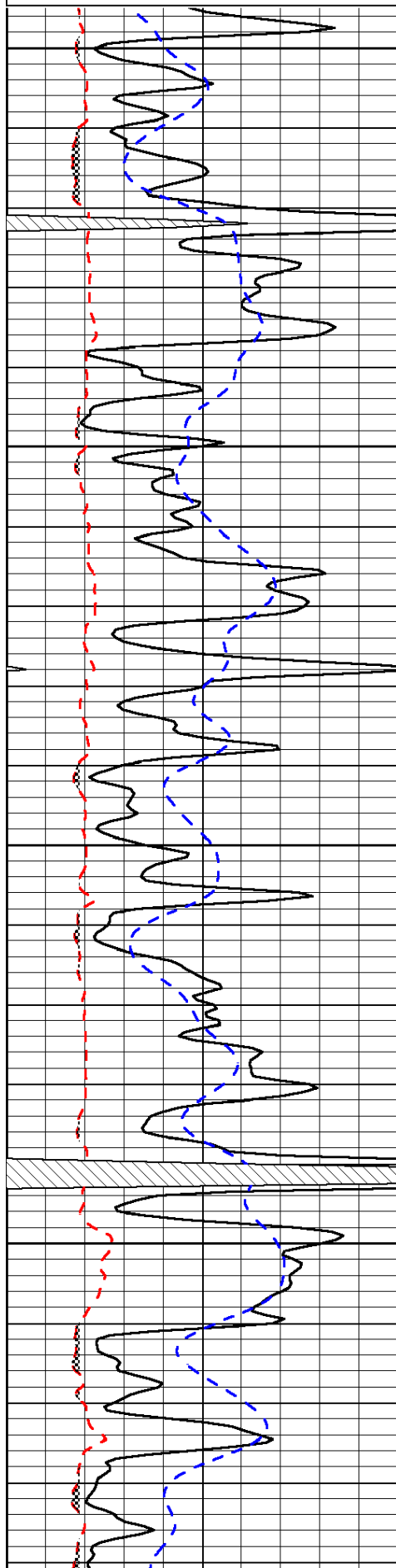
Comments

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

Collyer, KS
8 1/2 S, 4 W, S Into

Database File: c:\warrior\data\h&c_herl #27-2\h&chd.db
Dataset Pathname: DIL\hcsk
Presentation Format: micro
Dataset Creation: Wed Feb 06 11:30:15 2013
Charted by: Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:2.15		
0	Gamma Ray	150
6	Micro Log Caliper (GAPI)	16
-200	SP (mV)	0



3500

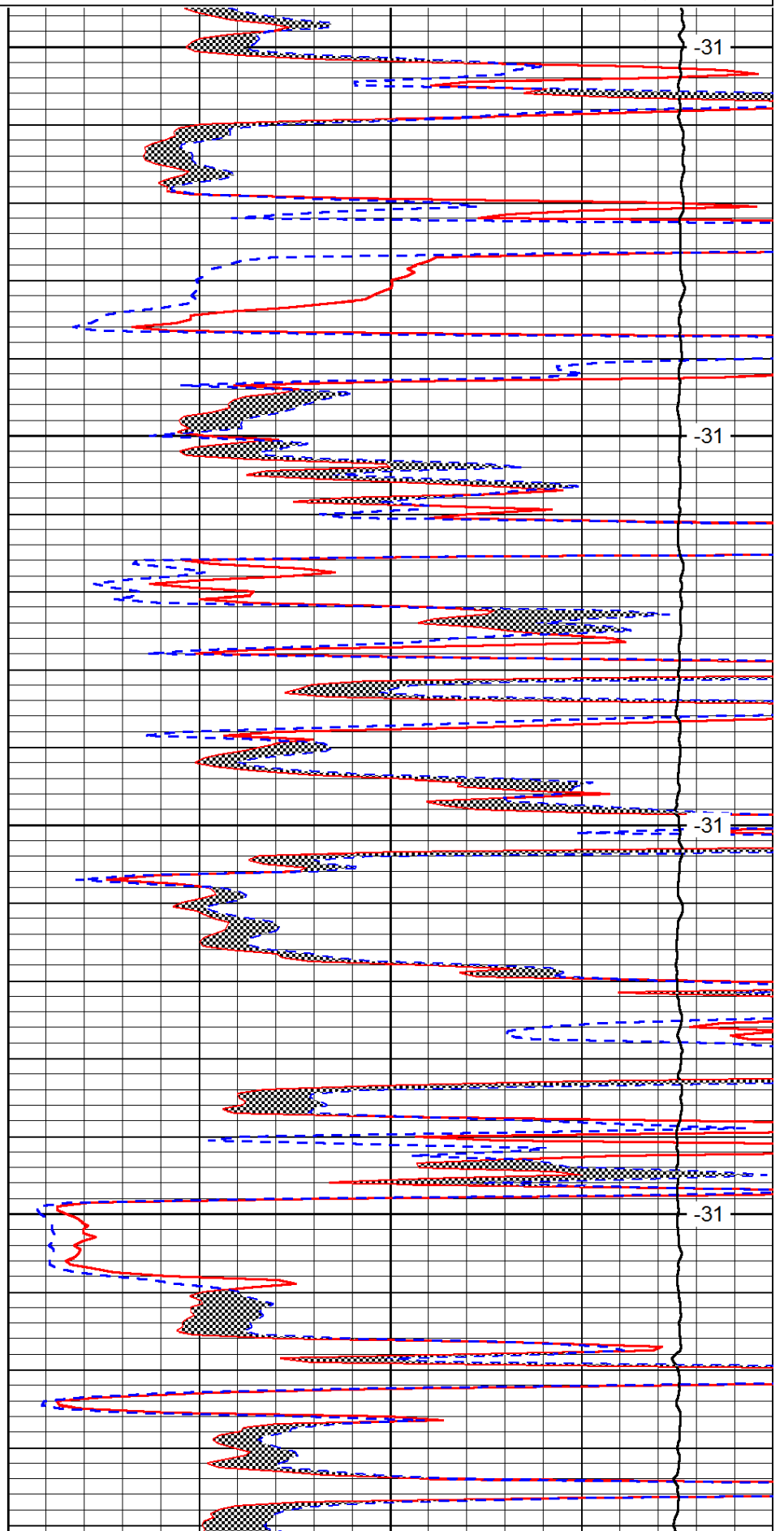
3550

3600

3650

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

LSPD

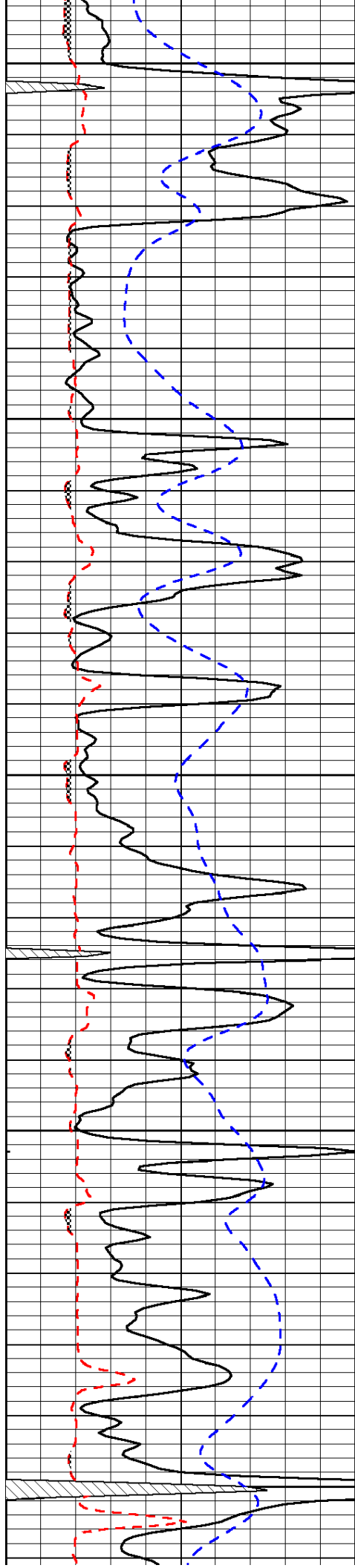


-31

-31

-31

-31



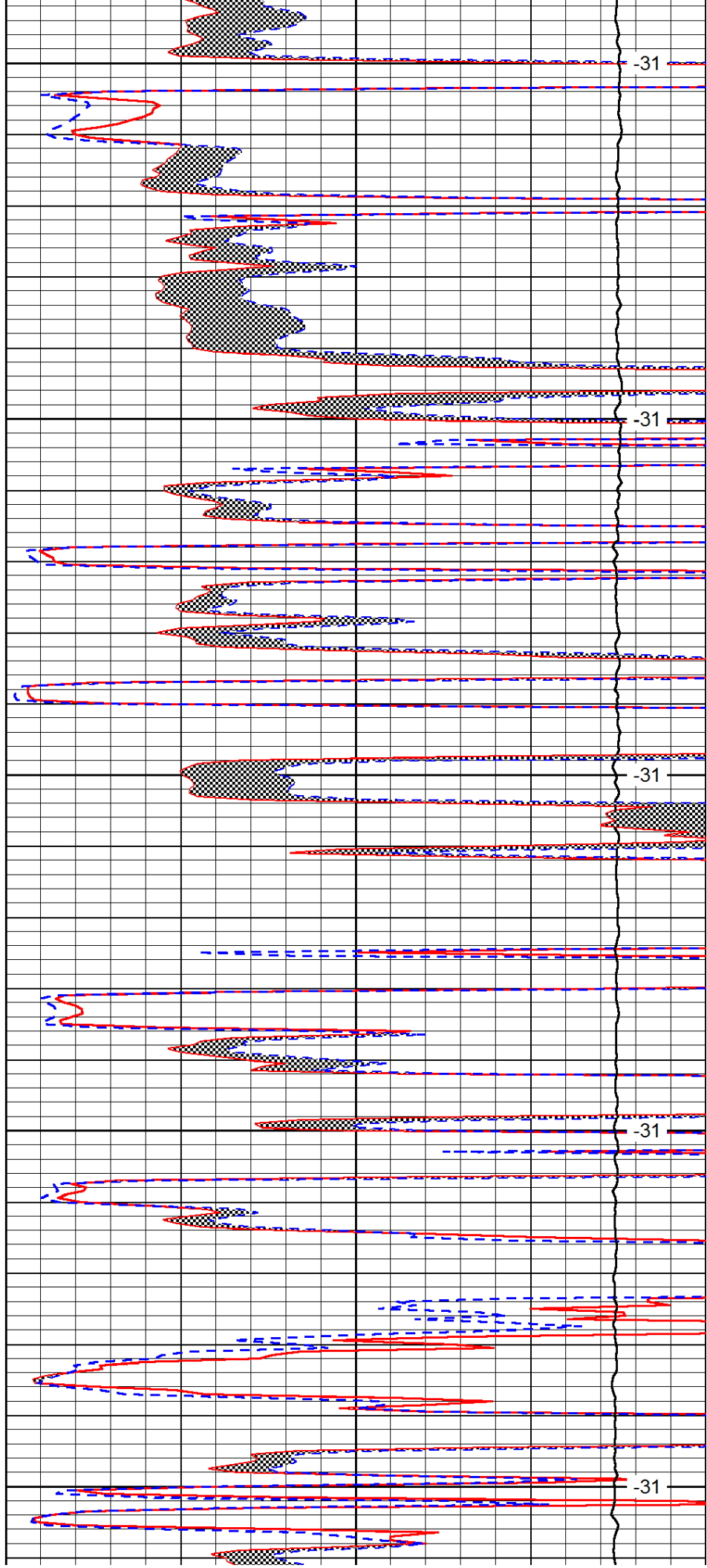
3700

3750

3800

3850

3900



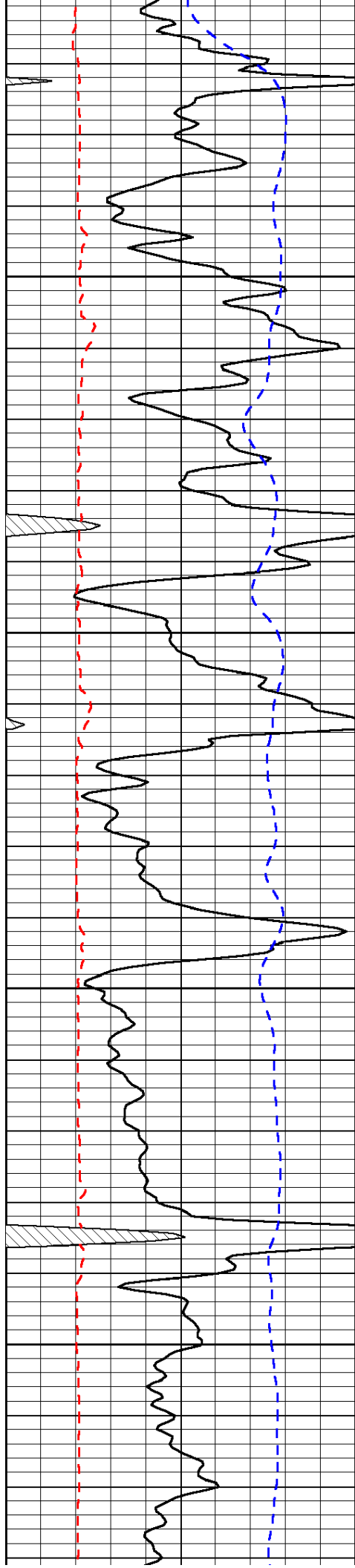
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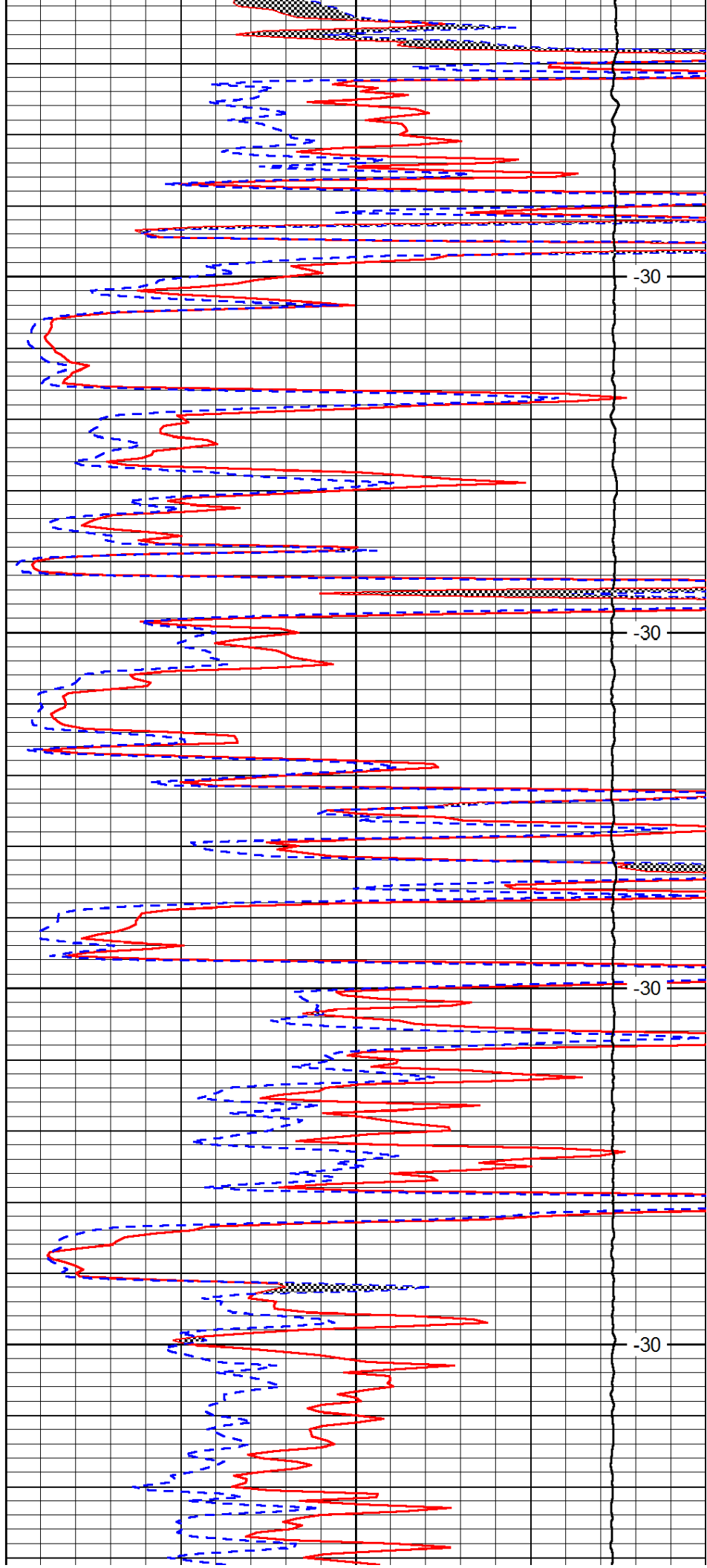


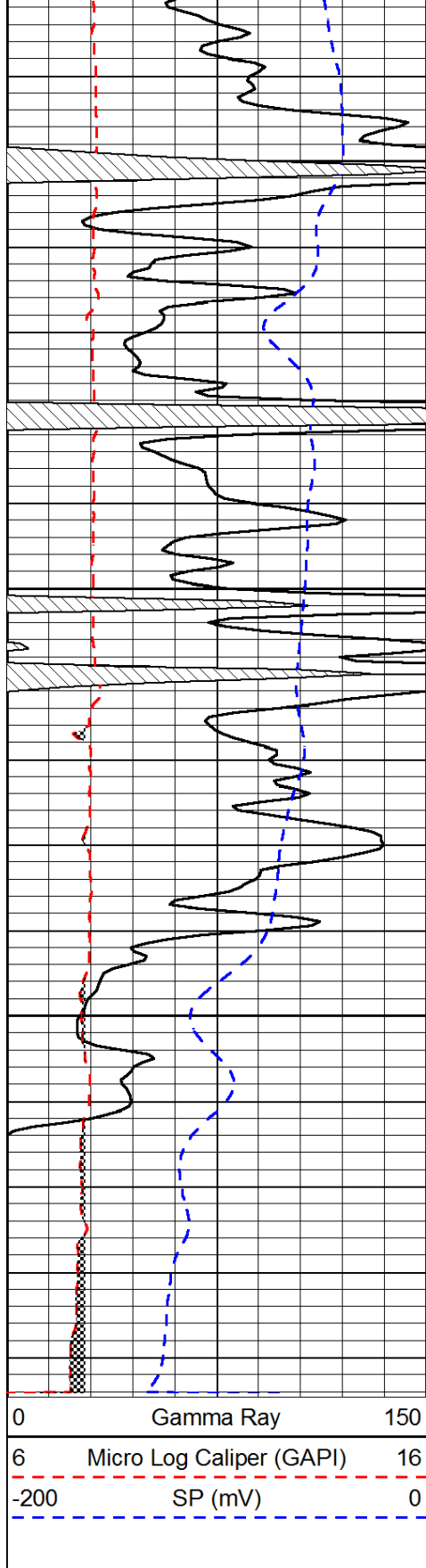
3950

4000

4050

4100

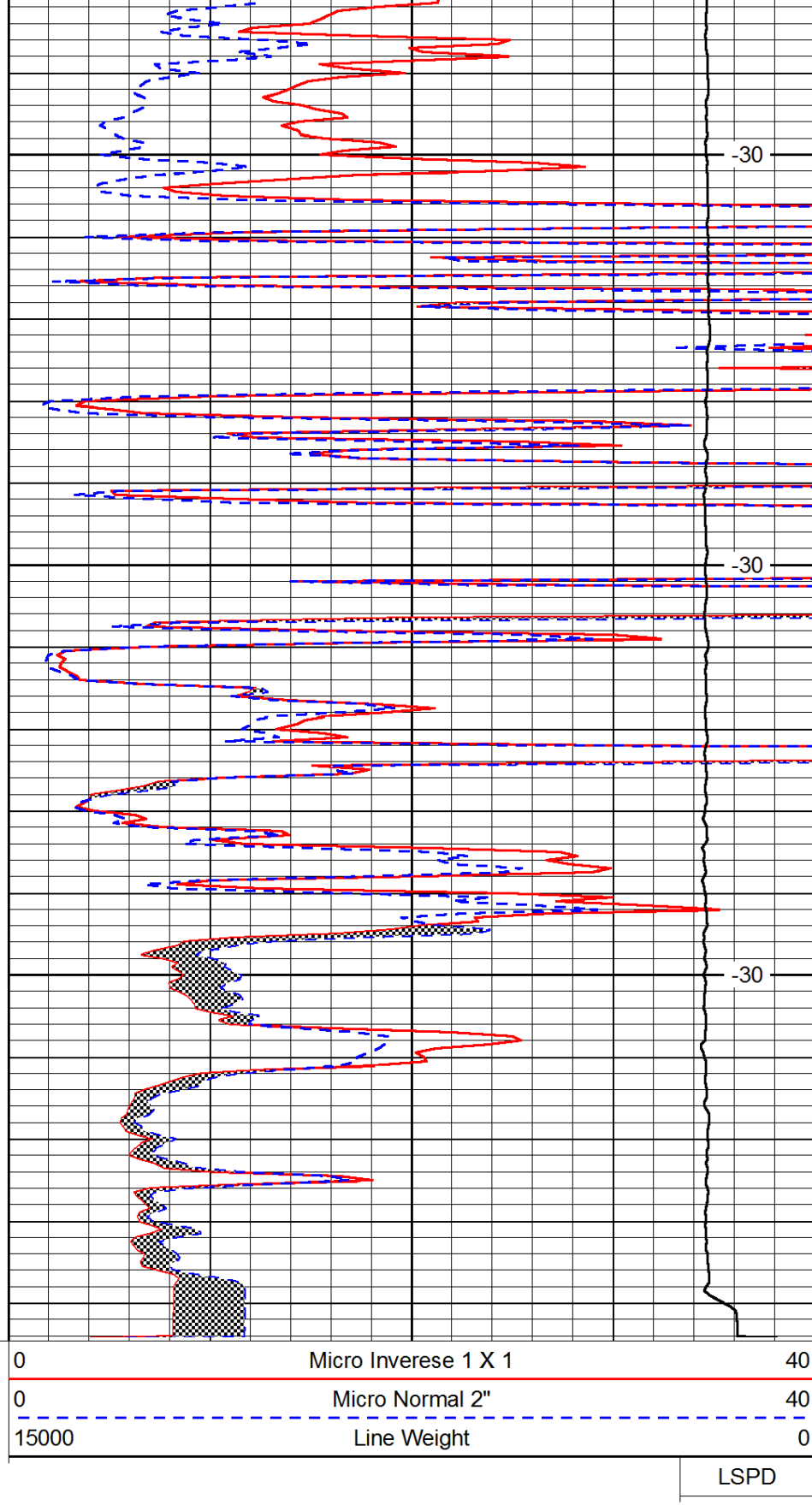




4150

4200

4250



-30

-30

-30

LSPD