



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-065-24051-00-00

Company H & C Oil Operating, Inc.

Well Delbert #19-1

Field Wildcat

County Graham

State Kansas

Location

SE SW NW NW
1150' FNL / 475' FWL

Other Services
DIL
MEL

Sec: 19

Twp: 10S

Rge: 25W

Elevation

Permanent Datum

Ground Level

Elevation 2536

K.B. 2543
D.F.
G.L. 2536

Log Measured From

Kelly Bushing

7 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

Date

8/6/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

4080

Depth Logger

4080

Bottom Logged Interval

4059

Top Logged Interval

3450

Type Fluid In Hole

Chemical

Salinity, PPM CL

900

Density

9.5

Level

Full

Max. Rec. Temp. F

117

Operating Rig Time

4 Hours

Equipment -- Location

91 Hays

Recorded By

R. Barnhart

Witnessed By

Anthony Luna

Borehole Record

Casing Record

Run No.

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

265

8.625

24#

00

265

2

7.875

265

4080

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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

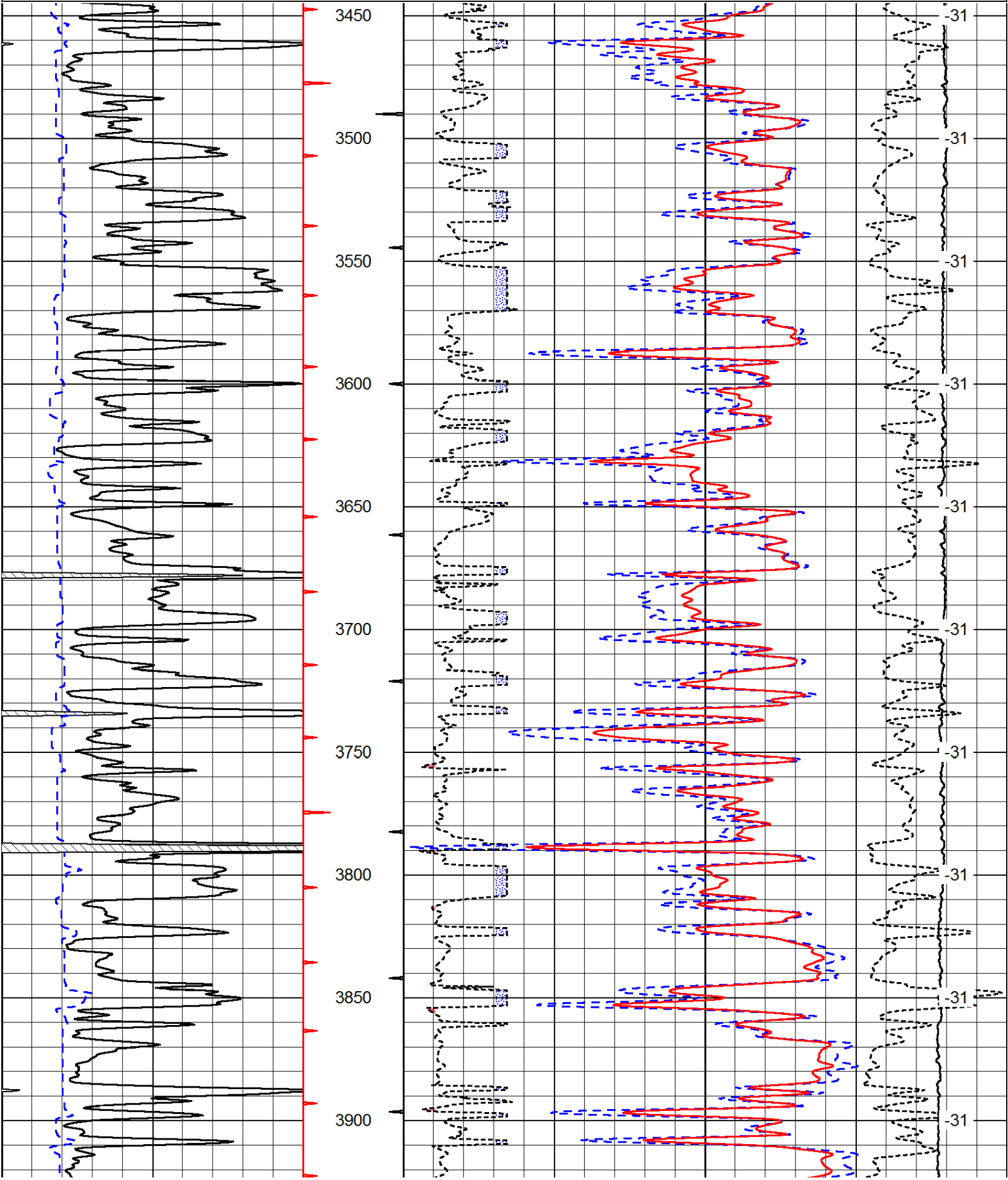
Thank you for using Pioneer Energy Services
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785 625 3858

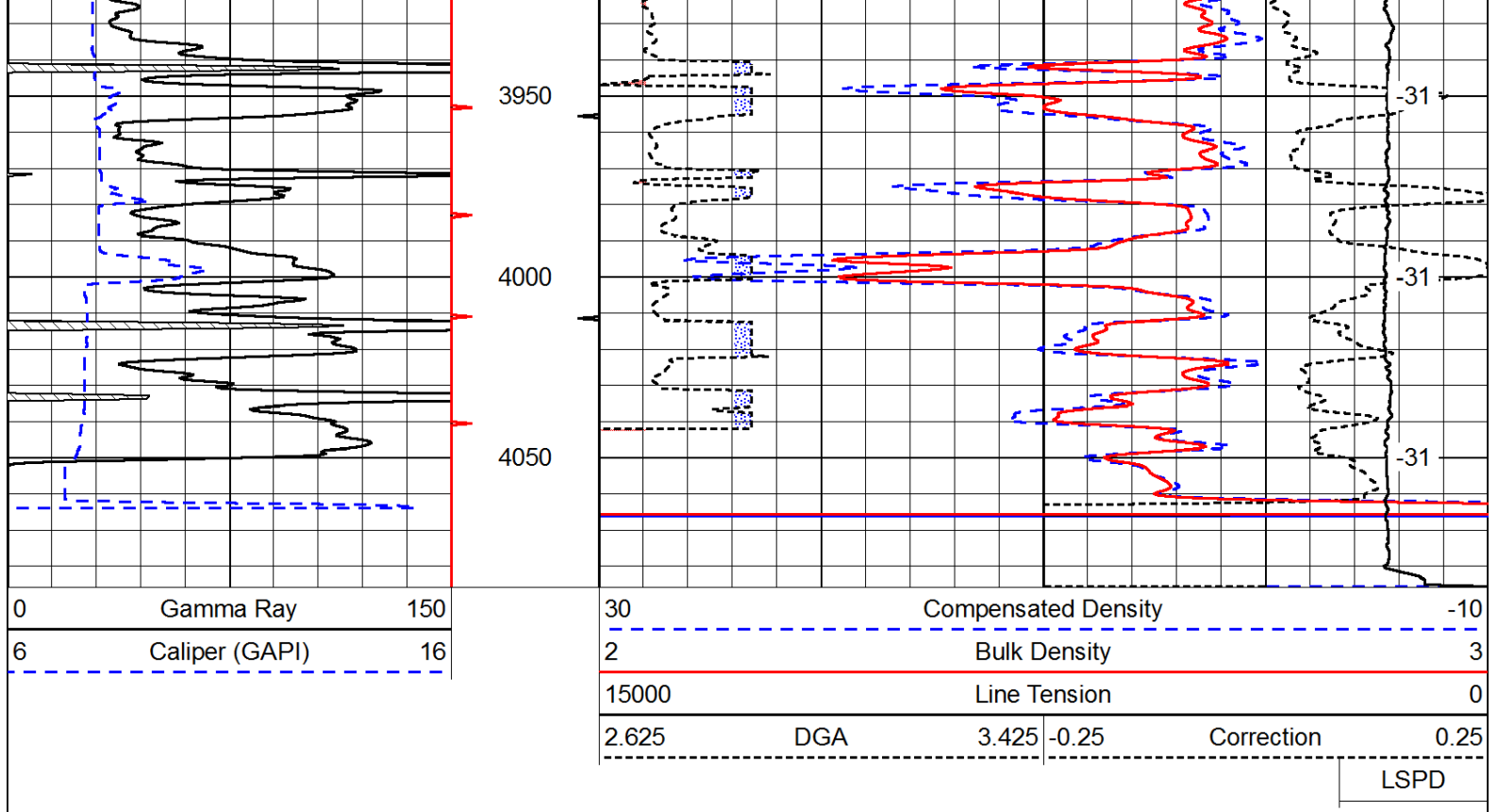
Collyer, KS:
Collyer Exit: N to Old 40, 5W to 78 Rd., 8N to 130 Rd., 1E, S into

Database File: c:\warrior\data\h&c_delbert #19-1\h&c_hd.db
Dataset Pathname: dil/hcmain
Presentation Format: cdl
Dataset Creation: Wed Aug 06 21:08:29 2014
Charted by: Depth in Feet scaled 1:600

0	Gamma Ray	150
6	Caliper (GAPI)	16

30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			





Database File: c:\warrior\data\h&c_delbert #19-1\h&c_hd.db
Dataset Pathname: dil/hcmain
Presentation Format: cndlspec
Dataset Creation: Wed Aug 06 21:08:29 2014
Charted by: Depth in Feet scaled 1:240

