



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-051-26,686-00-00

Company Hess Oil Company

Well Sack # 1

Field

County Ellis

State Kansas

Location

NE SW NE SE
1,705' FSL & 810' FEL

Other Services
DIL

Sec: 27

Twp: 13S

Rge: 19W

Elevation

Permanent Datum Ground Level Elevation 2096
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 2101
D.F.
G.L. 2096

Date

4/30/2014

Run Number

One

Type Log

CNL / CDL

Depth Driller

3795

Depth Logger

3795

Bottom Logged Interval

3774

Top Logged Interval

2900

Type Fluid In Hole

Chemical

Salinity, PPM CL

8500

Density

9.0

Level

Full

Max. Rec. Temp. F

114

Operating Rig Time

2 Hours

Equipment -- Location

108 Hays

Recorded By

J. Long

Witnessed By

Bryan Hess

David Gould

Borehole Record

From To

Size Wgt.

From To

218

Run No.

1

12.25

00

8.625

24#

00

218

2

7.875

218

3795

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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.

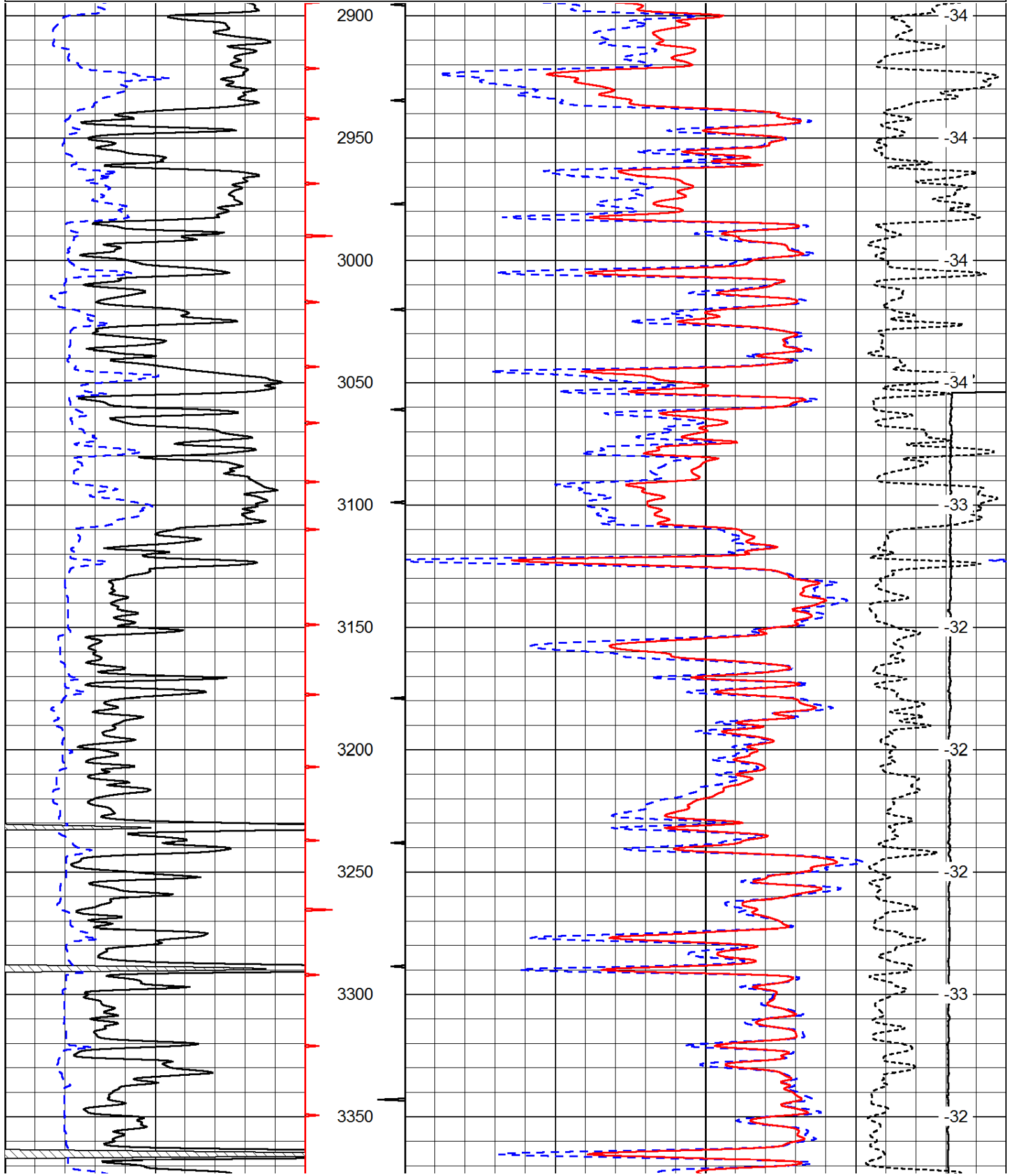
Comments

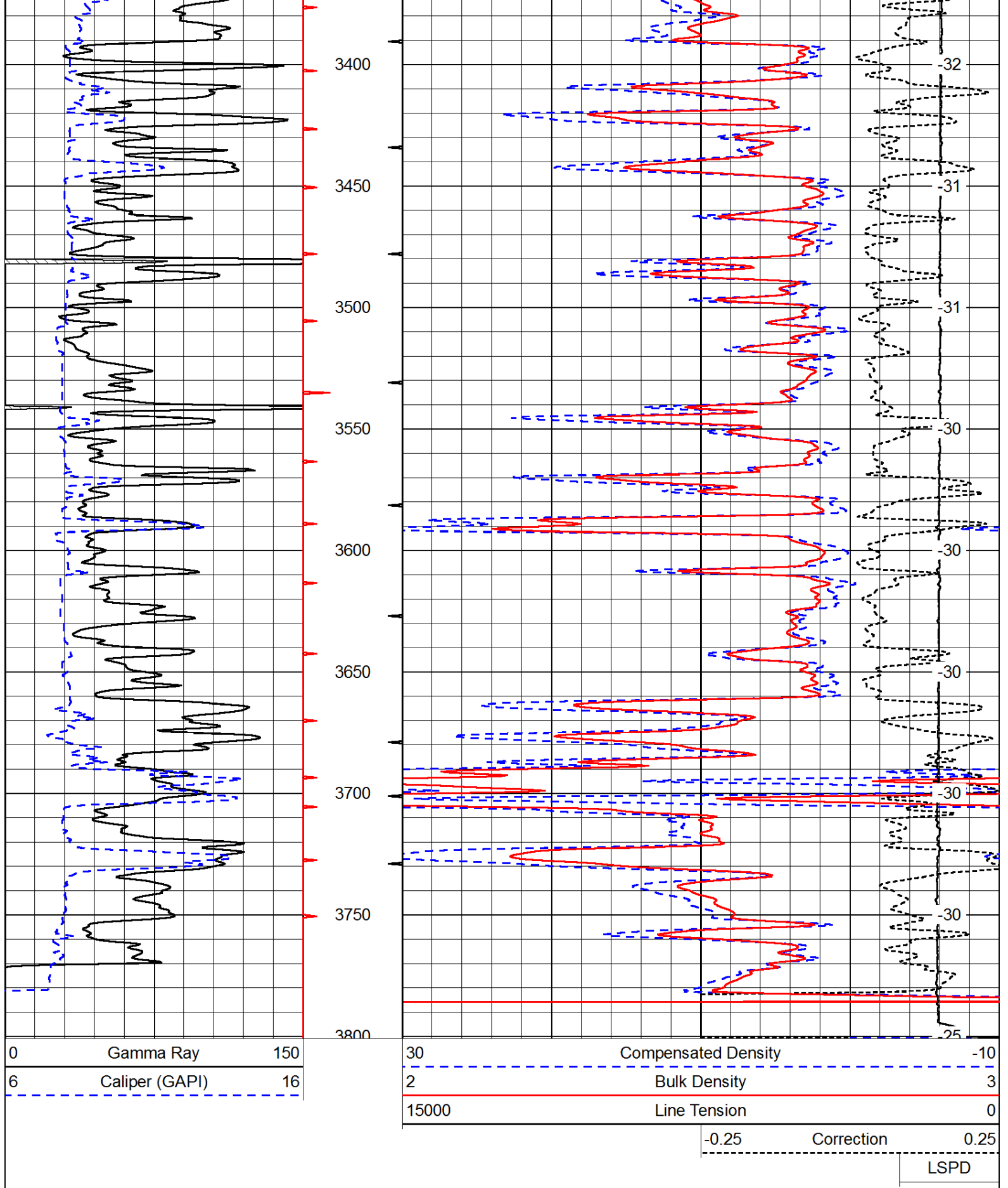
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Hays, West on Old 40 Highway to 200 Road, 1 South, West Into

Database File: c:\warrior\data\hess_sack # 1\hess_sack_1hd.db
Dataset Pathname: dil/hessstck
Presentation Format: cdl
Dataset Creation: Wed Apr 30 16:00:01 2014
Charted by: Depth in Feet scaled 1:600

Charted by: Depth in Feet scaled 1:600					
0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
			-0.25 Correction 0.25		
			LSPD		





Database File: c:\warrior\data\hess_sack # 1\hess_sack_1hd.db
Dataset Pathname: dil/hessstck
Presentation Format: cndlspec
Dataset Creation: Wed Apr 30 16:00:01 2014
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150	30	Compensated Neutron (Limestone)	-10
6	Caliper (GAPI)	16	30	Compensated Density (Limestone)	-10
			15000	Line Tension	0
			-0.25 Correction 0.25		
					LSPD

