



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-179-21336-00-00

Company Culbreath Oil & Gas Company, Inc.
Well Coburn #5-08
Field Tilton Northeast
County Sheridan State Kansas

Location

E2 SE NW
1980' FNL / 2310' FWL

Sec: 8

Twp: 10S

Rge: 26W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 2586
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 7/12/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4120

Depth Logger 4118

Bottom Logged Interval 4097

Top Logged Interval 3500

Type Fluid In Hole Chemical

Salinity, PPM CL 800

Density 9.1

Level Full

Max. Rec. Temp. F 119

Operating Rig Time 4 Hours

Equipment -- Location 91 Days

Recorded By R. Barnhart

Witnessed By Steve Murphy

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 220 8.625 24# 00 220

2 7.875 220 4120

<<< 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

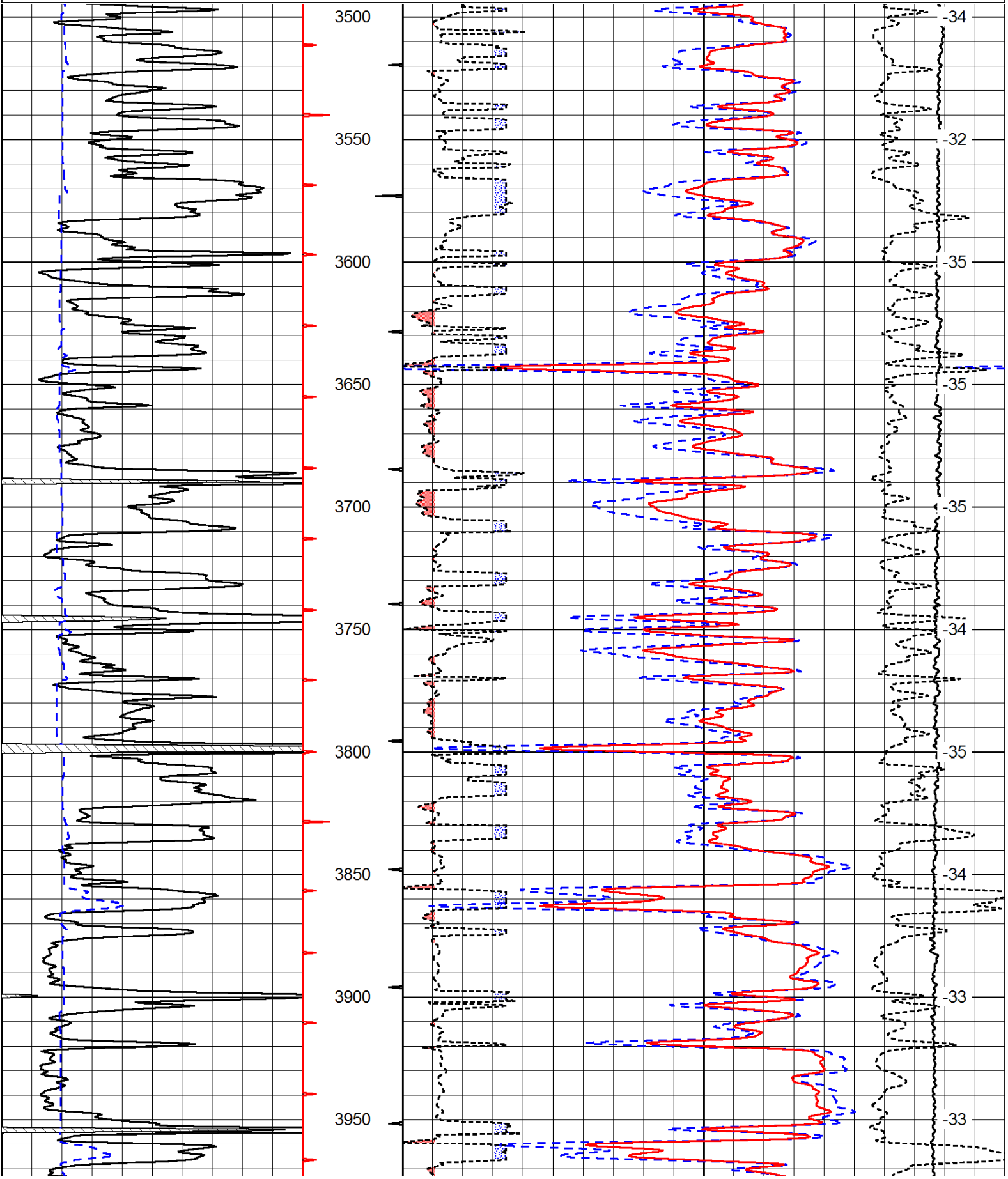
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

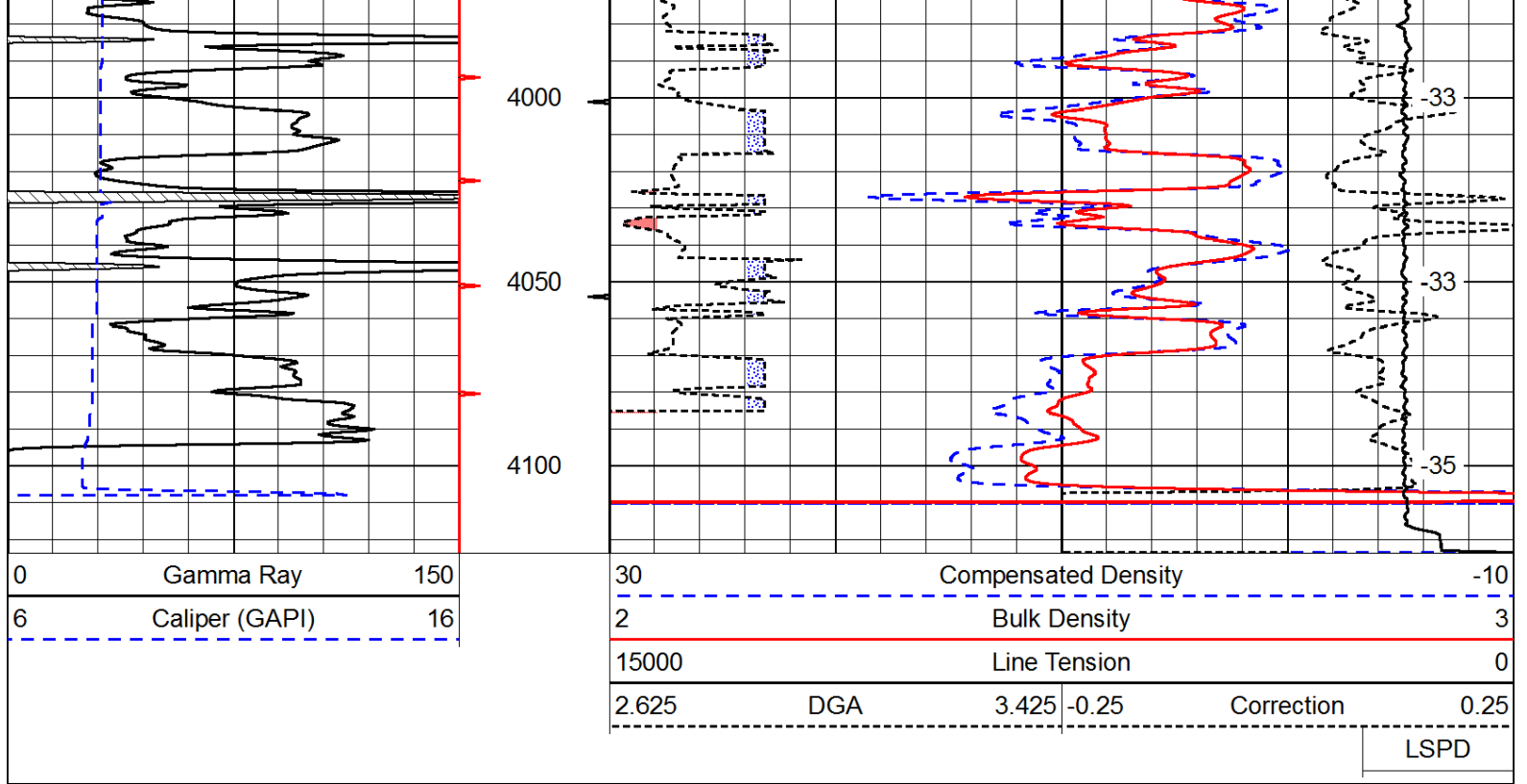
Quinter, KS:
N edge of town: 7N, 1W, 2N, E into, L at CG

Database File: c:\warrior\data\culbreath_coburn #5-08\culbreath_hd.db
Dataset Pathname: dil/clbmain
Presentation Format: cdl
Dataset Creation: Fri Jul 12 08:30:59 2013
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\culbreath_coburn #5-08\culbreath_hd.db
Dataset Pathname: dil/clbmain
Presentation Format: cndlspec
Dataset Creation: Fri Jul 12 08:30:59 2013
Charted by: Depth in Feet scaled 1:240

