



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-009-25,774-00-00

Company **Carrie Exploration & Development**

Well **John Roth No. C3**

Field

County **Barton**

State **Kansas**

Location

**S2 NW NW SW
2,230' FSL & 330' FWL**

Other Services
DIL
MEL

Sec: 34

Twp: 19S

Rge: 11W

Elevation

Permanent Datum Ground Level Elevation 1774
Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date 11/30/2012

Run Number One

Type Log CNL / CDL

Depth Driller 3430

Depth Logger 3430

Bottom Logged Interval 3409

Top Logged Interval 2400

Type Fluid In Hole Chemical

Salinity, PPM CL --

Density 9.0

Level Full

Max. Rec. Temp. F 110

Operating Rig Time 4 Hours

Equipment -- Location 108 Hays

Recorded By J. Long

Witnessed By Herb Deines

Borehole Record

Casing Record

Run No. Bit From To Size Wgt. From To

1 12.25 00 253 8.625 24# 00 253

2 7.875 253 3430

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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.

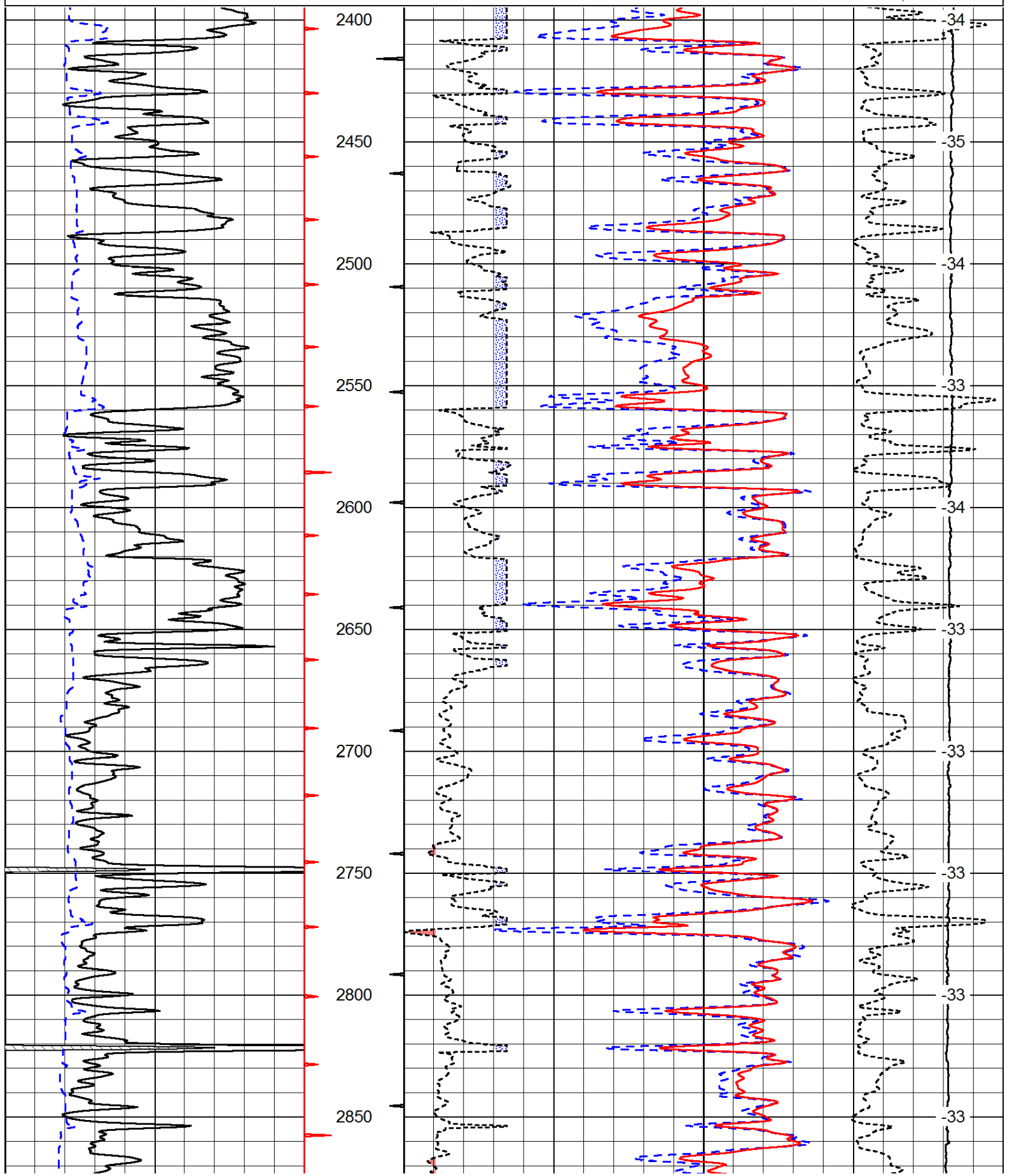
Comments

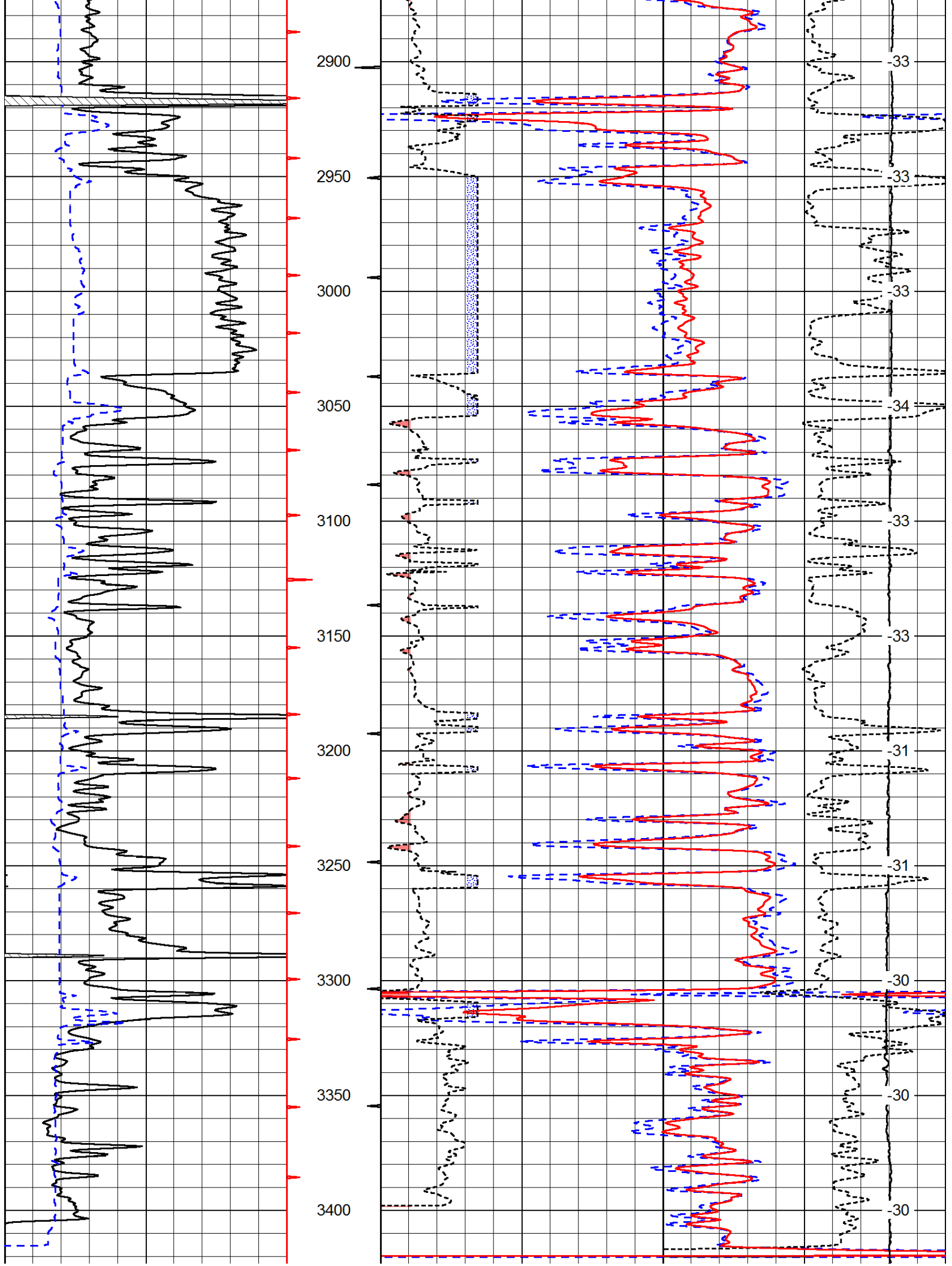
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

Ellinwood, East to SE 130th Avenue, North across tracks, East Into

Database File: c:\warrior\data\carrie_john roth #c3\carrie_johnroth_c3hd.db
Dataset Pathname: dil/carrstck
Presentation Format: cdl
Dataset Creation: Fri Nov 30 09:41:38 2012
Charted by: Depth in Feet scaled 1:600

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





0	Gamma Ray	150	30	Compensated Density	-10
6	Caliper (GAPI)	16	2	Bulk Density	3
			15000	Line Tension	0
2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

Database File: c:\warrior\data\carrie_john roth #c3\carrie_johnroth_c3hd.db					
Dataset Pathname: dil/carrstck					
Presentation Format: cndlspec					
Dataset Creation: Fri Nov 30 09:41:38 2012					
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
			2.625	DGA	3.425
			-0.25	Correction	0.25
			15000	Line Tension	0
					LSPD

