



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-109-21,344-00-00

Company **Black Tea Oil, LLC**

Well **Younkin A #1**

Field

County **Logan**

State **Kansas**

Location

1560' FNL & 1970' FEL

Sec: **19**

Twp: **14S**

Rge: **33W**

Other Services
DIL
MEL/BHCS

Permanent Datum

Ground Level

Elevation 2903

Log Measured From

Kelly Bushing

9 Ft. Above Perm. Datum

Drilling Measured From

Kelly Bushing

K.B. 2912
D.F.
G.L. 2903

Date

2/3/2015

Run Number

One

Type Log

CNL / CDL

Depth Driller

4600

Depth Logger

4594

Bottom Logged Interval

4573

Top Logged Interval

3600

Type Fluid In Hole

Chemical

Salinity, PPM CL

7,000

Density

9.1

Level

Full

Max. Rec. Temp. F

122

Operating Rig Time

5 Hours

Equipment -- Location

51 Hays

Recorded By

C. Desaire

Witnessed By

Kevin Bailey

Borehole Record

Casing Record

Run No

Bit

From

To

Size

Wgt.

From

To

1

12.25

00

264

8.625

24#

00

264

2

7.875

264

4600

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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

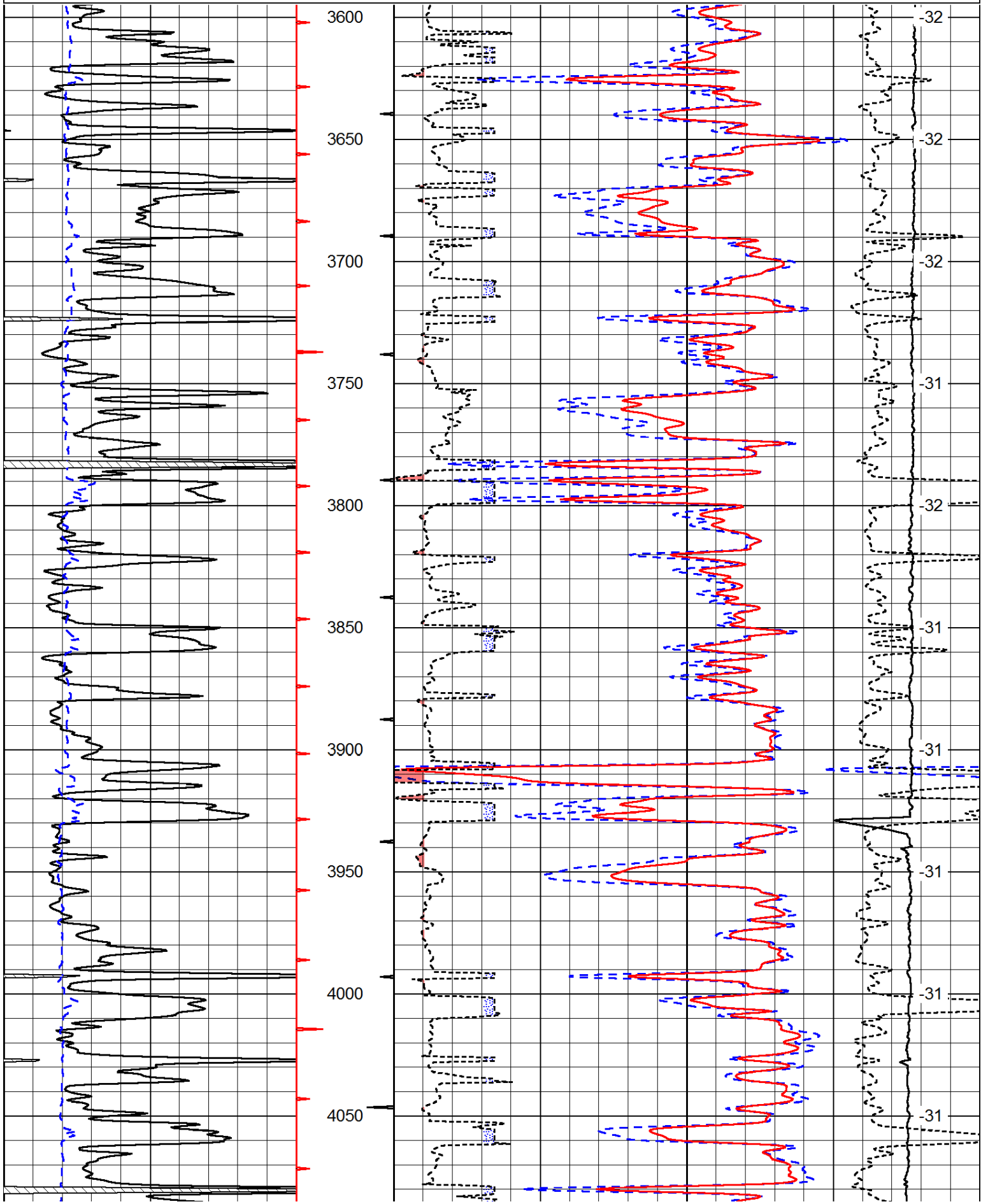
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858

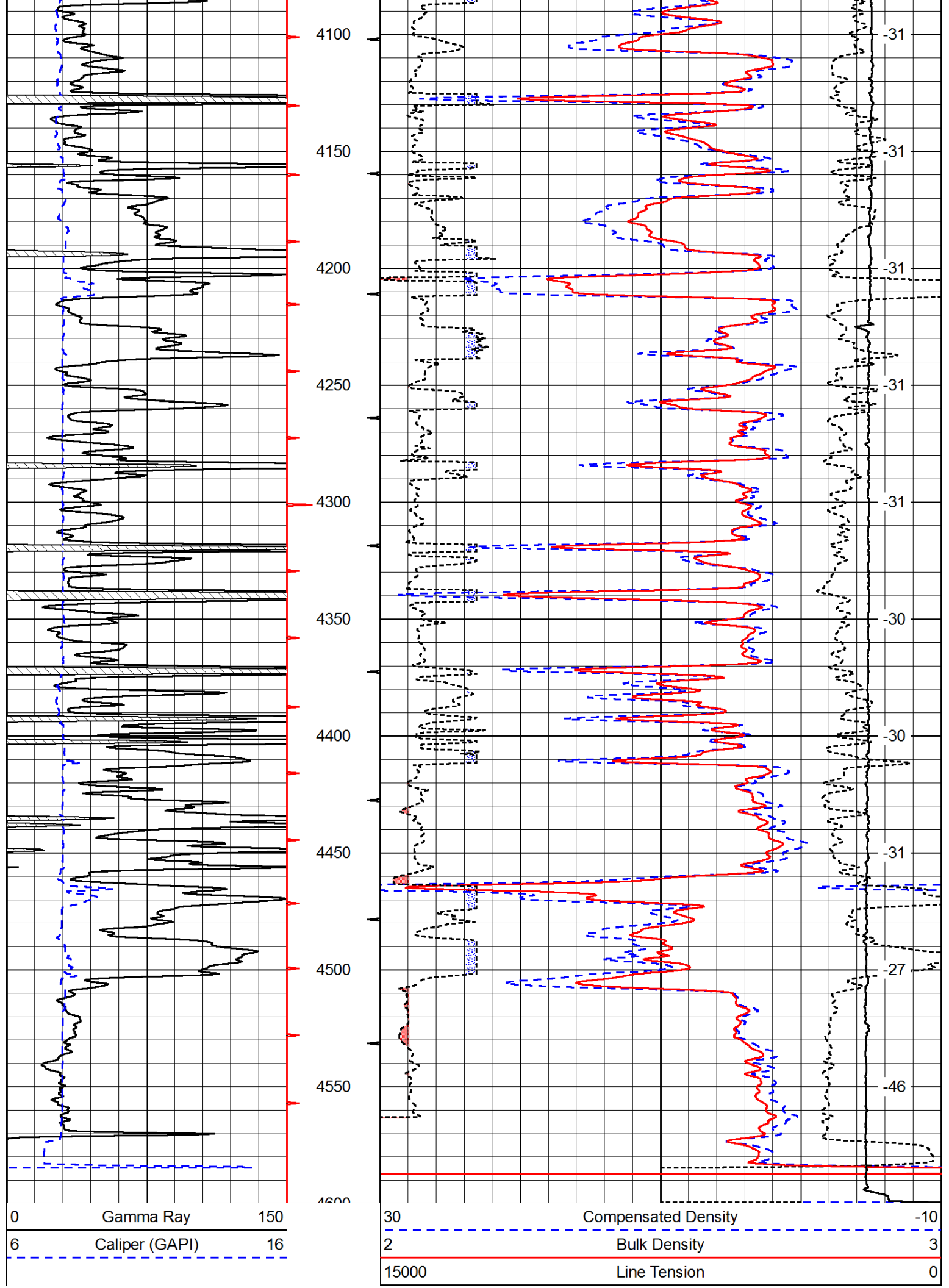
Monument KS, 19 1/2 S, W Into

Database File: c:\warrior\data\black tea_youkin a #1\bthd.db
Dataset Pathname: dil/btstk2
Presentation Format: cdl
Dataset Creation: Tue Feb 03 03:04:56 2015
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





2.625	DGA	3.425	-0.25	Correction	0.25
					LSPD

Database File:	c:\warrior\data\black tea_youngkin a #1\bthd.db
Dataset Pathname:	dil/btstk2
Presentation Format:	cndlspec
Dataset Creation:	Tue Feb 03 03:04:56 2015
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

