



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-095-22273-00-00

Company MTM Petroleum, Inc.

Well Garrison #4

Field Settle

County Kingman

State Kansas

Location

1320' FSL & 1980' FWL

Other Services
DIL

Sec: 20

Twp: 29S

Rge: 7W

Elevation

Permanent Datum Ground Level Elevation 1543
Log Measured From Kelly Bushing 10 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

K.B. 1553
D.F.
G.L. 1543

Date

11/27/2013

Run Number

One

Type Log

CNL / CDL

Depth Driller

4515

Depth Logger

4517

Bottom Logged Interval

4496

Top Logged Interval

3700

Type Fluid In Hole

Chemical

Salinity, PPM CL

2000

Density

9.3

Level

Full

Max. Rec. Temp. F

123

Operating Rig Time

3 Hours

Equipment -- Location

91 Hays

Recorded By

D. Schmidt

Witnessed By

Marvin Miller

Jerry Smith

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

4515

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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.

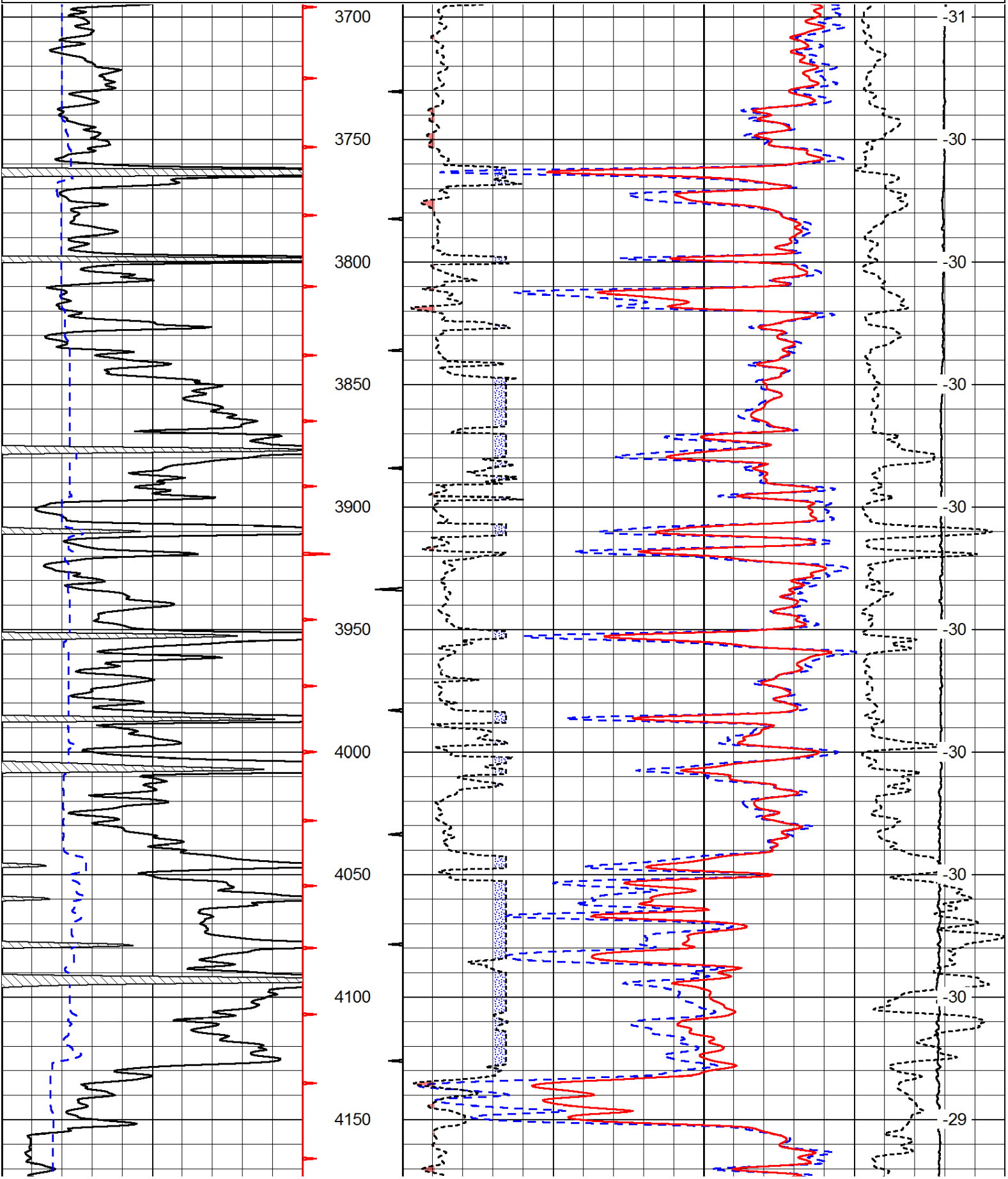
Comments

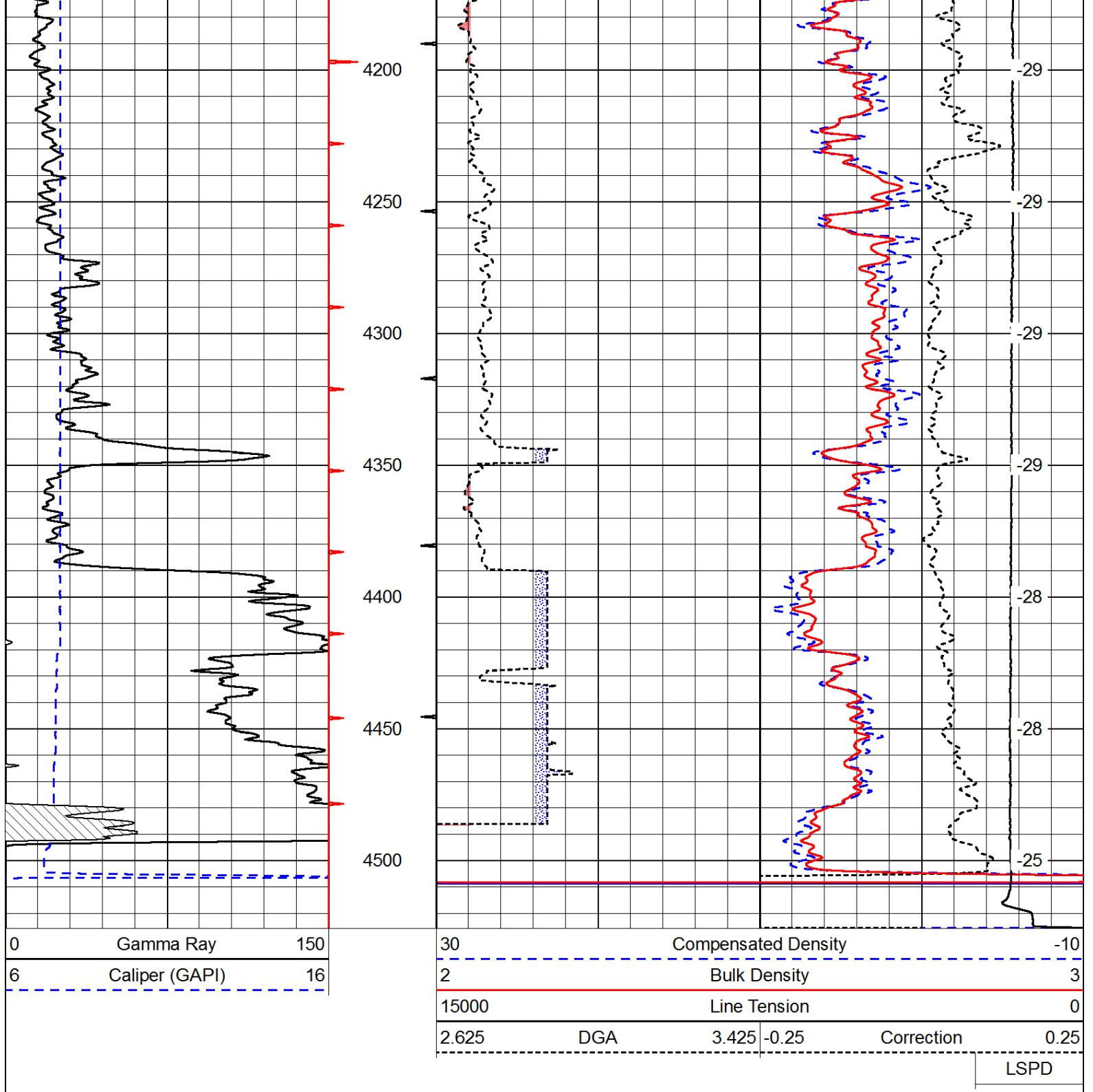
Thank you for using Pioneer Energy Services
www.pioneerres.com
785 625 3858
Kingman,
South to 100 Ave, 1 1/2 West,
North into

Database File: c:\warrior\data\mtm_garrison #4\mtm_112713hd.db
Dataset Pathname: dil/mtmstck
Presentation Format: cdl
Dataset Creation: Wed Nov 27 09:37:44 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\mtm_garrison #4\mtm_112713hd.db
Dataset Pathname: dil\mtmstck
Presentation Format: cndlspec
Dataset Creation: Wed Nov 27 09:37:44 2013
Charted by: Depth in Feet scaled 1:240

