



PIONEER

Pioneer Energy Services

Dual Compensated Porosity Log

API No.

15-009-26,017-00-00

Company Trans Pacific Oil Corporation

Well Ludwig A No.1-32

Field Trapp

County Barton

State Kansas

Location 100' FNL & 825' FWL

Other Services
DIL

Sec: 32

Twp: 16S

Rge: 13W

Elevation

Permanent Datum Ground Level Elevation 1937

Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum

Drilling Measured From Kelly Bushing

K.B. 1946
D.F. 1937
G.L. 1937

Date 9/26/2014

Run Number One

Type Log CNL / CDL

Depth Driller 3386

Depth Logger 3384

Bottom Logged Interval 3363

Top Logged Interval 2800

Type Fluid In Hole Chemical

Salinity, PPM CL 9,400

Density 9.4

Level Full

Max. Rec. Temp. F 110

Operating Rig Time 3 Hours

Equipment -- Location 10 Hays

Recorded By C. Desaire

Witnessed By Alex Chapin

Borehole Record

Run No Bit From To Size Wgt. From To

One 12.25 00 392 8.625 23# 00 392

Two 7.875 392 TD

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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

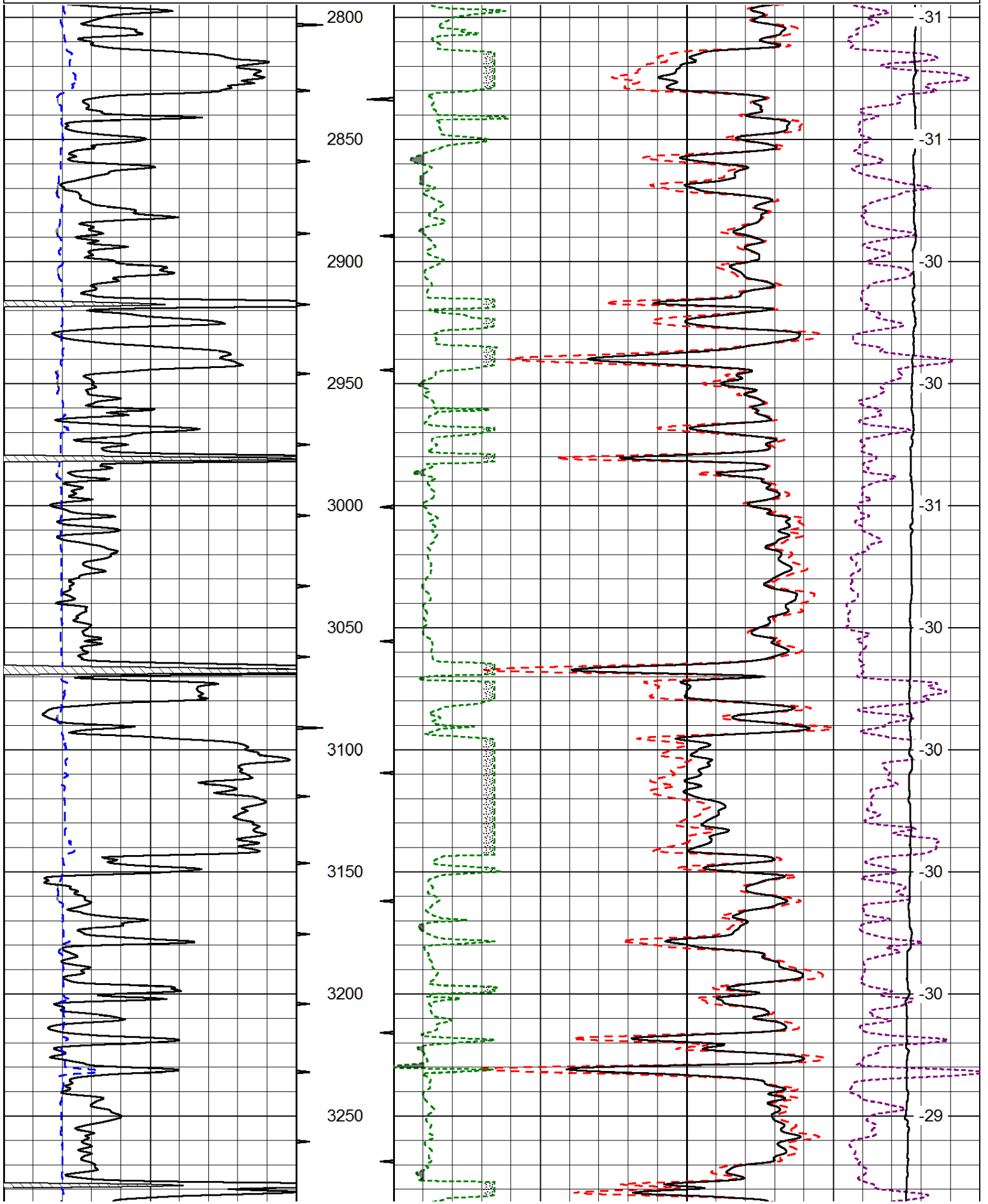
Thank you for using Log-Tech, Inc.
(785) 625-3858

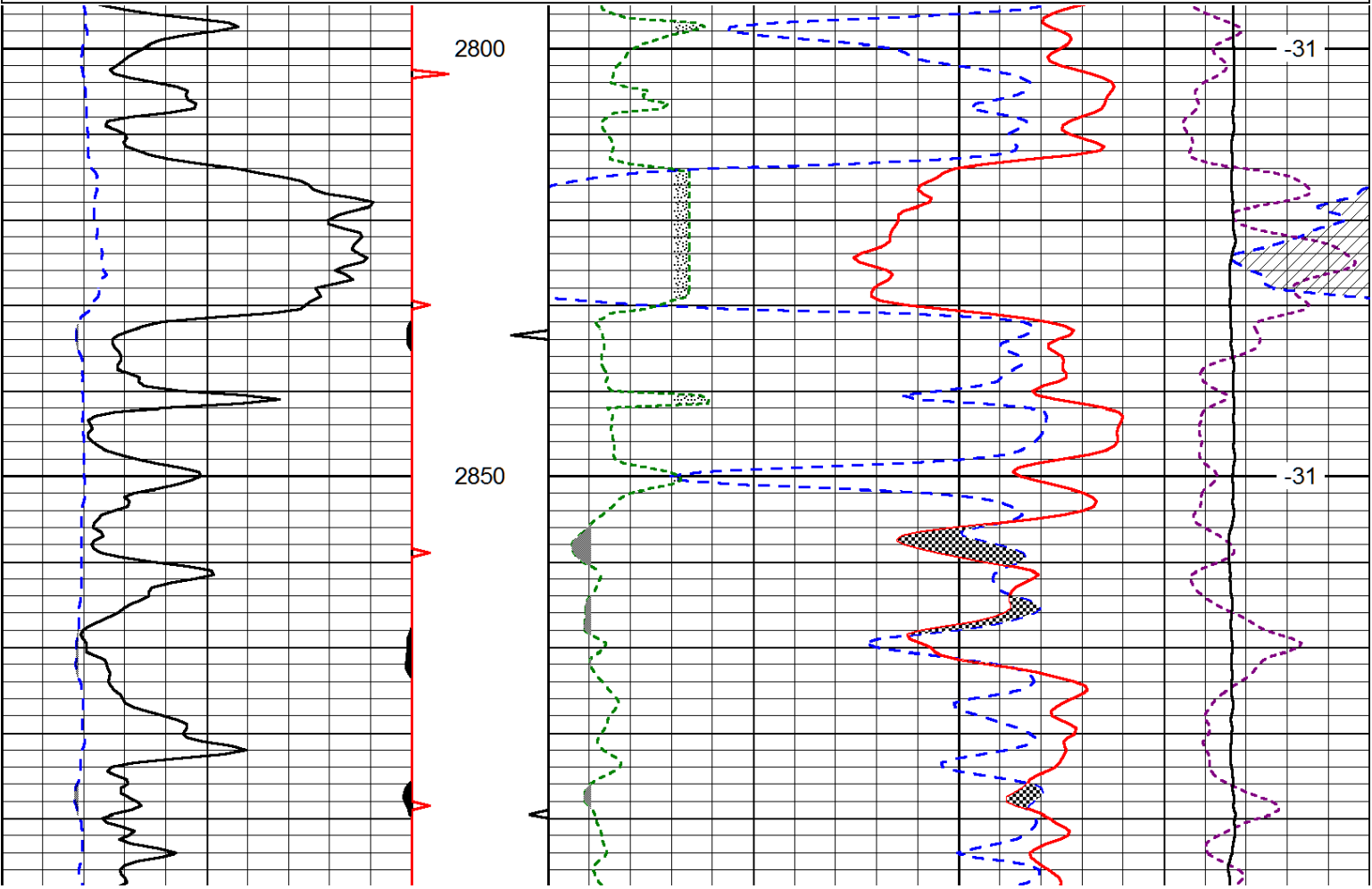
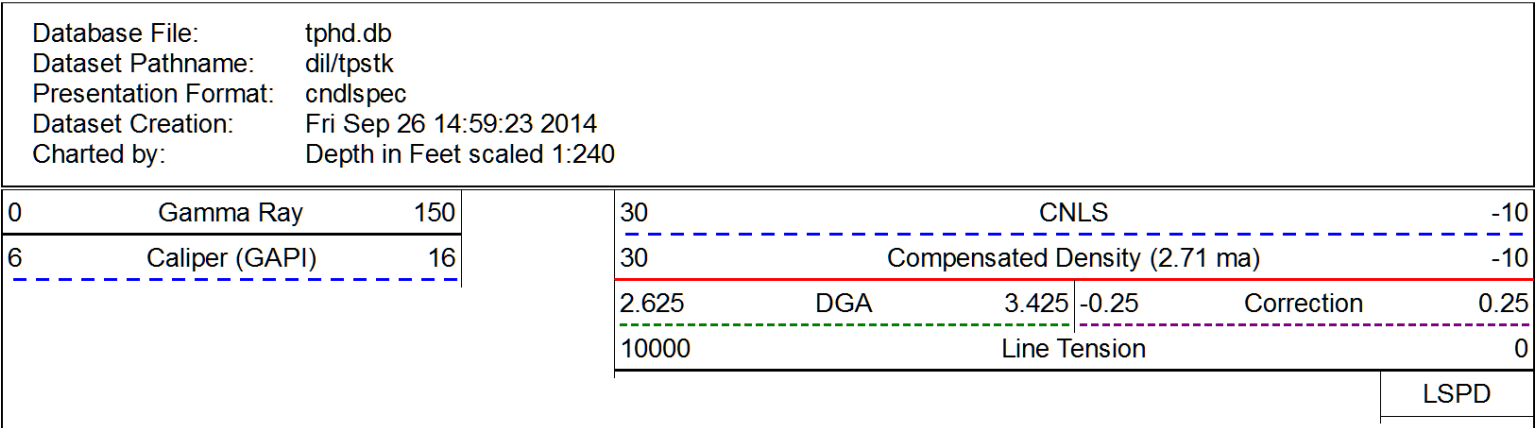
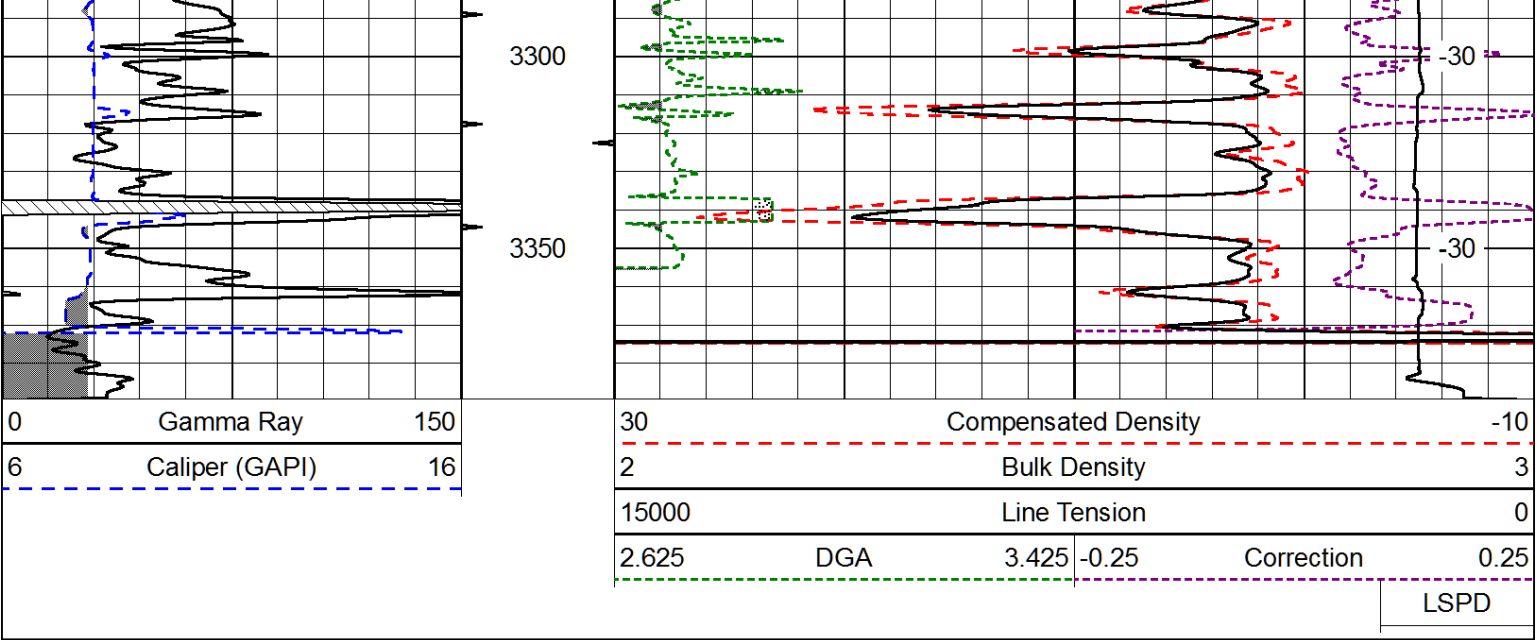
Susank KS, 1 W, 1 S,
1/8 E, S Into

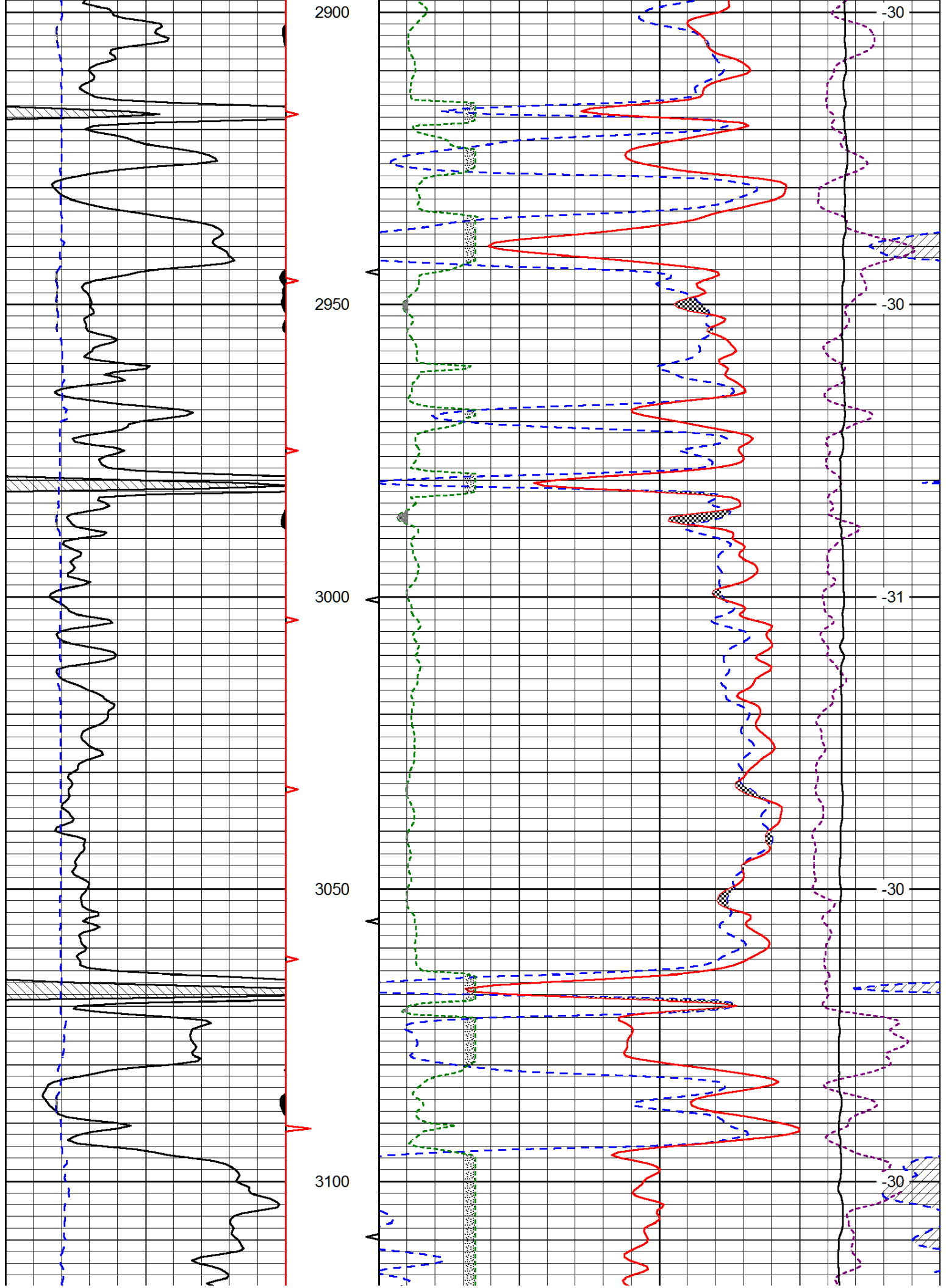
Database File: tphd.db
Dataset Pathname: dil/tpstk
Presentation Format: cdl
Dataset Creation: Fri Sep 26 14:59:23 2014
Charted by: Depth in Feet scaled 1:600

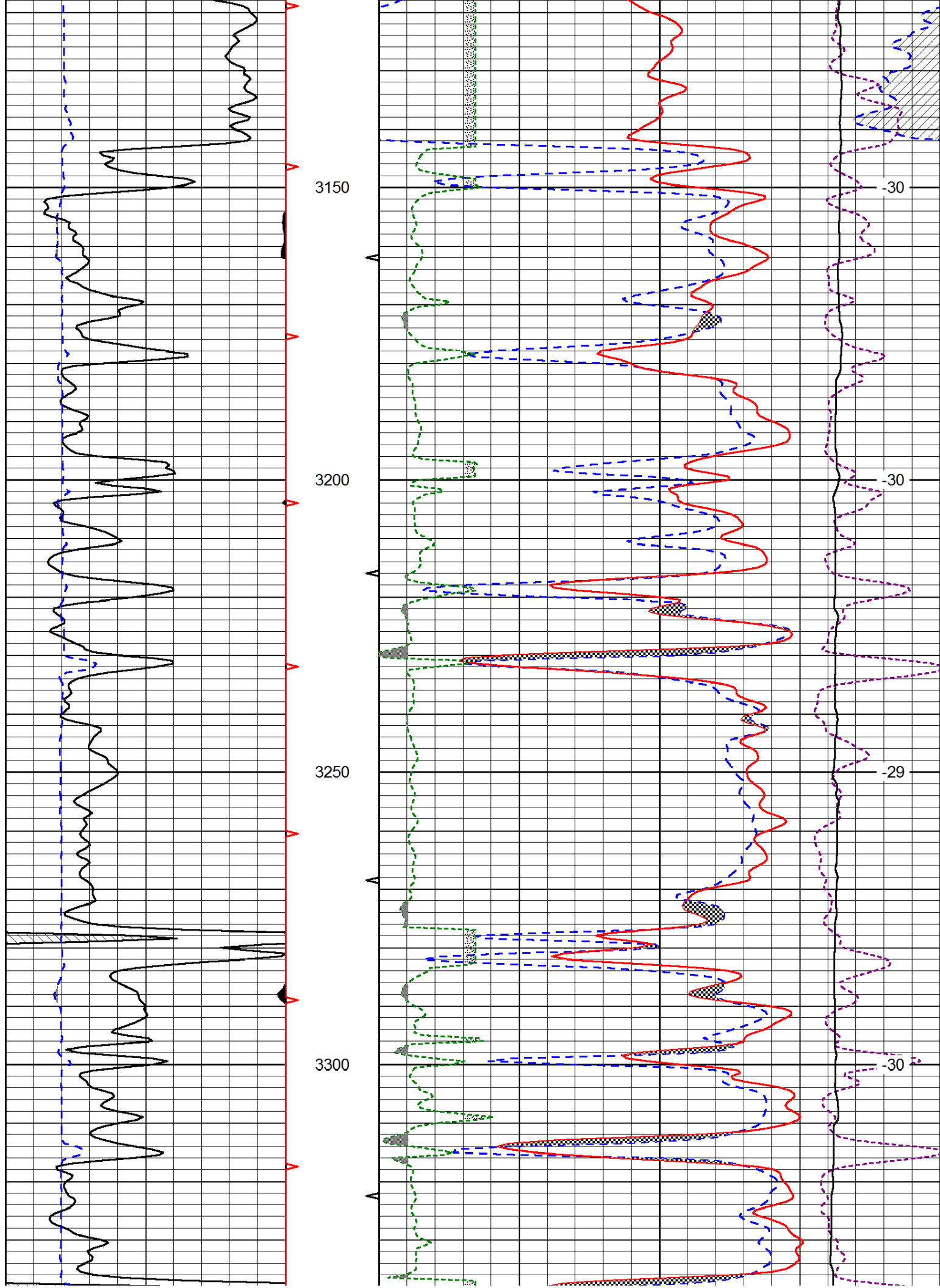
0	Gamma Ray	150
6	Caliper (GAPI)	16

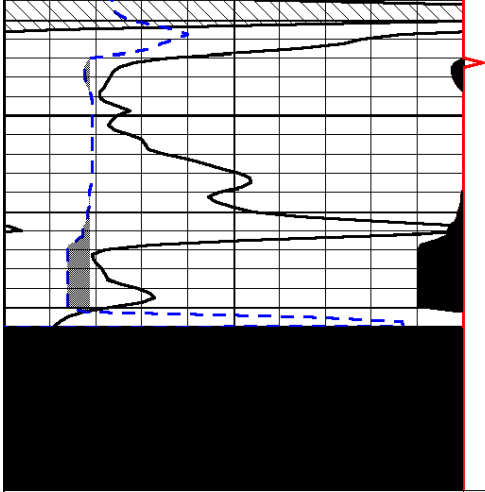
30	Compensated Density		-10
2	Bulk Density		3
15000	Line Tension		0
2.625	DGA	3.425	-0.25
Correction			0.25
LSPD			





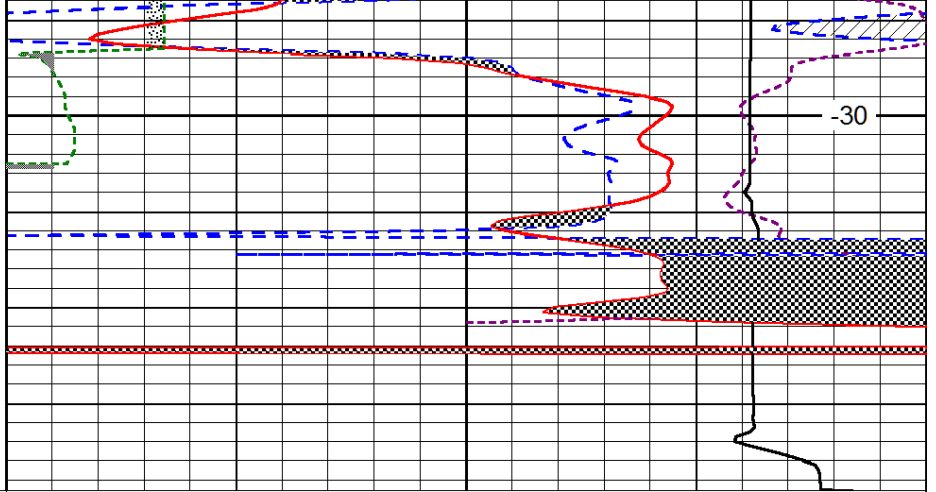






3350

0	Gamma Ray	150
6	Caliper (GAPI)	16



-30

30	CNLS				-10
30	Compensated Density (2.71 ma)				-10
2.625	DGA	3.425	-0.25	Correction	0.25
10000	Line Tension				0

LSPD