



Dual Compensated Porosity Log

Pioneer Energy Services

API No.

15-135-25,559-00-00

Company Trans Pacific Oil Corporation
Well Rufenacht 'A' Unit No. 1-32
Field Keilman Southeast
County Ness
State Kansas

Location W2-SW-SW-SW
330' FSL & 111' FEL

Sec: 32 Twp: 17S Rge: 24W

Permanent Datum Ground Level Elevation 2364
Log Measured From Kelly Bushing 9 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Other Services
DIL/MEL
Elevation
K.B. 2373
D.F.
G.L. 2364

Date 3/28/2013

Run Number One

Type Log CNL / CDL

Depth Driller 4470

Depth Logger 4471

Bottom Logged Interval 4450

Top Logged Interval 3600

Type Fluid In Hole Chemical

Salinity, PPM CL 6,400

Density 9.4

Level Full

Max. Rec. Temp. F 121

Operating Rig Time 4 Hours

Equipment -- Location 15 Days

Recorded By J. Henrickson

Witnessed By D. Kerr

Borehole Record

Casing Record

Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	225	8.625	23#	00	225
Two	7.875	225	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.

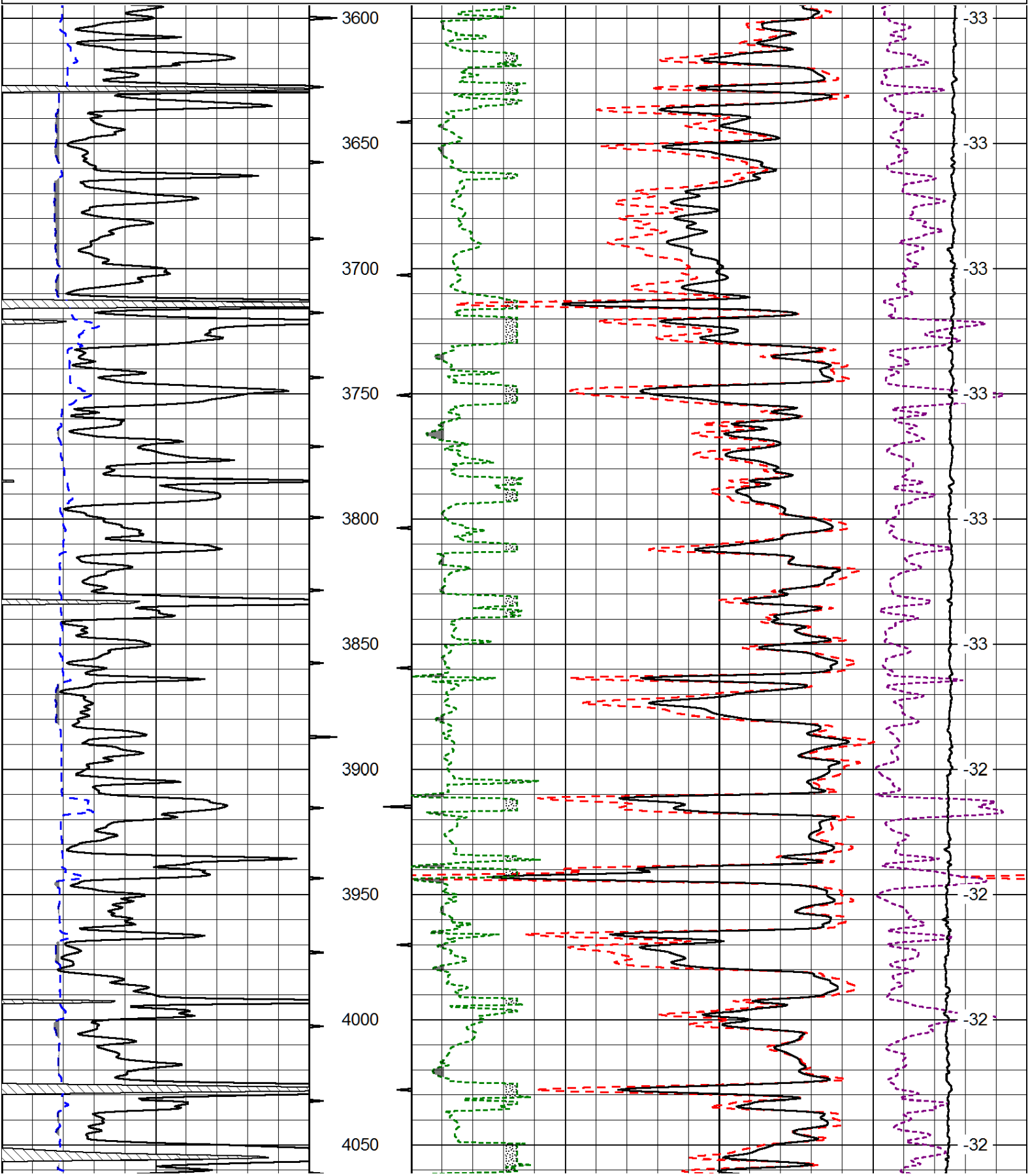
Comments

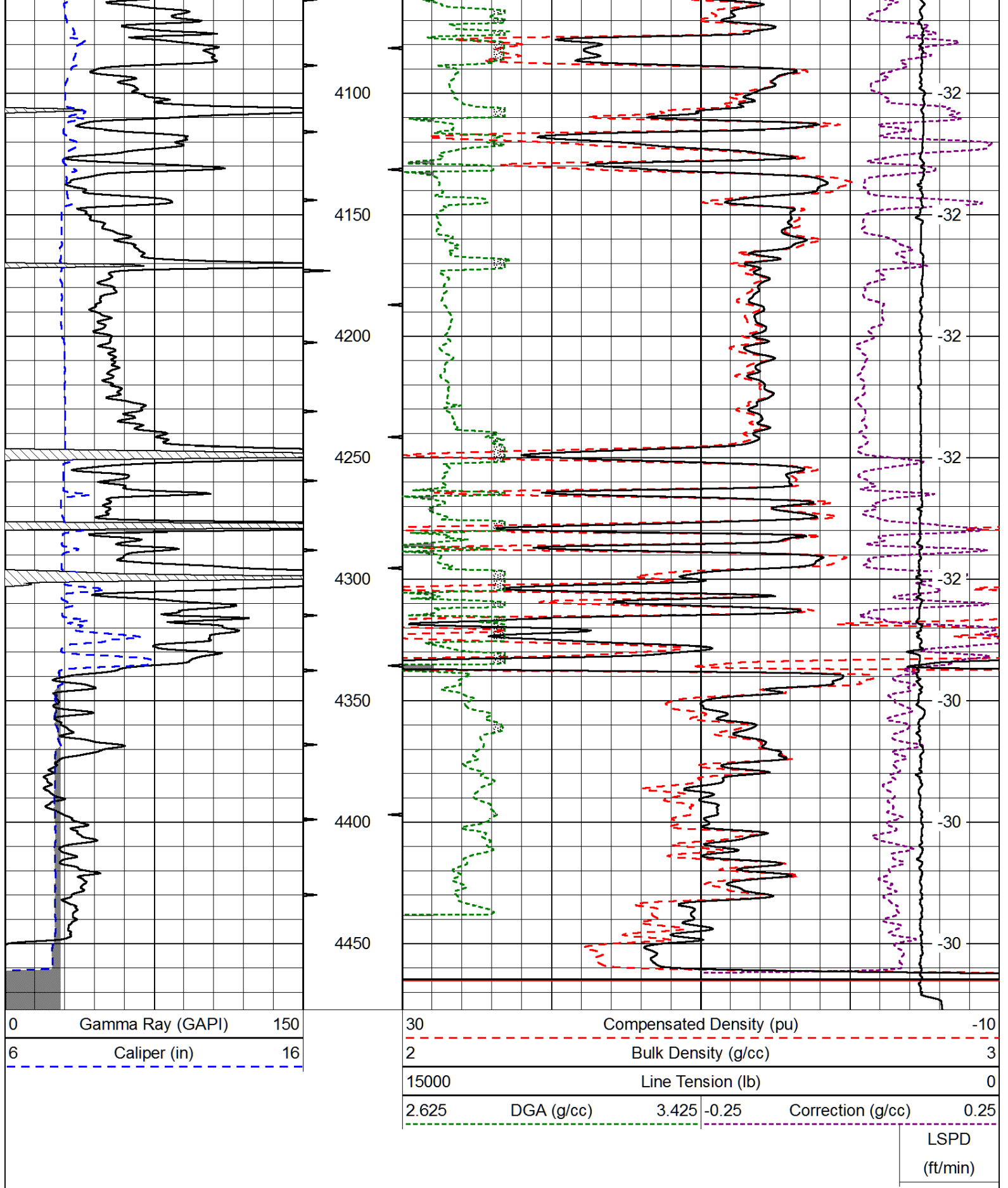
Thank you for using Log-Tech, Inc.
(785) 625-3858

Ness City KS
4 W, 5 N, 1 W, N into

0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	Compensated Density (pu)		-10
2	Bulk Density (g/cc)		3
15000	Line Tension (lb)		0
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
	LSPD		(ft/min)



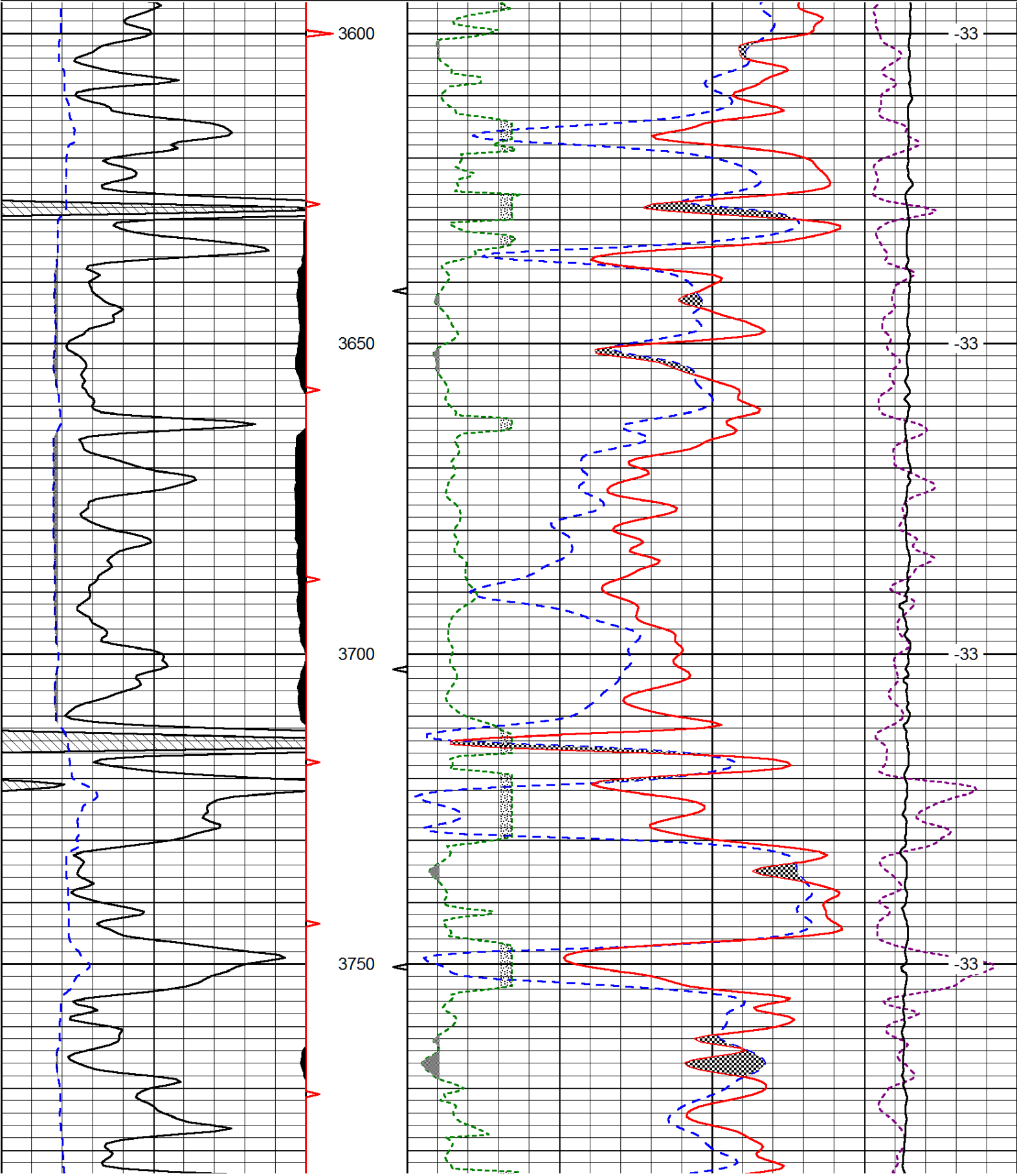


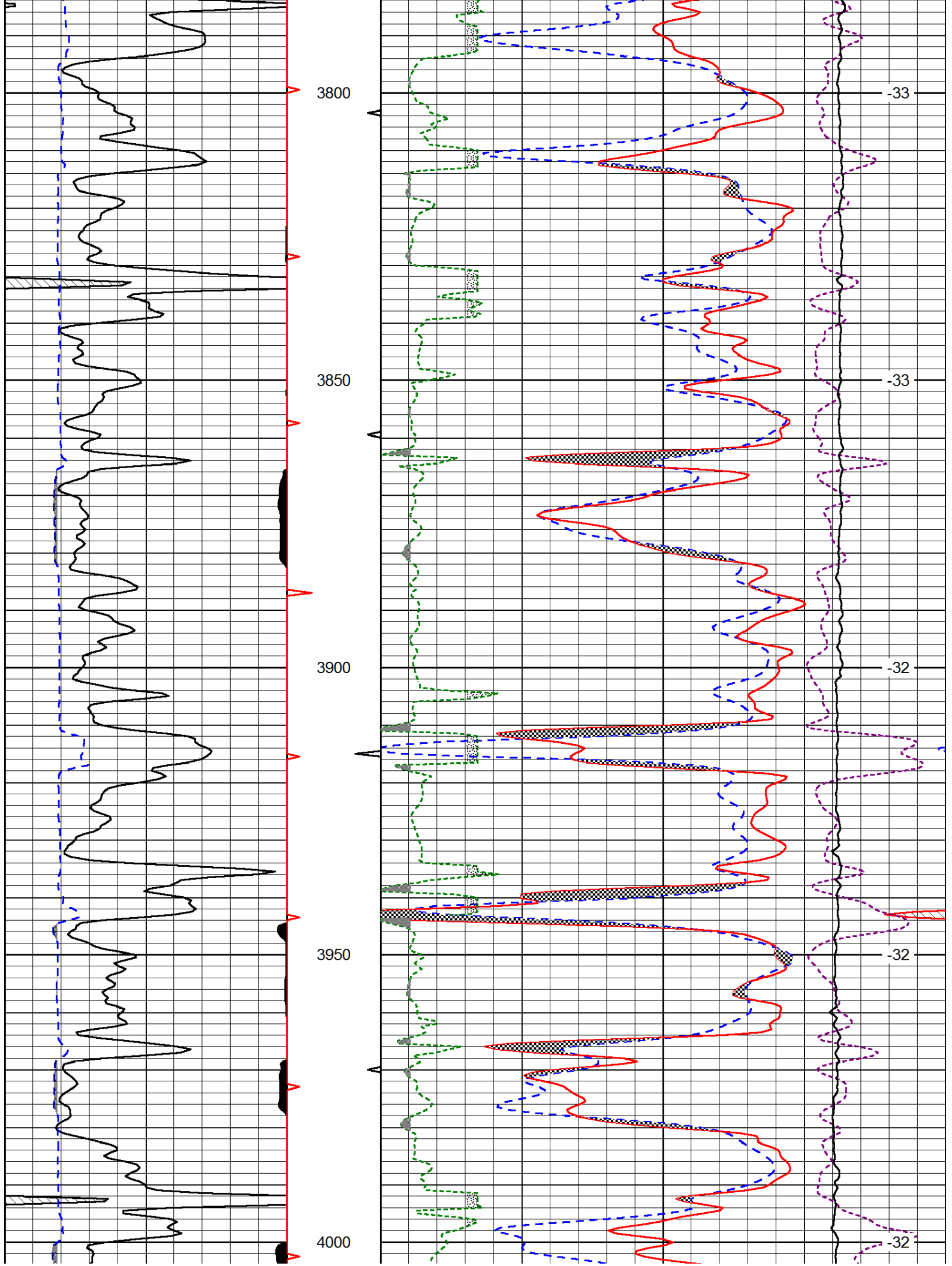
Database File: transpac_rufenacht_a_1_32hd.db
Dataset Pathname: DIL/transstk
Presentation Format: cndlspec
Dataset Creation: Thu Mar 28 19:47:34 2013
Charted by: Depth in Feet scaled 1:240

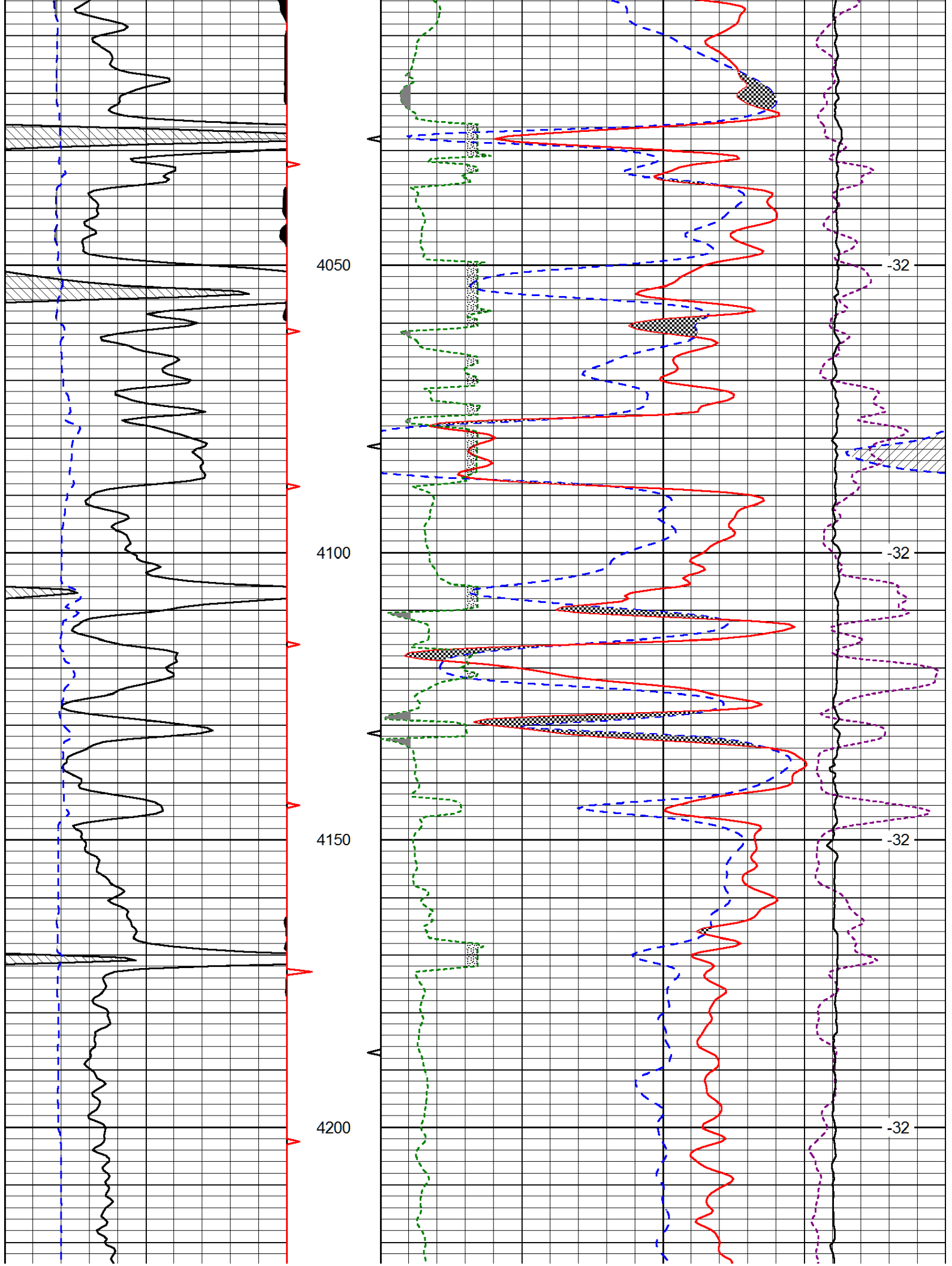
0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

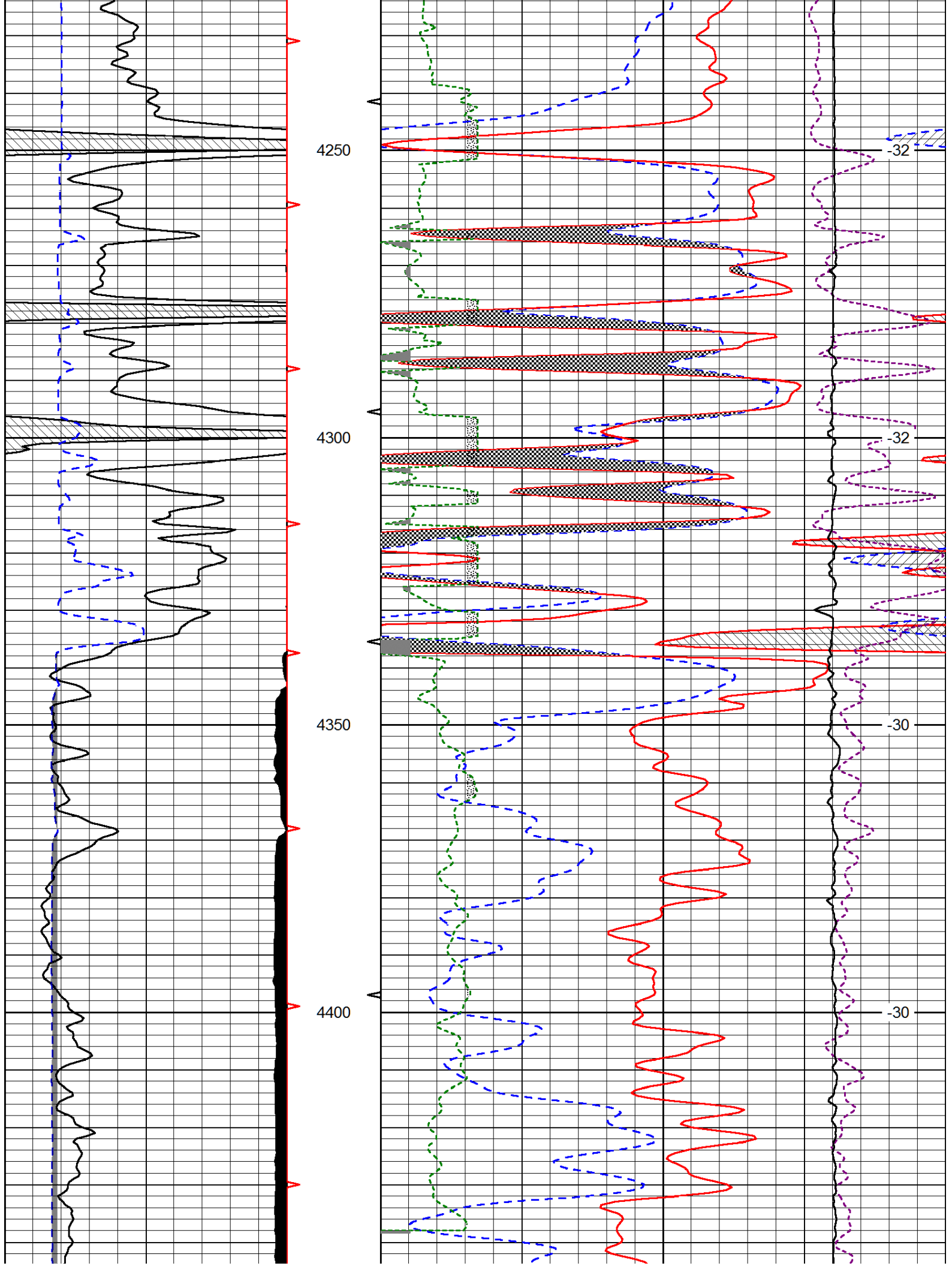
30	CNLS (pu)		-10
30	Compensated Density (2.71 ma) (pu)		-10
2.625	DGA (g/cc)	3.425	-0.25
	Correction (g/cc)		0.25
10000	Line Tension (lb)		0

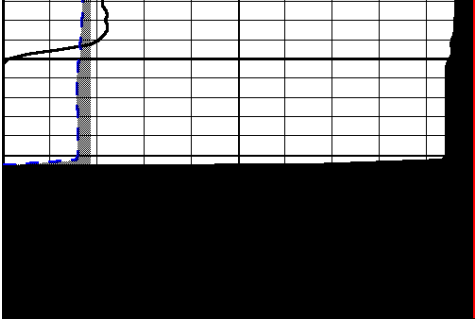
LSPD
(ft/min)



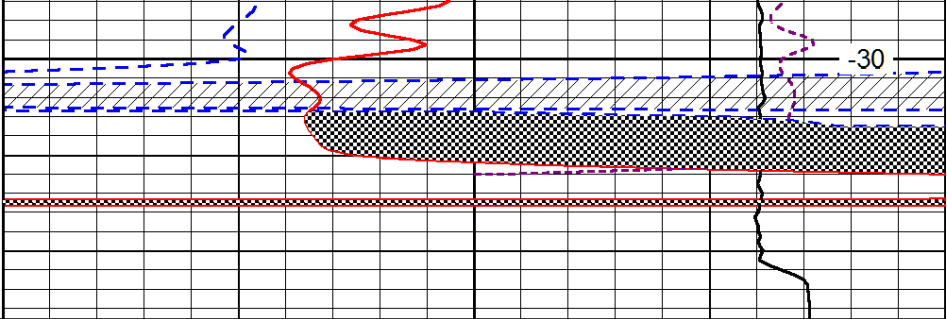








4450



0	Gamma Ray (GAPI)	150
6	Caliper (in)	16

30	CNLS (pu)				-10
30	Compensated Density (2.71 ma) (pu)				-10
2.625	DGA (g/cc)	3.425	-0.25	Correction (g/cc)	0.25
10000	Line Tension (lb)				0

LSPD
(ft/min)