



Dual Compensated Porosity Log

DIGITAL LOG (785) 625-3858

API No.

15-169-20,328-00-00

Company BOP West, LLC

Well Lyle Swisher No. 1

Field Hunter North

County Saline State Kansas

Location C, SW, NW, NW
990' FNL & 330' FWL

Sec: 8 Twp: 16 S Rge: 1 W

Other Services
DIL

Permanent Datum Ground Level Elevation 1308

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

K.B. 1317
D.F. 1308
G.L. 1308

Date 10/29/2011

Run Number One

Type Log CNL / CDL

Depth Driller 2735

Depth Logger 2738

Bottom Logged Interval 2717

Top Logged Interval 1700

Type Fluid In Hole Chemical

Salinity, PPM CL 1,500

Density 9.3

Level Full

Max. Rec. Temp. F 103

Operating Rig Time 2 Hours

Equipment -- Location 17 Hays

Recorded By D. Martin

Witnessed By B. Becker

Witnessed By Frank Mize

Borehole Record

Casing Record

Run No Bit From To Size Wgt. From To

One 12.25 00 212 8.625 23# 00 212

Two 7.875 212 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

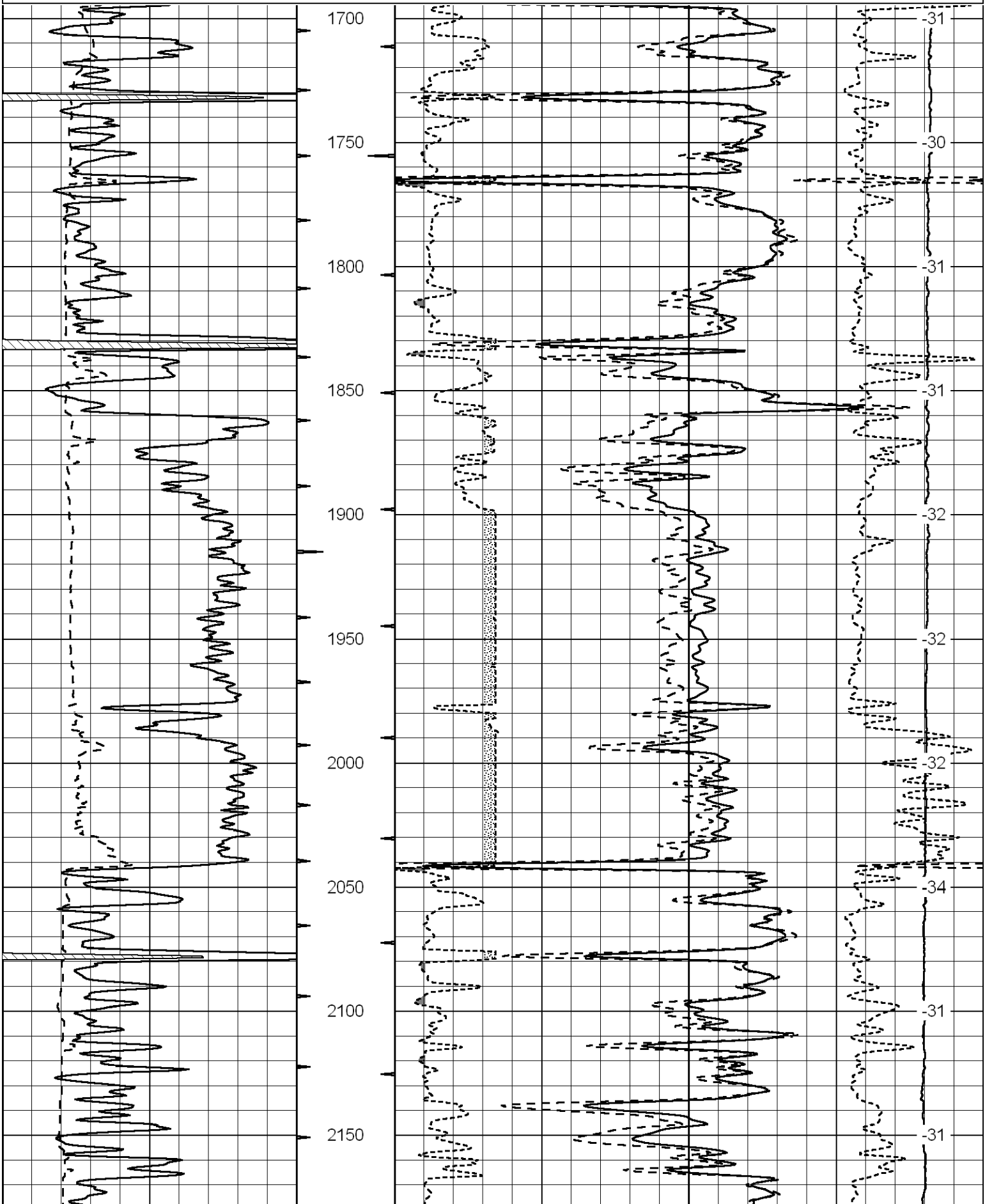
Thank you for using Log-Tech, Inc.
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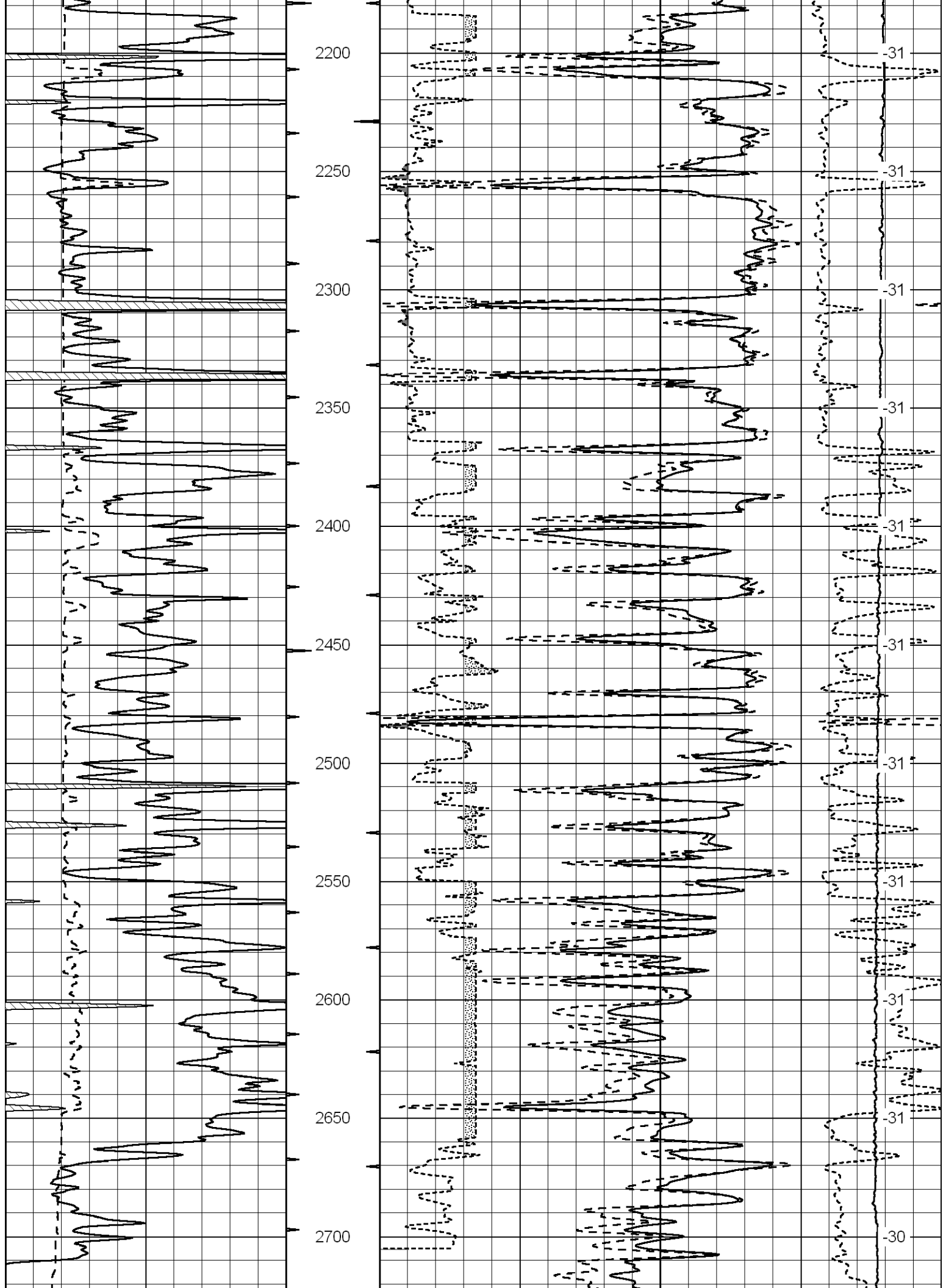
Gypsum, KS
Hwy 4, 2 W to Whitmore Rd., 2 1/4 S, E Into

Database File: bophd.db
Dataset Pathname: DIL/bopstk
Presentation Format: cdl
Dataset Creation: Sat Oct 29 07:25:20 2011
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





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: bophd.db
 Dataset Pathname: DIL/bopstk
 Presentation Format: cndlspec
 Dataset Creation: Sat Oct 29 07:25:20 2011
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray	150
6	Caliper (GAPI)	16

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

