



Pioneer Energy Services

## Dual Compensated Porosity Log

API No.	15-065-23,971-00-00		
Company	H&C Oil Operating, Inc.		
Well	Faulkner No. 14-2		
Field	Railroad Southeast		
County	Graham		
Location	E2-NW-SE-SW 990' FSL & 1800' FWL		
State	Kansas		
Other Services	DILMEL		

Permanent Datum	Ground Level	Elevation 2117
Log Measured From	Kelly Bushing	7 Ft. Above Perm. Datum
Drilling Measured From	Kelly Bushing	
Date	9/15/13	

Run Number	One
Type Log	CNL / CDL
Depth Driller	3623
Depth Logger	3621
Bottom Logged Interval	3600
Top Logged Interval	3000
Type Fluid In Hole	Chemical
Salinity, PPM CL	1,800
Density	9.2
Level	Full
Max. Rec. Temp. F	112
Operating Rig Time	3 1/2 Hours
Equipment -- Location	108 Hays
Recorded By	J. Henrickson
Witnessed By	Marc Downing

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	223	8.625	23#	00	223
Two	7.875	223	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

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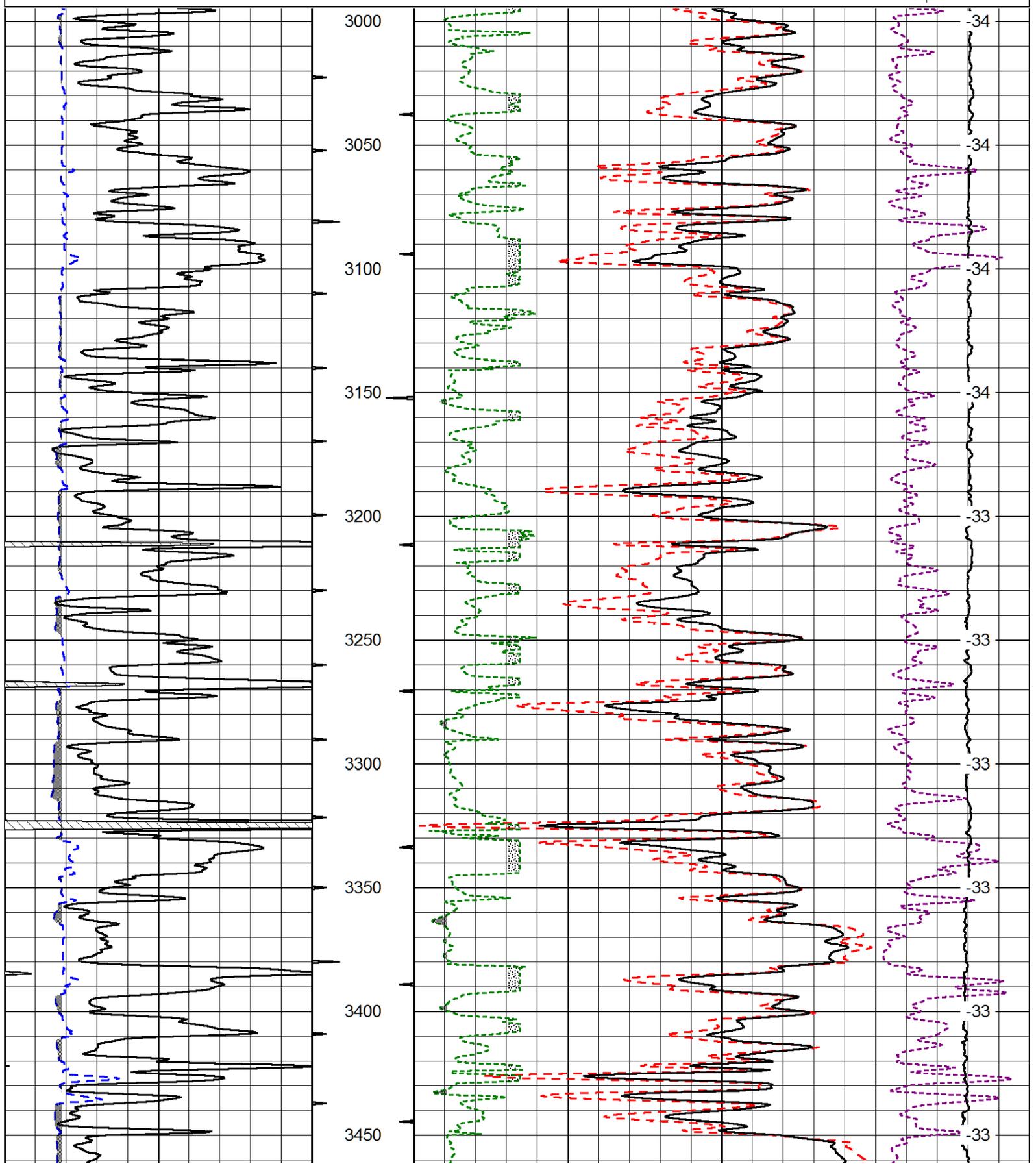
Bogue Kansas  
South Edge of Town, 3 1/2 West, South Into

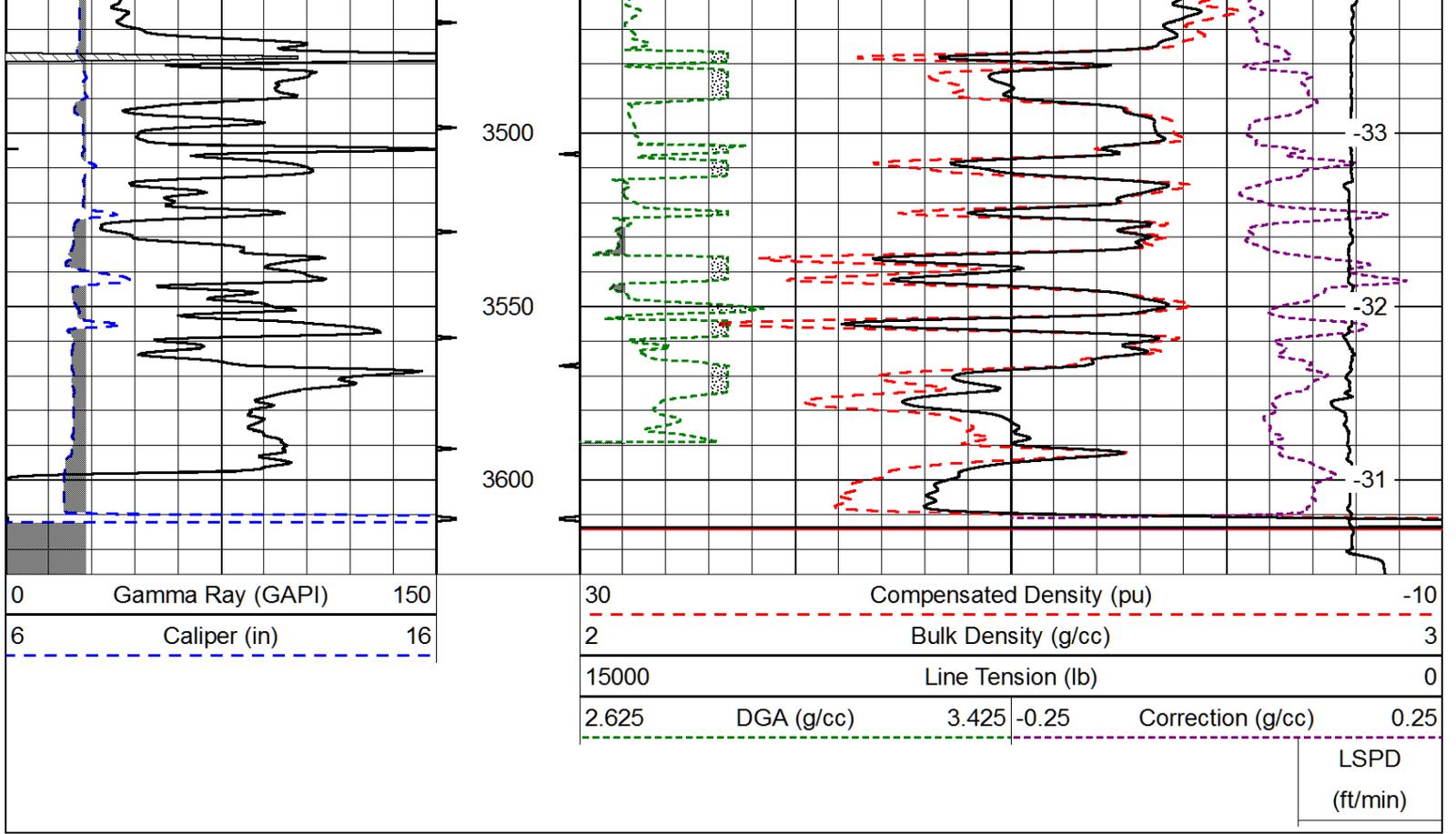
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 Dataset Pathname: DIL/hcstk  
 Presentation Format: cdl  
 Dataset Creation: Sun Sep 15 06:11:45 2013  
 Charted by: Depth in Feet scaled 1:600

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: h&c\_faulkner\_14\_2hd.db  
 Dataset Pathname: DIL/hcstk  
 Presentation Format: cndlspec  
 Dataset Creation: Sun Sep 15 06:11:45 2013  
 Charted by: Depth in Feet scaled 1:240

