



Pioneer Energy Services

Dual Compensated Porosity Log

15-065-23,969-00-00

API No.

Company **H&C Oil Operating, Inc.**
 Well **Benoit #22-1**
 Field **Unknown**
 County **Graham** State **Kansas**

Location

1100' FSL & 950' FEL

Sec: 22

Twp: 8S

Rge: 21W

Other Services
DIL
MEL

Permanent Datum Ground Level Elevation 2058
 Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

Elevation
K.B. 2065
D.F. 2058
G.L. 2058

Date	9/3/2013	
Run Number	One	
Type Log	CNL / CDL	
Depth Driller	3674	
Depth Logger	3670	
Bottom Logged Interval	3649	
Top Logged Interval	2900	
Type Fluid In Hole	Chemical	
Salinity, PPM CL	1,200	
Density	9.3	
Level	Full	
Max. Rec. Temp. F	113	
Operating Rig Time	3 1/2 Hours	
Equipment -- Location	108 Hays	
Recorded By	J. Henrickson	
Witnessed By	Marc Downing	

Borehole Record

Run No.	Bit	From	To	Size	Wgt.	From	To
1	12.25	00	222	8.625	24#	00	222
2	7.875	222	3674				

Casing Record

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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

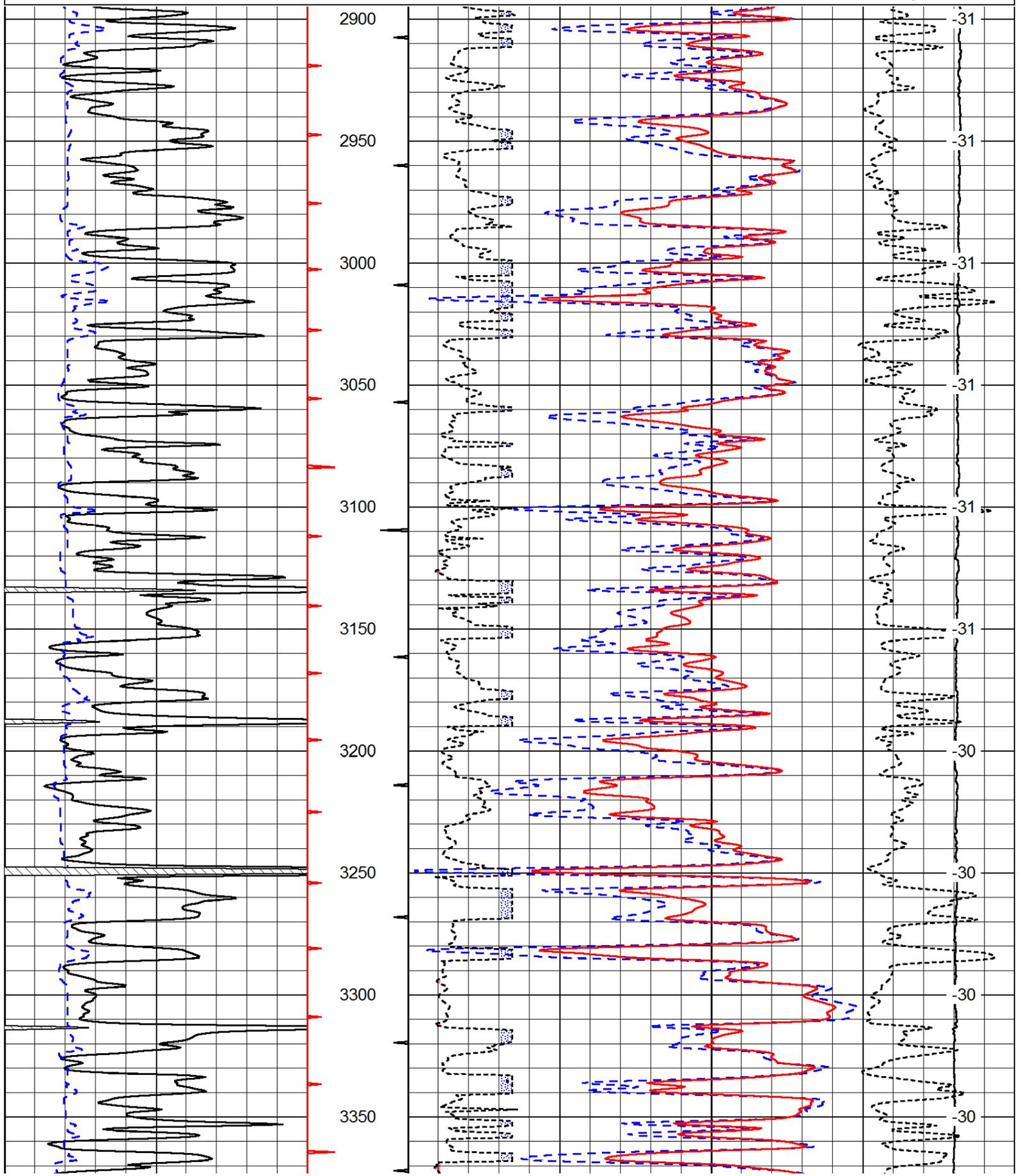
Thank you for using Pioneer Energy Services
www.pioneerenergy.com
 785 625 3858

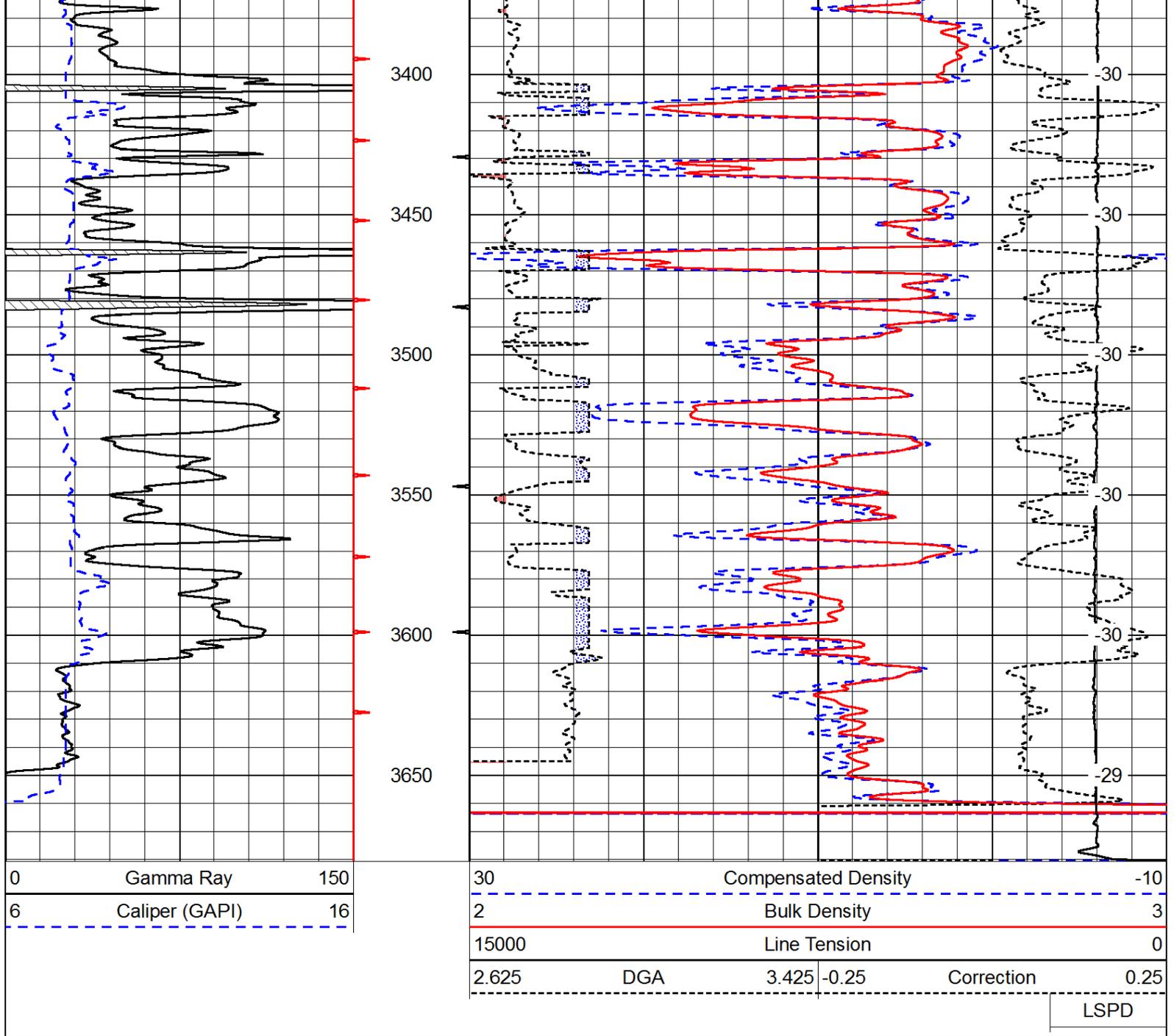
Damar Kansas
 3 1/2 West on Hwy 18 to 380 Ave, South Into

Database File: c:\warrior\data\h&c_benoit # 22-1\h&c_benoit_22_1hd.db
 Dataset Pathname: DIL/hcstk
 Presentation Format: cdl
 Dataset Creation: Tue Sep 03 07:32:40 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\h&c_benoit # 22-1\h&c_benoit_22_1hd.db
 Dataset Pathname: DIL/hcstk
 Presentation Format: cndlspec
 Dataset Creation: Tue Sep 03 07:32:40 2013
 Charted by: Depth in Feet scaled 1:240

