



Pioneer Energy Services

Dual Compensated Porosity Log

API No.	15-185-23834-00-00		
Company	H & D Exploration, LLC		
Well	Nichols "A" #1		
Field	Wildcat		
County	Stafford	State	Kansas
Location	W2 NE NW NE 330' FNL / 1903' FEL		
Sec: 22	Twp: 25S	Rge: 12W	Other Services DIL MEI/BHCS
Permanent Datum	Ground Level	Elevation 1861	Elevation
Log Measured From	Kelly Bushing	8 Ft. Above Perm. Datum	K.B. 1869
Drilling Measured From	Kelly Bushing		D.F. 1861
Date	10/12/2013		

Run Number	One		
Type Log	CNL / CDL		
Depth Driller	4275		
Depth Logger	4274		
Bottom Logged Interval	4253		
Top Logged Interval	3200		
Type Fluid In Hole	Chemical		
Salinity, PPM CL	6500		
Density	9.4		
Level	Full		
Max. Rec. Temp. F	119		
Operating Rig Time	5 Hours		
Equipment -- Location	17	Days	
Recorded By	R. Barnhart		
Witnessed By	Josh Austin		

Borehole Record				Casing Record			
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	662	8.625	23#	00	662
Two	7.875	662	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

Stafford, KS:
6S to Rd. 60, 1 1/2W, S into

Database File: h&d_hd.db
 Dataset Pathname: DIL/hdmain
 Presentation Format: cdl
 Dataset Creation: Sat Oct 12 15:49:27 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)















