



Pioneer Energy Services

Borehole Compensated Sonic Log

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
 CNL/CDL
 MEL/DIL

Permanent Datum Ground Level Elevation 1861
 Log Measured From Kelly Bushing 8 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing
 Date 10/12/2013
 Elevation
 K.B. 1869
 D.F.
 G.L. 1861

Run Number	Two
Type Log	BHC Sonic
Depth Driller	4275
Depth Logger	4274
Bottom Logged Interval	4263
Top Logged Interval	650
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				

<<< Fold Here >>>

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: sonic
 Dataset Creation: Sat Oct 12 15:49:27 2013
 Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	Sonic Int	140	Delta Time (usec/ft) (usec/ft)	40
150	Gamma Ray (GAPI)	300	5 (msec) 0	30	Sonic Porosity (pu)	-10
6	dCAL (in)	16		15000	LTEN (lb) (lb)	0
						LSPD (ft/min)

































