



**Borehole Compensated  
Sonic Log**

**DIGITAL LOG (785) 625-3858**

API No. 15-051-25947-00-00	Company <b>Murfin Drilling Company, Inc.</b>	Location <b>1650' FSL &amp; 1080' FEL</b>	Other Services CNL/CDL MEL/DIL
Well <b>Haselhorst No. 1-4</b>	County <b>Ellis</b>		
Field <b>Stadelman</b>	State <b>Kansas</b>		
Sec: <b>4</b>	Twp: <b>14 S</b>	Rge: <b>19 W</b>	Elevation K.B. 2234 D.F. 2229 G.L. 2229
Permanent Datum Log Measured From Drilling Measured From	Ground Level Kelly Bushing Kelly Bushing	Elevation 2229 5 Ft. Above Perm. Datum	

Date	1/15/2010
Run Number	two
Type Log	BHC Sonic
Depth Driller	3960
Depth Logger	3962
Bottom Logged Interval	3951
Top Logged Interval	200
Type Fluid In Hole	Chemical
Salinity, PPM CL	8,900
Density	9.1
Level	Full
Max. Rec. Temp. F	116
Operating Rig Time	5 Hours
Equipment -- Location	15 Hays
Recorded By	B. Becker
Witnessed By	Paul Gunzelman

Run No	Bit	Borehole Record		Casing Record	
		From	To	From	To
1	12.25	00	218	8.625	24#
2	7.875	218	3960		

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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

Hays, Ks; West on Golf Course Rd to Yocemento Rd;  
1/2 North; West Into Location

Database File: c:\warrior\data\murfin\_hasellhorst #1-4\murfinhd.db  
 Dataset Pathname: DIL/murfstk2  
 Presentation Format: sonic  
 Dataset Creation: Fri Jan 15 17:40:40 2010  
 Charted by: Depth in Feet scaled 1:240

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







































