



Pioneer Energy Services

## Borehole Compensated Sonic Log

**API No.** 15-145-21,763-00-00  
**Company** Downing-Nelson Oil Company, Inc.  
**Well** Brenda #1-8  
**Field** Browns Grove  
**County** Pawnee **State** Kansas  
**Location** 1370' FSL & 2310' FEL  
**Sec:** 8 **Twp:** 20S **Rge:** 20W  
**Other Services** CNL/CDL MEL/DIL

**Permanent Datum** Ground Level Elevation 2180  
**Log Measured From** Kelly Bushing 8 Ft. Above Perm. Datum  
**Drilling Measured From** Kelly Bushing  
**Elevation** K.B. 2188  
 D.F. G.L. 2180

Date	4/21/2104
Run Number	Two
Type Log	BHC Sonic
Depth Driller	4336
Depth Logger	4337
Bottom Logged Interval	4326
Top Logged Interval	1150
Type Fluid In Hole	Chemical
Salinity, PPM CL	5000
Density	9.5
Level	Full
Max. Rec. Temp. F	119
Operating Rig Time	6 Hours
Equipment -- Location	15 Days
Recorded By	D Kerr
Witnessed By	AI Downing

Borehole Record		Casing Record					
Run No.	Bit	From	To	Size	Wgt.	From	To
One	12.25	00	1171	8.625	23#	00	1171
Two	7.875	1171					

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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  
  
 Alexander KS, 10 South to X RD,  
 1/4 West, North Into

Database File: downingnelson\_brenda\_1\_8hd.db  
 Dataset Pathname: DIL/dnstk  
 Presentation Format: sonic  
 Dataset Creation: Mon Apr 21 22:14:22 2014  
 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)





























