



Pioneer Energy Services

Borehole Compensated Sonic Log

15-171-20,935-00-00

API No.

Company **Landmark Resources, Inc.**
 Well **Decker #1-17**
 Field **Wildcat**
 County **Scott** State **Kansas**

Location **2525' FNL & 2100' FEL**
 Sec: **17** Twp: **17 S** Rge: **34 W**

Other Services
 CNL/CDL
 MEL/DIL

Elevation
 K.B. 3150
 D.F. 3139
 G.L. 3139

| | | |
|------------------------|------------|--|
| Date | 3/20/2013 | |
| Run Number | Two | |
| Type Log | BHC Sonic | |
| Depth Driller | 5010 | |
| Depth Logger | 5011 | |
| Bottom Logged Interval | 5000 | |
| Top Logged Interval | 200 | |
| Type Fluid In Hole | Chemical | |
| Salinity, PPM CL | 9000 | |
| Density Level | 9.5 | |
| Level | Full | |
| Max. Rec. Temp. F | 126 | |
| Operating Rig Time | 6 Hours | |
| Equipment -- Location | 17 Hays | |
| Recorded By | D. Martin | |
| Witnessed By | Wes Hansen | |

| Borehole Record | | | Casing Record | | | |
|-----------------|----------|-----|---------------|----------|------|-----|
| Run No. | Bit From | To | Size | Wgt. 24# | From | To |
| 1 | 12.25 | 00 | 236 | 8.625 | 00 | 236 |
| 2 | 7.875 | 236 | 5010 | | | |
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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.pioneerres.com
 785 625 3858

 Scott City, KS
 8 W, 1 N, 1 W, 5 1/2 N, 1 W, W Into

Database File: c:\warrior\data\landmark_decker #1-17\landhd.db
 Dataset Pathname: DIL\lanstk
 Presentation Format: sonic
 Dataset Creation: Wed Mar 20 06:54:56 2013
 Charted by: Depth in Feet scaled 1:240

| | | | | | | |
|-----|----------------|-----|-----------|-------|----------------------|-----|
| 0 | Gamma Ray | 150 | Sonic Int | 140 | Delta Time (usec/ft) | 40 |
| 150 | Gamma Ray | 300 | 5 | 0 | SPOR | -10 |
| 6 | Caliper (GAPI) | 16 | | 15000 | LTEN (lb) | 0 |

LSPD













































