



DIGITAL LOG (785) 625-3858

Dual Compensated Porosity Log

15-101-22,325-00-00

API No. 15-101-22,325-00-00

Company Larson Engineering, Inc.
 Well Gail No. 1-21
 Field Reifschneider Southeast
 County Lane State Kansas

Location SE SW NE NE
 1165' FNL & 950' FEL

Sec: 21 Twp: 18 S Rge: 29 W

Other Services
 DIL
 MEL

Permanent Datum Ground Level Elevation 2808
 Log Measured From Kelly Bushing 7 Ft. Above Perm. Datum
 Drilling Measured From Kelly Bushing

K.B. 2815
 D.F.
 G.L. 2808

| | | | | | | | |
|------------------------|-------------|------|---------------|-------|------|------|-----|
| Date | 11/14/2011 | | | | | | |
| Run Number | One | | | | | | |
| Type Log | CNL / CDL | | | | | | |
| Depth Driller | 4655 | | | | | | |
| Depth Logger | 4659 | | | | | | |
| Bottom Logged Interval | 4638 | | | | | | |
| Top Logged Interval | 3600 | | | | | | |
| Type Fluid In Hole | Chemical | | | | | | |
| Salinity, PPM CL | 2600 | | | | | | |
| Density | 9.1 | | | | | | |
| Level | Full | | | | | | |
| Max. Rec. Temp. F | 123 | | | | | | |
| Operating Rig Time | 4 1/2 Hours | | | | | | |
| Equipment -- Location | 15 Hays | | | | | | |
| Recorded By | Daylon Kerr | | | | | | |
| Witnessed By | Vern Schrag | | | | | | |
| Borehole Record | | | Casing Record | | | | |
| Run No. | Bit | From | To | Size | Wgt. | From | To |
| 1 | 12.25 | 00 | 261 | 8.625 | 24# | 00 | 261 |
| 2 | 7.875 | 261 | 4655 | | | | |

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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

Dighton KS,
 West 3 1/4, 1/4 South,
 East Into

Database File: c:\warrior\data\larson_gail no. 1-21\larson_gail_1_21hd.db
 Dataset Pathname: DIL\larstk
 Presentation Format: cdl
 Dataset Creation: Mon Nov 14 23:23:13 2011
 Charted by: Depth in Feet scaled 1:600

| | | |
|---|----------------|-----|
| 0 | Gamma Ray | 150 |
| 6 | Caliper (GAPI) | 16 |

| | | | |
|------------|---------------------|-------|-------|
| 30 | Compensated Density | | -10 |
| 2 | Bulk Density | | 3 |
| 15000 | Line Tension | | 0 |
| 2.625 | DGA | 3.425 | -0.25 |
| Correction | | | 0.25 |
| LSPD | | | |















