



Computer Processed  
Interpretation

DIGITAL LOG (785) 625-3858

|                        |  |                                                          |  |                                      |  |
|------------------------|--|----------------------------------------------------------|--|--------------------------------------|--|
| API No.                |  | Company Russell Oil, Inc.                                |  |                                      |  |
| 15-167-23696-00-00     |  | Well Hubert Keil #4                                      |  |                                      |  |
|                        |  | Field Nuss                                               |  |                                      |  |
|                        |  | County Russell                                           |  | State                                |  |
|                        |  | Kansas                                                   |  |                                      |  |
| Location               |  | N2 SW SW NW<br>2100' FNL / 330' FWL                      |  | Other Services<br>DIL/CNL/CDL<br>MEL |  |
| Sec: 32                |  | Twp: 15S                                                 |  | Rge: 14W                             |  |
| Permanent Datum        |  | Ground Level                                             |  | Elevation 1849                       |  |
| Log Measured From      |  | Kelly Bushing                                            |  | 7 Ft. Above Perm. Datum              |  |
| Drilling Measured From |  | From Kelly Bushing                                       |  | K.B. 1856<br>D.F. 1849<br>G.L. 1849  |  |
| Date Recorded          |  | 4/17/2011                                                |  |                                      |  |
| Depth Logger           |  | 3504                                                     |  |                                      |  |
|                        |  | Curve Definitions                                        |  |                                      |  |
| SW                     |  | Water Saturation                                         |  |                                      |  |
| SXO                    |  | Water Saturation In The Flushed Zone                     |  |                                      |  |
| VCL                    |  | Volume Of Clay                                           |  |                                      |  |
| PHIE                   |  | Density - Neutron Crossplot Shale Corrected              |  |                                      |  |
| BVW                    |  | Bulk Volume Water                                        |  |                                      |  |
| BVWSXO                 |  | Bulk Volume Water In Flushed Zone                        |  |                                      |  |
| DCAL                   |  | Caliper                                                  |  |                                      |  |
| SPC                    |  | SP Corrected For Baseline                                |  |                                      |  |
| DGA                    |  | Apparent Grain Density                                   |  |                                      |  |
| Payflag                |  | If: PHIE> 2 %, VCL< 40 %, SPC> -10 , SW< 50 % & DCAL< 11 |  |                                      |  |
| Recorded By            |  | R. Barnhart                                              |  |                                      |  |
| Witnessed By           |  | Steven D. Angle                                          |  |                                      |  |
| Analysis By            |  | T. Martin                                                |  |                                      |  |

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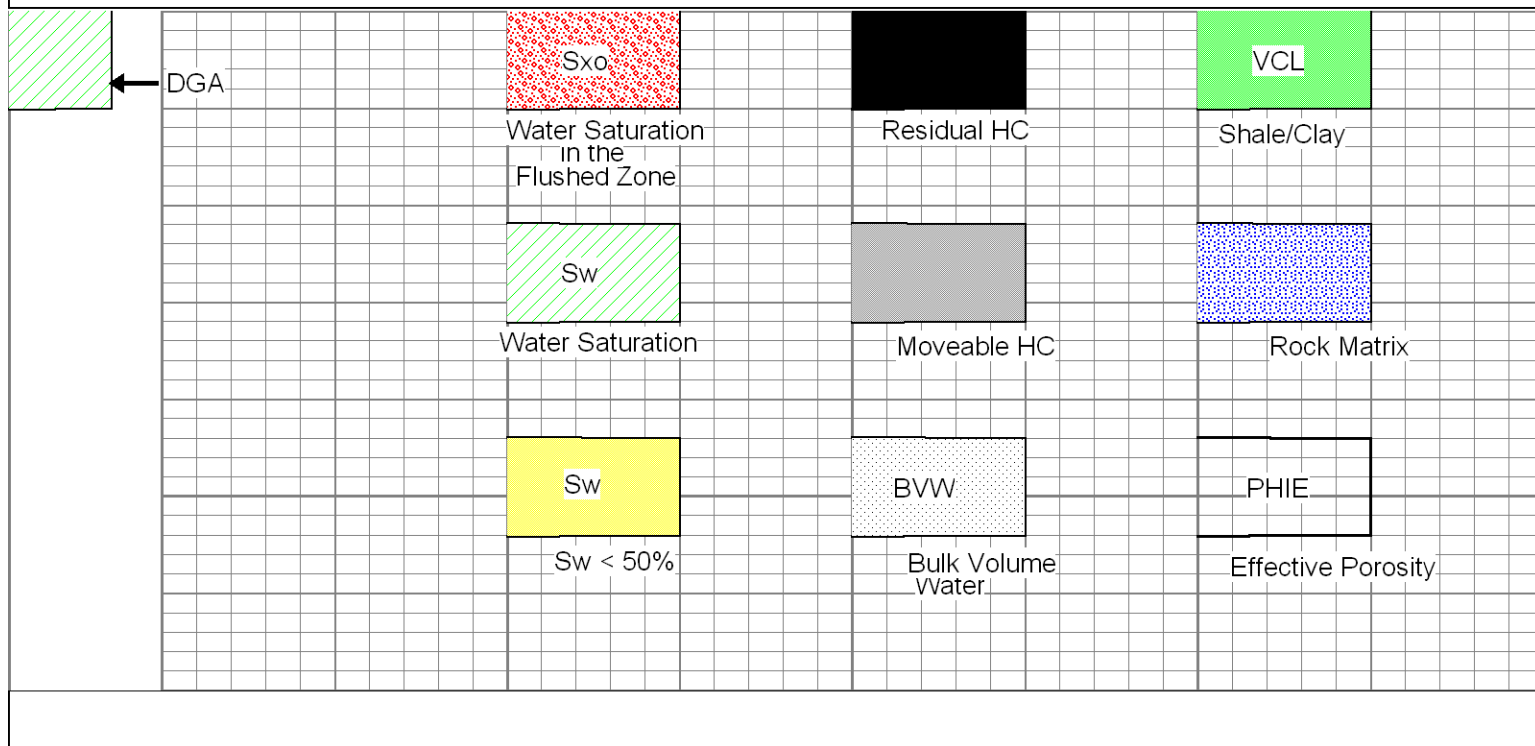
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Comments

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Millberger, KS:  
1/2S, E into

Database File: c:\warrior\data\cross plots\2wxplt.db  
Dataset Pathname: litho  
Presentation Format: 2wxplt  
Dataset Creation: Thu Apr 24 14:32:02 1997  
Charted by: Depth in Feet scaled 1:240



Database File: russhd.db  
 Dataset Pathname: dil/rslopi  
 Presentation Format: calc  
 Dataset Creation: Sun Apr 17 19:19:28 2011  
 Charted by: Depth in Feet scaled 1:240

|     |     |     |      |             |     |    |         |     |        |      |    |   |      |   |
|-----|-----|-----|------|-------------|-----|----|---------|-----|--------|------|----|---|------|---|
| 20  | CLF | 1   | 0    | Gamma Ray   | 150 | 1  | SW      | 0   | 0.3    | PHIE | 0  | 0 | VCL  | 1 |
| 2.6 | LM  | 3.1 | 6    | DCAL (GAPI) | 16  | 30 | PAYFLAG | 0   | 0.3    | BVW  | 0  | 1 | PHIE | 0 |
| DGA |     |     | -150 | SPC         | 0   | 1  | SXO     | 0   | 0      | PERM | 30 |   |      |   |
| 2.6 | 3.1 |     |      |             |     |    |         | 0.3 | BVWSXO | 0    |    |   |      |   |

