



Dual Compensated  
Porosity Log

DIGITAL LOG (785) 625-3858

|                        |                       |                         |                           |
|------------------------|-----------------------|-------------------------|---------------------------|
| API No.                | 15-051-26267-00-00    |                         |                           |
| Company                | Hertel Oil Co., LLC   |                         |                           |
| Well                   | Wolf #2               |                         |                           |
| Field                  | Dechant South         |                         |                           |
| County                 | Ellis                 |                         |                           |
| State                  | Kansas                |                         |                           |
| Location               | 1200' FNL & 1750' FEL |                         |                           |
| Sec:                   | 13                    | Twp:                    | 15S                       |
|                        |                       | Rge:                    | 19W                       |
| Permanent Datum        | Ground Level          | Elevation 2031          | Other Services<br>DIL/MEL |
| Log Measured From      | Kelly Bushing         | 8 Ft. Above Perm. Datum |                           |
| Drilling Measured From | Kelly Bushing         |                         |                           |

|                        |             |           |           |
|------------------------|-------------|-----------|-----------|
| Date                   | 2/29/2011   | Elevation | K.B. 2039 |
| Run Number             | One         |           | D.F. 2031 |
| Type Log               | CNL / CDL   |           |           |
| Depth Driller          | 3767        |           |           |
| Depth Logger           | 3770        |           |           |
| Bottom Logged Interval | 3749        |           |           |
| Top Logged Interval    | 2900        |           |           |
| Type Fluid In Hole     | Chemical    |           |           |
| Salinity, PPM CL       | 3000        |           |           |
| Density                | 9.1         |           |           |
| Level                  | Full        |           |           |
| Max. Rec. Temp. F      | 114         |           |           |
| Operating Rig Time     | 4 Hours     |           |           |
| Equipment -- Location  | 17 Hays     |           |           |
| Recorded By            | D. Schmidt  |           |           |
| Witnessed By           | Jeff Lawler |           |           |

| Borehole Record |       |      |     | Casing Record |      |      |     |
|-----------------|-------|------|-----|---------------|------|------|-----|
| Run No          | Bit   | From | To  | Size          | Wgt. | From | To  |
| One             | 12.25 | 00   | 223 | 8.625         | 23#  | 00   | 223 |
| Two             | 7.875 | 223  | TD  |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |
|                 |       |      |     |               |      |      |     |

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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

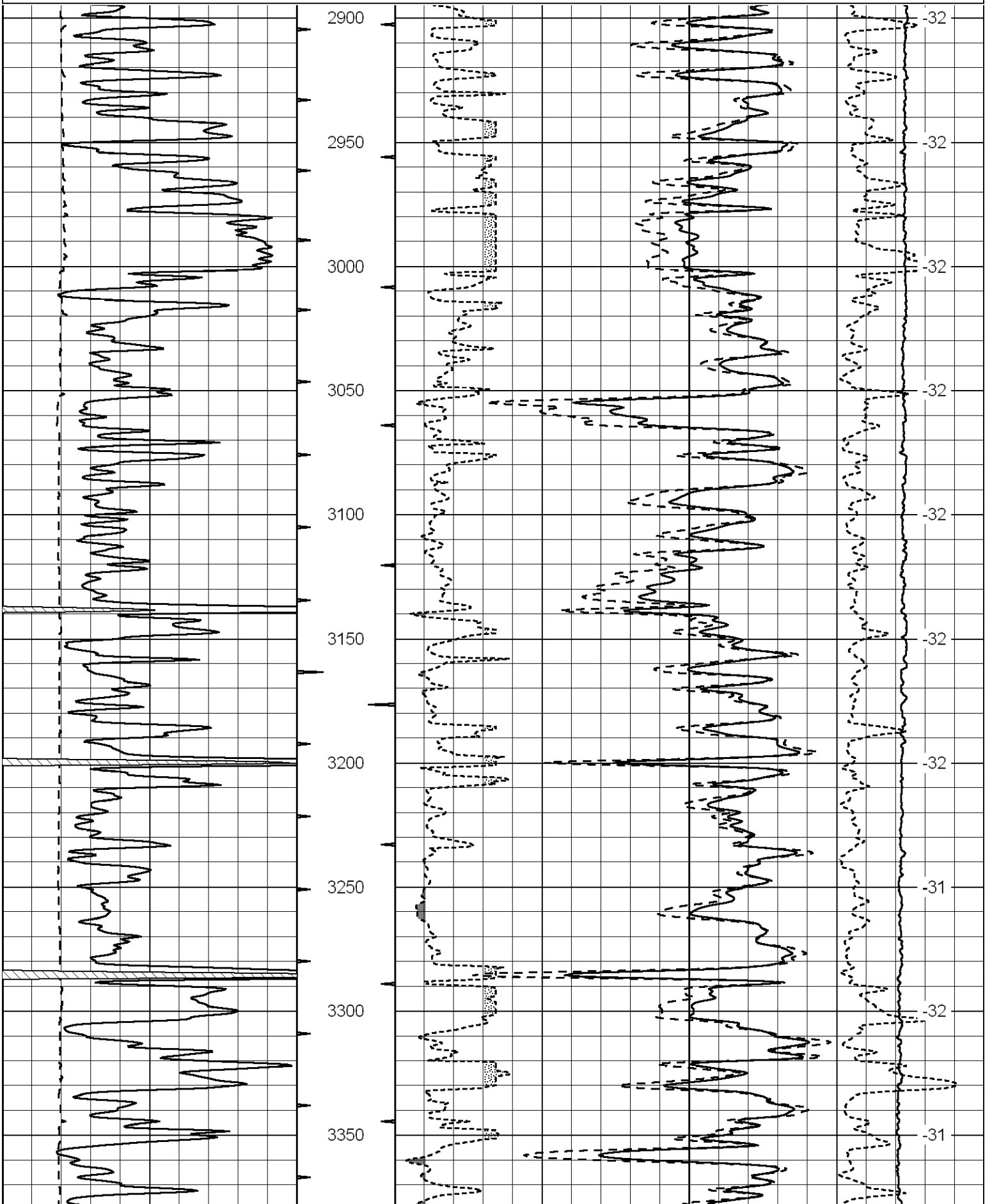
Thank you for using Log-Tech, Inc.  
(785) 625-3858

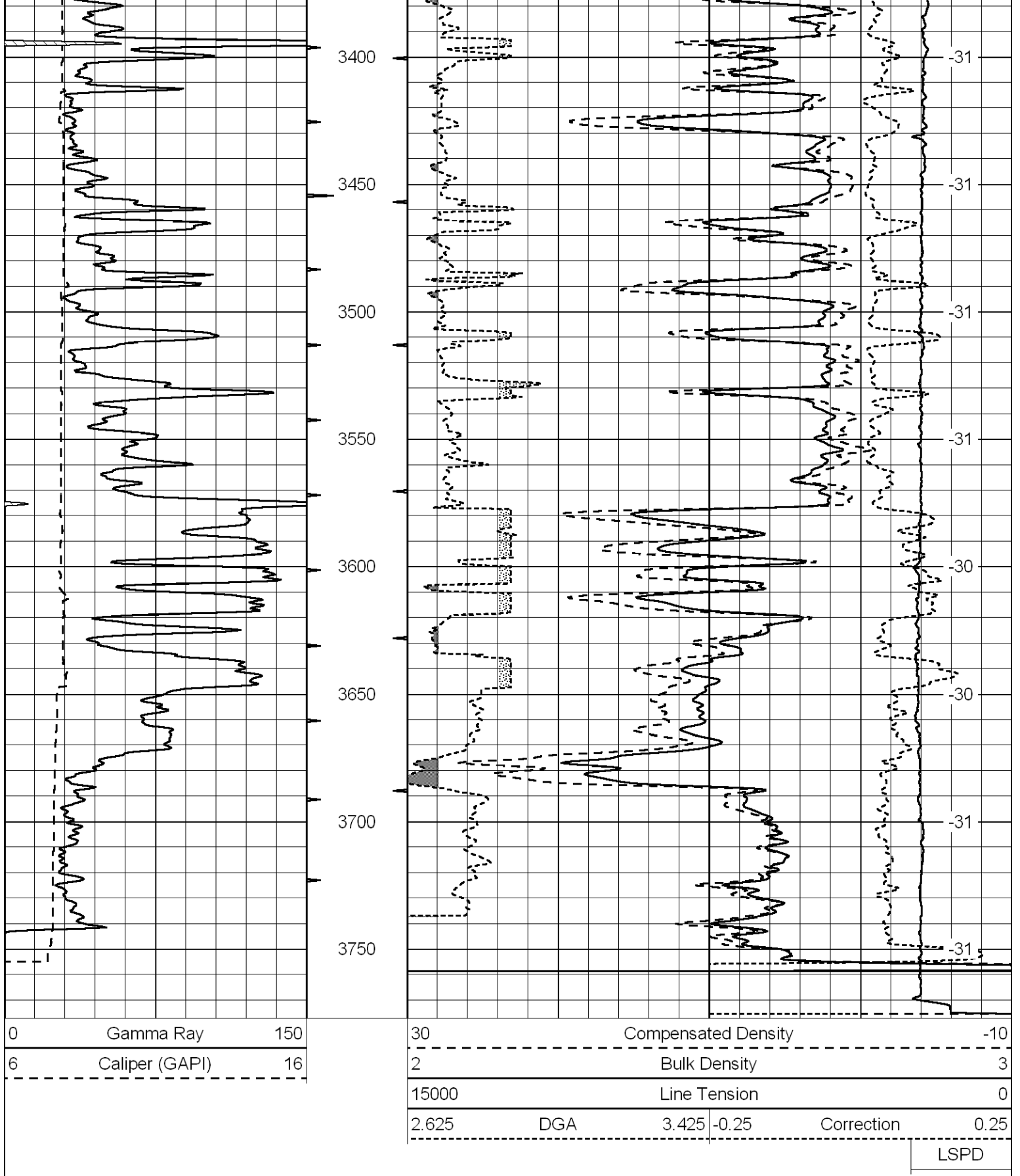
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Database File: hertel\_wolf-2hd.db  
 Dataset Pathname: dil/hertstack  
 Presentation Format: cdl  
 Dataset Creation: Wed Feb 29 05:28:48 2012  
 Charted by: Depth in Feet scaled 1:600

|   |                |     |
|---|----------------|-----|
| 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  |





Database File: hertel\_wolf-2hd.db  
 Dataset Pathname: dil/hertstack  
 Presentation Format: cndlspec  
 Dataset Creation: Wed Feb 29 05:28:48 2012  
 Charted by: Depth in Feet scaled 1:240

