| | |
|---|---|
| Company | LaVeta Oil & Gas |
| Well | Vinita Gatton #2 |
| Field | Richardson |
| County | Stafford |
| State | Kansas |

# DUAL INDUCTION LOG

Company LaVeta Oil & Gas
Well Vinita Gatton #2
Field Richardson
County Stafford State Kansas

Location: API # : 15 185 23789
1940 FNL & 1830 FWL
SEC 29 TWP 22S RGE 11W

Other Services
CDNL

Permanent Datum Ground Level Elevation 1828'
Log Measured From KB 5' AGL
Drilling Measured From KB

Elevation
K.B. 1833'
D.F. 1832'
G.L. 1828'

| | | |
|---|---|---|
| Date | 1-24-13 | |
| Run Number | One | |
| Depth Driller | 3650' | |
| Depth Logger | 3650' | |
| Bottom Logged Interval | 3648' | |
| Top Log Interval | 2600' | |
| Casing Driller | 214' | |
| Casing Logger | 214' | |
| Bit Size | 7 7/8" | |
| Type Fluid in Hole | Chemical | |
| Density / Viscosity | 9.1/74 | |
| pH / Fluid Loss | 11.0/8.8 | |
| Source of Sample | Pit | |
| Rm @ Meas. Temp | 1.91@68degf | |
| Rmf @ Meas. Temp | 1.43@68degf | |
| Rmc @ Meas. Temp | 3.06@68degf | |
| Source of Rmf / Rmc | Calculated | |
| Rm @ BHT | 1.16@112degf | |
| Time Circulation Stopped | 12:30 p.m. | |
| Time Logger on Bottom | 3:00 p.m. | |
| Maximum Recorded Temperature | 112 degf | |
| Equipment Number | T045 | |
| Location | Hays, KS. | |
| Recorded By | Gus Pfanenstiel | |
| Witnessed By | Mr. Bruce Reed | Mr. Bennie Griffin |

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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

## Main Pass

Database File: lvovinita#2oh.db
Dataset Pathname: pass2
Presentation Format: kdillin2
Dataset Creation: Thu Jan 24 14:58:11 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:600

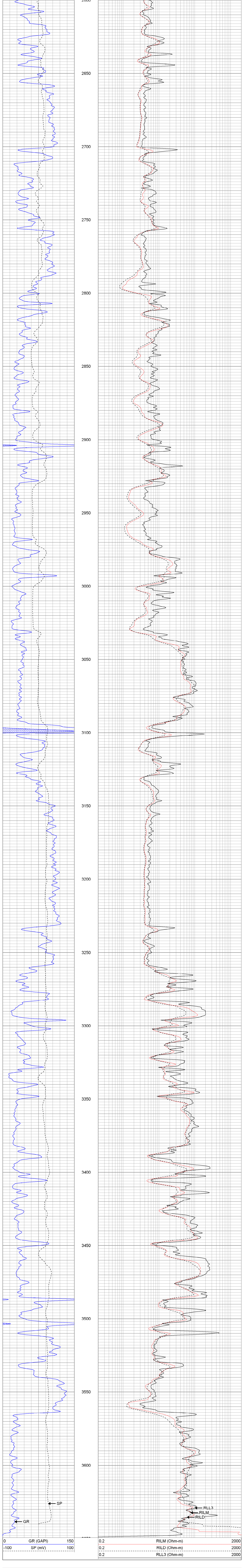
0 GR (GAPI) 150
-200 SP (mV) 0
0 RILD (Ohm-m) 50
0 RLL3 (Ohm-m) 50
1000 CILD (mmho/m) 0
10000 LTEN (lb) 0
50 RILD x 10 (Ohm-m) 500
50 RLL3 x 10 (Ohm-m) 500

0 GR (GAPI) 150
-200 SP (mV) 0
0 RILD (Ohm-m) 50
0 RLL3 (Ohm-m) 50
1000 CILD (mmho/m) 0
10000 LTEN (lb) 0
50 RILD x 10 (Ohm-m) 500
50 RLL3 x 10 (Ohm-m) 500

## Main Pass

Database File: lvovinita#2oh.db
Dataset Pathname: pass2
Presentation Format: kdil
Dataset Creation: Thu Jan 24 14:58:11 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0 GR (GAPI) 150
-100 SP (mV) 100
0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000

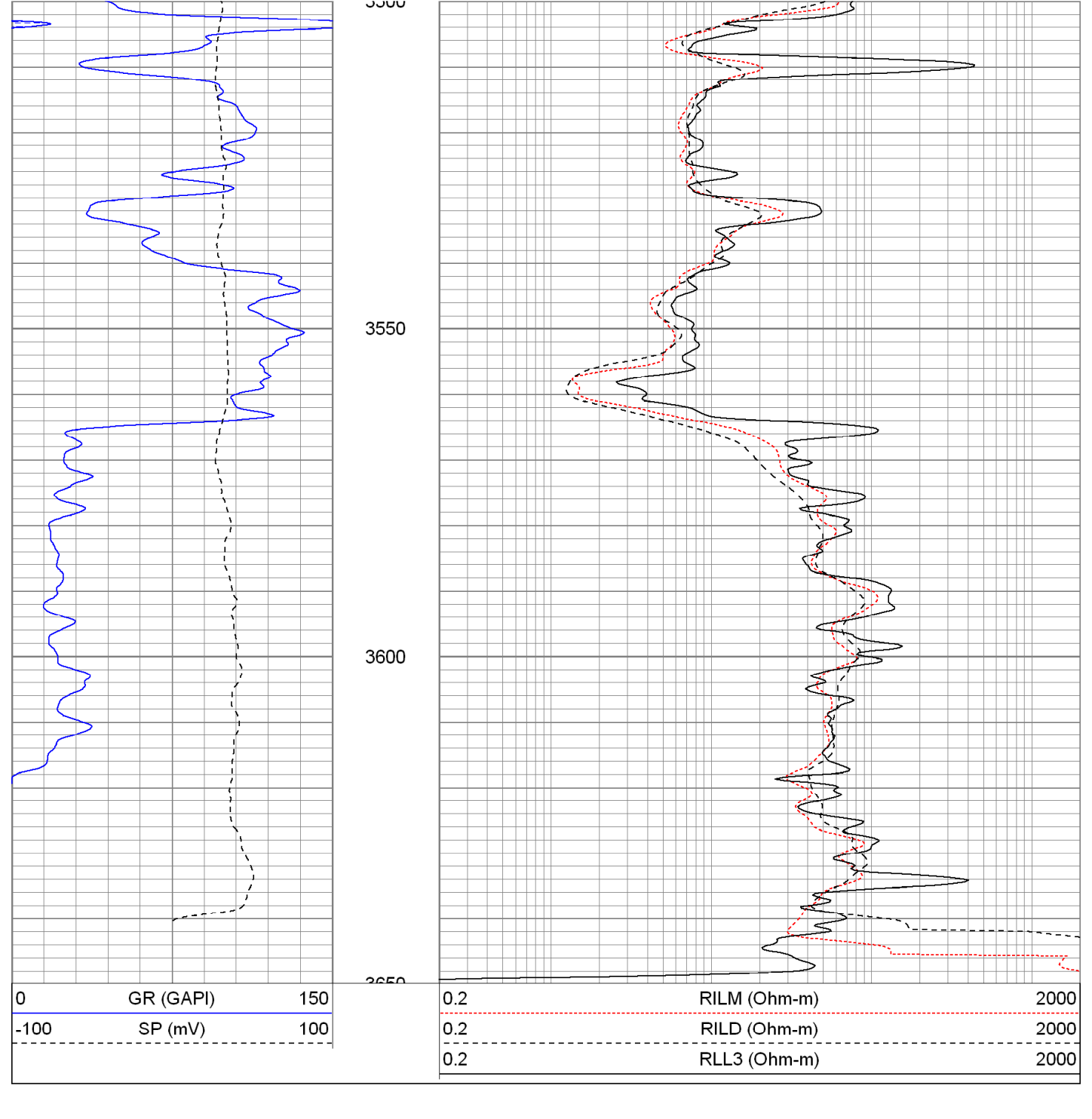


0 GR (GAPI) 150
-100 SP (mV) 100
0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000

## Repeat Pass

Database File: lvovinita#2oh.db
Dataset Pathname: pass1
Presentation Format: kdil
Dataset Creation: Thu Jan 24 14:46:10 2013 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

0 GR (GAPI) 150
-100 SP (mV) 100
0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000



0 GR (GAPI) 150
-100 SP (mV) 100
0.2 RILM (Ohm-m) 2000
0.2 RILD (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000

### Calibration Report

Database File: lvovinita#2oh.db
Dataset Pathname: pass1
Dataset Creation: Thu Jan 24 14:46:10 2013 by Log Open-Cased 100827

### Dual Induction Calibration Report

Serial-Model: 5375-G
Surface Cal Performed: Thu Sep 13 16:02:51 2012
Downhole Cal Performed: Thu Sep 13 16:03:26 2012

Surface Calibration

| | Readings | | | References | | | Results | |
|---|---|---|---|---|---|---|---|---|
| Loop: | Air | Loop | | Air | Loop | | m | b |
| Deep | 0.002 | 0.640 | V | 0.000 | 350.000 | mmho/m | 548.531 | -1.045 |
| Medium | 0.005 | 0.742 | V | 0.000 | 400.000 | mmho/m | 542.602 | -2.696 |
| Internal: | Zero | Cal | | Zero | Cal | | m | b |
| Deep | 0.001 | 0.640 | V | 0.000 | 350.000 | mmho/m | 547.641 | -0.739 |
| Medium | 0.005 | 0.742 | V | 0.000 | 550.000 | mmho/m | 745.701 | -3.500 |

Downhole Calibration

| | Readings | | | References | | | Results | |
|---|---|---|---|---|---|---|---|---|
| Internal: | Zero | Cal | | Zero | Cal | | m | b |
| Deep | 0.094 | 350.007 | mmho/m | -0.305 | 350.264 | mmho/m | 1.002 | -0.399 |
| Medium | 0.252 | 399.957 | mmho/m | -0.149 | 400.053 | mmho/m | 1.001 | -0.401 |
| Shallow | 2.471 | 0.009 | V | 500.000 | 2.000 | Ohm-m | 202.280 | 0.097 |

### Compensated Density Calibration Report

Serial-Model: 2388DHT-DHT
Source / Verifier: /
Master Calibration Performed: Mon Jan 07 17:00:17 2013

Master Calibration

| | Density | | Far Detector | Near Detector | |
|---|---|---|---|---|---|
| Magnesium | 1.750 | g/cc | 717.11 | 305.57 | cps |
| Aluminum | 2.620 | g/cc | 140.63 | 205.93 | cps |

Spine Angle = 76.38
Density/Spine Ratio = 0.519

| | Size | | Reading |
|---|---|---|---|
| Small Ring | 8.25 | in | 5771.32 |
| Large Ring | 14.00 | in | 10165.20 |

### Gamma Ray Calibration Report

Serial Number: 2001
Tool Model: OH
Performed: Mon Jan 07 17:00:47 2013

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.2300 GAPI/cps

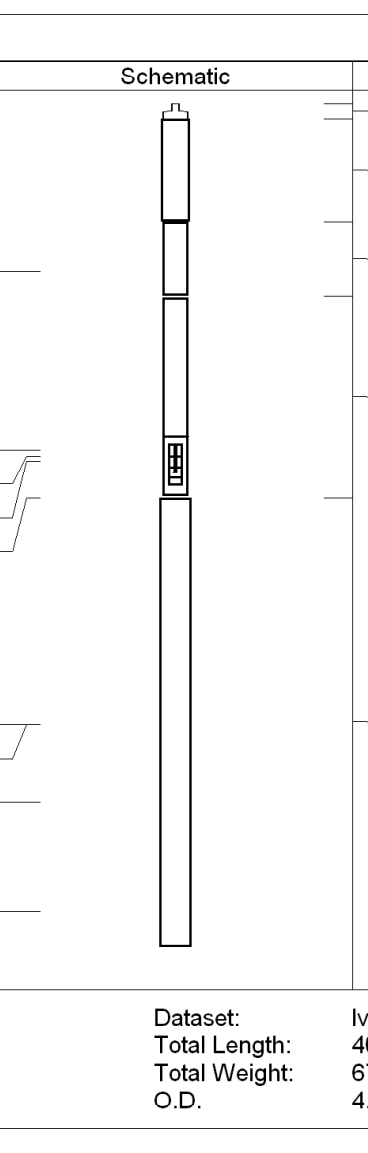
### Neutron Calibration Report

Serial Number: 5108
Tool Model: PROBE
Performed: Mon Jan 07 17:00:44 2013

Calibrator Value: 1 NAPI

Calibrator Reading: 1 cps

Sensitivity: 1 NAPI/cps

| Sensor | Offset (ft) | Schematic | Description | Len (ft) | OD (in) | Wt (lb) |
|---|---|---|---|---|---|---|
| | |  | None | 0.75 | 1.50 | 5.00 |
| NEU | 37.85 | | NEU-PROBE (5108)<br>Probe | 4.92 | 3.63 | 85.00 |
| GR | 32.32 | | GR-OH (2001)<br>2001 | 3.56 | 3.25 | 40.00 |
| LSD<br>DCAL<br>SSD<br>HEADVOLT | 23.78<br>23.49<br>23.24<br>21.47 | | CDL-DHT (2388DHT)<br>Digital High Temp CDL Tool | 9.69 | 4.00 | 201.00 |
| CILD<br>SP<br>CILM | 10.60<br>10.60<br>6.89 | | DIL-G (5375)<br>Gearhart | 21.47 | 4.00 | 345.00 |
| RLL3 | 1.70 | | | | | |

Dataset: lvovinita#2oh.db: field/well/run1/pass1
Total Length: 40.39 ft
Total Weight: 676.00 lb
O.D.: 4.00 in