DRILL STEM TEST REPORT

Toto Energy
25815 Oak Ridge Rd
Spring, TX 73380

ATTN: Sean Deenihan
Test Start: 2013.07.26 @ 16:07:24

GENERAL INFORMATION:

Formation: Douglas  
Deviated: No  
Test Type: Conventional Bottom Hole (Initial)
Test Tool Opened: 18:01:54  
Tester: Leal Cason
Time Test Ended: 23:58:39  
Unit No: 45
Reference Elevations: 1970.00 ft (KB)  
KB to GR/CF: 11.00 ft

Interval: 4210.00 ft (KB) To 4230.00 ft (KB) (TVD)
Total Depth: 4230.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches
Hole Condition: Good

Serial #: 6798  
Press@RunDepth: 1435.75 psig @ 4211.00 ft (KB)
Start Date: 2013.07.26  
Capacity: 8000.00 psig
Start Time: 16:07:25  
Last Calib.: 2013.07.27
End Date: 2013.07.26  
Time On Btm: 2013.07.26 @ 20:12:09
Start Time: 16:07:25  
End Time: 23:58:39  
Time Off Btm: 2013.07.26 @ 20:12:09

TEST COMMENT:
IF: Strong Blow, BOB in 10 seconds, GTS in 2 minutes, Gauged & Caught sample
IS: Would Not Completely Bleed Off
FF: Strong Blow, BOB & GTS immediate, Blow Suddenly Died Off to a Weak Surface Blow @ 2 minutes
FS: No Blow Back

Recovery

<table>
<thead>
<tr>
<th>Length (ft)</th>
<th>Description</th>
<th>Volume (bbl)</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

Gas Rates

| First Gas Rate |
| Last Gas Rate |
| Max. Gas Rate |
DRILL STEM TEST REPORT

Toto Energy
25815 Oak Ridge Rd
Spring, TX 73380

ATTN: Sean Deenihan
Test Start: 2013.07.26 @ 16:07:24

52379 Job Ticket: Fritz 20-1
DST#: 1

Mud and Cushion Information

Mud Type: Gel Chem
Mud Weight: 9.00 lb/gal
Viscosity: 63.00 sec/qt
Water Loss: 10.79 in³
Resistivity: ohm.m
Salinity: 6000.00 ppm
Filter Cake: 0.02 inches

Cushion Type: Gas Cushion Type:
Cushion Length: ft
Cushion Volume: bbl
Gas Cushion Type:
Gas Cushion Pressure: psig

FLUID SUMMARY

Oil API: deg API
Water Salinity: 120000 ppm

Recovery Information

Recovery Table

<table>
<thead>
<tr>
<th>Length</th>
<th>Description</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.00</td>
<td>3565 GIP</td>
<td>0.000</td>
</tr>
<tr>
<td>570.00</td>
<td>Water</td>
<td>7.996</td>
</tr>
<tr>
<td>70.00</td>
<td>SOMCW 4%O 12%M 84%W</td>
<td>0.982</td>
</tr>
</tbody>
</table>

Total Length: 640.00 ft
Total Volume: 8.978 bbl

Num Fluid Samples: 0
Num Gas Bombs: 0
Serial #:
Laboratory Name: Trilobite Testing, Inc
Laboratory Location:
Recovery Comments: RW was .06 @ 84 degrees
**Gas Rates Information**

- **Temperature**: 59 (deg F)
- **Relative Density**: 0.65
- **Z Factor**: 0.8

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**Gas Rates Table**

<table>
<thead>
<tr>
<th>Flow Period</th>
<th>Elapsed Time</th>
<th>Choke (inches)</th>
<th>Pressure (psig)</th>
<th>Gas Rate (Mcf/d)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>1.00</td>
<td>78.00</td>
<td>2656.39</td>
</tr>
<tr>
<td>1</td>
<td>20</td>
<td>1.00</td>
<td>90.00</td>
<td>3001.38</td>
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<tr>
<td>1</td>
<td>30</td>
<td>1.00</td>
<td>98.00</td>
<td>3231.37</td>
</tr>
</tbody>
</table>