



TRILOBITE TESTING, INC.

DRILL STEM TEST REPORT

Hutchinson Oil Co
 PO Box 521
 Derby, KS 67037
 ATTN: Jeff Burk

20-22S-11W Stafford
Hunley 1-20
 Job Ticket: 49574 **DST#: 1**
 Test Start: 2012.09.19 @ 01:30:25

GENERAL INFORMATION:

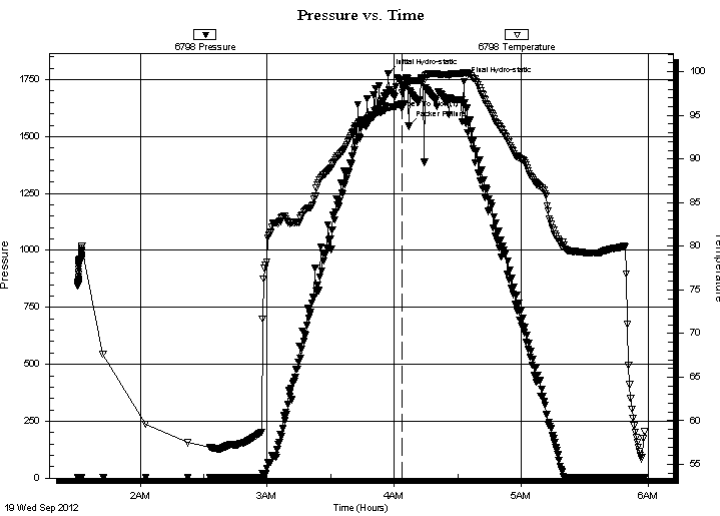
Formation: **Viola**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 04:03:25
 Time Test Ended: 05:58:25
Interval: 3509.00 ft (KB) To 3553.00 ft (KB) (TVD)
 Total Depth: 3553.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Good
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Leal Cason
 Unit No: 45
 Reference Elevations: 1833.00 ft (KB)
 1824.00 ft (CF)
 KB to GR/CF: 9.00 ft

Serial #: 6798

Inside

Press @ Run Depth: psig @ 3510.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2012.09.19 End Date: 2012.09.19 Last Calib.: 2012.09.19
 Start Time: 01:30:26 End Time: 05:58:25 Time On Btm: 2012.09.19 @ 03:57:10
 Time Off Btm: 2012.09.19 @ 04:32:55

TEST COMMENT: Packer Failure, Tried To Set 3 Times, Pulled Test



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1777.58 | 95.92 | Initial Hydro-static |
| 7 | 1623.45 | 96.36 | Open To Flow (1) |
| 10 | 1545.62 | 98.55 | Packer Failure |
| 36 | 1741.62 | 99.93 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 395.00 | DRLG Mud | 3.64 |
| | | |
| | | |
| | | |
| | | |

Gas Rates

| Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|-----------------|------------------|
| | | |



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FLUID SUMMARY

Hutchinson Oil Co

20-22S-11W Stafford

PO Box 521
Derby, KS 67037

Hunley 1-20

Job Ticket: 49574

DST#: 1

ATTN: Jeff Burk

Test Start: 2012.09.19 @ 01:30:25

Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.59 in³

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.02 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-------------|---------------|
| 395.00 | DRLG Mud | 3.637 |

Total Length: 395.00 ft Total Volume: 3.637 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6798

Inside

Hutchinson Oil Co

Hurley 1-20

DST Test Number: 1

