



**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Woolsey Operating Company LLC

Hibbard #1SWD

125 N Market Ste 1000
Wichita KS 67202

23 34s 9w Harper

ATTN: Curtis Covey

Job Ticket: 37407

DST#: 1

Test Start: 2010.12.20 @ 02:22:50

GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:28:45

Time Test Ended: 16:21:15

Test Type: Conventional Bottom Hole

Tester: Esak Hadley

Unit No: 34

Interval: 5786.00 ft (KB) To 5827.00 ft (KB) (TVD)

Reference Elevations: 1303.00 ft (KB)

Total Depth: 5827.00 ft (KB) (TVD)

1291.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 6773

Inside

Press @ Run Depth: 2494.42 psig @ 5787.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.12.20

End Date:

2010.12.20

Last Calib.:

2010.12.20

Start Time: 02:22:45

End Time:

16:21:10

Time On Btm:

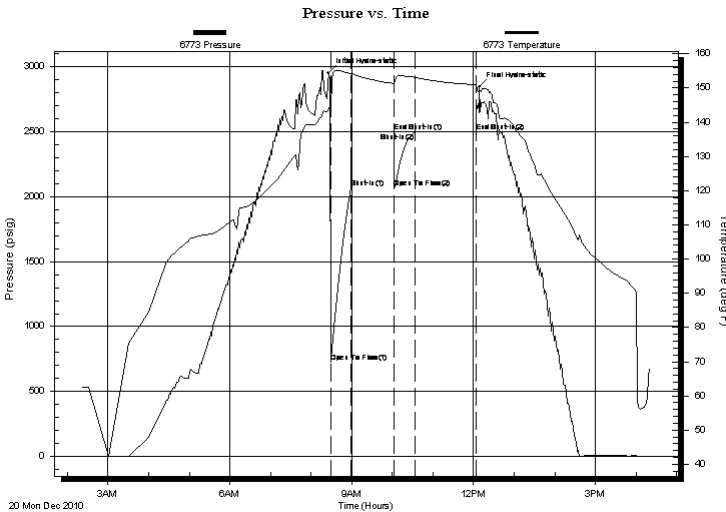
2010.12.20 @ 08:26:09

Time Off Btm:

2010.12.20 @ 12:08:25

TEST COMMENT: IF Strong blow . BOB in 60 sec.
ISI Weak blow . Slow increase to 3".
FF Strong blow . BOB in 60 sec.
FSI Weak surface blow . No more than 1/4".

PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2951.41 | 144.32 | Initial Hydro-static |
| 3 | 728.41 | 143.65 | Open To Flow (1) |
| 33 | 2070.12 | 154.18 | Shut-In(1) |
| 97 | 2502.23 | 151.35 | End Shut-In(1) |
| 97 | 2065.87 | 151.39 | Open To Flow (2) |
| 127 | 2494.42 | 153.15 | Shut-In(2) |
| 218 | 2502.38 | 150.99 | End Shut-In(2) |
| 223 | 2845.91 | 149.20 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|--------------------------------|--------------|
| 283.00 | WCM 40%w 60%m | 2.29 |
| 95.00 | MCW 30%m 70%w | 1.33 |
| 189.00 | MCW 20%m 80%w Rw .23@63deg=35K | 2.65 |
| 378.00 | MCW 10%m 90%w | 5.30 |
| 4055.00 | MCW 5%m 95%w Rw .11@63deg=80K | 56.88 |

Gas Rates

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



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FLUID SUMMARY

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ATTN: Curtis Covey

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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: 9.58 in³

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

Recovery Information

Recovery Table

| Length ft | Description | Volume bbbl |
|--------------|-----------------------------------|----------------|
| 283.00 | WCM 40%w 60%m | 2.294 |
| 95.00 | MCW 30%m 70%w | 1.333 |
| 189.00 | MCW 20%m 80%w Rw .23@63deg=35Kppm | 2.651 |
| 378.00 | MCW 10%m 90%w | 5.302 |
| 4055.00 | MCW 5%m 95%w Rw .11@63deg=80Kppm | 56.881 |

Total Length: 5000.00 ft

Total Volume: 68.461 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Pressure vs. Time

