

**TRILOBITE
TESTING, INC.**

DRILL STEM TEST REPORT

Mai Oil Operations
8411 Preston Rd
Ste 800 Dallas TX 75225
ATTN: Kurt Talbott

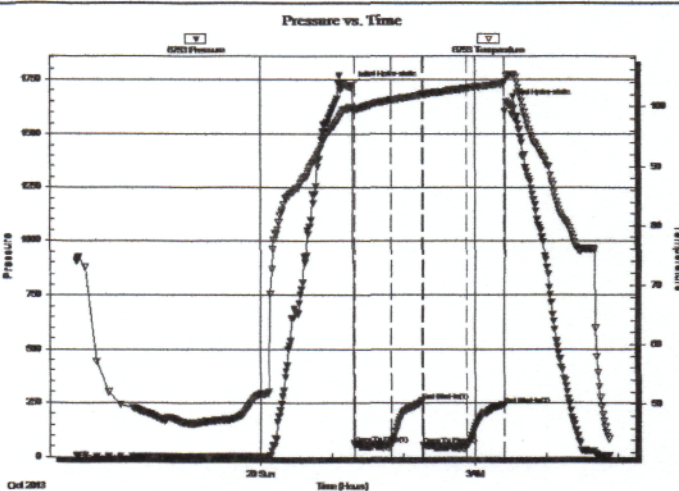
27-11s-19w Elis,KS
Warren-Vine #2
Job Ticket: 55304 **DST#: 1**
Test Start: 2013.10.19 @ 21:25:00

GENERAL INFORMATION:

Formation: **Arbuckle**
Deviated: No Whipstock: ft (KB)
Time Tool Opened: 01:18:30
Time Test Ended: 04:52:00
Interval: **3540.00 ft (KB) To 3627.00 ft (KB) (TVD)**
Total Depth: 3627.00 ft (KB) (TVD)
Hole Diameter: 7.88 inches Hole Condition: Fair
Test Type: Conventional Bottom Hole (Initial)
Tester: Brett Dickinson
Unit No: 59
Reference Elevations: 2108.00 ft (KB)
2100.00 ft (CF)
KB to GR/CF: 8.00 ft

Serial #: 6753 **Inside**
Press@RunDepth: 54.29 psig @ 3544.00 ft (KB) Capacity: 8000.00 psig
Start Date: 2013.10.19 End Date: 2013.10.20 Last Calib.: 2013.10.20
Start Time: 21:25:05 End Time: 04:51:59 Time On Btm: 2013.10.20 @ 01:17:00
Time Off Btm: 2013.10.20 @ 03:27:00

TEST COMMENT: IF-1/2" blow died back to 1/8"
ISI-No blow
FF-No blow
FSI-No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1723.39 | 99.81 | Initial Hydro-static |
| 2 | 62.36 | 99.51 | Open To Flow (1) |
| 33 | 61.27 | 101.06 | Shut-In(1) |
| 59 | 259.77 | 102.10 | End Shut-In(1) |
| 59 | 56.25 | 101.98 | Open To Flow (2) |
| 96 | 54.29 | 103.00 | Shut-In(2) |
| 127 | 239.83 | 103.83 | End Shut-In(2) |
| 130 | 1641.56 | 105.21 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 1.00 | Free Oil | 0.01 |
| 9.00 | VSOCM 5%O 95%M | 0.13 |
| | | |
| | | |
| | | |

Gas Rates

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



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27-11s-19w Elis,KS
Warren-Vine #2
 Job Ticket: 55305 **DST#: 2**
 Test Start: 2013.10.20 @ 22:30:00

GENERAL INFORMATION:

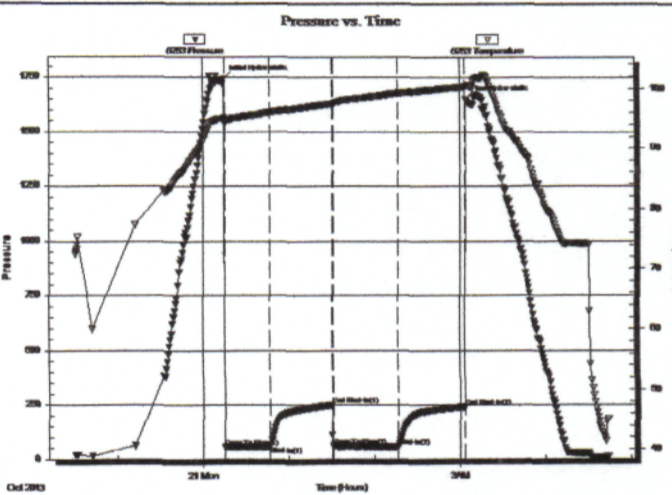
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 00:14:45
 Time Test Ended: 04:43:30
 Interval: **3542.00 ft (KB) To 3636.00 ft (KB) (TVD)**
 Total Depth: 3636.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2108.00 ft (KB)
 2100.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 6753

Inside

Press@RunDepth: 59.04 psig @ 3546.00 ft (KB) Capacity: 8000.00 psig
 Start Date: 2013.10.20 End Date: 2013.10.21 Last Calib.: 2013.10.21
 Start Time: 22:30:05 End Time: 04:43:29 Time On Btm: 2013.10.21 @ 00:14:15
 Time Off Btm: 2013.10.21 @ 03:04:00

TEST COMMENT: IF-2 1/4" blow
 IS- No blow
 FF1/4" blow
 FSI- No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1744.36 | 95.03 | Initial Hydro-static |
| 1 | 57.08 | 94.04 | Open To Flow (1) |
| 32 | 59.39 | 96.00 | Shut-In(1) |
| 76 | 249.93 | 97.42 | End Shut-In(1) |
| 77 | 59.65 | 97.40 | Open To Flow (2) |
| 122 | 59.04 | 99.22 | Shut-In(2) |
| 169 | 241.67 | 100.44 | End Shut-In(2) |
| 170 | 1650.45 | 100.38 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 1.00 | Free Oil | 0.01 |
| 29.00 | VSOCM 5%O 95%M | 0.41 |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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



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27-11s-19w Elis,KS
Warren-Vine #2
 Job Ticket: 55306 **DST#: 3**
 Test Start: 2013.10.21 @ 10:55:00

GENERAL INFORMATION:

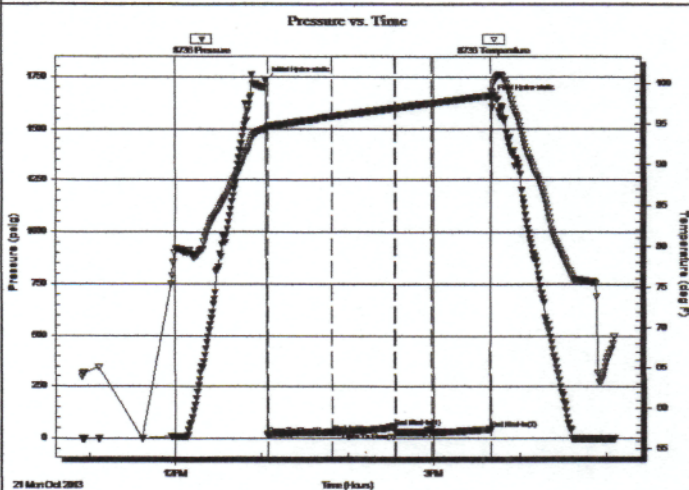
Formation: **Arbuckle**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 13:04:15
 Time Test Ended: 17:05:30
 Interval: **3542.00 ft (KB) To 3643.00 ft (KB) (TVD)**
 Total Depth: 3643.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Reset)
 Tester: Brett Dickinson
 Unit No: 59
 Reference Elevations: 2108.00 ft (KB)
 2100.00 ft (CF)
 KB to GR/CF: 8.00 ft

Serial #: 8736

Outside

Press@RunDepth: 44.08 psig @ 3545.00 ft (KB)
 Start Date: 2013.10.21 End Date: 2013.10.21
 Start Time: 10:55:05 End Time: 17:05:29
 Capacity: 8000.00 psig
 Last Calib.: 2013.10.21
 Time On Btm: 2013.10.21 @ 13:03:15
 Time Off Btm: 2013.10.21 @ 15:40:30

TEST COMMENT: IF-2 1/4" blow
 IS- No blow
 FF- weak surface blow died in 15 min
 FS- No blow



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 1730.04 | 94.46 | Initial Hydro-static |
| 1 | 18.82 | 94.46 | Open To Flow (1) |
| 46 | 29.90 | 95.92 | Shut-In(1) |
| 90 | 57.90 | 96.94 | End Shut-In(1) |
| 90 | 29.75 | 96.93 | Open To Flow (2) |
| 115 | 44.08 | 97.51 | Shut-In(2) |
| 157 | 44.17 | 98.46 | End Shut-In(2) |
| 158 | 1643.43 | 98.87 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|----------------|--------------|
| 25.00 | VSOCM 2%O 98%M | 0.35 |
| | | |
| | | |
| | | |
| | | |

* Recovery from multiple tests

Gas Rates

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