



DRILL STEM TEST REPORT

Prepared For: **Shelby Resources L.L.C**

445 Union BLVD.Suite 208
Lakewood, Colorado 80228

ATTN: Keith Reavis

16/19S/12W Barton

Miller #1-16

Start Date: 2010.11.06 @ 09:19:00

End Date: 2010.11.06 @ 20:49:00

Job Ticket #: 15713 DST #: 1

Superior Testers Enterprises LLC
PO Box 138 Great Bend KS 67530
1-800-792-6902

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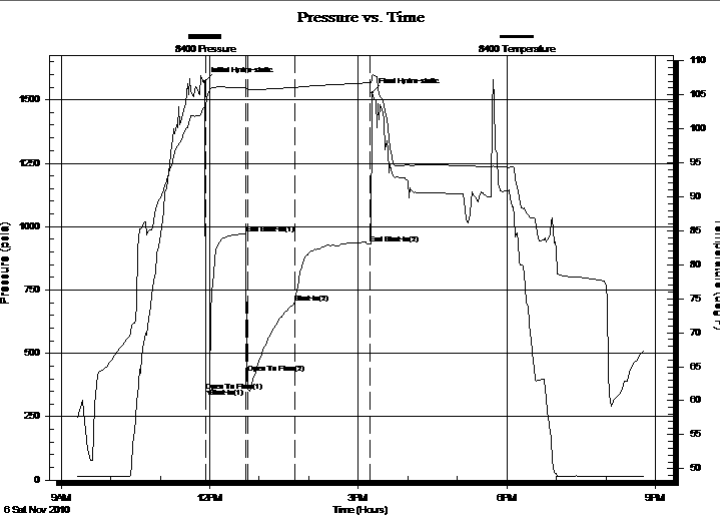
Miller #1-16
16/19S/12W Barton
 Job Ticket: 15713 **DST#: 1**
 Test Start: 2010.11.06 @ 09:19:00

GENERAL INFORMATION:

Formation: **Lansing "A-F" Zone**
 Deviated: No Whipstock: ft (KB)
 Time Tool Opened: 11:55:30
 Time Test Ended: 20:49:00
 Interval: **3172.00 ft (KB) To 3260.00 ft (KB) (TVD)**
 Total Depth: 3260.00 ft (KB) (TVD)
 Hole Diameter: 7.88 inches Hole Condition: Fair
 Test Type: Conventional Bottom Hole (Initial)
 Tester: Dylan E Ellis
 Unit No: 3345-Great Bend-18
 Reference Elevations: 1883.00 ft (KB)
 1872.00 ft (CF)
 KB to GR/CF: 11.00 ft

Serial #: 8400 Outside
 Press@RunDepth: 697.02 psia @ 3256.31 ft (KB) Capacity: 5000.00 psia
 Start Date: 2010.11.06 End Date: 2010.11.06 Last Calib.: 2010.11.06
 Start Time: 09:19:00 End Time: 20:49:00 Time On Btm: 2010.11.06 @ 11:53:30
 Time Off Btm: 2010.11.06 @ 15:17:00

TEST COMMENT: 1ST Opening 5 Minutes Strong blow /blow blew to bottom of the bucket in 1 minute/blow w as building
 1ST Shut-In 45 Minutes yes blow back/4 inches into bucket of water and backed off to 1 inch into bucket
 2ND Opening 60 Minutes Very Strong blow /blew bottom of bucket of water in 30 seconds/gas to surface in 7 minutes/gauged gas see gas flow chart



| PRESSURE SUMMARY | | | |
|------------------|-----------------|--------------|----------------------|
| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
| 0 | 1571.74 | 103.20 | Initial Hydro-static |
| 2 | 350.48 | 103.39 | Open To Flow (1) |
| 7 | 362.81 | 105.76 | Shut-In(1) |
| 51 | 972.55 | 106.05 | End Shut-In(1) |
| 52 | 422.10 | 105.86 | Open To Flow (2) |
| 109 | 697.02 | 106.08 | Shut-In(2) |
| 201 | 931.96 | 106.77 | End Shut-In(2) |
| 204 | 1528.39 | 107.74 | Final Hydro-static |

| Recovery | | |
|-------------|----------------------------------|--------------|
| Length (ft) | Description | Volume (bbl) |
| 2450.00 | Clean Gassy Oil//Gas 15% Oil 85% | 32.66 |
| 0.00 | Gravity of Oil corrected w as 43 | 0.00 |
| | | |
| | | |
| | | |

| Gas Rates | | | |
|----------------|----------------|-----------------|------------------|
| | Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
| First Gas Rate | 0.13 | 7.30 | 2.90 |
| Last Gas Rate | 0.13 | 10.22 | 4.06 |
| Max. Gas Rate | 0.13 | 11.20 | 4.45 |



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TOOL DIAGRAM

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Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 2967.00 ft | Diameter: 3.80 inches | Volume: 41.62 bbl | Tool Weight: | 2000.00 lb |
| Heavy Wt. Pipe: | Length: 0.00 ft | Diameter: 0.00 inches | Volume: 0.00 bbl | Weight set on Packer: | 20000.00 lb |
| Drill Collar: | Length: 186.98 ft | Diameter: 2.25 inches | Volume: 0.92 bbl | Weight to Pull Loose: | 25000.00 lb |
| | | | <u>Total Volume: 42.54 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 10.98 ft | | | String Weight: Initial | 67000.00 lb |
| Depth to Top Packer: | 3172.00 ft | | | Final | 73000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 87.31 ft | | | | |
| Tool Length: | 116.31 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments: Thanks For The Work!

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|------------------------------------|
| Change Over Sub | 1.00 | | | 3144.00 | |
| Shut-In Tool | 5.00 | | | 3149.00 | |
| Hydraulic Tool | 5.00 | | | 3154.00 | |
| Jars | 6.00 | | | 3160.00 | |
| Safety Joint | 2.00 | | | 3162.00 | |
| Packer | 5.00 | | | 3167.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 3172.00 | |
| Perforations | 7.00 | | | 3179.00 | |
| Change Over Sub | 0.75 | | | 3179.75 | |
| Drill Pipe | 63.81 | | | 3243.56 | |
| Change Over Sub | 0.75 | | | 3244.31 | |
| Perforations | 10.00 | | | 3254.31 | |
| Recorder | 1.00 | 4143 | Inside | 3255.31 | |
| Recorder | 1.00 | 8400 | Outside | 3256.31 | |
| Bullnose | 3.00 | | | 3259.31 | 87.31 Bottom Packers & Anchor |

Total Tool Length: 116.31



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FLUID SUMMARY

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 Test Start: 2010.11.06 @ 09:19:00

Mud and Cushion Information

| | | |
|----------------------------------|----------------------------|---------------------|
| Mud Type: Gel Chem | Cushion Type: | Oil API: 43 deg API |
| Mud Weight: 9.00 lb/gal | Cushion Length: ft | Water Salinity: ppm |
| Viscosity: 45.00 sec/qt | Cushion Volume: bbl | |
| Water Loss: 7.20 in ³ | Gas Cushion Type: | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | |
| Salinity: 4000.00 ppm | | |
| Filter Cake: 1.00 inches | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------------|---------------|
| 2450.00 | Clean Gassy Oil//Gas 15% Oil 85% | 32.664 |
| 0.00 | Gravitiy of Oil corrected w as 43 | 0.000 |

Total Length: 2450.00 ft Total Volume: 32.664 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: Congrates on the nice w ell !!!!



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GAS RATES

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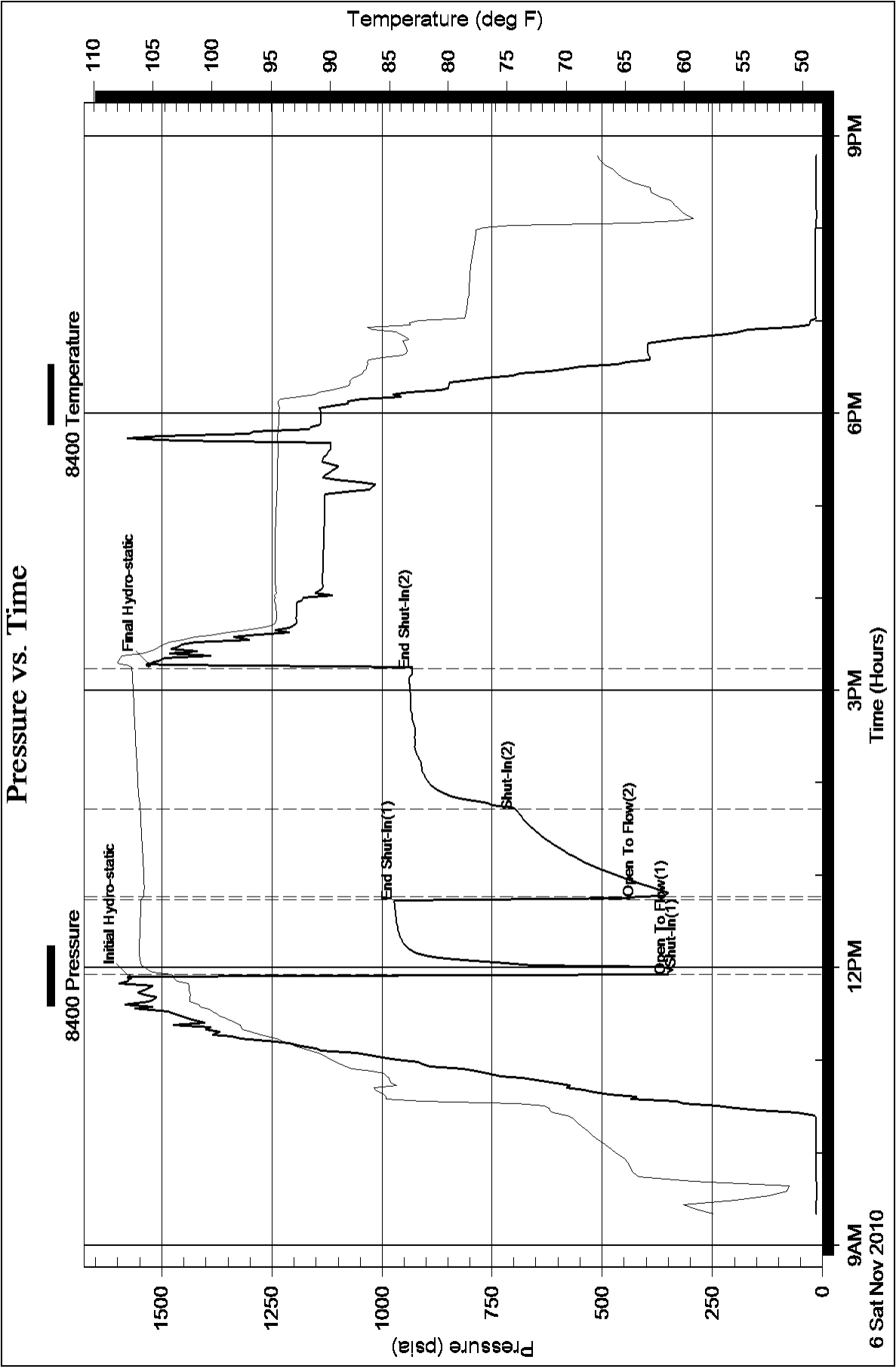
Gas Rates Information

Temperature: 1 (deg F)
Relative Density: 0.65
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (inches) | Pressure (psia) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 1 | 20 | 0.13 | 7.30 | 2.90 |
| 1 | 30 | 0.13 | 11.20 | 4.45 |
| 1 | 40 | 0.13 | 10.70 | 4.25 |
| 1 | 50 | 0.13 | 10.89 | 4.32 |
| 1 | 60 | 0.13 | 10.22 | 4.06 |

Pressure vs. Time



Pressure vs. Time

