



DRILL STEM TEST REPORT

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16091

DST#: 1

ATTN:

Test Start: 2011.02.14 @ 09:38:00

GENERAL INFORMATION:

Formation: **CHEROKEE**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:24:30

Time Test Ended: 20:15:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GB-

Interval: 4790.00 ft (KB) To 4852.00 ft (KB) (TVD)

Reference Elevations: 1459.00 ft (KB)

Total Depth: 4852.00 ft (KB) (TVD)

1447.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8419

Inside

Press@RunDepth: 92.17 psia @ 4848.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.14

End Date:

2011.02.14

Last Calib.:

2011.02.14

Start Time: 09:38:00

End Time:

20:15:30

Time On Btm:

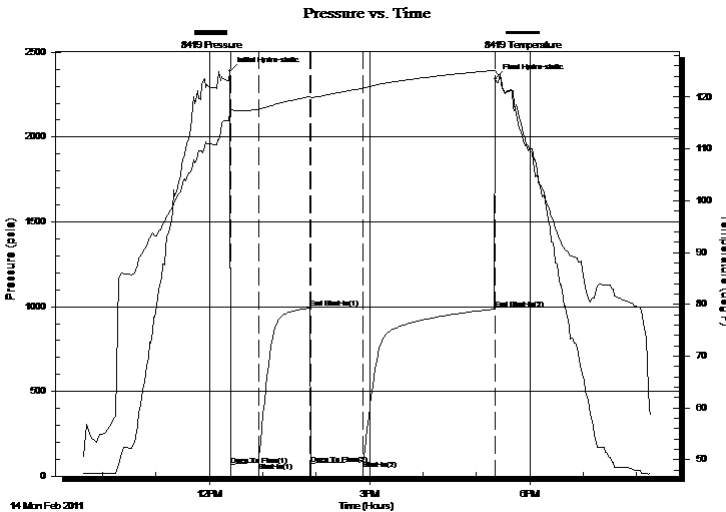
2011.02.14 @ 12:23:30

Time Off Btm:

2011.02.14 @ 17:21:30

TEST COMMENT: 30/INITIAL OPEN:FAIR BLOW BUILT BOTTOM OF BUCKET IN 8 MINUTES
60/INITIAL SHUT IN:NO BLOW BACK
60/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 MINUTE
120/FINAL SHUT IN:VERY WEAK SURFACE BLOW

PRESSURE SUMMARY



| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2388.64 | 117.90 | Initial Hydro-static |
| 1 | 64.25 | 117.54 | Open To Flow (1) |
| 32 | 81.57 | 117.64 | Shut-In(1) |
| 90 | 991.91 | 120.13 | End Shut-In(1) |
| 91 | 68.13 | 119.91 | Open To Flow (2) |
| 150 | 92.17 | 121.71 | Shut-In(2) |
| 297 | 985.35 | 125.15 | End Shut-In(2) |
| 298 | 2343.24 | 125.14 | Final Hydro-static |

Recovery

Gas Rates

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 70.00 | MUD | 0.34 |
| | | |
| | | |
| | | |
| | | |

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16091

DST#: 1

ATTN:

Test Start: 2011.02.14 @ 09:38:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4531.00 ft | Diameter: 3.80 inches | Volume: 63.56 bbl | Tool Weight: | 1000.00 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: 240.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: | lb |
| | | | <u>Total Volume: 64.74 bbl</u> | Tool Chased | 0.00 ft |
| Drill Pipe Above KB: | 10.00 ft | | | String Weight: Initial | 62000.00 lb |
| Depth to Top Packer: | 4790.00 ft | | | Final | lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 62.00 ft | | | | |
| Tool Length: | 91.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

| | | | | | |
|-----------------|-------|------|---------|---------|-------------------------------|
| Change Over Sub | 1.00 | | | 4762.00 | |
| Shut-In Tool | 5.00 | | | 4767.00 | |
| Hydraulic Tool | 5.00 | | | 4772.00 | |
| Jars | 6.00 | | | 4778.00 | |
| Safety Joint | 2.00 | | | 4780.00 | |
| Packer | 5.00 | | | 4785.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4790.00 | |
| Change Over Sub | 0.75 | | | 4790.75 | |
| Drill Pipe | 32.50 | | | 4823.25 | |
| Change Over Sub | 0.75 | | | 4824.00 | |
| Perforations | 23.00 | | | 4847.00 | |
| Recorder | 1.00 | 8419 | Inside | 4848.00 | |
| Recorder | 1.00 | 8524 | Outside | 4849.00 | |
| Bullnose | 3.00 | | | 4852.00 | 62.00 Bottom Packers & Anchor |

Total Tool Length: 91.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WOOLSEY OPERATING LLC
125 N MARKET STE 1000 WICHITA KS
67202+1729
ATTN:

MYERS #1
14-35-13 BARBER
Job Ticket: 16091 **DST#: 1**
Test Start: 2011.02.14 @ 09:38:00

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: 48.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 8.80 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 |
|--------------|-------------|---------------|
| 70.00 | MUD | 0.344 |

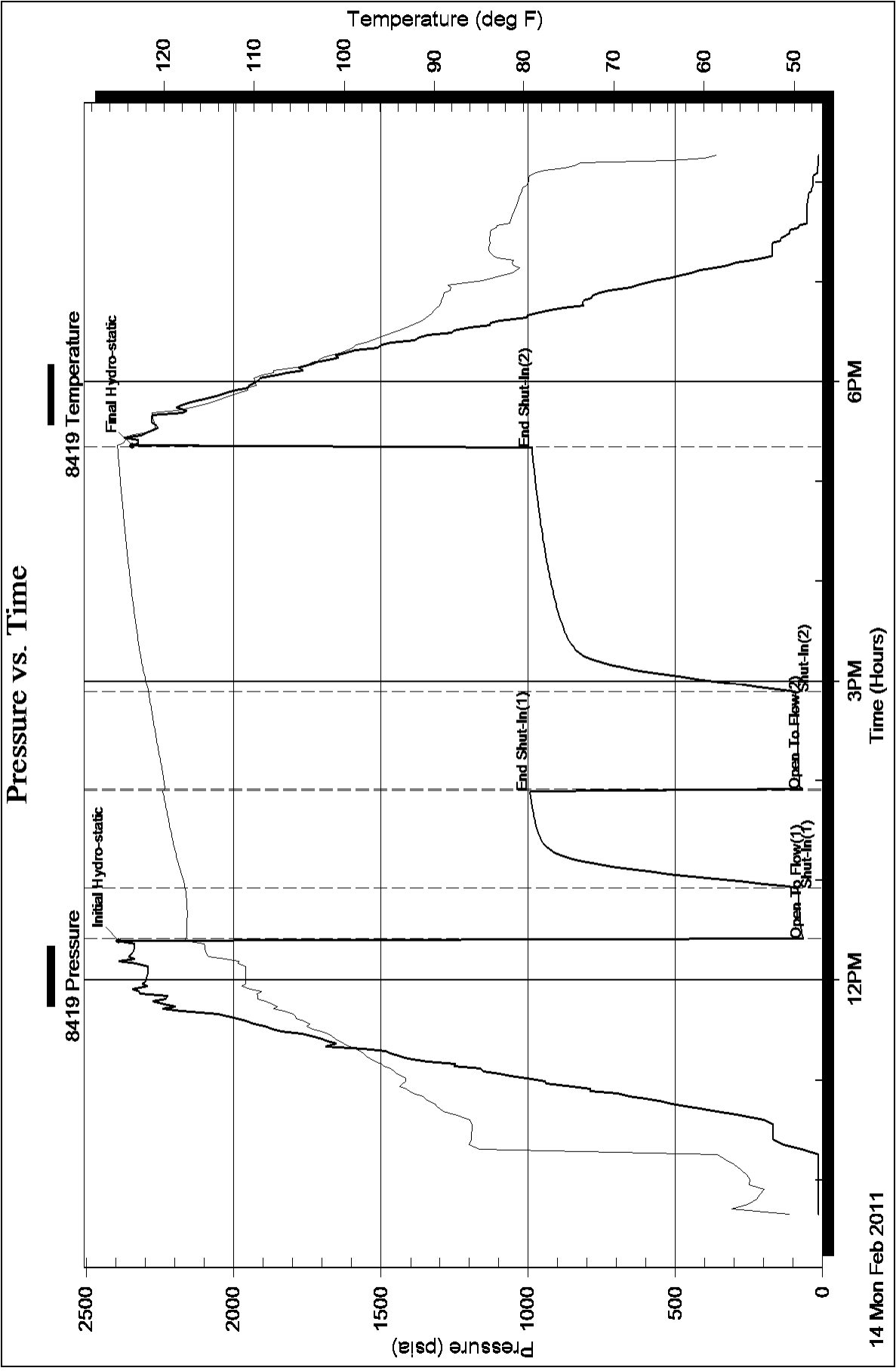
Total Length: 70.00 ft Total Volume: 0.344 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:

Pressure vs. Time





DRILL STEM TEST REPORT

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16092

DST#: 2

ATTN: SCOTT ALBERG

Test Start: 2011.02.15 @ 13:44:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 15:41:00

Time Test Ended: 23:03:30

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GB -210

Interval: 4886.00 ft (KB) To 4910.00 ft (KB) (TVD)

Reference Elevations: 1459.00 ft (KB)

Total Depth: 4910.00 ft (KB) (TVD)

1447.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 12.00 ft

Serial #: 8419

Inside

Press@RunDepth: 101.17 psig @ 4906.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2011.02.15

End Date: 2011.02.15

Last Calib.: 2011.02.15

Start Time: 13:45:00

End Time: 23:03:30

Time On Btm: 2011.02.15 @ 15:40:00

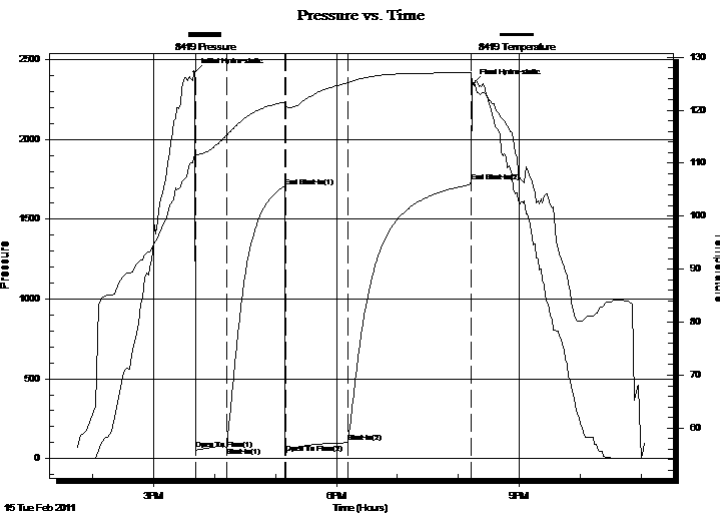
Time Off Btm: 2011.02.15 @ 20:14:30

TEST COMMENT: 30/INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 4 MINUTES

60/INITIAL SHUT IN:NO BLOW BACK

60/FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 MIUNTE GAS TO SURFACE IN 6 MINUTE

120/FINAL SHUT IN :1 INCH BLOW BACK



PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2420.03 | 111.61 | Initial Hydro-static |
| 1 | 55.69 | 111.50 | Open To Flow (1) |
| 32 | 73.84 | 115.21 | Shut-In(1) |
| 89 | 1704.10 | 121.56 | End Shut-In(1) |
| 90 | 30.85 | 120.96 | Open To Flow (2) |
| 151 | 101.17 | 125.15 | Shut-In(2) |
| 273 | 1734.07 | 127.13 | End Shut-In(2) |
| 275 | 2349.54 | 125.13 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 126.00 | GASSY OIL CUT MUD | 0.62 |
| 0.00 | 10%GAS 10%OIL 80%MUD | 0.00 |
| 120.00 | OILY MUD CUT WATER | 0.64 |
| 0.00 | 15%OIL 10%MUD 75%WATER | 0.00 |
| 0.00 | CHLORIDES 68,000 | 0.00 |
| 0.00 | RESISTIVITY .15 @76 DEGREES | 0.00 |

Gas Rates

| | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.13 | 3.72 | 1.39 |
| Last Gas Rate | 0.13 | 17.50 | 6.55 |
| Max. Gas Rate | 0.13 | 17.50 | 6.55 |



DRILL STEM TEST REPORT

TOOL DIAGRAM

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16092

DST#: 2

ATTN: SCOTT ALBERG

Test Start: 2011.02.15 @ 13:44:00

Tool Information

| | | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe: | Length: 4624.00 ft | Diameter: 3.80 inches | Volume: 64.86 bbl | Tool Weight: | 1000.00 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: 240.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: | 80000.00 lb |
| | | | <u>Total Volume: 66.04 bbl</u> | Tool Chased | 2.00 ft |
| Drill Pipe Above KB: | 7.00 ft | | | String Weight: Initial | 63000.00 lb |
| Depth to Top Packer: | 4886.00 ft | | | Final | 64000.00 lb |
| Depth to Bottom Packer: | ft | | | | |
| Interval between Packers: | 24.00 ft | | | | |
| Tool Length: | 53.00 ft | | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | | |

Tool Comments: TOOL CHASED 2 FEET TO BOTTOM / GAS TO SURFACE ON 2 ND OPEN SEE GAS REPORT

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4858.00 | |
| Shut-In Tool | 5.00 | | | 4863.00 | |
| Hydraulic Tool | 5.00 | | | 4868.00 | |
| Jars | 6.00 | | | 4874.00 | |
| Safety Joint | 2.00 | | | 4876.00 | |
| Packer | 5.00 | | | 4881.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4886.00 | |
| Perforations | 19.00 | | | 4905.00 | |
| Recorder | 1.00 | 8419 | Inside | 4906.00 | |
| Recorder | 1.00 | 8524 | Outside | 4907.00 | |
| Bullnose | 3.00 | | | 4910.00 | 24.00 Bottom Packers & Anchor |

Total Tool Length: 53.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WOOLSEY OPERATING LLC
 125 N MARKET STE 1000 WICHITA KS
 67202+1729
 ATTN: SCOTT ALBERG

MYERS #1
14-35-13 BARBER
 Job Ticket: 16092 **DST#: 2**
 Test Start: 2011.02.15 @ 13:44:00

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: bbl | | |
| Water Loss: 7.19 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psig | | |
| Salinity: 5000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------|---------------|
| 126.00 | GASSY OIL CUT MUD | 0.620 |
| 0.00 | 10%GAS 10%OIL 80%MUD | 0.000 |
| 120.00 | OILY MUD CUT WATER | 0.645 |
| 0.00 | 15%OIL 10%MUD 75%WATER | 0.000 |
| 0.00 | CHLORIDES 68,000 | 0.000 |
| 0.00 | RESISTIVITY .15 @76 DEGREES | 0.000 |

Total Length: 246.00 ft Total Volume: 1.265 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments: TOOL CHASED 2 FEET TO BOTTOM/GAS TO SURFACE ON 2ND OPEN SEE GAS REPORT/



DRILL STEM TEST REPORT

GAS RATES

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16092

DST#: 2

ATTN: SCOTT ALBERG

Test Start: 2011.02.15 @ 13:44:00

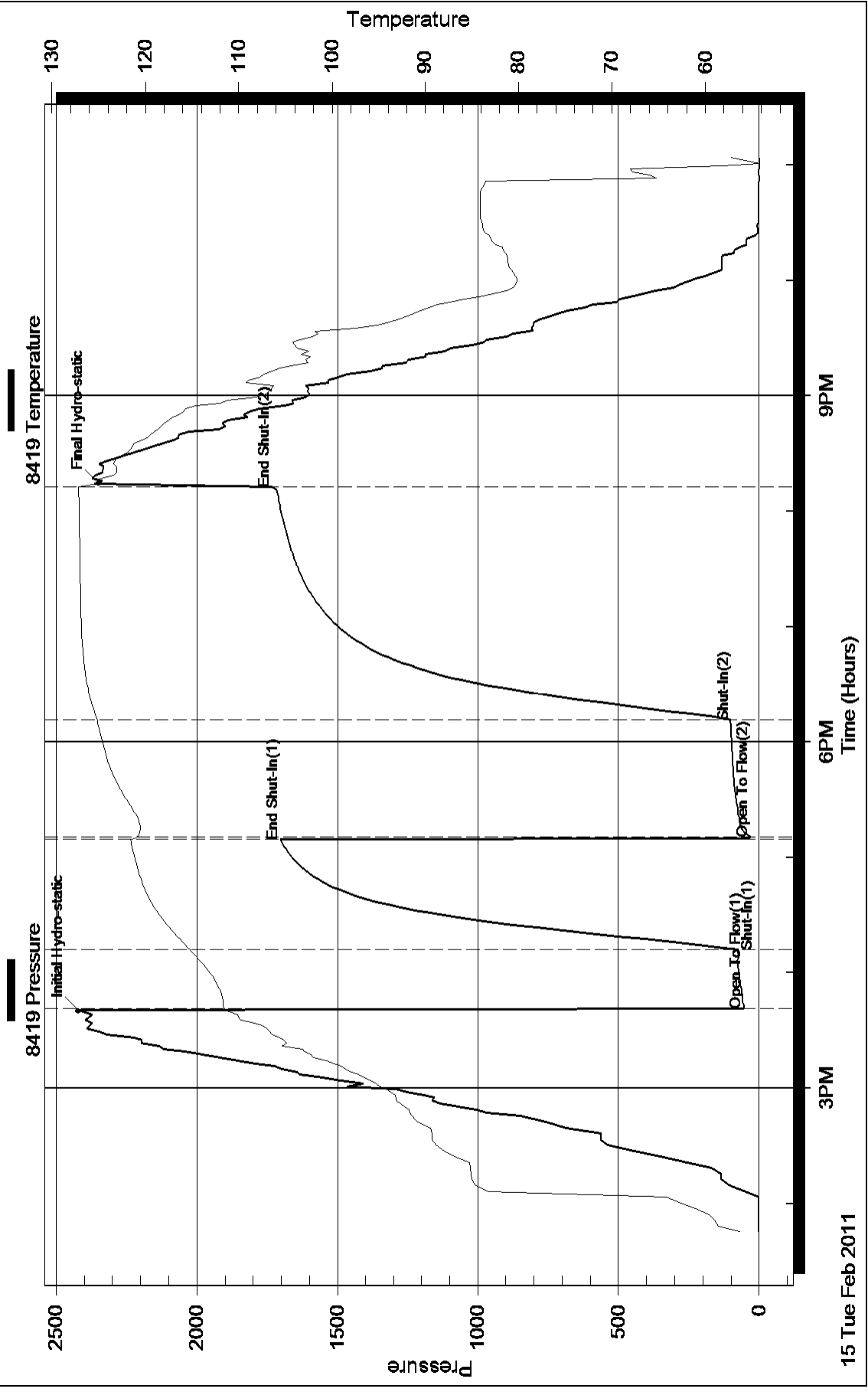
Gas Rates Information

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

Gas Rates Table

| Flow Period | Elapsed Time | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|-------------|--------------|----------------|-----------------|------------------|
| 2 | 10 | 0.13 | 3.72 | 1.39 |
| 2 | 20 | 0.13 | 7.20 | 2.69 |
| 2 | 30 | 0.13 | 10.93 | 4.09 |
| 2 | 40 | 0.13 | 12.45 | 4.66 |
| 2 | 50 | 0.13 | 14.23 | 5.33 |
| 2 | 60 | 0.13 | 17.50 | 6.55 |

Pressure vs. Time





DRILL STEM TEST REPORT

WOOLSEY OPERATING LLC

MYERS #1

125 N MARKET STE 1000 WICHITA KS
67202+1729

14-35-13 BARBER

Job Ticket: 16093

DST#: 3

ATTN: SCOTT ALBERG

Test Start: 2011.02.16 @ 07:50:00

GENERAL INFORMATION:

Formation: **MISSISSIPPI**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:21:00

Time Test Ended: 17:28:00

Test Type: Conventional Bottom Hole (Initial)

Tester: JARED SCHECK

Unit No: 3320-GB-210

Interval: 4910.00 ft (KB) To 4925.00 ft (KB) (TVD)

Reference Elevations: 1459.00 ft (KB)

Total Depth: 4925.00 ft (KB) (TVD)

1447.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 12.00 ft

Serial #: 8419

Inside

Press@RunDepth: 135.47 psia @ 4921.00 ft (KB)

Capacity: 5000.00 psia

Start Date: 2011.02.16

End Date: 2011.02.16

Last Calib.: 2011.02.16

Start Time: 07:50:00

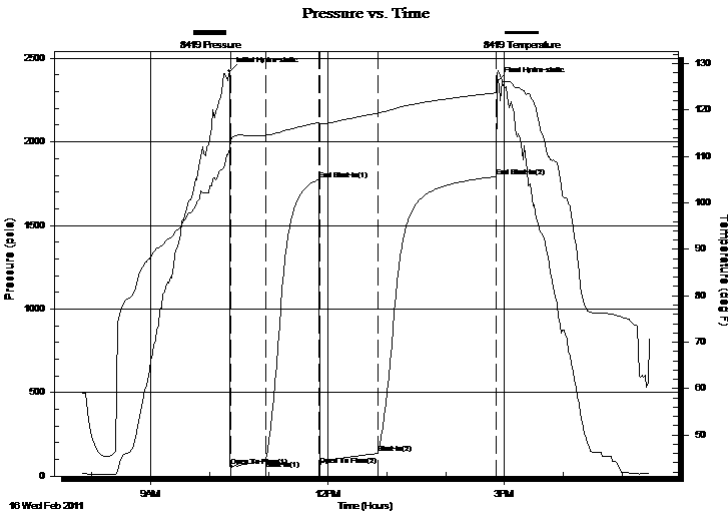
End Time: 17:28:00

Time On Btm: 2011.02.16 @ 10:20:30

Time Off Btm: 2011.02.16 @ 14:52:30

TEST COMMENT: INITIAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 3 MINUTES
INITIAL SHUT IN:NO BLOW BACK
FINAL OPEN:STRONG BLOW BUILT BOTTOM OF BUCKET IN 1 MINUTE
FINAL SHUT IN:1 1/2 BLOW BACK

PRESSURE SUMMARY



| Time (Min.) | Pressure (psia) | Temp (deg F) | Annotation |
|-------------|-----------------|--------------|----------------------|
| 0 | 2422.70 | 111.83 | Initial Hydro-static |
| 1 | 59.24 | 112.01 | Open To Flow (1) |
| 37 | 93.98 | 114.58 | Shut-In(1) |
| 91 | 1775.42 | 117.31 | End Shut-In(1) |
| 92 | 65.64 | 116.93 | Open To Flow (2) |
| 151 | 135.47 | 119.33 | Shut-In(2) |
| 271 | 1791.64 | 123.69 | End Shut-In(2) |
| 272 | 2361.78 | 127.94 | Final Hydro-static |

Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-----------------------------|--------------|
| 60.00 | MUDDY WATER 80%MUD 20%WATER | 0.30 |
| 180.00 | WATER 5%MUD 95%WATER | 0.89 |
| 0.00 | CHLORIDES 110,000 | 0.00 |
| 0.00 | RESISTIVITY .09 @76 DEGREES | 0.00 |
| | | |
| | | |

Gas Rates

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



DRILL STEM TEST REPORT

TOOL DIAGRAM

WOOLSEY OPERATING LLC
 125 N MARKET STE 1000 WICHITA KS
 67202+1729
 ATTN: SCOTT ALBERG

MYERS #1
14-35-13 BARBER
 Job Ticket: 16093 **DST#: 3**
 Test Start: 2011.02.16 @ 07:50:00

Tool Information

| | | | | |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe: | Length: 4656.00 ft | Diameter: 3.80 inches | Volume: 65.31 bbl | Tool Weight: 1000.00 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: 240.00 ft | Diameter: 2.25 inches | Volume: 1.18 bbl | Weight to Pull Loose: 78000.00 lb |
| | | | <u>Total Volume: 66.49 bbl</u> | Tool Chased 0.00 ft |
| Drill Pipe Above KB: | 15.00 ft | | | String Weight: Initial 63000.00 lb |
| Depth to Top Packer: | 4910.00 ft | | | Final 63000.00 lb |
| Depth to Bottom Packer: | ft | | | |
| Interval between Packers: | 15.00 ft | | | |
| Tool Length: | 44.00 ft | | | |
| Number of Packers: | 2 | Diameter: 6.75 inches | | |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub | 1.00 | | | 4882.00 | |
| Shut-In Tool | 5.00 | | | 4887.00 | |
| Hydraulic Tool | 5.00 | | | 4892.00 | |
| Jars | 6.00 | | | 4898.00 | |
| Safety Joint | 2.00 | | | 4900.00 | |
| Packer | 5.00 | | | 4905.00 | 29.00 Bottom Of Top Packer |
| Packer | 5.00 | | | 4910.00 | |
| Perforations | 10.00 | | | 4920.00 | |
| Recorder | 1.00 | 8419 | Inside | 4921.00 | |
| Recorder | 1.00 | 8524 | Outside | 4922.00 | |
| Bullnose | 3.00 | | | 4925.00 | 15.00 Bottom Packers & Anchor |

Total Tool Length: 44.00



DRILL STEM TEST REPORT

FLUID SUMMARY

WOOLSEY OPERATING LLC
 125 N MARKET STE 1000 WICHITA KS
 67202+1729
 ATTN: SCOTT ALBERG

MYERS #1
14-35-13 BARBER
 Job Ticket: 16093 **DST#: 3**
 Test Start: 2011.02.16 @ 07:50:00

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: 63.00 sec/qt | Cushion Volume: bbl | | |
| Water Loss: 9.00 in ³ | Gas Cushion Type: | | |
| Resistivity: ohm.m | Gas Cushion Pressure: psia | | |
| Salinity: 5000.00 ppm | | | |
| Filter Cake: 1.00 inches | | | |

Recovery Information

Recovery Table

| Length ft | Description | Volume bbl |
|--------------|-----------------------------|---------------|
| 60.00 | MUDDY WATER 80%MUD 20%WATER | 0.295 |
| 180.00 | WATER 5%MUD 95%WATER | 0.885 |
| 0.00 | CHLORIDES 110,000 | 0.000 |
| 0.00 | RESISTIVITY .09 @76 DEGREES | 0.000 |

Total Length: 240.00 ft Total Volume: 1.180 bbl
 Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:
 Laboratory Name: Laboratory Location:
 Recovery Comments: CHLORIDES 110,000

Pressure vs. Time

