



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

If Workover/Re-entry: Old Well Info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

|   |   |
|---|---|
| Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|---|---|

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used  |                   |                           |                   |               |                |              |                            |
|---|-------------------|---------------------------|-------------------|---------------|----------------|--------------|----------------------------|
| Report all strings set-conductor, surface, intermediate, production, etc. |                   |                           |                   |               |                |              |                            |
| Purpose of String   | Size Hole Drilled | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |              |                            |
|--|------------------|----------------|--------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| _____ Perforate<br>_____ Protect Casing<br>_____ Plug Back TD<br>_____ Plug Off Zone |                  |                |              |                            |
|  |                  |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|                |       |         |            |   |
|----------------|-------|---------|------------|---|
| TUBING RECORD: | Size: | Set At: | Packer At: | Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No |
|----------------|-------|---------|------------|---|

|   |  |
|---|--|
| Date of First, Resumed Production, SWD or ENHR. | Producing Method:<br><input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |
|---|--|

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | Water Bbls. | Gas-Oil Ratio | Gravity |
|-----------------------------------|-----------|---------|-------------|---------------|---------|

|  |   |   |
|--|---|---|
| <b>DISPOSITION OF GAS:</b><br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | <b>METHOD OF COMPLETION:</b><br><input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <input type="checkbox"/> Other <i>(Specify)</i> _____<br><i>(Submit ACO-4)</i> | <b>PRODUCTION INTERVAL:</b><br>_____<br>_____ |
|--|---|---|



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Company, LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Co**

Job Ticket: 039201

**DST#: 1**

ATTN: Roger Martin

Test Start: 2010.09.17 @ 14:16:09

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:36:39

Time Test Ended: 01:12:09

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 4530.00 ft (KB) To 4675.00 ft (KB) (TVD)**

Reference Elevations: 1347.00 ft (KB)

Total Depth: 4675.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 124.24 psig @ 4537.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.17

End Date:

2010.09.18

Last Calib.:

2010.09.18

Start Time:

14:16:10

End Time:

01:12:09

Time On Btm:

2010.09.17 @ 17:35:39

Time Off Btm:

2010.09.17 @ 22:07:09

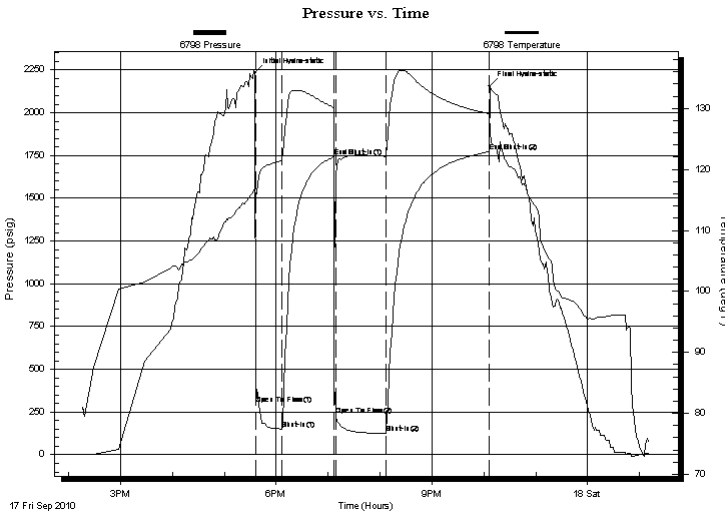
**TEST COMMENT:** IF: Strong blow . B.O.B. in 75 secs. GTS in 6 mins. (see gas flow report.)

IS: Fair blow . Built to 5".

FF: Strong blow . B.O.B. immediately.

FS:

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2233.49         | 116.73       | Initial Hydro-static |
| 1           | 293.86          | 115.66       | Open To Flow (1)     |
| 31          | 150.14          | 121.44       | Shut-In(1)           |
| 91          | 1741.71         | 130.14       | End Shut-In(1)       |
| 94          | 231.06          | 119.46       | Open To Flow (2)     |
| 151         | 124.24          | 122.17       | Shut-In(2)           |
| 270         | 1772.78         | 129.19       | End Shut-In(2)       |
| 272         | 2157.06         | 126.24       | Final Hydro-static   |

## Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 302.00      | SGCM 5%g 95% m | 2.58         |
| 0.00        | 4232' GIP      | 0.00         |
| 0.00        |                | 0.00         |
|             |                |              |
|             |                |              |

## Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.75           | 4.00            | 288.97           |
| Last Gas Rate  |                |                 |                  |
| Max. Gas Rate  | 0.75           | 10.00           | 382.69           |



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Ks**

ATTN: Roger Martin

Job Ticket: 38808

**DST#: 4**

Test Start: 2010.09.23 @ 05:33:02

## GENERAL INFORMATION:

Formation: **Simpson F Dolomite**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 08:25:02

Time Test Ended: 16:39:02

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

**Interval: 5105.00 ft (KB) To 5133.00 ft (KB) (TVD)**

Reference Elevations: 1347.00 ft (KB)

Total Depth: 5133.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8167**

**Inside**

Press @ Run Depth: 62.42 psig @ 5106.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.23

End Date:

2010.09.23

Last Calib.:

2010.09.23

Start Time:

05:33:07

End Time:

16:39:02

Time On Btm:

2010.09.23 @ 08:23:17

Time Off Btm:

2010.09.23 @ 13:05:02

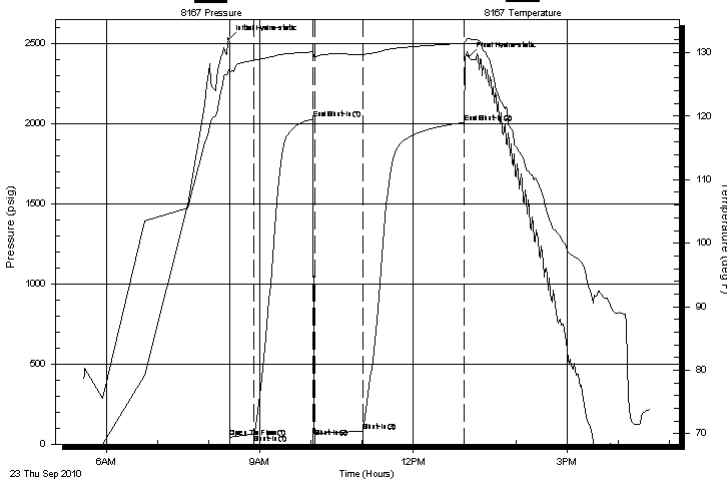
**TEST COMMENT:** IF: Fair to strong blow . B.O.B. in 14 mins.

IS: Weak blow . 1/2 - 1".

FF: Strong blow . B.O.B. in 12 secs.

FS: Weak blow . 1/2 - 1".

Pressure vs. Time



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2527.78         | 127.29       | Initial Hydro-static |
| 2           | 43.04           | 126.76       | Open To Flow (1)     |
| 30          | 62.42           | 128.78       | Shut-In(1)           |
| 99          | 2030.47         | 130.15       | End Shut-In(1)       |
| 101         | 45.59           | 129.29       | Shut-In(2)           |
| 158         | 80.67           | 129.67       | Shut-In(3)           |
| 277         | 2009.38         | 131.48       | End Shut-In(2)       |
| 282         | 2420.79         | 132.20       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 120.00      | GOCM 6%g 46%o 48%m | 0.59         |
| 75.00       | OCM 9%o 91%m       | 0.51         |
| 0.00        | 3005 ft.of GIP     | 0.00         |
|             |                    |              |
|             |                    |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co.LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Ks**

Job Ticket: 38808

**DST#: 4**

ATTN: Roger Martin

Test Start: 2010.09.23 @ 05:33:02

## 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:

9000 ppm

Viscosity: 54.00 sec/qt

Cushion Volume:

bbf

Water Loss: 12.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 9000.00 ppm

Filter Cake: 0.21 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbf |
|--------------|--------------------|---------------|
| 120.00       | GOCM 6%g 46%o 48%m | 0.590         |
| 75.00        | OCM 9%o 91%m       | 0.505         |
| 0.00         | 3005 ft.of GIP     | 0.000         |

Total Length: 195.00 ft

Total Volume: 1.095 bbl

Num Fluid Samples: 0

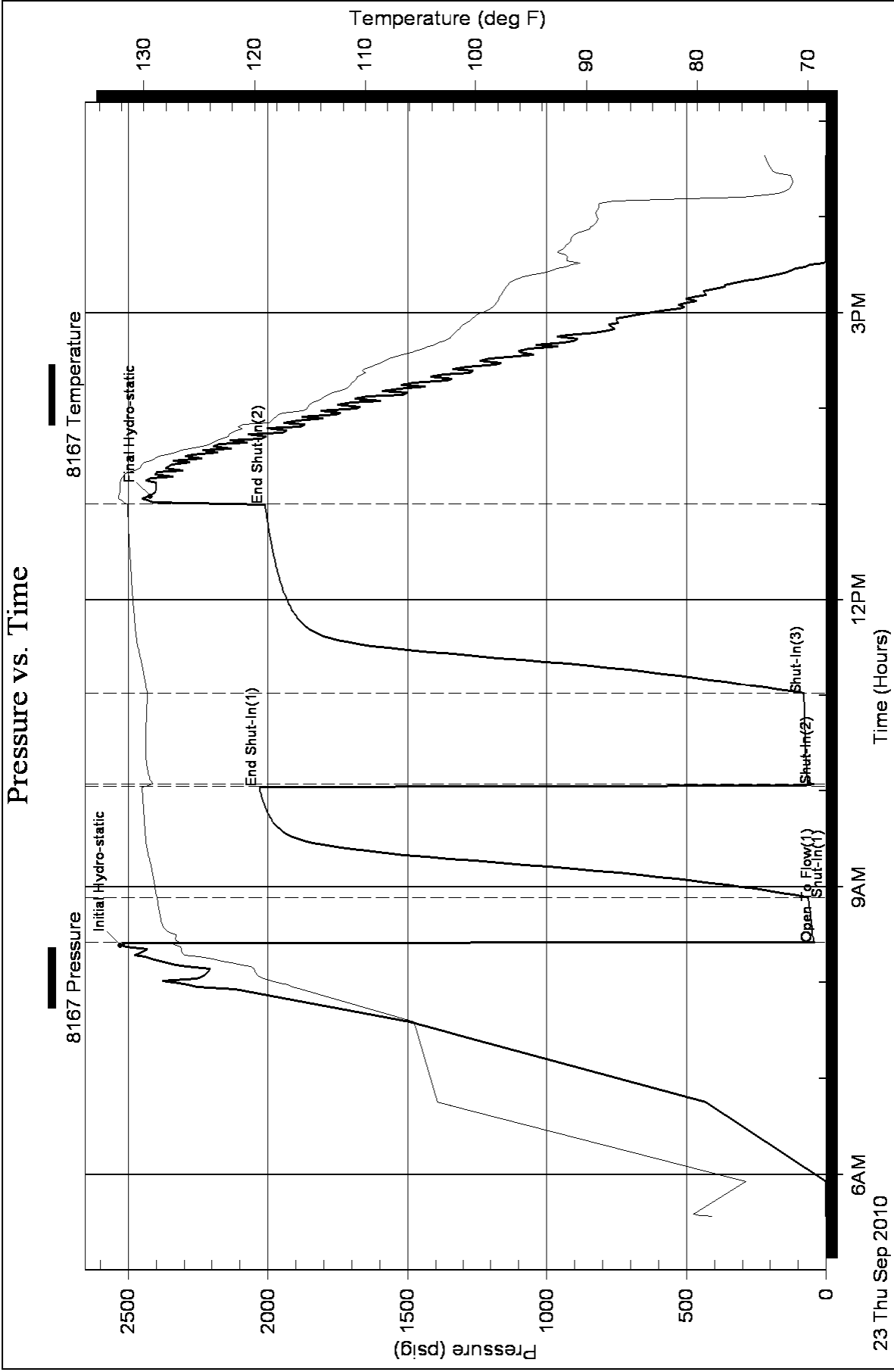
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments: LCM 6#/bbl





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Co.LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Ks**

ATTN: Roger Martin

Job Ticket: 38807

**DST#: 3**

Test Start: 2010.09.20 @ 23:56:42

## GENERAL INFORMATION:

Formation: **Miss.**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 03:05:12

Time Test Ended: 11:11:12

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

**Interval: 4705.00 ft (KB) To 4750.00 ft (KB) (TVD)**

Reference Elevations: 1347.00 ft (KB)

Total Depth: 4750.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 8167**

**Inside**

Press @ Run Depth: 249.67 psig @ 4706.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.20

End Date: 2010.09.21

Last Calib.: 2010.09.21

Start Time: 23:56:47

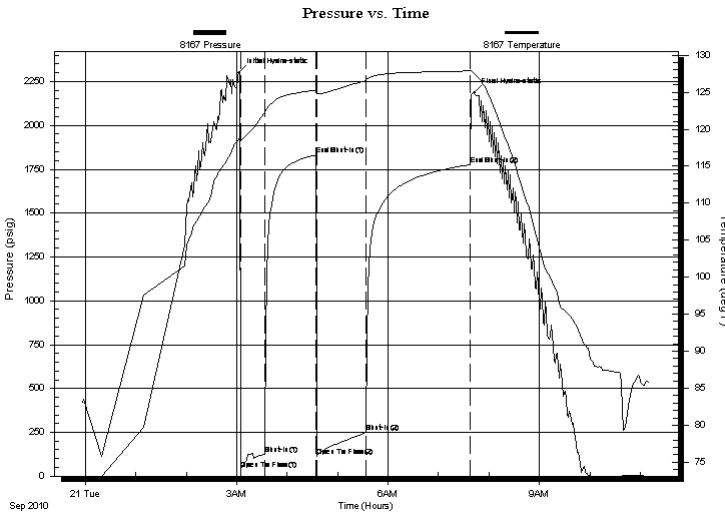
End Time: 11:11:12

Time On Btm: 2010.09.21 @ 03:02:57

Time Off Btm: 2010.09.21 @ 07:42:27

**TEST COMMENT:** IF: Strong blow . B.O.B. in 55 secs.  
IS: Fair blow . Increase to 8".  
FF: Strong blow . GTS in 6 mins. (see gas flow report)  
FS: Strong blow . B.O.B. 7 mins. after bled off.

## PRESSURE SUMMARY



| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2300.18         | 118.66       | Initial Hydro-static |
| 3           | 41.26           | 118.45       | Open To Flow (1)     |
| 31          | 125.63          | 122.17       | Shut-In(1)           |
| 92          | 1830.21         | 125.27       | End Shut-In(1)       |
| 93          | 110.60          | 124.85       | Open To Flow (2)     |
| 151         | 249.67          | 126.58       | Shut-In(2)           |
| 275         | 1776.33         | 127.88       | End Shut-In(2)       |
| 280         | 2185.01         | 127.54       | Final Hydro-static   |

## Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 245.00      | SW /Rw .065 ohms @83deg  | 1.80         |
| 185.00      | MW w/o specs 11% m 89% w | 2.60         |
| 100.00      | SOCWM 1% o 49% w 50% m   | 1.40         |
|             |                          |              |
|             |                          |              |

## Gas Rates

|                | Choke (inches) | Pressure (psig) | Gas Rate (Mcf/d) |
|----------------|----------------|-----------------|------------------|
| First Gas Rate | 0.25           | 3.00            | 27.76            |
| Last Gas Rate  | 0.25           | 3.00            | 27.76            |
| Max. Gas Rate  | 0.25           | 3.50            | 28.56            |



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Co.LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Ks**

Job Ticket: 38807

**DST#: 3**

ATTN: Roger Martin

Test Start: 2010.09.20 @ 23:56:42

## 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:

104000 ppm

Viscosity: 53.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 12.79 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 10600.00 ppm

Filter Cake: 0.21 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description             | Volume<br>bbl |
|--------------|-------------------------|---------------|
| 245.00       | SW /Rw .065 ohms @83deg | 1.797         |
| 185.00       | MW w/o specs 11%m 89%w  | 2.595         |
| 100.00       | SOCWM 1%o 49%w 50%m     | 1.403         |

Total Length: 530.00 ft

Total Volume: 5.795 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

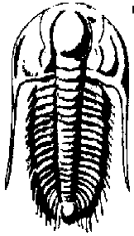
Serial #: gp-3

Laboratory Name: caraway

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Co.LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Ks**

Job Ticket: 38807

**DST#: 3**

ATTN: Roger Martin

Test Start: 2010.09.20 @ 23:56:42

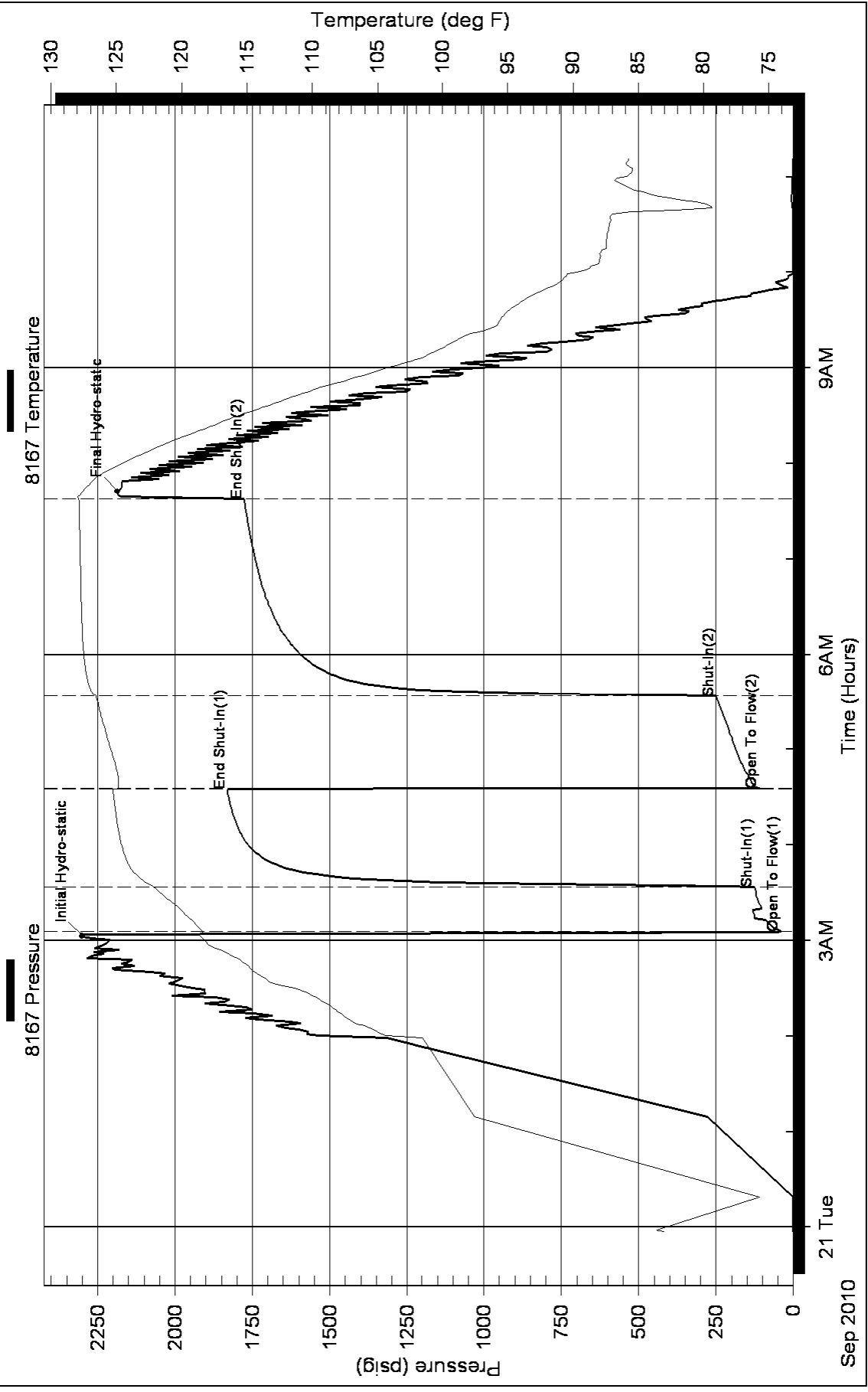
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m <sup>3</sup> /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 2           | 10           | 0.25       | 3.00            | 27.76                        |
| 2           | 10           | 0.25       | 3.00            | 27.76                        |
| 2           | 20           | 0.25       | 3.50            | 28.56                        |
| 2           | 30           | 0.25       | 3.00            | 27.76                        |
| 2           | 40           | 0.25       | 3.00            | 27.76                        |
| 2           | 50           | 0.25       | 3.00            | 27.76                        |

### Pressure vs. Time





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Woolsey Operating Company, LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Co**

Job Ticket: 039202

**DST#: 2**

ATTN: Roger Martin

Test Start: 2010.09.18 @ 14:52:41

## GENERAL INFORMATION:

Formation: **Mississippi**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 17:33:11

Time Test Ended: 00:15:41

Test Type: Conventional Bottom Hole

Tester: Jerry Adams

Unit No: 45

**Interval: 4677.00 ft (KB) To 4705.00 ft (KB) (TVD)**

Reference Elevations: 1347.00 ft (KB)

Total Depth: 4705.00 ft (KB) (TVD)

1338.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Fair

KB to GR/CF: 9.00 ft

**Serial #: 6798**

**Inside**

Press @ Run Depth: 32.97 psig @ 4678.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.09.18

End Date:

2010.09.19

Last Calib.:

2010.09.19

Start Time: 14:52:42

End Time:

00:15:41

Time On Btm:

2010.09.18 @ 17:30:41

Time Off Btm:

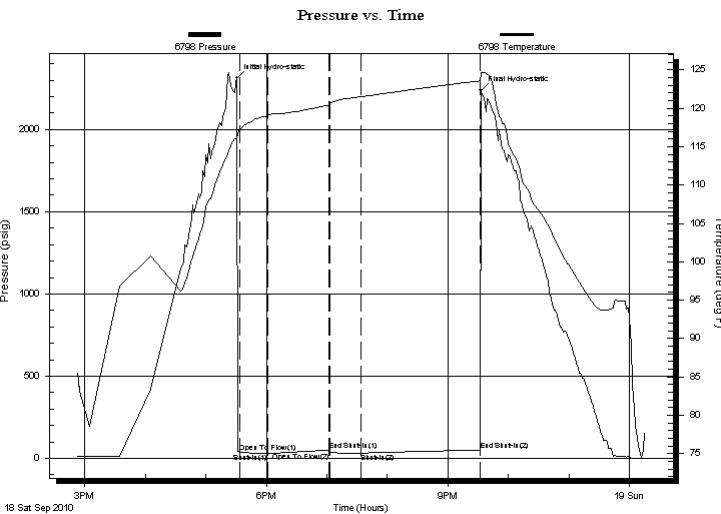
2010.09.18 @ 21:32:41

TEST COMMENT: IF:Weak 1/8" blow . Dead in 12 mins.

IS:No blow .

FF:No blow .

FS:No blow .



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2312.22         | 116.02       | Initial Hydro-static |
| 3           | 39.94           | 117.16       | Open To Flow (1)     |
| 31          | 31.36           | 118.99       | Shut-In(1)           |
| 91          | 50.44           | 120.40       | End Shut-In(1)       |
| 93          | 36.13           | 120.55       | Open To Flow (2)     |
| 123         | 32.97           | 121.50       | Shut-In(2)           |
| 241         | 51.14           | 123.56       | End Shut-In(2)       |
| 242         | 2237.45         | 124.53       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 5.00        | Drilling Mud 100%m | 0.02         |
| 0.00        |                    | 0.00         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Company, LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Co**

Job Ticket: 039202

**DST#: 2**

ATTN: Roger Martin

Test Start: 2010.09.18 @ 14:52:41

## 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: 45.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 14.39 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 8800.00 ppm

Filter Cake: 0.21 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 5.00         | Drilling Mud 100%m | 0.025         |
| 0.00         |                    | 0.000         |

Total Length: 5.00 ft      Total Volume: 0.025 bbl

Num Fluid Samples: 0

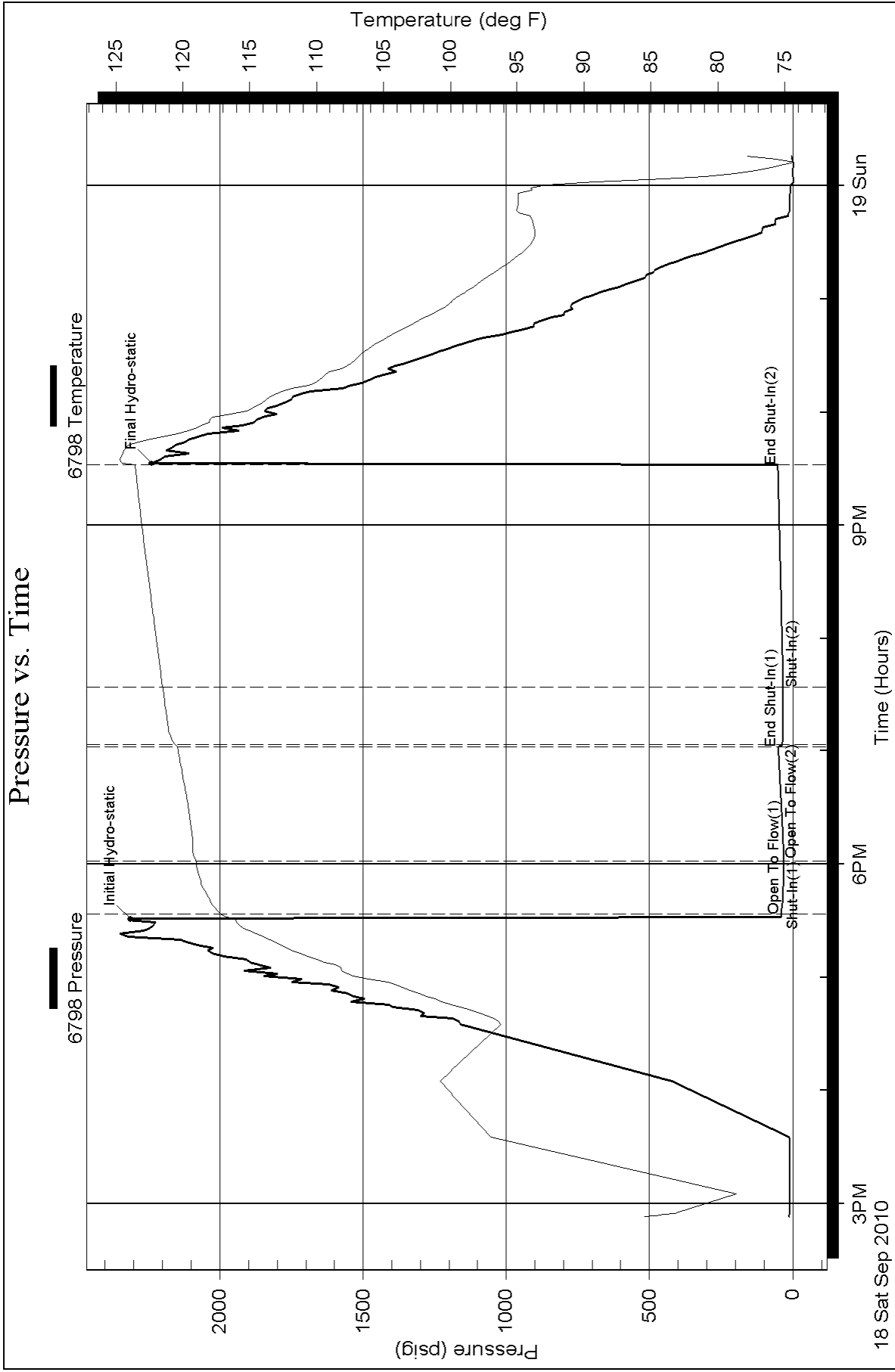
Num Gas Bombs: 0

Serial #: none

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Woolsey Operating Company, LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Co**

Job Ticket: 039201

**DST#: 1**

ATTN: Roger Martin

Test Start: 2010.09.17 @ 14:16:09

## 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: 47.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 9.19 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 5000.00 ppm

Filter Cake: 0.21 inches

## Recovery Information

Recovery Table

| Length<br>ft | Description   | Volume<br>bbbl |
|--------------|---------------|----------------|
| 302.00       | SGCM 5%g 95%m | 2.578          |
| 0.00         | 4232' GIP     | 0.000          |
| 0.00         |               | 0.000          |

Total Length: 302.00 ft

Total Volume: 2.578 bbl

Num Fluid Samples: 0

Num Gas Bombs: 1

Serial #: JA-1

Laboratory Name: Caraway

Laboratory Location: Liberal, KS

Recovery Comments:



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Woolsey Operating Company, LLC

**Kisling #1**

125 N. Market, Ste. 1000  
Wichita, Kansas 67202

**22-34s-10w Barber Co**

Job Ticket: 039201

**DST#: 1**

ATTN: Roger Martin

Test Start: 2010.09.17 @ 14:16:09

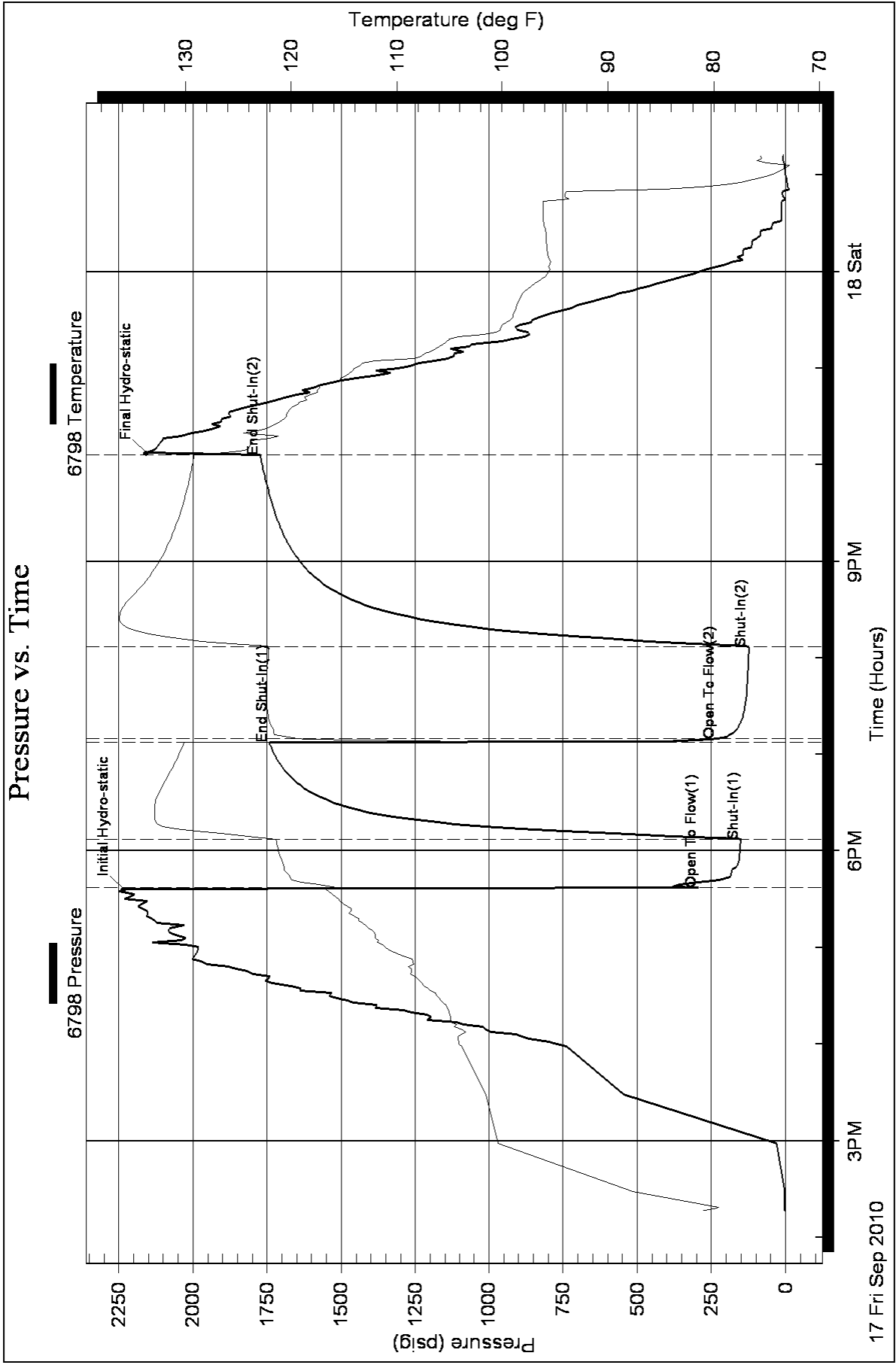
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

| Flow Period | Elapsed Time | Choke (mm) | Pressure (kPaa) | Gas Rate (m <sup>3</sup> /d) |
|-------------|--------------|------------|-----------------|------------------------------|
| 1           | 10           | 0.75       | 4.00            | 288.97                       |
| 1           | 20           | 0.75       | 4.00            | 288.97                       |
| 1           | 30           | 0.75       | 3.00            | 273.35                       |
| 2           | 10           | 0.75       | 10.00           | 382.69                       |
| 2           | 20           | 0.75       | 4.00            | 288.97                       |
| 2           | 30           | 0.75       | 2.00            | 257.73                       |
| 2           | 40           | 0.75       | 2.00            | 257.73                       |
| 2           | 50           | 0.75       | 2.00            | 257.73                       |
| 2           | 60           | 0.75       | 1.50            | 249.92                       |
| 0           | -            | -999999.00 | -999999.00      | -999999.00                   |

### Pressure vs. Time





# ALLIED CEMENTING CO., LLC. 042213

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Medicine Lodge, KS*

|                         |                 |  |                   |            |                      |                 |                           |
|-------------------------|-----------------|--|-------------------|------------|----------------------|-----------------|---------------------------|
| DATE <u>092610</u>      | SEC. <u>22</u>  | TWP. <u>34s</u>                                | RANGE <u>10 W</u> | CALLED OUT | ON LOCATION          | JOB START       | JOB FINISH <u>4:20 PM</u> |
| LEASE <u>Kisling</u>    | WELL # <u>1</u> | LOCATION <u>Hazelton, KS, 25 1/2, 1/2, 1/2</u> |                   |            | COUNTY <u>Barber</u> | STATE <u>KS</u> |                           |
| OLD OR NEW (Circle one) |                 |  |                   |            |                      |                 |                           |

CONTRACTOR Tomcat #1  
 TYPE OF JOB Production Casing  
 HOLE SIZE 7 7/8 T.D. 5360  
 CASING SIZE 4 1/2 11.6 DEPTH 5349  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX 9500 MINIMUM —  
 MEAS. LINE SHOE JOINT 42.20  
 CEMENT LEFT IN CSG. 42'  
 PERFS.  
 DISPLACEMENT 84 Bbls 2% KCL Water

OWNER Woolsey  
 CEMENT  
 AMOUNT ORDERED 90sx 60:40:4% gel + 1/4 # Floseal & 205sx class H + 10% salt + 10% gyp + 6 # Kolseal + 1/4 # Floseal + .8% FL160 & 8 gals Clapro  

|          |                  |                |                       |
|----------|------------------|----------------|-----------------------|
| COMMON A | <u>54 sx</u>     | @ <u>15.45</u> | <u>834.30</u>         |
| POZMIX   | <u>36 sx</u>     | @ <u>8.00</u>  | <u>288.00</u>         |
| GEL      | <u>3 sx</u>      | @ <u>20.80</u> | <u>62.40</u>          |
| CHLORIDE |                  | @              |                       |
| ASG      |                  | @              |                       |
| H        | <u>205 sx</u>    | @ <u>16.75</u> | <u>3433.75</u>        |
| Gypseal  | <u>19 sx</u>     | @ <u>29.20</u> | <u>554.80</u>         |
| SALT     | <u>22 sx</u>     | @ <u>12.00</u> | <u>264.00</u>         |
| Kolseal  | <u>1230</u>      | @ <u>.89</u>   | <u>1094.70</u>        |
| floseal  | <u>73.75</u>     | @ <u>2.50</u>  | <u>184.37</u>         |
| FL-160   | <u>154.16</u>    | @ <u>13.30</u> | <u>2050.32</u>        |
| Clapro   | <u>8 Gal</u>     | @ <u>31.25</u> | <u>250.00</u>         |
| HANDLING | <u>365</u>       | @ <u>2.40</u>  | <u>876.00</u>         |
| MILEAGE  | <u>365/10/25</u> |                | <u>912.50</u>         |
|          |                  |                | TOTAL <u>10805.14</u> |

EQUIPMENT  
 PUMP TRUCK CEMENTER D. Felis  
 # 360-265 HELPER M. Thinesch  
 BULK TRUCK  
 # 381-290 DRIVER R. Gilley  
 BULK TRUCK  
 # DRIVER Regulatory Correspondence  
Tests / Meters Workovers Operations

REMARKS:

Pipe on B + M, Break Circ, Plug Rat & Mouse Holes w/ 90sx 6040 cement, Pump 50sx Scavenger Cement, Mix 205sx + salt. Cement, Stop Pump, Wash Pump & Lines, Release Plug, Start Disp. w/ 2% KCL Water. See Steady increase in Pst, Slow Rate, at 95 Bbls. Bump Plug at 84 Bbls total Disp. Release Pst. Floats Drill Hold

CHARGE TO: Woolsey Oper.  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

SERVICE

DEPTH OF JOB 5349  
 PUMP TRUCK CHARGE 2185.00  
 EXTRA FOOTAGE @  
 MILEAGE 25 @ 7.00 175.00  
 MANIFOLD Hand rental @  
 @  
 @

TOTAL 2360.00

PLUG & FLOAT EQUIPMENT

1- AFU Float Shoe @ 205.00  
1- Latch down Plug Assy @ 145.00  
11- Turbo Lizers @ 37.20 415.80  
26- Recip. Scatchers @ 55.65 1446.90  
 @

TOTAL 2212.70

SALES TAX (If Any) \_\_\_\_\_  
 TOTAL CHARGES 2212.70  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Herb Pursant  
 SIGNATURE Herb Pursant

4 1/2"

# ALLIED CEMENTING CO., LLC. 037053

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Medicine Lake, ks*

|                                |                 |   |                  |                           |                            |                         |                          |
|--------------------------------|-----------------|---|------------------|---------------------------|----------------------------|-------------------------|--------------------------|
| DATE <i>9-11-2010</i>          | SEC. <i>22</i>  | TWP. <i>34s</i>                                   | RANGE <i>10w</i> | CALLED OUT <i>8:30 AM</i> | ON LOCATION <i>11:30am</i> | JOB START <i>4:00pm</i> | JOB FINISH <i>4:30pm</i> |
| LEASE <i>Kisling</i>           | WELL # <i>1</i> | LOCATION <i>Hazelton, ks 1 south</i>              |                  |                           | COUNTY <i>Barber</i>       | STATE <i>KS</i>         |                          |
| OLD OR <u>NEW</u> (Circle one) |                 | <i>1 East to Sand plum Rd, 3/10 south, Winton</i> |                  |                           |                            |                         |                          |

|  |                                 |
|--|---------------------------------|
| CONTRACTOR <i>Tomest #1</i>            | OWNER <i>Woolsey, Operating</i> |
| TYPE OF JOB <i>Surface</i>             |                                 |
| HOLE SIZE <i>14 3/4</i>                | T.D. <i>230'</i>                |
| CASING SIZE <i>10 3/4</i>              | DEPTH <i>232'</i>               |
| TUBING SIZE                            | DEPTH                           |
| DRILL PIPE                             | DEPTH                           |
| TOOL                                   | DEPTH                           |
| PRES. MAX                              | MINIMUM                         |
| MEAS. LINE                             | SHOE JOINT                      |
| CEMENT LEFT IN CSG. <i>20'</i>         |                                 |
| PERFS.                                 |                                 |
| DISPLACEMENT <i>21 bbls Freshwater</i> |                                 |

|   |  |
|---|--|
| CEMENT  |  |
| AMOUNT ORDERED <i>230sy Class A + 390cc + 20% Gel</i> |  |

|                        |                |                |
|------------------------|----------------|----------------|
| COMMON <i>A 230 sy</i> | @ <i>15.45</i> | <i>3553.50</i> |
| POZMIX                 | @              |                |
| GEL <i>5 sy</i>        | @ <i>20.80</i> | <i>104.00</i>  |
| CHLORIDE <i>8 sy</i>   | @ <i>58.20</i> | <i>465.60</i>  |
| ASC                    | @              |                |

|                              |                         |                     |
|------------------------------|-------------------------|---------------------|
| PUMP TRUCK # <i>2121-302</i> | CEMENTER <i>Derin F</i> | HELPER <i>Ron G</i> |
| BULK TRUCK # <i>364</i>      | DRIVER <i>Jason T.</i>  |                     |
| BULK TRUCK #                 | DRIVER                  |                     |

**WELL FILE**  
Regulatory Correspondence  
Drig / Comp Workovers  
Tests / Meters Operations

|                               |               |                      |
|-------------------------------|---------------|----------------------|
| HANDLING <i>243</i>           | @ <i>2.40</i> | <i>583.20</i>        |
| MILEAGE <i>243 / 25 / 100</i> |               | <i>607.50</i>        |
|                               |               | TOTAL <i>5313.80</i> |

**REMARKS:**

*Pipe on bottom & break circulation  
Pump 3 bbls 9hgs, mix 230sy of  
Cement, Displace 21 bbls of Fresh water  
Shut in, Cement did Circulate*

**SERVICE**

|                                  |               |               |
|----------------------------------|---------------|---------------|
| DEPTH OF JOB <i>232</i>          |               |               |
| PUMP TRUCK CHARGE <i>1018.00</i> |               |               |
| EXTRA FOOTAGE                    | @             |               |
| MILEAGE <i>25</i>                | @ <i>7.00</i> | <i>175.00</i> |
| MANIFOLD                         | @             |               |
| <i>Shubs &amp; Ugs</i>           | @             |               |
|                                  | @             |               |

TOTAL *1193.00*

CHARGE TO: *Woolsey Operating*  
STREET \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

|             |   |
|-------------|---|
| <i>none</i> | @ |
|             | @ |
|             | @ |
|             | @ |
|             | @ |

TOTAL \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

|                    |                    |
|--------------------|--------------------|
| SALES TAX (If Any) | _____              |
| TOTAL CHARGES      | <del>_____</del>   |
| DISCOUNT _____     | IF PAID IN 30 DAYS |

PRINTED NAME *X MIKE TARD*

SIGNATURE *X [Signature]*

*Thank YOU!!!*



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

January 07, 2011

DEAN PATTISSON  
Woolsey Operating Company, LLC  
125 N MARKET STE 1000  
WICHITA, KS 67202-1729

Re: ACO1  
API 15-007-23592-00-00  
KISLING 1  
NE/4 Sec.22-34S-10W  
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
DEAN PATTISSON

ROGER L. MARTIN

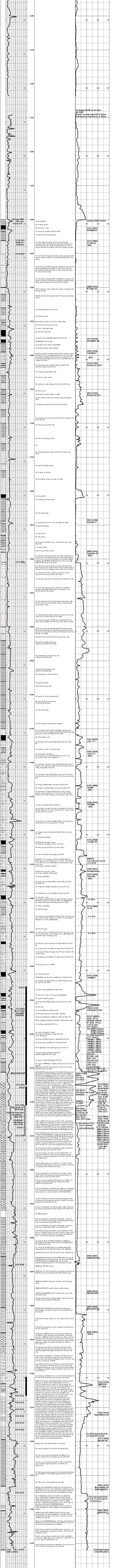
INDEPENDENT PETROLEUM GEOLOGIST 316-250-6970

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY WOOLSEY OPERATING CO., LLC
LEASE KISLING # 1
FIELD 1980' FNL & 990' FEL (W/2 SE NE/4)
SECTION 22 TOWNSHIP 34S RANGE 10W
CONTRACTOR Tomcat Drilling, LLC.
SPUD COMP
RTD LTD
ELEVATIONS KB 1347' GL 1338'
Measurements Are All KB: 1347'
API 15-007-23592-00-00

Table with 3 columns: FORMATION TOPS, LOG, SAMPLES, CHRONOLOGY. Includes remarks section at the bottom.



Geologist (RLM) on location @ 3240'
Depth correction @ 3245' & Reset
Anti-Bounce from 45sec. to 20sec.

3577 (2230)
HEEBNER SH

3595 (2248)
TORONTO
(NS)

3570 (2310)
DOUGLAS SH ?

3805 (2498)
Haskell LS

3890 (2543)
Stobaker Sh
(NS)

4167 (2820)
LKC-7"

4185 (2830)
10LA"
(NS)

4235 (2888)
DRUM
(NS)

4260 (2913)
DENNIS
(NS)

4315 (2968)
STARK SH

4358 (3011)
Hushpuckney
(NS)

4367 (3020)
HERTHA
(NS)

4367 (3125)
HASKELL GRP.

4375 (3168)
PAWNEE

4385 (3189)
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4398 (3200)
HARDY

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