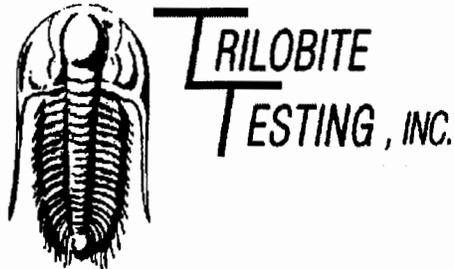


ORIGINAL



**DRILL STEM TEST REPORT**

Prepared For: **Woolsey Petroleum, Corp.**

125 N. Market #1000  
Wichita, KS 67202-1775

ATTN: Mike Maune

**29-32s-12w Barber KS**

**Warwick #5**

Start Date: 2001.10.03 @ 20:05:28

End Date: 2001.10.04 @ 06:39:58

Job Ticket #: 14103                      DST #: 1

**RECEIVED**  
KANSAS CORPORATION COMMISSION

**APR 24 2002**

CONSERVATION DIVISION  
WICHITA, KS

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Woolsey Petroleum, Corp.

Warwick #5

29-32s-12w Barber KS

DST # 1

Snyderville sd.

2001.10.03



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Woolsey Petroleum, Corp.

**Warwick #5**

125 N. Market #1000  
Wichita, KS 67202--1775

**29-32s-12w Barber KS**

Job Ticket: 14103

**DST#: 1**

ATTN: Mike Maune

Test Start: 2001.10.03 @ 20:05:28

### GENERAL INFORMATION:

Formation: **Snyderville sd.**

Deviated: **No Whipstock:** ft (KB)

Time Tool Opened: 21:44:28

Time Test Ended: 06:39:58

Test Type: **Conventional Bottom Hole**

Tester: **Darren L. Amerine**

Unit No: **19**

Interval: **3794.00 ft (KB) To 3830.00 ft (KB) (TVD)**

Total Depth: **3830.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Fair**

Reference Elevations: **1698.00 ft (KB)**

**1689.00 ft (CF)**

KB to GR/CF: **9.00 ft**

**Serial #: 3302**

**Inside**

Press@RunDepth: **32.11 psig @ 3795.00 ft (KB)**

Start Date: **2001.10.03**

End Date:

**2001.10.04**

Capacity: **7000.00 psig**

Last Calib.: **2001.10.04**

Start Time: **20:05:30**

End Time:

**06:39:58**

Time On Btm: **2001.10.03 @ 21:41:58**

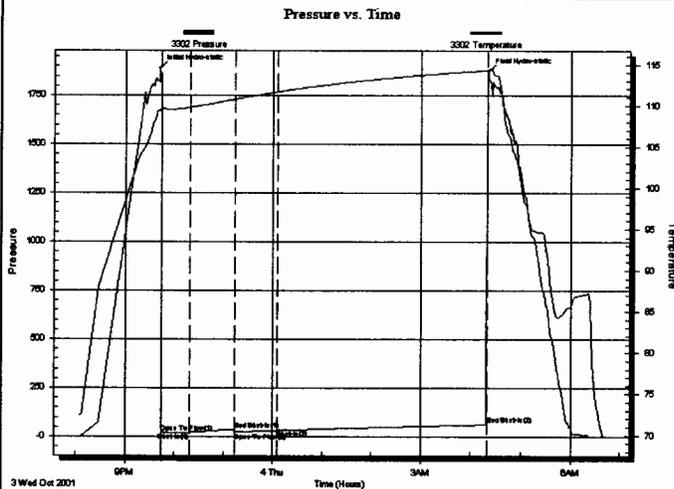
Time Off Btm: **2001.10.04 @ 04:20:28**

TEST COMMENT: **F:Weak surface blow died in 15 mins.**

**IS:No blow back.**

**FF:Dead blow .**

**FS:No blow back.**



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1888.43         | 109.49       | Initial Hydro-static |
| 3           | 21.63           | 109.83       | Open To Flow (1)     |
| 37          | 20.91           | 109.76       | Shut-In(1)           |
| 92          | 36.43           | 110.77       | End Shut-In(1)       |
| 92          | 21.89           | 110.78       | Open To Flow (2)     |
| 143         | 32.11           | 111.68       | Shut-In(2)           |
| 397         | 63.11           | 114.29       | End Shut-In(2)       |
| 399         | 1873.57         | 114.26       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 15.00       | VSGCM 2%gas 98%mud | 0.21         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Petroleum, Corp.

**Warwick #5**

125 N. Market #1000  
Wichita, KS 67202--1775

**29-32s-12w Barber KS**

Job Ticket: 14103

**DST#: 1**

ATTN: Mike Maune

Test Start: 2001.10.03 @ 20:05:28

### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3790.00 ft | Diameter: 3.80 inches | Volume: 53.16 bbl              | Tool Weight: 2100.00 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: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 45000.00 lb  |
|                           |                    |                       | <u>Total Volume: 53.16 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 24.00 ft           |                       |                                | String Weight: Initial 40000.00 lb |
| Depth to Top Packer:      | 3794.00 ft         |                       |                                | Final 40000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 36.00 ft           |                       |                                |                                    |
| Tool Length:              | 64.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| C.O. Sub         | 1.00        |            |          | 3767.00    |                               |
| S.I. Tool        | 5.00        |            |          | 3772.00    |                               |
| HMV              | 5.00        |            |          | 3777.00    |                               |
| Jars             | 5.00        |            |          | 3782.00    |                               |
| Safety Joint     | 2.00        |            |          | 3784.00    |                               |
| Packer           | 5.00        |            |          | 3789.00    | 28.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3794.00    |                               |
| Stubb            | 1.00        |            |          | 3795.00    |                               |
| Recorder         | 0.00        | 3302       | Inside   | 3795.00    |                               |
| Anchor           | 29.00       |            |          | 3824.00    |                               |
| Recorder         | 0.00        | 13769      | Outside  | 3824.00    |                               |
| Bullnose         | 6.00        |            |          | 3830.00    | 36.00 Bottom Packers & Anchor |

**Total Tool Length: 64.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Petroleum, Corp.

**Warwick #5**

125 N.Market #1000  
Wichita, KS 67202--1775

**29-32s-12w Barber KS**

Job Ticket: 14103

**DST#: 1**

ATTN: Mike Maune

Test Start: 2001.10.03 @ 20:05:28

**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: 50.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 9.57 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: 2.00 ohm.m          | Gas Cushion Pressure: psig |                 |         |
| Salinity: 7000.00 ppm            |                            |                 |         |
| Filter Cake: 0.32 inches         |                            |                 |         |

**Recovery Information**

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 15.00        | VSGCM 2%gas 98%mud | 0.210         |

Total Length: 15.00 ft      Total Volume: 0.210 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

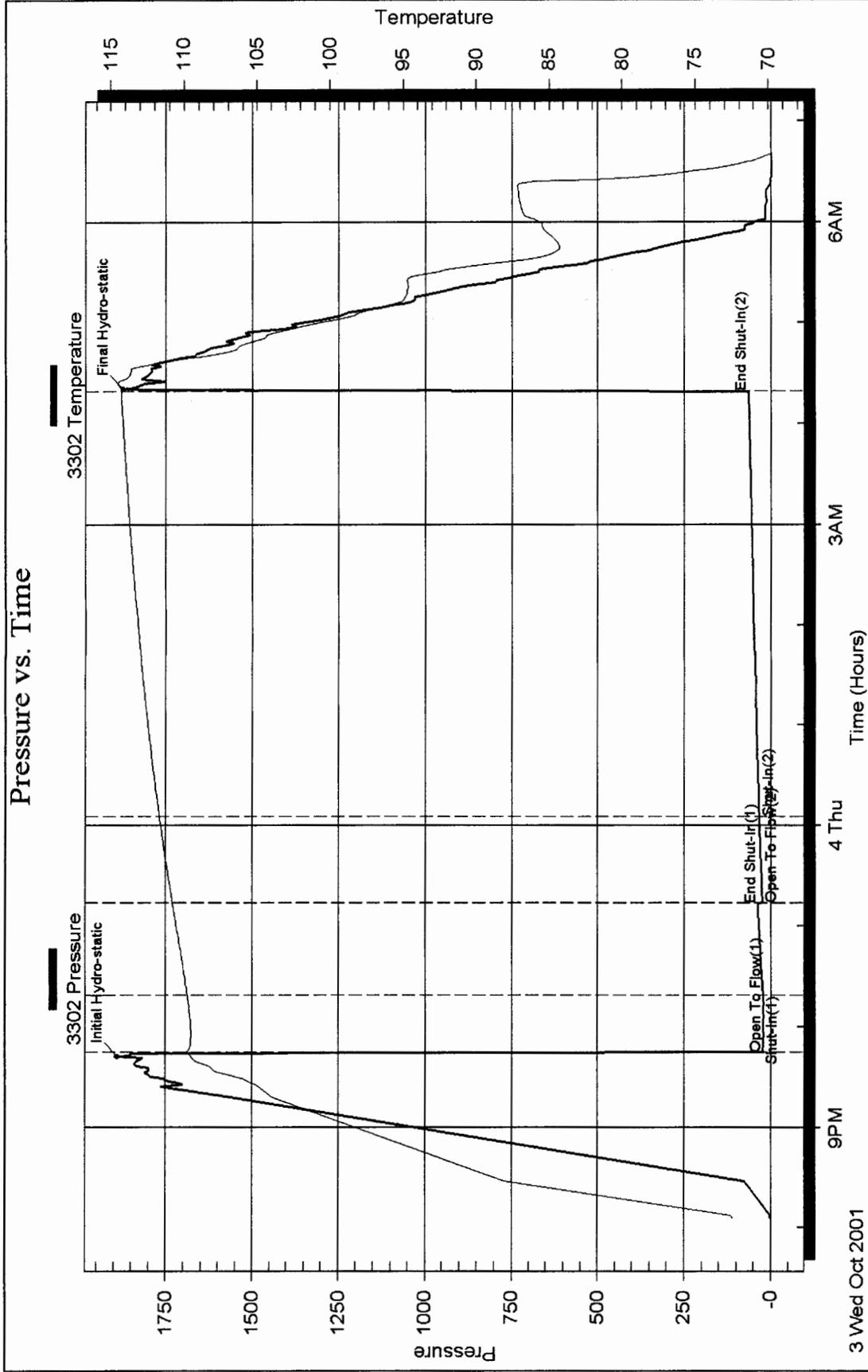
Serial #:

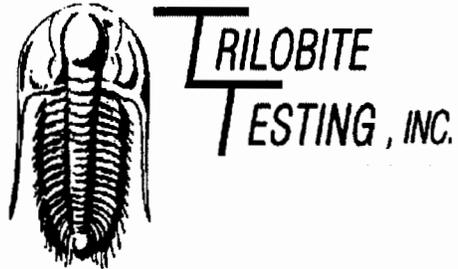
Laboratory Name:

Laboratory Location:

Recovery Comments:

### Pressure vs. Time





## DRILL STEM TEST REPORT

Prepared For: **Woolsey Petroleum, Corp.**

125 N. Market #1000  
Wichita, KS 67202-1775

ATTN: Mike Maune

**29-32s-12w Barber KS**

**Warwick #5**

Start Date: 2001.10.08 @ 00:52:03

End Date: 2001.10.08 @ 13:33:33

Job Ticket #: 14104                      DST #: 2

Trilobite Testing, Inc  
PO Box 362 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Woolsey Petroleum, Corp.

Warwick #5

29-32s-12w Barber KS

DST # 2

Mississippian

2001.10.08



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Woolsey Petroleum, Corp.

**Warwick #5**

125 N. Market #1000  
Wichita, KS 67202--1775

**29-32s-12w Barber KS**

Job Ticket: 14104      **DST#: 2**

ATTN: Mike Maune

Test Start: 2001.10.08 @ 00:52:03

## GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: **No Whipstock:**      ft (KB)

Time Tool Opened: 03:39:33

Time Test Ended: 13:33:33

Test Type: **Conventional Bottom Hole**

Tester: **Darren L. Amerine**

Unit No: **19**

Interval: **4505.00 ft (KB) To 4570.00 ft (KB) (TVD)**

Total Depth: **4570.00 ft (KB) (TVD)**

Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1698.00 ft (KB)**

**1689.00 ft (CF)**

KB to GR/CF: **9.00 ft**

**Serial #: 3302**

**Inside**

Press@RunDepth: **82.58 psig @ 4506.00 ft (KB)**

Start Date: **2001.10.08**

Start Time: **00:52:05**

End Date:

End Time:

**2001.10.08**

**13:33:33**

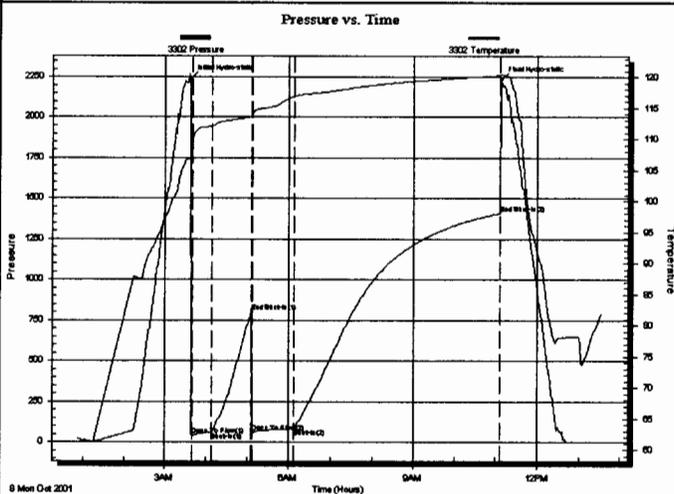
Capacity: **7000.00 psig**

Last Calib.: **2001.10.08**

Time On Btm: **2001.10.08 @ 03:37:48**

Time Off Btm: **2001.10.08 @ 11:07:48**

**TEST COMMENT:** F: Fair blow built to b.o.b in 2 mins.  
IS: Bled down for 5 mins. no blow back.  
FF: Strong blow b.o.b in 60 sec.  
FS: Bled down for 10 mins. no blow back.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2240.85         | 107.16       | Initial Hydro-static |
| 2           | 41.42           | 108.50       | Open To Flow (1)     |
| 31          | 62.87           | 112.09       | Shut-In(1)           |
| 89          | 804.56          | 113.57       | End Shut-In(1)       |
| 90          | 61.47           | 113.77       | Open To Flow (2)     |
| 151         | 82.58           | 116.87       | Shut-In(2)           |
| 449         | 1409.44         | 120.29       | End Shut-In(2)       |
| 450         | 2232.70         | 120.51       | Final Hydro-static   |

## Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 60.00       | 103 - Gas and Oil cut Mud | 0.30         |
| 95.00       | SO&GCM                    | 0.77         |
| 3845.00     | 01 - Gas                  | 53.94        |
|             |                           |              |
|             |                           |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Woolsey Petroleum, Corp.  
125 N. Market #1000  
Wichita, KS 67202--1775  
ATTN: Mike Maune

**Warwick #5**  
**29-32s-12w Barber KS**  
Job Ticket: 14104      **DST#: 2**  
Test Start: 2001.10.08 @ 00:52:03

### Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4375.00 ft | Diameter: 3.80 inches | Volume: 61.37 bbl              | Tool Weight: 2100.00 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: 122.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl               | Weight to Pull Loose: 75000.00 lb  |
|                           |                    |                       | <u>Total Volume: 61.97 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 20.00 ft           |                       |                                | String Weight: Initial 50000.00 lb |
| Depth to Top Packer:      | 4505.00 ft         |                       |                                | Final 50000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 65.00 ft           |                       |                                |                                    |
| Tool Length:              | 93.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                     |
|------------------|-------------|------------|----------|------------|------------------------------------|
| C.O. Sub         | 1.00        |            |          | 4478.00    |                                    |
| S.I. Tool        | 5.00        |            |          | 4483.00    |                                    |
| HMV              | 5.00        |            |          | 4488.00    |                                    |
| Jars             | 5.00        |            |          | 4493.00    |                                    |
| Safety Joint     | 2.00        |            |          | 4495.00    |                                    |
| Packer           | 5.00        |            |          | 4500.00    | 28.00      Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4505.00    |                                    |
| Stubb            | 1.00        |            |          | 4506.00    |                                    |
| Recorder         | 0.00        | 3302       | Inside   | 4506.00    |                                    |
| Anchor           | 30.00       |            |          | 4536.00    |                                    |
| Recorder         | 0.00        | 13769      | Outside  | 4536.00    |                                    |
| Blank Spacing    | 32.00       |            |          | 4568.00    |                                    |
| Bullnose         | 2.00        |            |          | 4570.00    | 65.00      Bottom Packers & Anchor |

**Total Tool Length: 93.00**



**TRILOBITE  
TESTING, INC.**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Woolsey Petroleum, Corp.

**Warwick #5**

125 N. Market #1000  
Wichita, KS 67202--1775

**29-32s-12w Barber KS**

Job Ticket: 14104

**DST#: 2**

ATTN: Mike Maune

Test Start: 2001.10.08 @ 00:52:03

**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: 54.00 sec/qt          | Cushion Volume: bbl        |                 |         |
| Water Loss: 7.98 in <sup>3</sup> | Gas Cushion Type:          |                 |         |
| Resistivity: 1.00 ohm.m          | Gas Cushion Pressure: psig |                 |         |
| Salinity: 5000.00 ppm            |                            |                 |         |
| Filter Cake: 0.32 inches         |                            |                 |         |

**Recovery Information**

Recovery Table

| Length<br>ft | Description               | Volume<br>bbl |
|--------------|---------------------------|---------------|
| 60.00        | 103 - Gas and Oil cut Mud | 0.295         |
| 95.00        | SO&GCM                    | 0.768         |
| 3845.00      | 01 - Gas                  | 53.935        |

Total Length: 4000.00 ft      Total Volume: 54.998 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 3302

Inside

Woodsey Petroleum, Corp.

29-32s-12w Barber KS

DST Test Number: 2

