



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum, Corporation.**

8080 E. Central Suite #300  
Wichita, Kansas. 67206

ATTN: Tim Priest

**33-25S-20W**

**Biaggi "A" #2-33**

Start Date: 2005.08.11 @ 14:15:50

End Date: 2005.08.11 @ 23:35:35

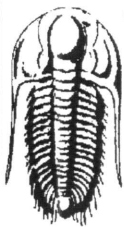
Job Ticket #: 20686      DST #: 1

RECEIVED  
KANSAS CORPORATION COMMISSION

**AUG 31 2007**

CONSERVATION DIVISION  
WICHITA, KS

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

McCoy Petroleum Corporation.

8080 E. Central Suite #300  
Wichita, Kansas 67206

ATTN: Tim Priest

Biaggi "A" #2-33

33-25S-20W

Job Ticket: 20686

DST#: 1

Test Start: 2005.08.11 @ 14:15:50

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 16:58:50

Time Test Ended: 23:35:35

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 30

Interval: **4682.00 ft (KB) To 4718.00 ft (KB) (TVD)**

Total Depth: 4718.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2270.00 ft (KB)

2260.00 ft (CF)

KB to GR/CF: 10.00 ft

Serial #: 6668

Inside

Press@RunDepth: 21.97 psig @ 4687.00 ft (KB)

Start Date: 2005.08.11

End Date:

2005.08.11

Start Time: 14:15:51

End Time:

23:35:35

Capacity: 7000.00 psig

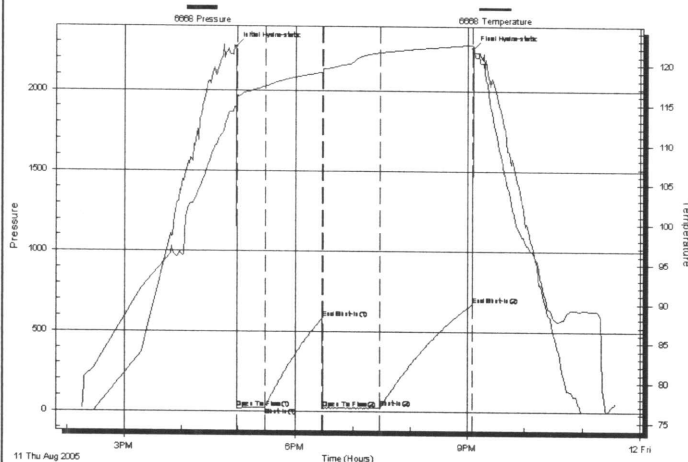
Last Calib.: 2005.08.11

Time On Btm: 2005.08.11 @ 16:57:35

Time Off Btm: 2005.08.11 @ 21:05:50

TEST COMMENT: IF: Fair blow b.o.b in 15 mins.  
IS: Bled down for 2 mins. no blow back.  
FF: Strong blow b.o.b in 10 sec.  
FS: Bled down for 2 mins. no blow back.

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2267.60         | 114.75       | Initial Hydro-static |
| 2           | 20.58           | 115.78       | Open To Flow (1)     |
| 31          | 23.16           | 117.28       | Shut-In (1)          |
| 90          | 579.34          | 119.07       | End Shut-In (1)      |
| 92          | 20.64           | 119.52       | Open To Flow (2)     |
| 150         | 21.97           | 121.56       | Shut-In (2)          |
| 248         | 670.41          | 122.54       | End Shut-In (2)      |
| 249         | 2259.46         | 122.35       | Final Hydro-static   |

### Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 0.00        | 1000' of gip       | 0.00         |
| 20.00       | SGCM4% gas 96% mud | 0.09         |
|             |                    |              |
|             |                    |              |
|             |                    |              |
|             |                    |              |

### Gas Rates

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



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation.

8080 E Central Suite #300  
Wichita, Kansas 67206

ATTN: Tim Priest

Biaggi "A" #2-33

33-25S-20W

Job Ticket: 20686

DST#: 1

Test Start: 2005.08.11 @ 14:15:50

### Tool Information

|                           |                    |                       |                         |                        |             |
|---------------------------|--------------------|-----------------------|-------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4433.00 ft | Diameter: 3.80 inches | Volume: 62.18 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: 248.00 ft  | Diameter: 2.20 inches | Volume: 1.17 bbl        | Weight to Pull Loose:  | 75000.00 lb |
|                           |                    |                       | Total Volume: 63.35 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 20.00 ft           |                       |                         | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      | 4682.00 ft         |                       |                         | Final                  | 70000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                         |                        |             |
| Interval between Packers: | 36.00 ft           |                       |                         |                        |             |
| Tool Length:              | 57.00 ft           |                       |                         |                        |             |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                         |                        |             |
| Tool Comments:            |                    |                       |                         |                        |             |

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Change Over Sub  | 1.00        |            |          | 4662.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4667.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4672.00    |                               |
| Packer           | 5.00        |            |          | 4677.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4682.00    |                               |
| Stubb            | 1.00        |            |          | 4683.00    |                               |
| Perforations     | 4.00        |            |          | 4687.00    |                               |
| Recorder         | 0.00        | 6668       | Inside   | 4687.00    |                               |
| Anchor           | 28.00       |            |          | 4715.00    |                               |
| Recorder         | 0.00        | 13266      | Outside  | 4715.00    |                               |
| Bullnose         | 3.00        |            |          | 4718.00    | 36.00 Bottom Packers & Anchor |

**Total Tool Length: 57.00**



**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

McCoy Petroleum Corporation.

Biaggi "A" #2-33

8080 E Central Suite #300  
Wichita, Kansas 67206

33-25S-20W

Job Ticket: 20686

DST#: 1

ATTN: Tim Priest

Test Start: 2005.08.11 @ 14:15:50

### Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 50.00 sec/qt

Water Loss: 9.18 in<sup>3</sup>

Resistivity: 0.50 ohm.m

Salinity: 2700.00 ppm

Filter Cake: 0.32 inches

Cushion Type:

Cushion Length:

Cushion Volume:

Gas Cushion Type:

Gas Cushion Pressure:

Oil API:

Water Salinity:

deg API

ppm

ft

bbl

psig

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 0.00         | 1000' of gip       | 0.000         |
| 20.00        | SGCM4% gas 96% mud | 0.094         |

Total Length: 20.00 ft      Total Volume: 0.094 bbl

Num Fluid Samples: 0

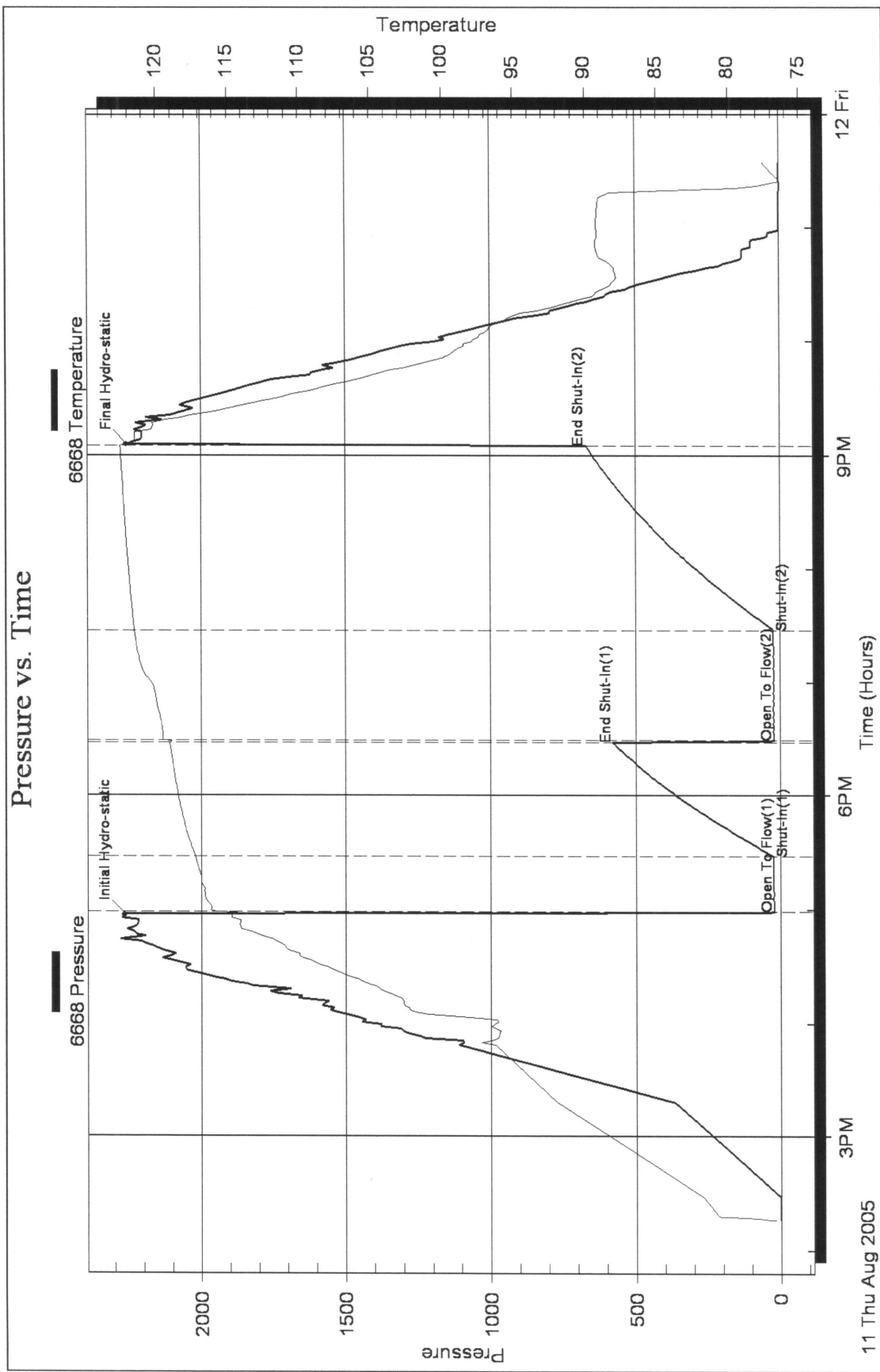
Num Gas Bombs: 0

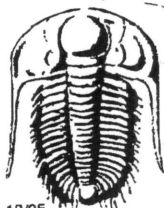
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





# TRILOBE TESTING INC.

P.O. Box 362 • Hays, Kansas 67601

15-185-23353-00-00 **Test Ticket**

Well Name & No. Garner #1 Test No. DST #1 Date 4-28-06  
 Company Hartman Oil Co. Zone Tested Cong. M.S.S.  
 Address 12950 E. 13th St. Wichita, KS. 67230 Elevation 1988 KB 1980 GL  
 Co. Rep / Geo. Jim Musgrave Rig Fossil Drilling  
 Location: Sec. 35 Twp. 25S Rge. 14W Co. Stafford State KS.  
 Comment: Slid 5' to Bottom. Release date / time: \_\_\_\_\_

Interval Tested 4126-4216 Initial Str Wt./Lbs. 64000 Unseated Str Wt./Lbs. 66000  
 Anchor Length 90' Wt. Set Lbs. 20000 Wt. Pulled Loose/Lbs. 80000  
 Top Packer Depth 4124 Tool Weight 2100  
 Bottom Packer Depth 4126 Hole Size 7 7/8" Rubber Size 6 3/4"  
 Total Depth 4216 Wt. Pipe Run none Drill Collar Run 321  
 Mud Wt. 90 LCM 2 1/2" Vis. 48 WL 7.2 Drill Pipe Size 4 1/2" Ft. Run 3793  
 Blow Description I.F.: Fair blow B.O.B. in 32 mins.  
I.S.I.: No blow  
E.F.: Weak to Fair blow Built to 6"  
F.S.I.: No blow

Recovery - Total Feet 265' GIP 60' Ft. in DC 265 Ft. in DP 0  
 Rec. 265 Feet of SGCM 5 %gas %oil %water 95 %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 Rec. \_\_\_\_\_ Feet of \_\_\_\_\_ %gas %oil %water %mud  
 BHT 112 °F Gravity N/C °API D @ \_\_\_\_\_ °F Corrected Gravity \_\_\_\_\_ °API  
 RW NO check @ \_\_\_\_\_ °F Chlorides 2400 ppm Recovery \_\_\_\_\_ Chlorides 2400 ppm System

|                                  |      |        |      |     |                 |               |              |   |
|----------------------------------|------|--------|------|-----|-----------------|---------------|--------------|---|
| (A) Initial Hydrostatic Mud      | AK-1 | Alpine | 1983 | PSI | Recorder No.    | 6625          | Test         | ✓ |
| (B) First Initial Flow Pressure  |      |        | 61   | PSI | (depth)         | 4128          | Jars         |   |
| (C) First Final Flow Pressure    |      |        | 97   | PSI | Recorder No.    | 11019         | Safety Jt.   |   |
| (D) Initial Shut-In Pressure     |      |        | 827  | PSI | (depth)         | 3' off Bottom | Circ Sub     |   |
| (E) Second Initial Flow Pressure |      |        | 108  | PSI | Recorder No.    | 4213          | Sampler      |   |
| (F) Second Final Flow Pressure   |      |        | 128  | PSI | (depth)         |               | Straddle     |   |
| (G) Final Shut-In Pressure       |      |        | 793  | PSI | Initial Opening | 45            | Ext. Packer  |   |
| (Q) Final Hydrostatic Mud        |      |        | 1981 | PSI | Initial Shut-In | 45            | Shale Packer |   |

TRILOBITE TESTING INC. SHALL NOT BE LIABLE FOR DAMAGED OF ANY KIND OF THE PROPERTY OR PERSONNEL OF THE ONE FOR WHOM A TEST IS MADE, OR FOR ANY LOSS SUFFERED OR SUSTAINED, DIRECTLY OR INDIRECTLY, THROUGH THE USE OF ITS EQUIPMENT, OR ITS STATEMENTS OR OPINION CONCERNING THE RESULTS OF ANY TEST. TOOLS LOST OR DAMAGED IN THE HOLE SHALL BE PAID FOR AT COST BY THE PARTY FOR WHOM THE TEST IS MADE.

Approved By \_\_\_\_\_

Our Representative Bernard Williams

Final Flow 45  
 Final Shut-In 60  
 T-On Location 17:45  
 T-Started 18:53  
 T-Open 20:51  
 T-Pulled 24:05  
 T-Out 03:23

Test ✓  
 Jars \_\_\_\_\_  
 Safety Jt. \_\_\_\_\_  
 Circ Sub \_\_\_\_\_  
 Sampler \_\_\_\_\_  
 Straddle \_\_\_\_\_  
 Ext. Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Mileage 40  
 Sub Total: \_\_\_\_\_  
 Std. By \_\_\_\_\_  
 Acc. Chg: \_\_\_\_\_  
 Other: \_\_\_\_\_  
 Total: \_\_\_\_\_

Thank You.



## DRILL STEM TEST REPORT

Prepared For: **McCoy Petroleum, Corporation.**

8080 E. Central Suite #300  
Wichita, Kansas. 67206

ATTN: Tim Priest

**33-25S-20W**

**Biaggi "A" #2-33**

Start Date: 2005.08.12 @ 08:18:22

End Date: 2005.08.12 @ 18:05:52

Job Ticket #: 20687      DST #: 2

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



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8080 E Central Suite #300  
Wichita, Kansas. 67206

ATTN: Tim Priest

**Biaggi "A" #2-33**

**33-25S-20W**

Job Ticket: 20687

**DST#: 2**

Test Start: 2005.08.12 @ 08:18:22

### GENERAL INFORMATION:

Formation: **Mississippian**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 10:53:22

Time Test Ended: 18:05:52

Test Type: Conventional Bottom Hole

Tester: Darren L. Amerine

Unit No: 30

Interval: **4681.00 ft (KB) To 4723.00 ft (KB) (TVD)**

Total Depth: 4723.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 2270.00 ft (KB)

2260.00 ft (CF)

KB to GR/CF: 10.00 ft

**Serial #: 6668**

**Inside**

Press@RunDepth: 871.39 psig @ 4686.00 ft (KB)

Start Date: 2005.08.12

End Date: 2005.08.12

Start Time: 08:18:23

End Time: 18:05:52

Capacity: 7000.00 psig

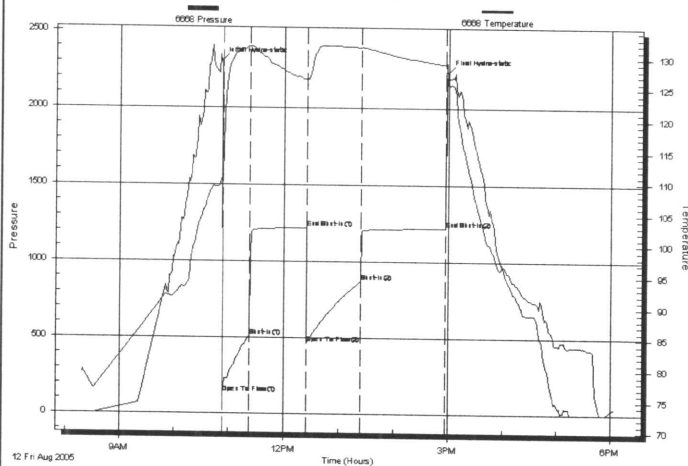
Last Calib.: 2005.08.12

Time On Btm: 2005.08.12 @ 10:51:37

Time Off Btm: 2005.08.12 @ 14:58:52

**TEST COMMENT:** IF: Strong blow b.o.b in 60 sec.  
IS: Bled down n for 10 mins. weak surface blow back.  
FF: Fair to strong blow b.o.b in 6 mins.  
FS: Bled down n for 5 mins. no blow back.

Pressure vs. Time



### PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2301.43         | 110.34       | Initial Hydro-static |
| 2           | 132.55          | 111.48       | Open To Flow (1)     |
| 31          | 507.20          | 131.79       | Shut-In(1)           |
| 93          | 1217.35         | 126.61       | End Shut-In(1)       |
| 94          | 460.71          | 126.29       | Open To Flow (2)     |
| 152         | 871.39          | 131.58       | Shut-In(2)           |
| 246         | 1217.83         | 128.94       | End Shut-In(2)       |
| 248         | 2231.36         | 126.19       | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 1900.00     | Salt water  | 24.38        |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



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TESTING, INC.**

## DRILL STEM TEST REPORT

TOOL DIAGRAM

McCoy Petroleum Corporation.

**Biaggi "A" #2-33**

8080 E Central Suite #300  
Wichita, Kansas 67206

**33-25S-20W**

Job Ticket: 20687

**DST#: 2**

ATTN: Tim Priest

Test Start: 2005.08.12 @ 08:18:22

### Tool Information

|                           |         |            |           |             |               |           |                        |             |
|---------------------------|---------|------------|-----------|-------------|---------------|-----------|------------------------|-------------|
| Drill Pipe:               | Length: | 4431.04 ft | Diameter: | 3.80 inches | Volume:       | 62.16 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: | 248.96 ft  | Diameter: | 2.25 inches | Volume:       | 1.22 bbl  | Weight to Pull Loose:  | 80000.00 lb |
|                           |         |            |           |             | Total Volume: | 63.38 bbl | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      |         | 20.00 ft   |           |             |               |           | String Weight: Initial | 70000.00 lb |
| Depth to Top Packer:      |         | 4681.00 ft |           |             |               |           | Final                  | 78000.00 lb |
| Depth to Bottom Packer:   |         | ft         |           |             |               |           |                        |             |
| Interval between Packers: |         | 42.00 ft   |           |             |               |           |                        |             |
| Tool Length:              |         | 63.00 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        |            |          | 4661.00    |                               |
| Shut In Tool     | 5.00        |            |          | 4666.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 4671.00    |                               |
| Packer           | 5.00        |            |          | 4676.00    | 21.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 4681.00    |                               |
| Stubb            | 1.00        |            |          | 4682.00    |                               |
| Perforations     | 4.00        |            |          | 4686.00    |                               |
| Recorder         | 0.00        | 6668       | Inside   | 4686.00    |                               |
| Perforations     | 33.00       |            |          | 4719.00    |                               |
| Recorder         | 0.00        | 13266      | Outside  | 4719.00    |                               |
| Bullnose         | 4.00        |            |          | 4723.00    | 42.00 Bottom Packers & Anchor |

**Total Tool Length: 63.00**



**TRILOBITE**  
**TESTING, INC.**

## DRILL STEM TEST REPORT

### FLUID SUMMARY

McCoy Petroleum Corporation.

**Biaggi "A" #2-33**

8080 E. Central Suite #300  
Wichita, Kansas. 67206

**33-25S-20W**

Job Ticket: 20687

**DST#: 2**

ATTN: Tim Priest

Test Start: 2005.08.12 @ 08:18:22

### 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: 95000 ppm

Viscosity: 43.00 sec/qt

Cushion Volume:

bbl

Water Loss: 10.38 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 1.20 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 |
|--------------|-------------|---------------|
| 1900.00      | Salt water  | 24.384        |

Total Length: 1900.00 ft      Total Volume: 24.384 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .07@84'degrees=95000

DST Test Number: 2

33-25S-20W

McCoy Petroleum Corporation.

Inside

Serial #: 6668

# Pressure vs. Time

