

**KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE**

**ORIGINAL**

Form ACO-1  
October 2008  
Form Must Be Typed

OPERATOR: License # 5259  
Name: Mal Oil Operations, Inc.  
Address 1: P.O. Box 33  
Address 2: \_\_\_\_\_  
City: Russell State: Ks. Zip: 67665 + \_\_\_\_\_  
Contact Person: Allen Bangert  
Phone: ( 785 ) 483-2169  
CONTRACTOR: License # 33350  
Name: Southwind Drilling, Inc.  
Wellsite Geologist: Kitt Noah  
Purchaser: NCRA

**RECEIVED**

**SEP 15 2009**

**KCC WICHITA**

Designate Type of Completion:  
 New Well \_\_\_\_\_ Re-Entry \_\_\_\_\_ Workover \_\_\_\_\_  
 Oil \_\_\_\_\_ SWD \_\_\_\_\_ SIOW \_\_\_\_\_  
\_\_\_\_\_ Gas \_\_\_\_\_ ENHR \_\_\_\_\_ SIGW \_\_\_\_\_  
\_\_\_\_\_ CM (Coal Bed Methane) \_\_\_\_\_ Temp. Abd. \_\_\_\_\_  
\_\_\_\_\_ Dry \_\_\_\_\_ Other \_\_\_\_\_  
*(Core, WSW, Expl., Cathodic, 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 \_\_\_\_\_  
\_\_\_\_\_ Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_  
\_\_\_\_\_ Commingled \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Dual Completion \_\_\_\_\_ Docket No.: \_\_\_\_\_  
\_\_\_\_\_ Other (SWD or Enhr.?) \_\_\_\_\_ Docket No.: \_\_\_\_\_  
07/09/2009      07/16/2009      07/16/2009  
Spud Date or      Date Reached TD      Completion Date or  
Recompletion Date           Recompletion Date

API No. 15 - 009-25326-0000  
Spot Description: 15' South & 70' West  
\_\_\_\_\_ -NW -SW -NW Sec. 18 Twp. 17 S. R. 14  East  West  
1665 Feet from  North /  South Line of Section  
260 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Barton  
Lease Name: Axman-Yarmer Well #: 1  
Field Name: Wildcat  
Producing Formation: Lansing  
Elevation: Ground: 1914' Kelly Bushing: 1922'  
Total Depth: 3474' Plug Back Total Depth: 3446'  
Amount of Surface Pipe Set and Cemented at: 620' 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** A+ I NCR 9-29-09  
*(Data must be collected from the Reserve Pit)*  
Chloride content: 57000 ppm Fluid volume: 300 bbls  
Dewatering method used: Hauled Offsite  
Location of fluid disposal if hauled offsite:  
Operator Name: Mal Oil Operations, Inc.  
Lease Name: Nuss License No.: 5259  
Quarter SE Sec. 33 Twp. 15 S. R. 14  East  West  
County: Russell Docket No.: D-28763

**INSTRUCTIONS:** An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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.

Signature: Allen Bangert  
Title: Prod. Supt. Date: 09/14/2009  
Subscribed and sworn to before me this 14 day of September,  
2009.  
Notary Public: Lori Crathorne  
Date Commission Expires: 7-7-2010

**KCC Office Use ONLY**

No Letter of Confidentiality Received  
 If Denied, Yes  Date: \_\_\_\_\_  
 Wireline Log Received  
 Geologist Report Received  
\_\_\_\_ UIC Distribution

NOTARY PUBLIC - State of Kansas  
**LORI CRATHORNE**  
My Appt. Expires 7-7-2010

Operator Name: Mal Oil Operations, Inc. Lease Name: Axman-Yarmer Well #: 1  
 Sec. 18 Twp. 17 S. R. 14  East  West County: Barton

**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 copy of all Electric Wireline Logs surveyed. Attach final geological well site report.

|  |   |       |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
|--|---|-------|-----|-------|-----------|------|-------|--------|-------|------|---------|-------|-------|---------|-------|-------|---------|-------|-------|------------------|-------|-------|----------|-------|-------|
| Drill Stem Tests Taken <input checked="" 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 checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Submit Copy)</i><br><br>List All E. Logs Run:<br><b>CFND, DIL, Sonic, Micro</b> ✓ | <input checked="" type="checkbox"/> Log    Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%;">Name</td> <td style="width:20%;">Top</td> <td style="width:20%;">Datum</td> </tr> <tr> <td>Anhydrite</td> <td>921'</td> <td>+1001</td> </tr> <tr> <td>Topeka</td> <td>2869'</td> <td>-947</td> </tr> <tr> <td>Heebner</td> <td>3100'</td> <td>-1178</td> </tr> <tr> <td>Toronto</td> <td>3112'</td> <td>-1190</td> </tr> <tr> <td>Lansing</td> <td>3160'</td> <td>-1238</td> </tr> <tr> <td>Base Kansas City</td> <td>3386'</td> <td>-1464</td> </tr> <tr> <td>Arbuckle</td> <td>3397'</td> <td>-1475</td> </tr> </table> | Name  | Top | Datum | Anhydrite | 921' | +1001 | Topeka | 2869' | -947 | Heebner | 3100' | -1178 | Toronto | 3112' | -1190 | Lansing | 3160' | -1238 | Base Kansas City | 3386' | -1464 | Arbuckle | 3397' | -1475 |
| Name   | Top   | Datum |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Anhydrite  | 921'  | +1001 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Topeka   | 2869'   | -947  |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Heebner  | 3100'   | -1178 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Toronto  | 3112'   | -1190 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Lansing  | 3160'   | -1238 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Base Kansas City   | 3386'   | -1464 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |
| Arbuckle   | 3397'   | -1475 |     |       |           |      |       |        |       |      |         |       |       |         |       |       |         |       |       |                  |       |       |          |       |       |

| CASING RECORD <input checked="" 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 |
| Surface   | 12 1/4"           | 8 5/8"                    | 20#               | 620'          | 60-40 Poz      | 300          | 2% gel, 3% CC              |
| Production  | 7 7/8"            | 5 1/2"                    | 14#               | 3471'         | 60-40 Poz      |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD  |                  |                |             |                            |
|--|------------------|----------------|-------------|----------------------------|
| Purpose:   | Depth Top Bottom | Type of Cement | #Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> 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>(Amount and Kind of Material Used) |
|----------------|---|---|
| 3              | 3369-73', 3343-47', 3326-30', 3180-83', 3165-69'  | 7500 gal 20% HCL  |
|                | 3118-22'  | RECEIVED<br>SEP 15 2009<br>KCC WICHITA  |

|   |   |  |
|---|---|--|
| TUBING RECORD:    Size: <u>2 7/8"</u> Set At: <u>3440'</u> Packer At: |   | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or Enhr.<br><b>08/06/2009</b>  | Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) |  |
| Estimated Production Per 24 Hours                                     | Oil    Bbls.<br><b>75</b>   | Gas    Mcf    Water    Bbls.    Gas-Oil Ratio    Gravity<br><b>20</b>          |

|  |   |  |
|--|---|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input checked="" type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br><b>3118-3373' OA</b> |
|--|---|--|



# ALLIED CEMENTING CO., LLC. 037580

P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell KS

|                                |                 |  |                              |            |                      |                          |                           |
|--------------------------------|-----------------|--|------------------------------|------------|----------------------|--------------------------|---------------------------|
| DATE <u>7-16-09</u>            | SEC. <u>18</u>  | TWP. <u>17</u>                             | RANGE <u>14</u>              | CALLED OUT | ON LOCATION          | JOB START <u>10:15am</u> | JOB FINISH <u>11:00am</u> |
| LEASE <u>Axman-Farmer Unit</u> | WELL # <u>1</u> | LOCATION <u>South on Hwy 281 to 150 Rd</u> |                              |            | COUNTY <u>Barton</u> | STATE <u>KS</u>          |                           |
| OLD OR NEW (Circle one)        |                 |  | <u>4 West and South into</u> |            |                      |                          |                           |

CONTRACTOR Southwind #3  
 TYPE OF JOB Production String  
 HOLE SIZE 7 7/8 T.D. 3475'  
 CASING SIZE 5 1/2 14# DEPTH 3471.68'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT 21.30  
 CEMENT LEFT IN CSG. 21.30  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT 84.18 Bbl

**EQUIPMENT**

PUMP TRUCK CEMENTER John Roberts  
 # 409 HELPER Shane  
 BULK TRUCK  
 # 410 DRIVER Randy  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

**REMARKS:**

Ran 5 1/2 casing set @ 3471.68 circulate 45 min  
on bottom plug Rat hole w/ 30 sk cement  
Mix 1000 gal WFR-2 Mix 145 sk cement.  
Displace plug w/ 84.18 Bbl Fresh H2O.  
Land Plug @ 1400psi - 85 Bbl H2O  
Float Did Hold!

*Thank you!*

CHARGE TO: Mai Oil Operations  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 175 60/40 10/1 salt 21 Bbl 4#A

1000 gal WFR-2

|              |                  |                |                |
|--------------|------------------|----------------|----------------|
| COMMON       | <u>105</u>       | @ <u>13.50</u> | <u>1417.50</u> |
| POZMIX       | <u>76</u>        | @ <u>7.55</u>  | <u>574.50</u>  |
| GEL          | <u>3</u>         | @ <u>20.25</u> | <u>60.75</u>   |
| CHLORIDE     |                  | @ _____        |                |
| ASC          |                  | @ _____        |                |
| <u>5 gal</u> | <u>7</u>         | @ <u>21.25</u> | <u>148.75</u>  |
| <u>WFR-2</u> | <u>1000 Gal</u>  | @ _____        | <u>_____</u>   |
| HANDLING     | <u>175</u>       | @ <u>2.25</u>  | <u>393.75</u>  |
| MILEAGE      | <u>110/14/14</u> | @ _____        | <u>380.00</u>  |
| TOTAL        |                  |                | <u>2899.25</u> |

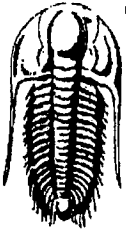
**SERVICE**

|                   |           |               |                |
|-------------------|-----------|---------------|----------------|
| DEPTH OF JOB      |           |               |                |
| PUMP TRUCK CHARGE |           |               | <u>1957.00</u> |
| EXTRA FOOTAGE     | @         |               |                |
| MILEAGE           | <u>20</u> | @ <u>7.00</u> | <u>140.00</u>  |
| MANIFOLD          | @         |               |                |
| RECEIVED          | @         |               |                |
| SEP 15 2009       |           |               |                |
| KCC WICHITA       |           |               |                |
| TOTAL             |           |               | <u>2097.00</u> |

**PLUG & FLOAT EQUIPMENT**

|  |   |              |               |
|--|---|--------------|---------------|
| <u>Weatherford float shoe</u>            | @ |              | <u>186.00</u> |
| <u>Industrial Rubber Latch Down Plug</u> | @ |              | <u>163.80</u> |
| <u>9-Weatherford Turbolizers</u>         | @ | <u>27.00</u> | <u>693.00</u> |
|  | @ |              |               |
|  | @ |              |               |

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations Inc.

**Axman-Yarmer Ut.#1**

P.O.Box 33  
Russell KS67665

**18-17s-14w Barton KS**

Job Ticket: 36453

**DST#: 2**

ATTN: Kitt Noah

Test Start: 2009.07.13 @ 20:21:45

## GENERAL INFORMATION:

Formation: **Br Lm. - Lans. C**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 21:54:15

Time Test Ended: 03:18:30

Test Type: Conventional Bottom Hole

Tester: Gary Pevoteaux

Unit No: 39

Interval: **3164.00 ft (KB) To 3200.00 ft (KB) (TVD)**

Total Depth: 3200.00 ft (KB) (TVD)

Reference Elevations: 1922.00 ft (KB)

1914.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 8167**

**Inside**

Press@RunDepth: 160.81 psig @ 3165.00 ft (KB)

Capacity: 7000.00 psig

Start Date: 2009.07.13

End Date:

2009.07.14

Last Calib.: 2009.07.14

Start Time: 20:21:50

End Time:

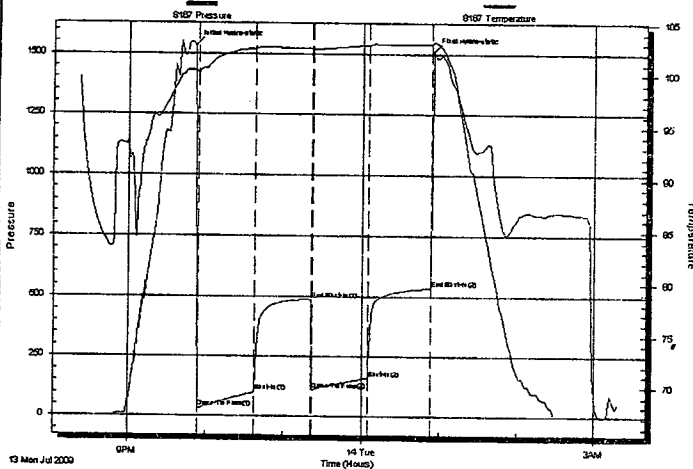
03:18:29

Time On Btm: 2009.07.13 @ 21:52:15

Time Off Btm: 2009.07.14 @ 00:54:44

**TEST COMMENT:** IF: Strong blow . B.O.B. in 3 1/2 mins.  
IS: Strong blow . B.O.B.  
FF: Strong blow . B.O.B. in 3 1/2 mins.  
FS: Fair blow . Increase to 10".

Pressure vs. Time



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1533.51         | 100.53       | Initial Hydro-static |
| 2           | 33.17           | 100.18       | Open To Flow (1)     |
| 46          | 101.77          | 102.61       | Shut-In (1)          |
| 90          | 490.09          | 102.68       | End Shut-In (1)      |
| 90          | 110.20          | 102.58       | Open To Flow (2)     |
| 133         | 160.81          | 102.94       | Shut-In (2)          |
| 182         | 537.61          | 102.98       | End Shut-In (2)      |
| 183         | 1508.55         | 103.28       | Final Hydro-static   |

## Recovery

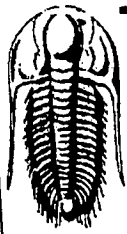
| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 80.00       | SW                  | 1.12         |
| 180.00      | CGO 15%g 85%o       | 2.52         |
| 110.00      | GMCO 38%g 30%m 32%o | 1.54         |
| 0.00        | 1516 ft.of GIP      | 0.00         |
|             |                     |              |
|             |                     |              |

## Gas Rates

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

RECEIVED

SEP 15 2009



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Mai Oil Operations Inc.

**Axman-Yarmer Ut.#1**

P.O.Box 33  
Russell KS67665

**18-17s-14w Barton KS**

Job Ticket: 36454

DST#: 3

ATTN: Kitt Noah

Test Start: 2009.07.14 @ 21:44:48

## GENERAL INFORMATION:

Formation: **Lans I - K**  
 Deviated: **No Whipstock** ft (KB)  
 Time Tool Opened: 23:19:48  
 Time Test Ended: 07:11:33

Test Type: **Conventional Bottom Hole**  
 Tester: **Gary Pevoteaux**  
 Unit No: **39**

Interval: **3317.00 ft (KB) To 3375.00 ft (KB) (TVD)**  
 Total Depth: **3375.00 ft (KB) (TVD)**  
 Hole Diameter: **7.88 inches** Hole Condition: **Poor**

Reference Elevations: **1922.00 ft (KB)**  
**1914.00 ft (CF)**  
 KB to GR/CF: **8.00 ft**

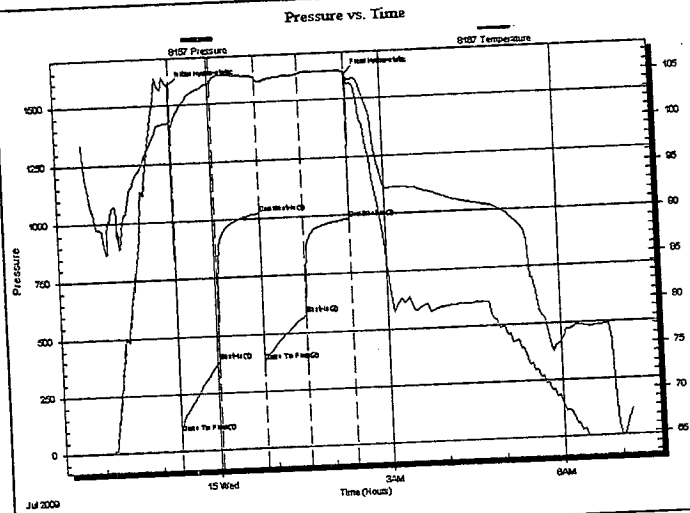
**Serial #: 8167**

**Inside**

Press@RunDepth: **579.08 psig @ 3318.00 ft (KB)**  
 Start Date: **2009.07.14** End Date: **2009.07.15**  
 Start Time: **21:44:53** End Time: **07:11:33**

Capacity: **7000.00 psig**  
 Last Calib.: **2009.07.15**  
 Time On Btrn: **2009.07.14 @ 23:19:18**  
 Time Off Btrn: **2009.07.15 @ 02:22:33**

TEST COMMENT: IF: Strong blow . B.O.B. in 2 mins.  
 IS: Strong blow . B.O.B.  
 FF: Strong blow . B.O.B. in 4 mins. GTS in 15 mins. TSTM.  
 FSI: Strong blow . B.O.B.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1584.88         | 100.80       | Initial Hydro-static |
| 1           | 82.61           | 100.20       | Open To Flow (1)     |
| 43          | 388.54          | 105.03       | Shut-In(1)           |
| 90          | 1019.68         | 105.57       | End Shut-In(1)       |
| 90          | 382.84          | 105.32       | Open To Flow(2)      |
| 135         | 579.08          | 105.61       | Shut-In(2)           |
| 183         | 983.83          | 105.79       | End Shut-In(2)       |
| 184         | 1609.81         | 105.55       | Final Hydro-static   |

## Recovery

| Length (ft) | Description         | Volume (bbl) |
|-------------|---------------------|--------------|
| 155.00      | SW                  | 2.17         |
| 1215.00     | CGO 20%g 80%o       | 17.04        |
| 150.00      | GOCM 28%g 30%o 42%m | 2.10         |
|             |                     |              |
|             |                     |              |

## Gas Rates

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

RECEIVED  
 SEP 15 2009

KCC WICHITA



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Mar. Oil Operations, Inc.

P.O. Box 33  
Russell KS67665

ATTN: Kitt Noah

**Axman-Yarmer Ut.#1**

**18-17s-14w Barton KS**

Job Ticket: 36452

DST#: 1

Test Start: 2009.07.13 @ 06:48:51

## GENERAL INFORMATION:

Formation: **Toronto**

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

Time Tool Opened: 08:38:06

Time Test Ended: 12:24:06

Test Type: **Conventional Bottom Hole**

Tester: **Gary Pevoteaux**

Unit No: **39**

Interval: **3097.00 ft (KB) To 3134.00 ft (KB) (TVD)**

Total Depth: **3134.00 ft (KB) (TVD)**

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

Reference Elevations: **1922.00 ft (KB)**

**1914.00 ft (CF)**

KB to GR/CF: **8.00 ft**

**Serial #: 8167**

**Inside**

Press@RunDepth: **64.50 psig @ 3098.00 ft (KB)**

Start Date: **2009.07.13**

End Date:

2009.07.13

Capacity: **7000.00 psig**

Last Calib.: **2009.07.13**

Start Time: **06:48:56**

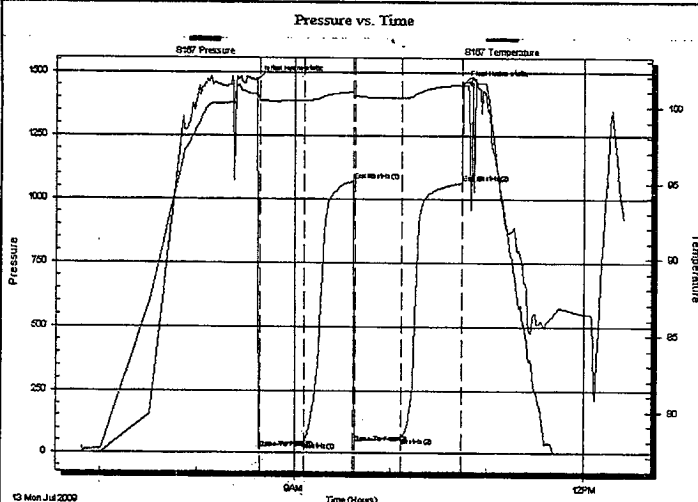
End Time:

12:24:05

Time On Btm: **2009.07.13 @ 08:36:36**

Time Off Btm: **2009.07.13 @ 10:45:06**

TEST COMMENT: IF: Strong blow . B.O.B. in 5 mins.  
IS: Weak blow . 1/4"  
Approx. 20 ft. of fill on btm. Slid tool 10 ft. to btm.  
FF: Strong blow . B.O.B. in 6 secs.



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1469.81         | 100.87       | Initial Hydro-static |
| 2           | 18.20           | 100.47       | Open To Flow (1)     |
| 30          | 45.11           | 100.43       | Shut-In(1)           |
| 60          | 1070.38         | 101.02       | End Shut-In(1)       |
| 61          | 41.81           | 100.77       | Open To Flow (2)     |
| 90          | 64.50           | 100.64       | Shut-In(2)           |
| 128         | 1063.89         | 101.50       | End Shut-In(2)       |
| 129         | 1454.02         | 101.61       | Final Hydro-static   |

## Recovery

| Length (ft) | Description               | Volume (bbl) |
|-------------|---------------------------|--------------|
| 40.00       | CGO 4%g 96%o              | 0.56         |
| 95.00       | GOCWM 10%g 17%o 10%w 63%m | 1.33         |
| 0.00        | 2630. ft of GIP           | 0.00         |
|             |                           |              |
|             |                           |              |

## Gas Rates

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

Trilobite Testing, Inc.

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