



KANSAS CORPORATION COMMISSION 1055127  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
June 2009  
Form Must Be Typed  
Form must be Signed  
All blanks must be Filled

WELL COMPLETION FORM  
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 33936  
Name: Griffin, Charles N.  
Address 1: PO BOX 347  
Address 2: \_\_\_\_\_  
City: PRATT State: KS Zip: 67124 + 0347  
Contact Person: Charles N. Griffin  
Phone: ( 720 ) 490-5648  
CONTRACTOR: License # 5822  
Name: Val Energy, Inc.  
Wellsite Geologist: Bruce Reed  
Purchaser: Plains Marketing

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SLOW
- 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 #: \_\_\_\_\_

|                                   |                   |   |
|-----------------------------------|-------------------|---|
| <u>12/10/2010</u>                 | <u>12/17/2010</u> | <u>12/27/2010</u>                       |
| Spud Date or<br>Recompletion Date | Date Reached TD   | Completion Date or<br>Recompletion Date |

API No. 15 - 15-077-21726-00-00

Spot Description: \_\_\_\_\_  
W2 SW SE SW Sec. 2 Twp. 34 S. R. 8  East  West  
330 Feet from  North /  South Line of Section  
1500 Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE     NW     SE     SW

County: Harper

Lease Name: Gates Well #: 1

Field Name: Wharton

Producing Formation: Mississippi

Elevation: Ground: 1384 Kelly Bushing: 1395

Total Depth: 4738 Plug Back Total Depth: 4730

Amount of Surface Pipe Set and Cemented at: 257 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: 0 ppm Fluid volume: 0 bbls

Dewatering method used: Evaporated

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: Deanna Garrison Date: 07/01/2011



1055127

Operator Name: Griffin, Charles N. Lease Name: Gates Well #: 1  
 Sec. 2 Twp. 34 S. R. 8  East  West County: Harper

**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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input 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>Electric Log Submitted Electronically <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run:<br><br>Dual Induction Log<br>Compensated Density Neutron Log<br>Cement Sonic Bond Log | <input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br><table style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Name</th> <th style="text-align: left;">Top</th> <th style="text-align: left;">Datum</th> </tr> </thead> <tbody> <tr> <td>Kansas City</td> <td>4067</td> <td>2672</td> </tr> <tr> <td>Bottom Kansas City</td> <td>4304</td> <td>2909</td> </tr> <tr> <td>Fort Scott</td> <td>4481</td> <td>3086</td> </tr> <tr> <td>Cherokee</td> <td>4491</td> <td>3096</td> </tr> <tr> <td>Mississippi Lime</td> <td>4652</td> <td>3257</td> </tr> <tr> <td>Mississippi Dolomite</td> <td>4690</td> <td>3295</td> </tr> </tbody> </table> | Name  | Top | Datum | Kansas City | 4067 | 2672 | Bottom Kansas City | 4304 | 2909 | Fort Scott | 4481 | 3086 | Cherokee | 4491 | 3096 | Mississippi Lime | 4652 | 3257 | Mississippi Dolomite | 4690 | 3295 |
|--|---|-------|-----|-------|-------------|------|------|--------------------|------|------|------------|------|------|----------|------|------|------------------|------|------|----------------------|------|------|
| Name   | Top   | Datum |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Kansas City  | 4067  | 2672  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Bottom Kansas City   | 4304  | 2909  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Fort Scott   | 4481  | 3086  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Cherokee   | 4491  | 3096  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Mississippi Lime   | 4652  | 3257  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |
| Mississippi Dolomite   | 4690  | 3295  |     |       |             |      |      |                    |      |      |            |      |      |          |      |      |                  |      |      |                      |      |      |

| 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   | 12.25             | 8.625                     | 23                | 257           | Common         | 200          |                            |
| Production  | 7.875             | 5.5                       | 15.5              | 4735          | AA2            | 200          |                            |
|   |                   |                           |                   |               |                |              |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD |                  |                |              |                            |
|---------------------------------------|------------------|----------------|--------------|----------------------------|
| Purpose:                              | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| — Perforate                           |                  |                |              |                            |
| — Protect Casing                      | -                |                |              |                            |
| — Plug Back TD                        |                  |                |              |                            |
| — 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) | Depth |
|----------------|---|---|-------|
| 3              | 4675 - 4695   | 2000 gals 10% HCL Acid  |       |
|                |   |   |       |
|                |   |   |       |
|                |   |   |       |

|   |                     |  |  |
|---|---------------------|--|--|
| TUBING RECORD: Size: <u>2.875</u> Set At: <u>4701</u> Packer At: <u>N/A</u> |                     | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No   |  |
| Date of First, Resumed Production, SWD or ENHR.<br><u>2/15/2011</u>         |                     | Producing Method:<br><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. <u>12</u> | Gas Mcf <u>0</u>   | Water Bbls. <u>124</u> Gas-Oil Ratio _____ Gravity <u>31</u> |

|  |   |  |
|--|---|--|
| 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><i>(Submit ACO-5) (Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br><u>4675-4695</u> |
|--|---|--|



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

1700 S. Country Estates Rd.  
P.O. Box 129  
Liberal, Kansas 67905  
Phone 620-624-2277

FIELD SERVICE TICKET  
1717 01344 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

|                                    |     |  |     |            |     |                            |          |    |    |       |
|------------------------------------|-----|--|-----|------------|-----|----------------------------|----------|----|----|-------|
| DATE OF JOB 12-10-10 DISTRICT 1717 |     | NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/> PROD <input type="checkbox"/> INJ <input type="checkbox"/> WDW <input type="checkbox"/> CUSTOMER ORDER NO.: |     |            |     |                            |          |    |    |       |
| CUSTOMER Griffin Management        |     | LEASE Gates #1 WELL NO.:   |     |            |     |                            |          |    |    |       |
| ADDRESS                            |     | COUNTY Harper STATE KS   |     |            |     |                            |          |    |    |       |
| CITY STATE                         |     | SERVICE CREW M. Stegman  |     |            |     |                            |          |    |    |       |
| AUTHORIZED BY J Bennett            |     | JOB TYPE: 2 1/2" 8 3/4" Surface  |     |            |     |                            |          |    |    |       |
| EQUIPMENT#                         | HRS | EQUIPMENT#   | HRS | EQUIPMENT# | HRS | TRUCK CALLED               | DATE     | AM | PM | TIME  |
| 31726                              | 9   |  |     |            |     |                            | 12-10-10 |    |    | 7:05  |
| 30464                              | 7   |  |     |            |     | ARRIVED AT JOB             |          |    |    | 1:00  |
| 19919                              | 2   |  |     |            |     | START OPERATION            |          |    |    | 10:00 |
| 19159                              | 2   |  |     |            |     | FINISH OPERATION           |          |    |    | 11:00 |
| 21010                              | 2   |  |     |            |     | RELEASED                   |          |    |    | 11:30 |
|                                    |     |  |     |            |     | MILES FROM STATION TO WELL | 70 mi    |    |    |       |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT           |
|---------------------|---------------------------------------|------|----------|------------|---------------------|
| CP100               | Common                                | SK   | 200      |            | 3200.00             |
| CC102               | Cellulose                             | lb   | 50       |            | 155.00              |
| CC104               | Calcium Chloride                      | lb   | 376      |            | 394.00              |
| CFIS3               | 8 3/4" Wooden Plug                    | ea   | 1        |            | 11.00               |
| E100                | Unit Mileage                          | mi   | 70       |            | 257.00              |
| E101                | Heavy Equipment Mileage               | mi   | 1410     |            | 900.00              |
| E113                | Proppant Bulk Delivery                | ton  | 1658     |            | 1052.00             |
| CE200               | Pumped Depth: 0-500'                  | ea   | 1        |            | 100.00              |
| CE240               | Blending & Mixing Service             | SK   | 200      |            | 200.00              |
| CE204               | Plug Container                        | ea   | 1        |            | 25.00               |
| 3003                | Service Supervisor                    | ea   | 1        |            | 175.00              |
|                     |                                       |      |          |            | SUB TOTAL \$5742.00 |

| CHEMICAL / ACID DATA: |  |  |  |
|-----------------------|--|--|--|
|                       |  |  |  |
|                       |  |  |  |
|                       |  |  |  |

|                     |            |
|---------------------|------------|
| SERVICE & EQUIPMENT | %TAX ON \$ |
| MATERIALS           | %TAX ON \$ |
| TOTAL               |            |

SERVICE REPRESENTATIVE: *[Signature]* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *[Signature]*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO. \_\_\_\_\_



**BASIC**  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1201

FIELD SERVICE TICKET  
1718 03137 A

DATE \_\_\_\_\_ TICKET NO. \_\_\_\_\_

|                               |                           |  |                                   |                               |                              |                              |                     |    |    |      |
|-------------------------------|---------------------------|--|-----------------------------------|-------------------------------|------------------------------|------------------------------|---------------------|----|----|------|
| DATE OF JOB: 12/17/10         | DISTRICT: PRATT, Ks.      | NEW WELL <input checked="" type="checkbox"/> | OLD WELL <input type="checkbox"/> | PROD <input type="checkbox"/> | INJ <input type="checkbox"/> | WDW <input type="checkbox"/> | CUSTOMER ORDER NO.: |    |    |      |
| CUSTOMER: GRIFFIN MINNACEWICZ | LEASE: GATES              | WELL NO: 17                                  |                                   |                               |                              |                              |                     |    |    |      |
| ADDRESS:                      | COUNTY: HARPER            | STATE: Ks.                                   |                                   |                               |                              |                              |                     |    |    |      |
| CITY:                         | STATE:                    | SERVICE CREW: KC, CHAS, BRAD                 |                                   |                               |                              |                              |                     |    |    |      |
| AUTHORIZED BY:                | JOB TYPE: C/W - LOWSIRONG |  |                                   |                               |                              |                              |                     |    |    |      |
| EQUIPMENT#                    | HRS                       | EQUIPMENT#                                   | HRS                               | EQUIPMENT#                    | HRS                          | TRUCK CALLED                 | DATE                | AM | PM | TIME |
| 19901                         |                           |  |                                   |                               |                              |                              | 12-17               |    |    | 1000 |
|                               |                           |  |                                   |                               |                              | ARRIVED AT JOB               |                     |    |    |      |
| 27463                         | 3/4                       |  |                                   |                               |                              | START OPERATION              |                     |    |    | 0200 |
|                               |                           |  |                                   |                               |                              | FINISH OPERATION             |                     |    |    | 0245 |
| 19959                         | 3/1                       |  |                                   |                               |                              | RELEASED                     |                     |    |    | 0330 |
| 21010                         | 7/0                       |  |                                   |                               |                              | MILES FROM STATION TO WELL   |                     |    |    | 75   |

CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered).

The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of Basic Energy Services LP.

SIGNED: \_\_\_\_\_  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP105               | 1/2"Z CEMENT                          | SK   | 150      |            | 2550.00   |
| CP103               | 60/40 PZ                              | SK   | 50       |            | 600.00    |
| PC102               | CELL FERTILE                          | lb   | 38       |            | 140.60    |
| PC111               | SHAL                                  | lb   | 685      |            | 342.50    |
| PC112               | CFR                                   | lb   | 71       |            | 426.00    |
| PC115               | CBS BLOCK                             | lb   | 141      |            | 726.15    |
| PC201               | C. EL SOWATE                          | lb   | 750      |            | 502.50    |
| CE107               | 5/8 LATH DOWN PLUG                    | EA   | 1        |            | 400.00    |
| CE1251              | 5/8 HEN FLOW SHOE                     | EA   | 1        |            | 360.00    |
| CE1651              | 5/8 TURBOLEZER                        | EA   | 4        |            | 440.00    |
| CE1901              | 5/8 BUSHLET                           | EA   | 1        |            | 790.00    |
| CE704               | ES-16 KCL                             | gal  | 5        |            | 175.00    |
| PC151               | MUD FUSH                              | gal  | 560      |            | 430.00    |
| E100                | PICKUP MILE                           | mile | 75       |            | 318.75    |
| E101                | TRUCK MILE                            | mile | 150      |            | 1050.00   |
| E113                | BILL DELIVERY                         | TM   | 690      |            | 1104.00   |
| CE205               | PUMP CHARGE                           | EA   | 1        |            | 2520.00   |
| CE240               | BLENDING CHARGE                       | SK   | 200      |            | 280.00    |
| CE504               | PLUG CONTAINER                        | EA   | 1        |            | 750.00    |
| 5003                | SEWER SUPPLIES OR                     | EA   | 1        |            | 175.00    |
| SUB TOTAL           |                                       |      |          |            | 9417.96   |

| CHEMICAL / ACID DATA: |  |  |  |
|-----------------------|--|--|--|
|                       |  |  |  |
|                       |  |  |  |
|                       |  |  |  |

|                     |            |         |
|---------------------|------------|---------|
| SERVICE & EQUIPMENT | %TAX ON \$ |         |
| MATERIALS           | %TAX ON \$ |         |
| TOTAL               |            | 9417.96 |

|                                    |   |
|------------------------------------|---|
| SERVICE REPRESENTATIVE: K. GOSWAMI | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: _____ |
|------------------------------------|---|

FIELD SERVICE ORDER NO. \_\_\_\_\_ (WELL OWNER OPERATOR CONTRACTOR OR AGENT)

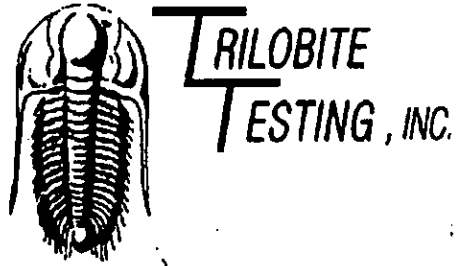
|                                    |                             |                                    |
|------------------------------------|-----------------------------|------------------------------------|
| Customer<br><b>GRIFFIN MANAGER</b> | Lease No.<br><b>WENT</b>    | Date<br><b>12-17-10</b>            |
| Lease<br><b>GATES</b>              | Well #<br><b>1</b>          |                                    |
| Field Order #<br><b>3137</b>       | Station<br><b>PRATT, KS</b> | Casing<br><b>5 1/2</b>             |
|                                    |                             | Depth<br><b>4757</b>               |
| Type Job<br><b>CNW - LONGSTRAW</b> | Formation<br><b>TD-4760</b> | County<br><b>HARPER</b>            |
|                                    |                             | State<br><b>KS</b>                 |
|                                    |                             | Legal Description<br><b>2-34-8</b> |

| PIPE DATA                   |              | PERFORATING DATA |    | FLUID USED |            | TREATMENT RESUME |       |                  |
|-----------------------------|--------------|------------------|----|------------|------------|------------------|-------|------------------|
| Casing Size<br><b>5 1/2</b> | Tubing Size  | Shots/Ft         |    | Acid       |            | RATE             | PRESS | ISIP             |
| Depth<br><b>4757</b>        | Depth        | From             | To | Pre Pad    | Max        |                  |       | 5 Min.           |
| Volume                      | Volume       | From             | To | Pad        | Min        |                  |       | 10 Min.          |
| Max Press                   | Max Press    | From             | To | Frac       | Avg        |                  |       | 15 Min.          |
| Well Connection             | Annulus Vol. | From             | To |            | HHP Used   |                  |       | Annulus Pressure |
| Plug Depth<br><b>4757</b>   | Packer Depth | From             | To | Flush      | Gas Volume |                  |       | Total Load       |

|  |                                 |                          |
|--|---------------------------------|--------------------------|
| Customer Representative<br><b>GEORGE</b> | Station Manager<br><b>SCOTT</b> | Treater<br><b>MURPHY</b> |
|--|---------------------------------|--------------------------|

|                               |              |                    |
|-------------------------------|--------------|--------------------|
| Service Units<br><b>19907</b> | <b>27463</b> | <b>19959-21010</b> |
| Driver Names<br><b>169</b>    | <b>CHAS</b>  | <b>BRAD</b>        |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate  | Service Log                            |
|------|-----------------|-----------------|--------------|-------|--|
| 0500 |                 |                 |              |       | ON LOCATION                            |
|      |                 |                 |              |       | RUN 4751 5 1/2 OSG - 116 JAS           |
|      |                 |                 |              |       | FLOWS SHOES - LATCH BIFFLE 12" COLLAR  |
|      |                 |                 |              |       | CENT-1-3-5-7 BASKET - 8                |
| 1100 |                 |                 |              |       | TRAP BOTTOM, DROP BALL - CONC.         |
|      |                 |                 |              |       | SILSERT AT 4757 - COLLAR GROUND LEVEL  |
| Flow | 300             |                 | 5            | 6     | PUMP 5 bbl H <sub>2</sub> O            |
|      | 320             |                 | 12           | 6     | PUMP 12 bbl MUDFLUSH                   |
|      | 360             |                 | 5            | 6     | PUMP 5 bbl H <sub>2</sub> O            |
|      | 700             |                 | 36           | 6     | MIX 150 SK AA2 CEMENT                  |
|      |                 |                 |              |       | 10% SAND, 5% 1/2" GELSPHERE, 1/4" 1/8" |
|      |                 |                 |              |       | CELLULOSE, 5% CFR, 1% GAS BLOC         |
|      |                 |                 |              |       | AT 15.3 PP9, 1.36 CF/1SK               |
|      |                 |                 |              |       | STOP - WASH LINE - DROP PLUG           |
|      | 0               |                 | 0            | 6 1/2 | START DISP W/ 2% KCL H <sub>2</sub> O  |
|      | 200             |                 | 85           | 6 1/2 | LEFT CEMENT                            |
|      | 800             |                 | 108          | 4     | SLOW RATE                              |
| 245  | 200             |                 | 113          | 3     | PLUG DOWN - HOLD                       |
|      |                 |                 |              |       | PLUG RAS HOLE - 30 SK 60/40 PZ         |
|      |                 |                 |              |       | PLUG MOUSE HOLE - 20 SK 60/40 PZ       |
| 1330 |                 |                 |              |       | JOB COMPLETE - RETURN                  |



## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124

ATTN: Bruce Reed

**2-34s-8w Harper,KS**

**Gates #1**

Start Date: 2010.12.15 @ 04:20:53

End Date: 2010.12.15 @ 12:33:53

Job Ticket #: 37403                      DST #: 1

Charles N Griffin

Gates #1

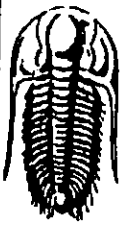
2-34s-8w Harper,KS

DST # 1

Miss

2010.12.15

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Charles N Griffin

**Gates #1**

PO Box 347  
Pratt KS 67124

**2-34s-8w Harper, KS**

Job Ticket: 37403      DST#: 1

ATTN: Bruce Reed

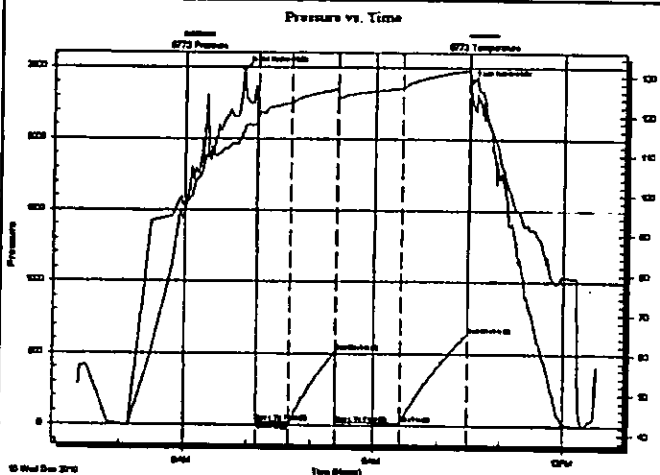
Test Start: 2010.12.15 @ 04:20:53

**GENERAL INFORMATION:**

Formation: Miss  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 07:09:08  
 Time Test Ended: 12:33:53  
 Interval: 4635.00 ft (KB) To 4654.00 ft (KB) (TVD)  
 Total Depth: 4654.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole  
 Tester: Esak Hadley  
 Unit No: 34  
 Reference Elevations: 1395.00 ft (KB)  
 1384.00 ft (CF)  
 KB to GRVCF: 11.00 ft

Serial #: 6773 Inside  
 Press@RunDepth: 16.77 psig @ 4636.00 ft (KB)  
 Start Date: 2010.12.15 End Date: 2010.12.15  
 Start Time: 04:20:58 End Time: 12:33:52  
 Capacity: 8000.00 psig  
 Last Calib.: 2010.12.15  
 Time On Btm: 2010.12.15 @ 06:55:38  
 Time Off Btm: 2010.12.15 @ 10:29:53

**TEST COMMENT:** F Strong blow . BOB in 30 sec.  
 ISI No blow .  
 FF Strong blow . BOB in 2 sec.  
 FSI No blow .



**PRESSURE SUMMARY**

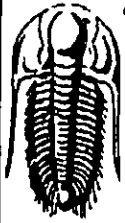
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2482.87         | 115.91       | Initial Hydro-static |
| 14          | 20.10           | 119.11       | Open To Flow (1)     |
| 45          | 18.99           | 123.03       | Shut-in(1)           |
| 88          | 510.05          | 126.67       | End Shut-in(1)       |
| 89          | 14.89           | 124.63       | Open To Flow (2)     |
| 150         | 16.77           | 126.88       | Shut-in(2)           |
| 214         | 635.64          | 131.33       | End Shut-in(2)       |
| 215         | 2389.94         | 129.27       | Final Hydro-static   |

**Recovery**

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 15.00       | SGCM 2%g 98%m | 0.21         |
| 0.00        | GP 868 ft     | 0.00         |
|             |               |              |
|             |               |              |
|             |               |              |

**Gas Rates**

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Charles N Griffin

Gates #1

PO Box 347  
Pratt KS 67124

2-34s-8w Harper,KS

Job Ticket: 37403

DST#: 1

ATTN: Bruce Reed

Test Start: 2010.12.15 @ 04:20:53

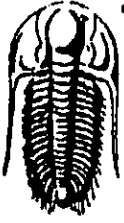
**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 4644.00 ft | Diameter: 3.80 inches | Volume: 65.14 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: 24000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 80000.00 lb  |
|                           |                    |                       | <u>Total Volume: 65.14 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 30.00 ft           |                       |                                | String Weight: Initial 64000.00 lb |
| Depth to Top Packer:      | 4635.00 ft         |                       |                                | Final 66000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 19.00 ft           |                       |                                |                                    |
| Tool Length:              | 40.00 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         |            |          | 4615.00    |                               |
| Shut In Tool              | 5.00         |            |          | 4620.00    |                               |
| Hydraulic tool            | 5.00         |            |          | 4625.00    |                               |
| Packer                    | 5.00         |            |          | 4630.00    | 21.00 Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4635.00    |                               |
| Stubb                     | 1.00         |            |          | 4636.00    |                               |
| Recorder                  | 0.00         | 8166       | Outside  | 4636.00    |                               |
| Recorder                  | 0.00         | 6773       | Inside   | 4636.00    |                               |
| Perforations              | 15.00        |            |          | 4651.00    |                               |
| Bullnose                  | 3.00         |            |          | 4654.00    | 19.00 Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>40.00</b> |            |          |            |                               |





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Charles N Griffin

Gates #1

PO Box 347  
Pratt KS 67124

2-34s-8w Harper, KS

Job Ticket: 37403

DST#: 1

ATTN: Bruce Reed

Test Start: 2010.12.15 @ 04:20:53

**Mud and Cushion Information**

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbf

Water Loss: 8.78 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 4000.00 ppm

Filter Cake: 0.20 inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description   | Volume<br>bbf |
|--------------|---------------|---------------|
| 15.00        | SGCM 2%g 98%m | 0.210         |
| 0.00         | GIP 868 ft    | 0.000         |

Total Length: 15.00 ft      Total Volume: 0.210 bbf

Num Fluid Samples: 0

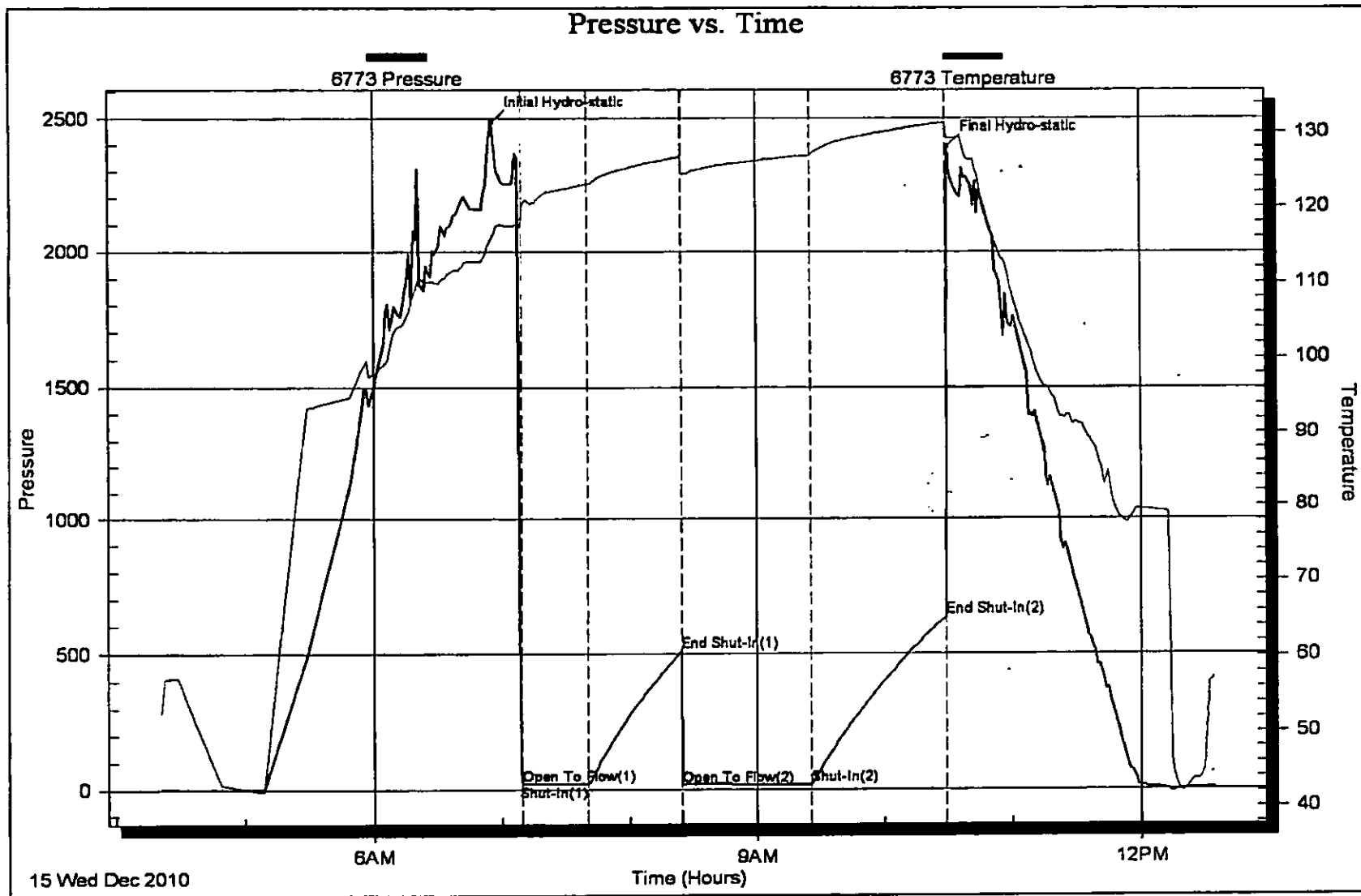
Num Gas Bombs: 0

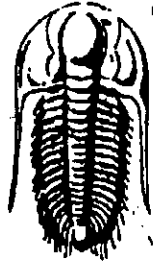
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Charles N Griffin**

PO Box 347  
Pratt KS 67124

ATTN: Bruce Reed

**2-34s-8w Harper,KS**

**Gates #1**

Start Date: 2010.12.16 @ 01:51:47

End Date: 2010.12.16 @ 10:10:17

Job Ticket #: 37404                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

ph: 785-625-4778 fax: 785-625-5620

Charles N Griffin

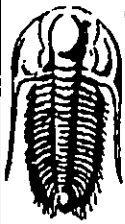
Gates #1

2-34s-8w Harper,KS

DST # 2

Miss

2010.12.16



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

Charles N Griffin

Gates #1

PO Box 347  
Pratt KS 67124

2-34s-8w Harper, KS

Job Ticket: 37404 DST#: 2

ATTN: Bruce Reed

Test Start: 2010.12.16 @ 01:51:47

**GENERAL INFORMATION:**

Formation: Miss  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 04:52:17  
Time Test Ended: 10:10:17

Test Type: Conventional Bottom Hole  
Tester: Esak Hadley  
Unit No: 34

Interval: 4688.00 ft (KB) To 4688.00 ft (KB) (TVD)  
Total Depth: 4698.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair

Reference Elevations: 1395.00 ft (KB)  
1384.00 ft (CF)  
KB to GR/CF: 11.00 ft.

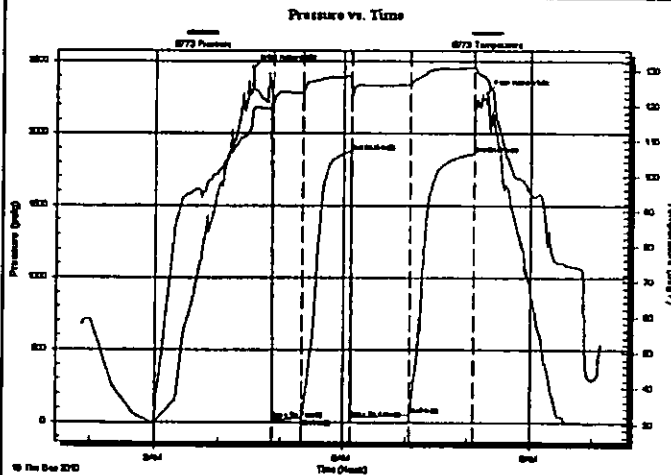
Serial #: 6773

Inside

Press@RunDepth: 56.27 psig @ 4689.00 ft (KB)  
Start Date: 2010.12.16 End Date: 2010.12.16  
Start Time: 01:51:52 End Time: 10:10:16

Capacity: 8000.00 psig  
Last Calib.: 2010.12.16  
Time On Btm: 2010.12.16 @ 04:32:32  
Time Off Btm: 2010.12.16 @ 08:17:47

TEST COMMENT: IF Weak blow. BOB in 5 min.  
ISI No blow.  
FF Strong blow. BOB in 2 sec. GTS in 60 min.  
FSI No blow.



**PRESSURE SUMMARY**

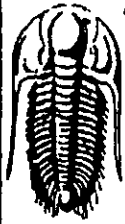
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 2457.15         | 118.68       | Initial Hydro-static |
| 20          | 20.59           | 120.44       | Open To Flow (1)     |
| 48          | 30.54           | 123.56       | Shut-in(1)           |
| 95          | 1877.12         | 128.24       | End Shut-in(1)       |
| 96          | 29.80           | 123.89       | Open To Flow (2)     |
| 152         | 56.27           | 126.07       | Shut-in(2)           |
| 213         | 1881.50         | 130.65       | End Shut-in(2)       |
| 226         | 2282.23         | 127.71       | Final Hydro-static   |

**Recovery**

| Length (ft) | Description                | Volume (bbl) |
|-------------|----------------------------|--------------|
| 40.00       | O&GCWM 5%o 10%g 10%w 75%m  | 0.56         |
| 60.00       | W&OCMG 10%w 15%o 35%m 40%g | 0.84         |
|             |                            |              |
|             |                            |              |
|             |                            |              |

**Gas Rates**

| Choke (Inches) | Pressure (psig) | Gas Rate (Mcfd) |
|----------------|-----------------|-----------------|
|                |                 |                 |



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Charles N Griffin

Gates #1

PO Box 347  
Pratt KS 67124

2-34s-8w Harper,KS

Job Ticket: 37404      DST#: 2

ATTN: Bruce Reed

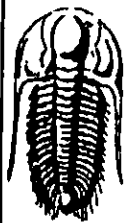
Test Start: 2010.12.16 @ 01:51:47

**Tool Information**

|                           |                    |                       |                                |                        |             |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------|-------------|
| Drill Pipe:               | Length: 4675.00 ft | Diameter: 3.80 inches | Volume: 65.58 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:  | 24000.00 lb |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose:  | 72000.00 lb |
|                           |                    |                       | <u>Total Volume: 65.58 bbl</u> | Tool Chased            | 0.00 ft     |
| Drill Pipe Above KB:      | 8.00 ft            |                       |                                | String Weight: Initial | 64000.00 lb |
| Depth to Top Packer:      | 4688.00 ft         |                       |                                | Final                  | 64000.00 lb |
| Depth to Bottom Packer:   | ft                 |                       |                                |                        |             |
| Interval between Packers: | 10.00 ft           |                       |                                |                        |             |
| Tool Length:              | 31.00 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         |            |          | 4668.00    |                                    |
| Shut In Tool              | 5.00         |            |          | 4673.00    |                                    |
| Hydraulic tool            | 5.00         |            |          | 4678.00    |                                    |
| Packer                    | 5.00         |            |          | 4683.00    | 21.00      Bottom Of Top Packer    |
| Packer                    | 5.00         |            |          | 4688.00    |                                    |
| Stubb                     | 1.00         |            |          | 4689.00    |                                    |
| Recorder                  | 0.00         | 8166       | Outside  | 4689.00    |                                    |
| Recorder                  | 0.00         | 6773       | Inside   | 4689.00    |                                    |
| Perforations              | 6.00         |            |          | 4695.00    |                                    |
| Bullnose                  | 3.00         |            |          | 4698.00    | 10.00      Bottom Packers & Anchor |
| <b>Total Tool Length:</b> | <b>31.00</b> |            |          |            |                                    |



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Charles N Griffin

Gates #1

PO Box 347  
Pratt KS 67124

2-34s-8w Harper, KS

Job Ticket: 37404

DST#: 2

ATTN: Bruce Reed

Test Start: 2010.12.16 @ 01:51:47

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 48.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: 0.00 ohm.m

Gas Cushion Pressure:

psig

Salinity: 3000.00 ppm

Filter Cake: 0.20 inches

### Recovery Information

Recovery Table

| Length<br>ft | Description                | Volume<br>bbbl |
|--------------|----------------------------|----------------|
| 40.00        | O&GCWM 5%o 10%g 10%w 75%m  | 0.561          |
| 60.00        | W&OCMG 10%w 15%o 35%m 40%g | 0.842          |

Total Length: 100.00 ft

Total Volume: 1.403 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

