

KANSAS CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION

Form ACO-1  
September 1999  
Form Must Be Typed

**CONFIDENTIAL**

**WELL COMPLETION FORM**

**ORIGINAL**

WELL HISTORY - DESCRIPTION OF WELL & LEASE

5/12/12

Operator: License # 3882

Name: SAMUEL GARY JR. & ASSOCIATES, INC.

Address: 1515 WYNKOOP, SUITE 700

City/State/Zip: DENVER, CO 80202-4838

Purchaser: GARY-WILLIAMS ENERGY CORPORATION

Operator Contact Person: THOMAS G. FERTAL

Phone: (303) 831-4673

Contractor: Name: SOUTHWIND DRILLING

License: 33350

Wellsite Geologist: TIM HEDRICK

Designate Type of Completion:

New Well  Re-Entry  Workover  
 Oil  SWD  SLOW  Temp Abd.  
 Gas  ENHR  SIGW  
 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./SWD

Plug Back  Plug Back Total Depth

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Enhr.?)  Docket No. \_\_\_\_\_

|                                   |                  |   |
|-----------------------------------|------------------|---|
| <u>01/19/2010</u>                 | <u>1/30/2010</u> | <u>1/30/2010</u>                        |
| Spud Date or<br>Recompletion Date | Date Reached TD  | Completion Date or<br>Recompletion Date |

API No. 15 - 051-25945-0000

County: ELLIS

NW NE SE SE Sec. 32 Twp. 15 S. R. 16  East  West

1080 feet from SOUTH of Section

550 feet from EAST Line of Section

Footages Calculated from Nearest Outside Section Corner:

(circle one) NE  SE NW SW

Lease Name: DOME Well #: 1-32

Field Name: WILDCAT

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

Elevation: Ground: 1874' Kelly Bushing: 1883'

Total Depth: 3578' Plug Back Total Depth: 3455'

Amount of Surface Pipe Set and Cemented at 1005 Feet

Multiple State 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 PAJMS-1870  
(Data must be collected from the Reserve Pit)

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

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

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

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

Lease Name: \_\_\_\_\_ License No.: \_\_\_\_\_

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

County: \_\_\_\_\_ Docket No.: \_\_\_\_\_

**INSTRUCTIONS:** An original and two copies of this information shall be filed with the Kansas Corporation Commission, 130 South 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 on 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: Thomas G. Fertal

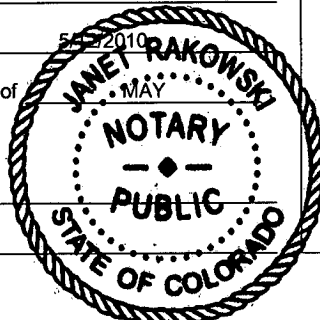
Title: SR. GEOLOGIST Date: 5/12/2010

Subscribed and sworn to before me this 12<sup>TH</sup> day of

2010

Notary Public: Janet Rakowski

Date Commission Expires: 6/5/13



**KCC Office Use ONLY**

Letter of Confidentiality Attached

If Denied, Yes  Date: \_\_\_\_\_

Wireline Log Received

Geologist Report Received

UIC Distribution

**RECEIVED**  
**MAY 14 2010**

KCC WICHITA

Operator Name: SAMUEL GARY JR & ASSOCIATES, INC. Lease Name: DOME Well #: 1-32  
 Sec. 32 Twp. 15 S. R. 16  East  West County: ELLIS

**INSTRUCTIONS:** Show important tops and base of formation penetrated. Detail all cores. Report all final copes of drill stem 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 geologist well site report.

|  |  |
|--|--|
| Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(Attach Additional Sheets)</i><br><br>Sample 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><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: DUAL INDUCTION<br>DENSITY - NEUTRON<br>SONIC LOG<br>MICROLOG | <input checked="" type="checkbox"/> Log      Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br>Name      Top      Datum<br>TOPEKA      2892'      -1009'<br>HEEBNER      3113'      -1230'<br>DOUGLAS      3147'      -1264'<br>LANSING      3166'      -1283'<br>ARBUCKLE      3477'      -1594'<br>TD      3578'<br><br><div style="text-align: center; font-weight: bold; font-size: 1.2em;">                     KCC<br/>                     MAY 12 2010<br/>                     CONFIDENTIAL                 </div> |
|--|--|

| 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"                    | 23              | 1006          | COMMON         | 425          | 2% GEL & 3% CC             |
|   |                   |                           |                 |               |                |              |                            |
|   |                   |                           |                 |               |                |              |                            |

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

| 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 |
|----------------|---|--|--|--|-------|
|                |   |  |  |  |       |
|                |   |  |  |  |       |
|                |   |  |  |  |       |
|                |   |  |  |  |       |

| TUBING RECORD                                   |     | Size  | Set At  | Packer At | Liner Run   | KCC WICHITA |               |
|---|-----|-------|---|-----------|---|-------------|---------------|
|   |     |       |   |           | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |             |               |
| Date of First, Resumed Production, SWD or Enhr. |     |       | 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 | Bbbs. | Gas   | Mcf       | Water   | Bbbs.       | Gas-Oil Ratio |
|   |     |       |   | 0         |   |             |               |

Disposition of Gas      METHOD OF COMPLETION      Production Interval

Vented     Sold     Used on Lease     Open Hole     Perf.     Dually Comp.     Commingled    \_\_\_\_\_  
*If vented, submit ACO-18.)*       Other (Specify) \_\_\_\_\_

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

a/18

1002-AP-102

# Invoice

| Date      | Invoice # |
|-----------|-----------|
| 1/21/2010 | 2240      |

|   |
|---|
| <b>Bill To</b>  |
| Samuel Gary Jr & Associates Inc<br>P.O. BOX 448<br>RUSSELL KS 67665 |

**KCC**  
MAY 12 2010  
**CONFIDENTIAL**

| P.O. No. | Terms  | Project |
|----------|--------|---------|
|          | Net 30 |         |

| Quantity | Description  | Rate   | Amount    |
|----------|--|--------|-----------|
| 100      | common   | 10.50  | 1,050.00T |
| 2        | GEL  | 17.00  | 34.00T    |
| 3        | Calcium  | 42.00  | 126.00T   |
| 105      | handling   | 2.00   | 210.00    |
| 1        | MILEAGE CHARGE   | 300.00 | 300.00    |
| 1        | surface pipes 0-500ft CONDUCTOR                                    | 400.00 | 400.00    |
| 27       | pump truck mileage charge  | 7.00   | 189.00    |
| 242      | discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED | -1.00  | -242.00T  |
| 220      | discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED | -1.00  | -220.00   |
|          | LEASE: <del>DOMEWELL#132</del><br>Ellis county Sales Tax           | 5.30%  | 51.30     |

**RECEIVED**  
JAN 27 2010  
SAMUEL GARY JR.  
& ASSOCIATES, INC.

**RECEIVED**  
MAY 14 2010  
KCC WICHITA

DRLG  COMP  W/O  LOE  GG

AFE # \_\_\_\_\_  
ACCT #: 135-60  
APPROVED BY: [Signature]

8200-138

|                                   |              |            |
|-----------------------------------|--------------|------------|
| Thank you for your business. Dave | <b>Total</b> | \$1,898.30 |
|-----------------------------------|--------------|------------|

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

No. 3538

Date 1/19/10 Sec. 32 Twp. 15 Range 16 County Ellis State KS On Location \_\_\_\_\_ Finish 9:15 PM

Lease DOME Well No. 6-32 Location Victoria, 1 W, S to CL, 3 E, 1/4 N, W, 1/4

Contractor Southwind Drilling Rig #3 Owner \_\_\_\_\_

Type Job Conductor To Quality Oilwell Cementing, Inc.  
You are hereby requested to rent cementing equipment and furnish  
cementer and helper to assist owner or contractor to do work as listed.

Hole Size 17 1/2 T.D. 95' Charge To Samuel Gary Jr. and Associates

Csg. 13 3/8" 48# Depth 92' Street \_\_\_\_\_

Tbg. Size \_\_\_\_\_ Depth \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_

Drill Pipe \_\_\_\_\_ Depth \_\_\_\_\_ The above was done to satisfaction and supervision of owner agent or contractor.

Tool \_\_\_\_\_ Depth \_\_\_\_\_

Cement Left in Csg. 15' Shoe Joint \_\_\_\_\_

Press Max. \_\_\_\_\_ Minimum \_\_\_\_\_ Amount Ordered CEMENT 100 ex Com 3% CC 2% gel

Meas Line \_\_\_\_\_ Displace 11 Bbls. Common \_\_\_\_\_

Perf. \_\_\_\_\_ Poz. Mix \_\_\_\_\_

EQUIPMENT Gel. \_\_\_\_\_

Pumptrk 9 No. Paul Cementer \_\_\_\_\_ RECEIVED  
Helper \_\_\_\_\_

Bulktrk 11 No. Blake Driver \_\_\_\_\_

Bulktrk Aut Driver Rocky Driver \_\_\_\_\_ JAN 27 2010

JOB SERVICES & REMARKS Flowseal \_\_\_\_\_

Pumptrk Charge \_\_\_\_\_ SAMUEL GARY JR. & ASSOCIATES, INC.

Mileage \_\_\_\_\_

Footage \_\_\_\_\_

Total \_\_\_\_\_ Handling \_\_\_\_\_

Remarks: Cement Circulated Mileage \_\_\_\_\_ MAY 12 2010

Pump Truck Charge \_\_\_\_\_ CONFIDENTIAL

FLOAT EQUIPMENT \_\_\_\_\_

Guide Shoe \_\_\_\_\_

Centralizer \_\_\_\_\_

Baskets \_\_\_\_\_

AFU Inserts \_\_\_\_\_ 8 3/8" Swagel

Rotating Head \_\_\_\_\_ RECEIVED  
Squeeze Mainfold \_\_\_\_\_ MAY 14 2010

Thank You!!  
Robert Jones  
X Signature

KCC WICHITA  
Tax \_\_\_\_\_  
Discount \_\_\_\_\_  
Total Charge \_\_\_\_\_

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

2/18

1002-AP-101

# Invoice

| Date      | Invoice # |
|-----------|-----------|
| 1/21/2010 | 2244      |

|   |
|---|
| <b>Bill To</b>  |
| Samuel Gary Jr & Associates Inc<br>P.O. BOX 448<br>RUSSELL KS 67665 |

**KCC**  
MAY 12 2010  
CONFIDENTIAL

| P.O. No. | Terms  | Project |
|----------|--------|---------|
|          | Net 30 |         |

| Quantity | Description  | Rate   | Amount     |
|----------|--|--------|------------|
| 425      | common   | 10.50  | 4,462.50T  |
| 8        | GEL  | 17.00  | 136.00T    |
| 15       | Calcium  | 42.00  | 630.00T    |
| 106      | Celloseal  | 2.00   | 212.00T    |
| 448      | handling   | 2.00   | 896.00     |
| 1        | MILEAGE CHARGE   | 600.00 | 600.00     |
| 1        | 8 5/8 solid rubber plug  | 102.00 | 102.00T    |
| 3        | 8 5/8 basket   | 175.00 | 525.00T    |
| 3        | 8 5/8" centralizers TURBO  | 85.00  | 255.00T    |
| 1        | 8 5/8 baffle plate   | 105.00 | 105.00T    |
| 1        | surface pipe 500-1500ft  | 550.00 | 550.00     |
| 27       | pump truck mileage charge  | 7.00   | 189.00     |
| 1,286    | discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED | -1.00  | -1,286.00T |
| 447      | discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED | -1.00  | -447.00    |
|          | LEASE: <del>DOME WELL #1-32</del><br>Ellis county Sales Tax        | 5.30%  | 272.50     |

**RECEIVED**

JAN 29 2010

SAMUEL GARY JR.  
& ASSOCIATES, INC.

**RECEIVED**

MAY 14 2010

KCC WICHITA

DRLG  COMP  W/O  LOE  GG

AFE # \_\_\_\_\_

ACCT # 8000.138

APPROVED BY: \_\_\_\_\_

135

553-60

*[Signature]*

Thank you for your business. Dave

**Total**

\$7,202.00

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

KCC No. 3581

MAY 12 2010

CONFIDENTIAL

|                                   |         |          |            |  |   |       |    |        |           |  |    |             |          |        |          |
|-----------------------------------|---------|----------|------------|--|---|-------|----|--------|-----------|--|----|-------------|----------|--------|----------|
| Date                              | 1/21/10 | Sec.     | 33         | Twp.   | 5 | Range | 10 | County | Wichita   | State  | KS | On Location | 10:00 AM | Finish | 10:00 AM |
| Lease                             | 1000    | Well No. | 100        | Location   |   |       |    |        |           |  |    |             |          |        |          |
| Contractor                        |         |          |            |  |   |       |    |        | Owner     | To Quality Oilwell Cementing, Inc.<br>You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |    |             |          |        |          |
| Type Job                          |         |          |            |  |   |       |    |        | Charge To |  |    |             |          |        |          |
| Hole Size                         |         |          | T.D.       | 100'   |   |       |    |        |           |  |    |             |          |        |          |
| Csg.                              |         |          | Depth      |  |   |       |    |        |           |  |    |             |          |        |          |
| Tbg. Size                         |         |          | Depth      | Street   |   |       |    |        |           |  |    |             |          |        |          |
| Drill Pipe                        |         |          | Depth      | City State   |   |       |    |        |           |  |    |             |          |        |          |
| Tool                              |         |          | Depth      | The above was done to satisfaction and supervision of owner agent or contractor. |   |       |    |        |           |  |    |             |          |        |          |
| Cement Left in Csg.               |         |          | Shoe Joint | CEMENT 1/4 Flt Equip   |   |       |    |        |           |  |    |             |          |        |          |
| Press Max.                        |         |          | Minimum    | Amount Ordered   |   |       |    |        |           |  |    |             |          |        |          |
| Meas Line                         |         |          | Displace   | Common 425 @ 10.50 4462.50   |   |       |    |        |           |  |    |             |          |        |          |
| Perf.                             |         |          |            | Poz. Mix   |   |       |    |        |           |  |    |             |          |        |          |
| <b>EQUIPMENT</b>                  |         |          |            | Gel. 8 @ 17.00 136.00  |   |       |    |        |           |  |    |             |          |        |          |
| Pumptrk                           | No.     | Cementer |            | Calcium 15 @ 42.00 630.00  |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         | Helper   |            | Mills  |   |       |    |        |           |  |    |             |          |        |          |
| Bulktrk                           | No.     | Driver   |            | Salt   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         | Driver   |            | Flowseal 106 @ 2.00 212.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         | Driver   |            |  |   |       |    |        |           |  |    |             |          |        |          |
| <b>JOB SERVICES &amp; REMARKS</b> |         |          |            | Pumptrk Charge 1000 LFC 500.00   |   |       |    |        |           |  |    |             |          |        |          |
| Mileage 27 @ 7.00 189.00          |         |          |            |  |   |       |    |        |           |  |    |             |          |        |          |
| Footage                           |         |          |            |  |   |       |    |        |           |  |    |             |          |        |          |
| Total 731.00                      |         |          |            | Handling 445 @ 2.00 890.00   |   |       |    |        |           |  |    |             |          |        |          |
| Remarks:                          |         |          |            | Mileage 600.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Pump Truck Charge 704.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | <b>RECEIVED</b>  |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | GUIDE SHOE   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Centralizer 255.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Baskets 525.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | RFU Inserts 102.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Rotating Head 102.00   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Squeez Mainfold  |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Tax 272.50   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Discount (1733.00)   |   |       |    |        |           |  |    |             |          |        |          |
|                                   |         |          |            | Total Charge 7,202.00  |   |       |    |        |           |  |    |             |          |        |          |
| Signature                         |         |          |            |  |   |       |    |        |           |  |    |             |          |        |          |

RECEIVED  
JAN 29 2010

SAMUEL GARY JR & ASSOCIATES

RECEIVED  
MAY 14 2010  
KCC WICHITA

Quality Oilwell Cementing Inc.

740 W WICHITA  
P.O. Box 32  
Russell, KS 67665

2125  
1002-AP-243

# Invoice

| Date     | Invoice # |
|----------|-----------|
| 2/2/2010 | 2272      |

|   |
|---|
| <b>Bill To</b>  |
| Samuel Gary Jr & Associates Inc<br>P.O. BOX 448<br>RUSSELL KS 67665 |

**RECEIVED**

**KCC**

FEB 09 2010

MAY 12 2010

SAMUEL GARY JR.  
& ASSOCIATES, INC.

**CONFIDENTIAL**

| P.O. No. | Terms  | Project |
|----------|--------|---------|
|          | Net 30 |         |

| Quantity | Description  | Rate   | Amount    |
|----------|--|--------|-----------|
| 111      | common   | 10.50  | 1,165.50T |
| 74       | POZ  | 6.50   | 481.00T   |
| 6        | GEL  | 17.00  | 102.00T   |
| 46       | Celloseal  | 2.00   | 92.00T    |
| 191      | handling   | 2.00   | 382.00T   |
| 1        | MILEAGE CHARGE   | 350.00 | 350.00T   |
| 1        | dry hole plug  | 45.00  | 45.00T    |
| 1        | pump truck charge plugging   | 500.00 | 500.00T   |
| 27       | pump truck mileage charge  | 7.00   | 189.00T   |
| 652      | discount if paid within 30 days DISCOUNT HAS ALREADY BEEN DEDUCTED | -1.00  | -652.00T  |
|          | LEASE: <del>DOME WELL #1-32</del><br>Ellis county Sales Tax        | 5.30%  | 140.69    |

**RECEIVED**  
**MAY 14 2010**  
**KCC WICHITA**

DRLG  COMP  W/O  LOE  GG

AFE # \_\_\_\_\_

ACCT #: 200.138 135-50

APPROVED BY: 

Thank you for your business. Dave

**Total**

\$2,795.19

# QUALITY OILWELL CEMENTING, INC.

Phone 785-483-2025  
Cell 785-324-1041

Home Office P.O. Box 32 Russell, KS 67665

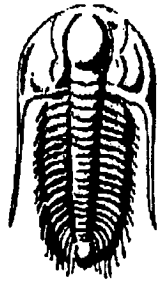
No. 3541

|                        |                            |          |                      |      |  |       |    |        |       |       |    |   |  |        |          |
|------------------------|----------------------------|----------|----------------------|------|--|-------|----|--------|-------|-------|----|---|--|--------|----------|
| Date                   | 1/30/10                    | Sec.     | 32                   | Twp. | 15   | Range | 16 | County | Ellis | State | KS | On Location                                 |  | Finish | 10:00 PM |
| Lease                  | Dome                       | Well No. | 1-32                 |      | Location Pfiefer Curve, 1S, 2E, 1/4N, Winto  |       |    |        |       |       |    |   |  |        |          |
| Contractor             | Southwind Drilling Rig # 2 |          |                      |      | Owner  |       |    |        |       |       |    |   |  |        |          |
| Type Job               | Plug                       |          |                      |      | To Quality Oilwell Cementing, Inc.   |       |    |        |       |       |    |   |  |        |          |
| Hole Size              | 7 7/8"                     |          |                      |      | You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed. |       |    |        |       |       |    |   |  |        |          |
| Csg.                   |                            |          |                      |      | Charge To Samuel Gary and Associates   |       |    |        |       |       |    |   |  |        |          |
| Tbg. Size              |                            |          |                      |      | Street   |       |    |        |       |       |    |   |  |        |          |
| Drill Pipe             | 4 1/2"                     |          |                      |      | City State   |       |    |        |       |       |    |   |  |        |          |
| Tool                   |                            |          |                      |      | The above was done to satisfaction and supervision of owner agent or contractor.   |       |    |        |       |       |    |   |  |        |          |
| Cement Left in Csg.    |                            |          |                      |      | 1/4" Flowseal CEMENT   |       |    |        |       |       |    |   |  |        |          |
| Press Max.             |                            |          |                      |      | Amount Ordered 185 sx 60/40 4% gel   |       |    |        |       |       |    |   |  |        |          |
| Meas Line              |                            |          |                      |      | Common   |       |    |        |       |       |    |   |  |        |          |
| Perf.                  |                            |          |                      |      | Poz. Mix   |       |    |        |       |       |    |   |  |        |          |
| EQUIPMENT              |                            |          |                      |      |  |       |    |        |       |       |    | Gel.  |  |        |          |
| Pumptrk                | 9                          | No.      | Cementor Helper Paul |      | Calcium  |       |    |        |       |       |    |   |  |        |          |
| Bulktrk                | 2                          | No.      | Driver Blake         |      | Mills  |       |    |        |       |       |    |   |  |        |          |
| Bulktrk                | PV                         | No.      | Driver Rocky         |      | Salt   |       |    |        |       |       |    |   |  |        |          |
| JOB SERVICES & REMARKS |                            |          |                      |      |  |       |    |        |       |       |    | Flowseal SAMUEL GARY JR. & ASSOCIATES, INC. |  |        |          |
| Pumptrk Charge         |                            |          |                      |      | RECEIVED   |       |    |        |       |       |    |   |  |        |          |
| Mileage                |                            |          |                      |      | FEB 09 2010  |       |    |        |       |       |    |   |  |        |          |
| Footage                |                            |          |                      |      | KCC  |       |    |        |       |       |    |   |  |        |          |
| Total                  |                            |          |                      |      |  |       |    |        |       |       |    | MAY 12 2010                                 |  |        |          |
| Remarks:               |                            |          |                      |      |  |       |    |        |       |       |    | CONFIDENTIAL                                |  |        |          |
| 3455' - 25sx           |                            |          |                      |      |  |       |    |        |       |       |    | Handling                                    |  |        |          |
| 1055' - 40sx           |                            |          |                      |      |  |       |    |        |       |       |    | Mileage                                     |  |        |          |
| 374' - 80sx            |                            |          |                      |      |  |       |    |        |       |       |    | Pump Truck Charge RECEIVED                  |  |        |          |
| 40' - 10sx             |                            |          |                      |      |  |       |    |        |       |       |    | FLOAT EQUIPMENT                             |  |        |          |
| Rathole - 30sx         |                            |          |                      |      |  |       |    |        |       |       |    | MAY 14 2010                                 |  |        |          |
| AFU Inserts            |                            |          |                      |      |  |       |    |        |       |       |    | KCC WICHITA                                 |  |        |          |
| 8 5/8" Dry Hole Plug   |                            |          |                      |      |  |       |    |        |       |       |    |   |  |        |          |
| Rotating Head          |                            |          |                      |      |  |       |    |        |       |       |    |   |  |        |          |
| Squeez Mainfold        |                            |          |                      |      |  |       |    |        |       |       |    |   |  |        |          |
| Signature              |                            |          |                      |      |  |       |    |        |       |       |    | Tax   |  |        |          |
|                        |                            |          |                      |      |  |       |    |        |       |       |    | Discount                                    |  |        |          |
|                        |                            |          |                      |      |  |       |    |        |       |       |    | Total Charge                                |  |        |          |

Thank You!!

*[Signature]*  
X Signature





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

### DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.24 @ 20:01:04

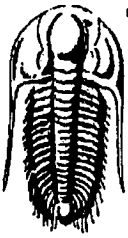
End Date: 2010.01.25 @ 02:50:58

Job Ticket #: 36766                      DST #: 1

**KCC**  
**MAY 12 2010**  
**CONFIDENTIAL**

**RECEIVED**  
**MAY 14 2010**  
**KCC WICHITA**

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36766

**DST#: 1**

ATTN: Tom Fertal

Test Start: 2010.01.24 @ 20:01:04

### GENERAL INFORMATION:

Formation: **Topeka**

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

Time Tool Opened: 21:44:29

Time Test Ended: 02:50:58

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **2880.00 ft (KB) To 2904.00 ft (KB) (TVD)**

Reference Elevations: **1883.00 ft (KB)**

Total Depth: **2904.00 ft (KB) (TVD)**

**1874.00 ft (CF)**

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

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

**Serial #: 8371** **Outside**

Press@RunDepth: **26.49 psig @ 2881.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.01.24**

End Date:

**2010.01.25**

Last Calib.: **2010.01.25**

Start Time: **20:01:04**

End Time:

**02:50:58**

Time On Btm: **2010.01.24 @ 21:42:29**

Time Off Btm: **2010.01.25 @ 01:19:28**

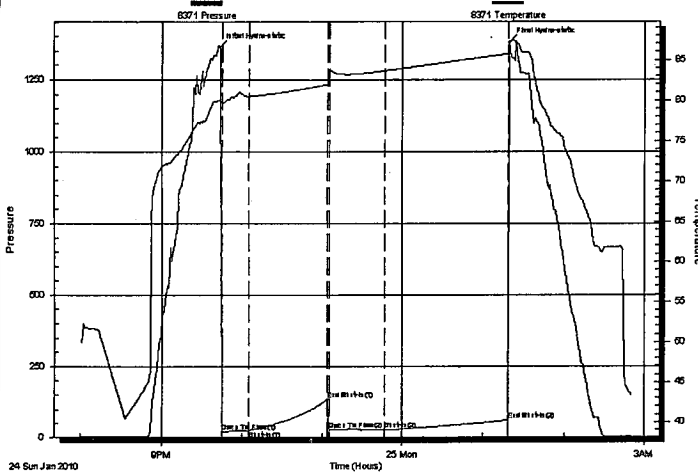
**TEST COMMENT:** IFP - weak blow throughout 1/2" - 1 1/8"

ISI - no blow back

FFP - 1/2" blow - died 22 min.

FSI - no blow back

Pressure vs. Time



### PRESSURE SUMMARY

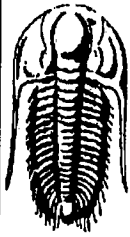
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1363.86         | 79.93        | Initial Hydro-static |
| 2           | 21.47           | 79.68        | Open To Flow (1)     |
| 23          | 23.90           | 80.49        | Shut-In(1)           |
| 82          | 132.98          | 81.95        | End Shut-In(1)       |
| 83          | 26.24           | 83.59        | Open To Flow (2)     |
| 124         | 26.49           | 83.61        | Shut-In(2)           |
| 216         | 60.59           | 85.72        | End Shut-In(2)       |
| 217         | 1379.71         | 86.98        | Final Hydro-static   |

### Recovery

| Length (ft) | Description | Volume (bbl) |
|-------------|-------------|--------------|
| 10.00       | mud 100%    | 0.05         |
|             |             |              |
|             |             |              |
|             |             |              |
|             |             |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36766

DST#: 1

ATTN: Tom Fertal

Test Start: 2010.01.24 @ 20:01:04

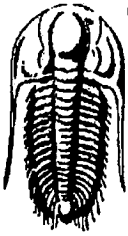
**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2747.00 ft | Diameter: 3.80 inches | Volume: 38.53 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 123.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl               | Weight to Pull Loose: 45000.00 lb  |
|                           |                    |                       | <u>Total Volume: 39.13 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 17.00 ft           |                       |                                | String Weight: Initial 40000.00 lb |
| Depth to Top Packer:      | 2880.00 ft         |                       |                                | Final 40000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 24.00 ft           |                       |                                |                                    |
| Tool Length:              | 51.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |
| Tool Comments:            |                    |                       |                                |                                    |

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths |
|------------------|-------------|------------|----------|------------|----------------|
|------------------|-------------|------------|----------|------------|----------------|

|                |       |      |         |         |                               |
|----------------|-------|------|---------|---------|-------------------------------|
| Shut In Tool   | 5.00  |      |         | 2858.00 |                               |
| Hydraulic tool | 5.00  |      |         | 2863.00 |                               |
| Jars           | 5.00  |      |         | 2868.00 |                               |
| Safety Joint   | 2.00  |      |         | 2870.00 |                               |
| Packer         | 5.00  |      |         | 2875.00 | 27.00 Bottom Of Top Packer    |
| Packer         | 5.00  |      |         | 2880.00 |                               |
| Stubb          | 1.00  |      |         | 2881.00 |                               |
| Recorder       | 0.00  | 8018 | Inside  | 2881.00 |                               |
| Recorder       | 0.00  | 8371 | Outside | 2881.00 |                               |
| Perforations   | 20.00 |      |         | 2901.00 |                               |
| Bullnose       | 3.00  |      |         | 2904.00 | 24.00 Bottom Packers & Anchor |

**Total Tool Length: 51.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36766

DST#: 1

ATTN: Tom Fertal

Test Start: 2010.01.24 @ 20:01:04

### 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: 61.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.89 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 4200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description | Volume<br>bbl |
|--------------|-------------|---------------|
| 10.00        | mud 100%    | 0.049         |

Total Length: 10.00 ft      Total Volume: 0.049 bbl

Num Fluid Samples: 0

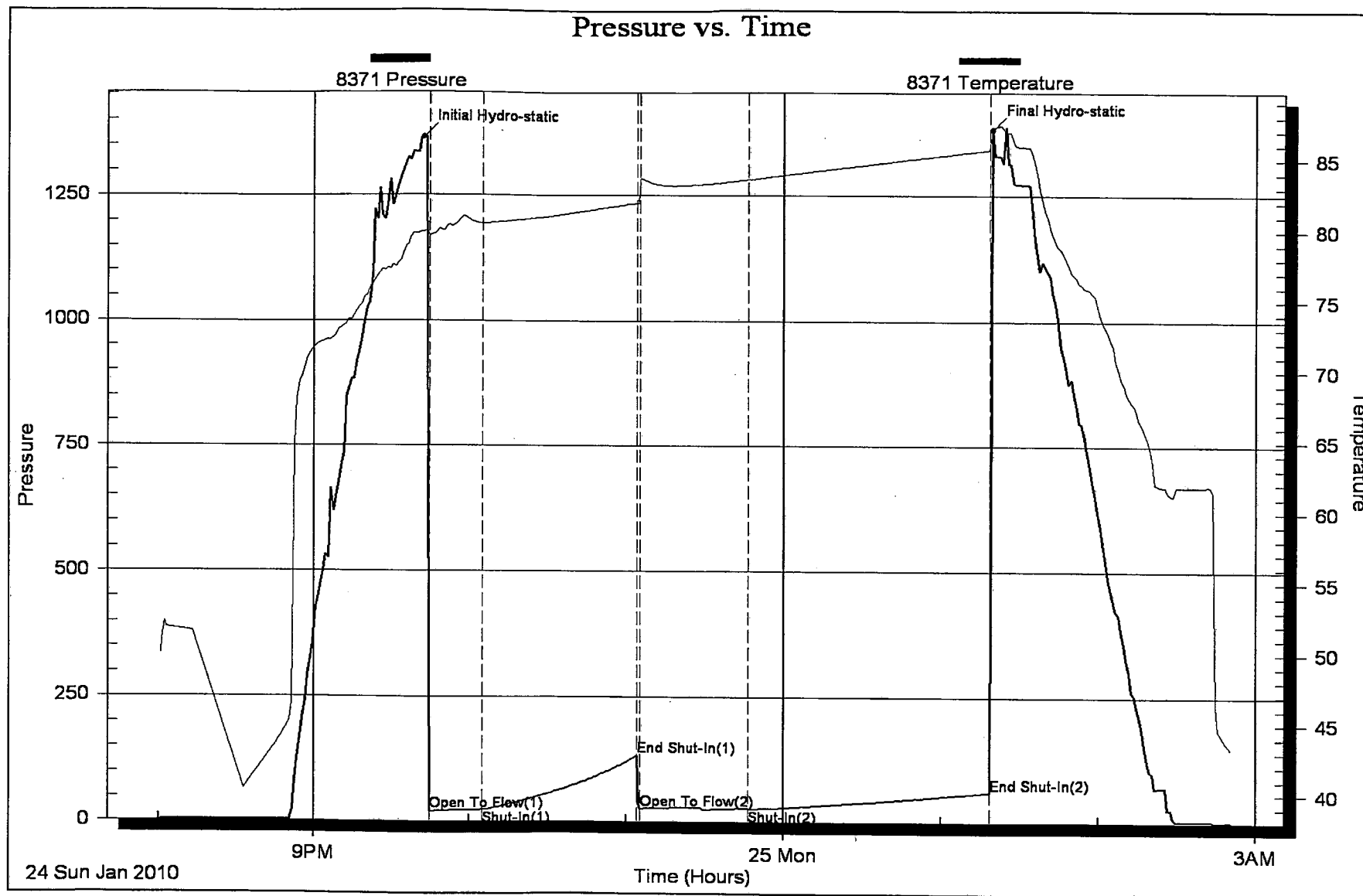
Num Gas Bombs: 0

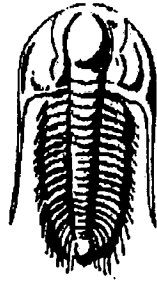
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.26 @ 09:23:49

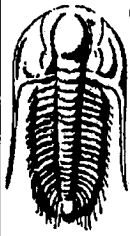
End Date: 2010.01.26 @ 17:37:43

Job Ticket #: 36767                      DST #: 2

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36767

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.01.26 @ 09:23:49

### GENERAL INFORMATION:

Formation: **LKC "C-F"**

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

Time Tool Opened: 11:16:14

Time Test Ended: 17:37:43

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3182.00 ft (KB) To 3240.00 ft (KB) (TVD)**

Reference Elevations: **1883.00 ft (KB)**

Total Depth: **3240.00 ft (KB) (TVD)**

**1874.00 ft (CF)**

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

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

**Serial #: 8371**

**Outside**

Press@RunDepth: **110.17 psig @ 3185.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.01.26**

End Date:

**2010.01.26**

Last Calib.: **2010.01.26**

Start Time: **09:23:49**

End Time:

**17:37:43**

Time On Btm: **2010.01.26 @ 11:13:44**

Time Off Btm: **2010.01.26 @ 16:07:13**

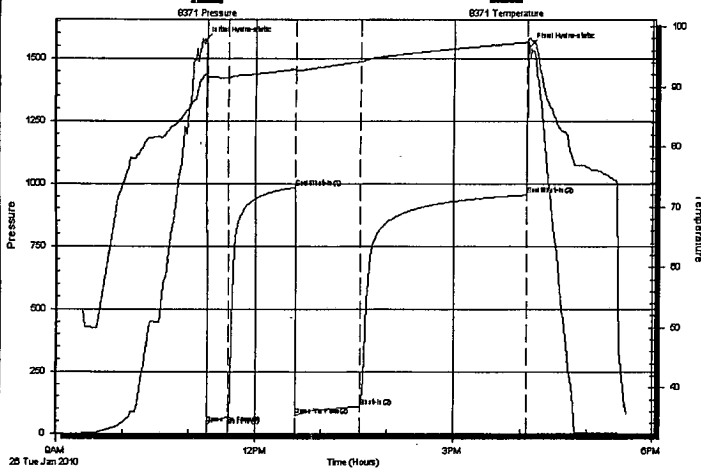
**TEST COMMENT:** IFP - weak blow throughout 1/2" - 3"

ISI - no blow back

FFP - weak to fair blow 1/2" - 3 1/2"

FSI - no blow back

Pressure vs. Time



### PRESSURE SUMMARY

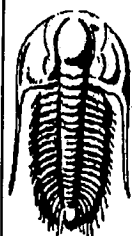
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1570.93         | 92.03        | Initial Hydro-static |
| 3           | 37.51           | 91.20        | Open To Flow (1)     |
| 22          | 67.46           | 91.43        | Shut-In(1)           |
| 83          | 984.85          | 92.91        | End Shut-In(1)       |
| 83          | 73.88           | 92.57        | Open To Flow (2)     |
| 142         | 110.17          | 94.14        | Shut-In(2)           |
| 292         | 956.34          | 97.35        | End Shut-In(2)       |
| 294         | 1549.16         | 98.03        | Final Hydro-static   |

### Recovery

| Length (ft) | Description    | Volume (bbl) |
|-------------|----------------|--------------|
| 144.00      | MV 90%W, 10%M  | 0.90         |
| 1.00        | WCO 50%O, 50%M | 0.01         |
|             |                |              |
|             |                |              |
|             |                |              |

### Gas Rates

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



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36767

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.01.26 @ 09:23:49

### Tool Information

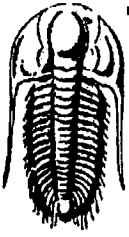
|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3061.00 ft | Diameter: 3.80 inches | Volume: 42.94 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 123.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl               | Weight to Pull Loose: 52000.00 lb  |
|                           |                    |                       | <u>Total Volume: 43.54 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 29.00 ft           |                       |                                | String Weight: Initial 46000.00 lb |
| Depth to Top Packer:      | 3182.00 ft         |                       |                                | Final 46000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 58.00 ft           |                       |                                |                                    |
| Tool Length:              | 85.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |
| Tool Comments:            |                    |                       |                                |                                    |

### Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3160.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3165.00    |                               |
| Jars             | 5.00        |            |          | 3170.00    |                               |
| Safety Joint     | 2.00        |            |          | 3172.00    |                               |
| Packer           | 5.00        |            |          | 3177.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3182.00    |                               |
| Stubb            | 1.00        |            |          | 3183.00    |                               |
| Perforations     | 1.00        |            |          | 3184.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3185.00    |                               |
| Recorder         | 0.00        | 8018       | Inside   | 3185.00    |                               |
| Recorder         | 0.00        | 8371       | Outside  | 3185.00    |                               |
| Blank Spacing    | 31.00       |            |          | 3216.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3217.00    |                               |
| Perforations     | 20.00       |            |          | 3237.00    |                               |
| Bullnose         | 3.00        |            |          | 3240.00    | 58.00 Bottom Packers & Anchor |

**Total Tool Length: 85.00**





**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36767

**DST#: 2**

ATTN: Tom Fertal

Test Start: 2010.01.26 @ 09:23:49

**Mud and Cushion Information**

Mud Type: Gel Chem

Mud Weight: 9.00 lb/gal

Viscosity: 51.00 sec/qt

Water Loss: 9.09 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 7000.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API: deg API

Water Salinity: 49000 ppm

**Recovery Information**

Recovery Table

| Length<br>ft | Description    | Volume<br>bbl |
|--------------|----------------|---------------|
| 144.00       | MW 90%W, 10%M  | 0.899         |
| 1.00         | WCO 50%O, 50%M | 0.014         |

Total Length: 145.00 ft      Total Volume: 0.913 bbl

Num Fluid Samples: 0

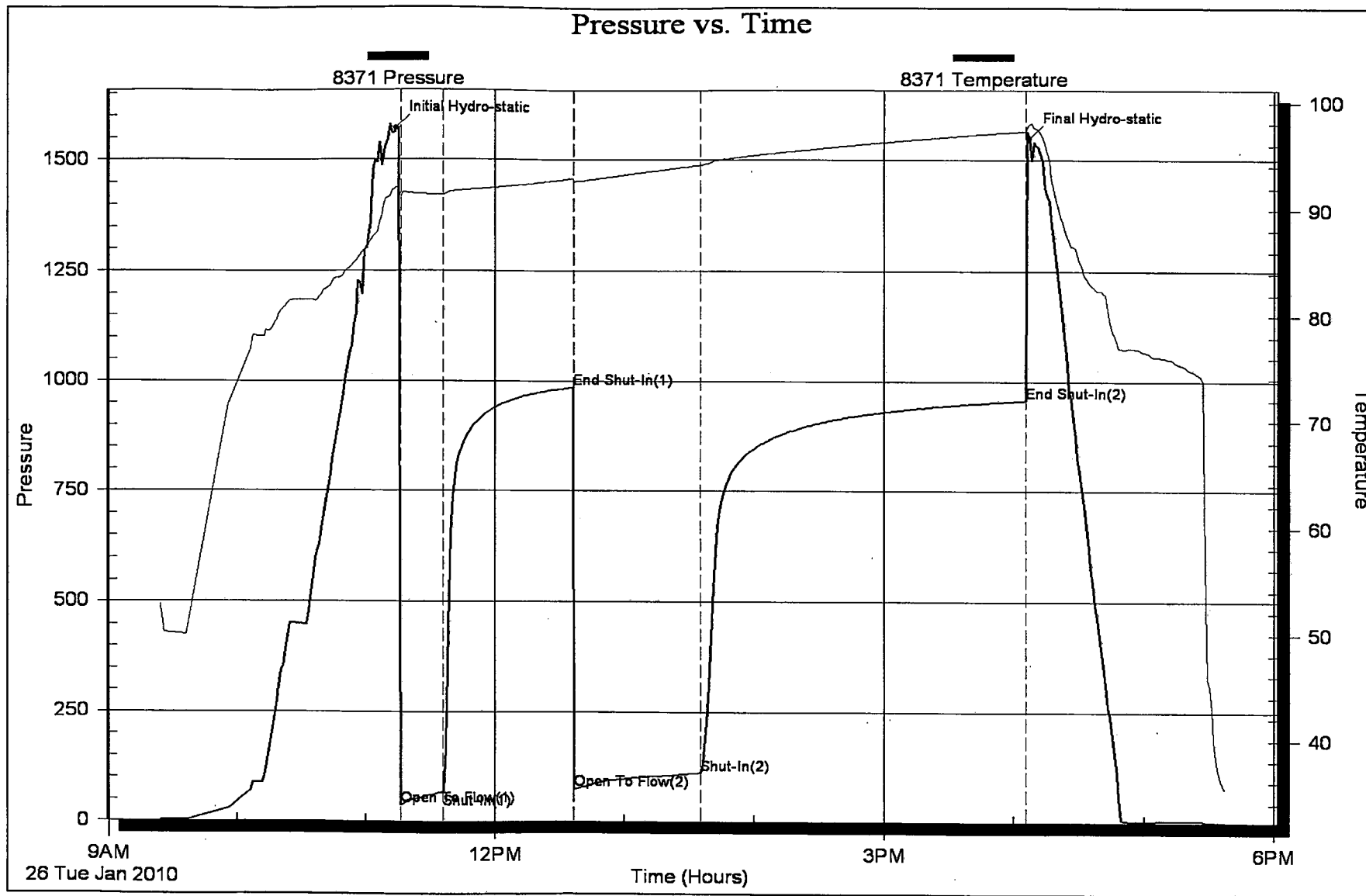
Num Gas Bombs: 0

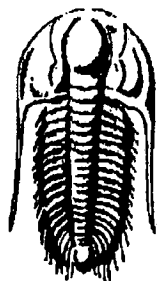
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: .274 @ 41F = 49000 chlorides





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.27 @ 12:49:10

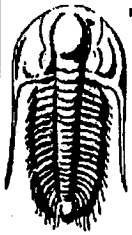
End Date: 2010.01.27 @ 20:00:04

Job Ticket #: 36768                      DST #: 3

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36768

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2010.01.27 @ 12:49:10

## GENERAL INFORMATION:

Formation: **LKC "I-J"**

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

Time Tool Opened: 14:30:35

Time Test Ended: 20:00:04

Test Type: **Conventional Bottom Hole**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3322.00 ft (KB) To 3380.00 ft (KB) (TVD)**

Reference Elevations: **1883.00 ft (KB)**

Total Depth: **3380.00 ft (KB) (TVD)**

**1874.00 ft (CF)**

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

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

**Serial #: 8371** **Outside**

Press@RunDepth: **42.13 psig @ 3325.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.01.27**

End Date: **2010.01.27**

Last Calib.: **2010.01.27**

Start Time: **12:49:10**

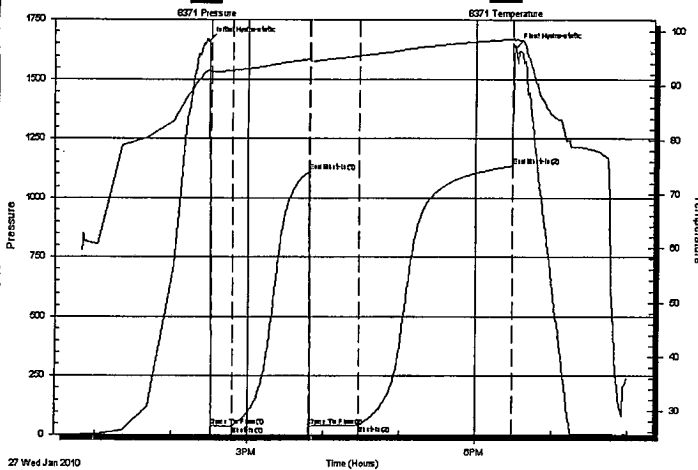
End Time: **20:00:04**

Time On Btm: **2010.01.27 @ 14:28:35**

Time Off Btm: **2010.01.27 @ 18:31:04**

**TEST COMMENT:** IFP - weak to fair blow 1/2" - 4"  
ISI - no blow back  
FFP - BOB 12 min.  
FSI - no blow back

Pressure vs. Time



## PRESSURE SUMMARY

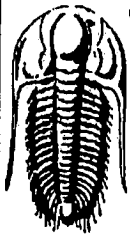
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1660.75         | 92.90        | Initial Hydro-static |
| 2           | 37.62           | 92.43        | Open To Flow (1)     |
| 19          | 35.51           | 92.84        | Shut-In(1)           |
| 80          | 1110.84         | 94.93        | End Shut-In(1)       |
| 81          | 36.09           | 94.55        | Open To Flow (2)     |
| 120         | 42.13           | 95.56        | Shut-In(2)           |
| 241         | 1134.69         | 98.65        | End Shut-In(2)       |
| 243         | 1636.85         | 98.53        | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 15.00       | HOCM 25%O, 75%M    | 0.21         |
| 15.00       | FREE OIL 90%O, 10M | 0.21         |
| 0.00        | 150' GIP           | 0.00         |
|             |                    |              |
|             |                    |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36768

**DST#: 3**

ATTN: Tom Fertal

Test Start: 2010.01.27 @ 12:49:10

**Tool Information**

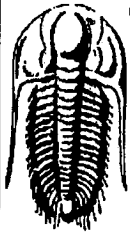
|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3307.00 ft | Diameter: 3.80 inches | Volume: 46.39 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 42000.00 lb  |
|                           |                    |                       | <u>Total Volume: 46.39 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 12.00 ft           |                       |                                | String Weight: Initial 38000.00 lb |
| Depth to Top Packer:      | 3322.00 ft         |                       |                                | Final 38000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 58.00 ft           |                       |                                |                                    |
| Tool Length:              | 85.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

**Tool Description**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3300.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3305.00    |                               |
| Jars             | 5.00        |            |          | 3310.00    |                               |
| Safety Joint     | 2.00        |            |          | 3312.00    |                               |
| Packer           | 5.00        |            |          | 3317.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3322.00    |                               |
| Stubb            | 1.00        |            |          | 3323.00    |                               |
| Perforations     | 1.00        |            |          | 3324.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3325.00    |                               |
| Recorder         | 0.00        | 8018       | Inside   | 3325.00    |                               |
| Recorder         | 0.00        | 8371       | Outside  | 3325.00    |                               |
| Blank Spacing    | 31.00       |            |          | 3356.00    |                               |
| Change Over Sub  | 1.00        |            |          | 3357.00    |                               |
| Perforations     | 20.00       |            |          | 3377.00    |                               |
| Bullnose         | 3.00        |            |          | 3380.00    | 58.00 Bottom Packers & Anchor |

**Total Tool Length: 85.00**



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

FLUID SUMMARY

Samuel Gary Jr & Associates, Inc.

Dome 1-32

1515 Wynkoop St. Ste 700  
Denver, CO 80202

32-15s-16w/Ellis

Job Ticket: 36768

DST#: 3

ATTN: Tom Fertal

Test Start: 2010.01.27 @ 12:49:10

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

31 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 59.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 7.91 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8200.00 ppm

Filter Cake: inches

### Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 15.00        | HOCM 25%O, 75%M    | 0.210         |
| 15.00        | FREE OIL 90%O, 10M | 0.210         |
| 0.00         | 150' GIP           | 0.000         |

Total Length: 30.00 ft      Total Volume: 0.420 bbl

Num Fluid Samples: 0

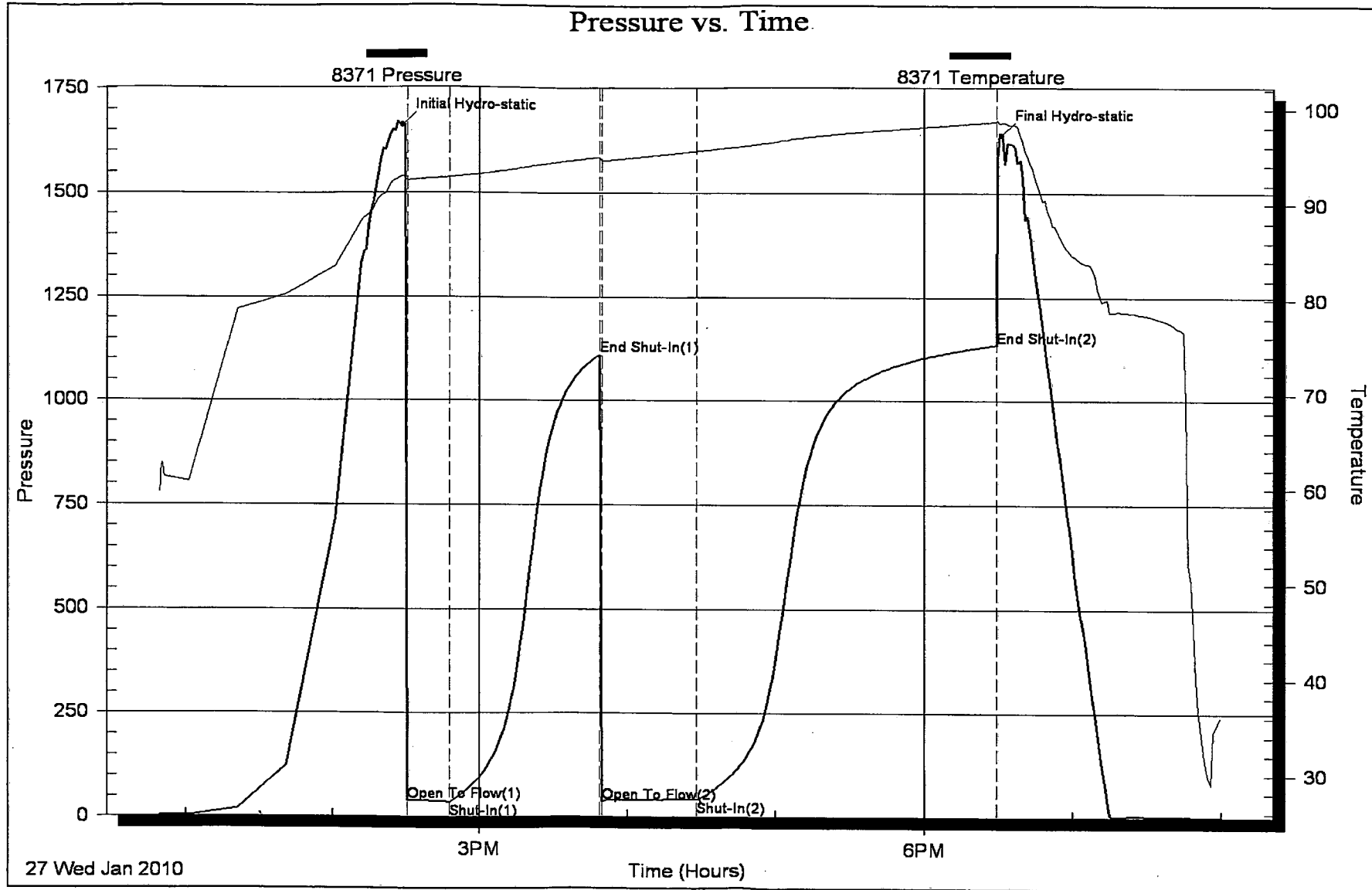
Num Gas Bombs: 0

Serial #:

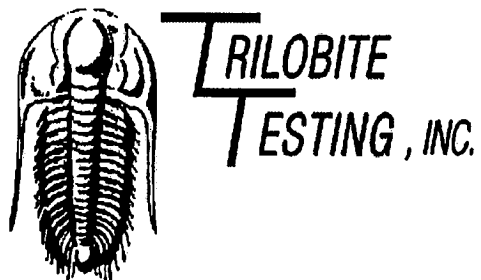
Laboratory Name:

Laboratory Location:

Recovery Comments:



27 Wed Jan 2010



## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.28 @ 10:46:14

End Date: 2010.01.28 @ 16:26:38

Job Ticket #: 36769                      DST #: 4

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





**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36769

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.01.28 @ 10:46:14

## GENERAL INFORMATION:

Formation: **Arbuckle**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 12:39:39

Time Test Ended: 16:26:38

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3460.00 ft (KB) To 3470.00 ft (KB) (TVD)**

Reference Elevations: 1883.00 ft (KB)

Total Depth: 3470.00 ft (KB) (TVD)

1874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GR/CF: 9.00 ft

**Serial #: 8371** Outside

Press@RunDepth: 21.54 psig @ 3462.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.01.28

End Date:

2010.01.28

Last Calib.: 2010.01.28

Start Time: 10:46:14

End Time:

16:26:38

Time On Btm: 2010.01.28 @ 12:37:39

Time Off Btm: 2010.01.28 @ 15:00:39

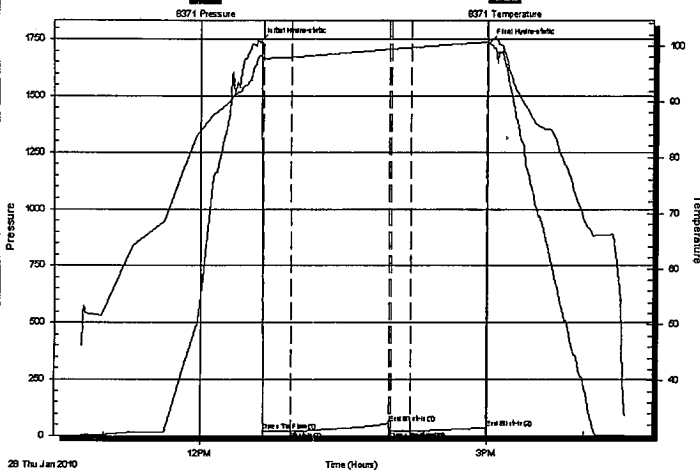
TEST COMMENT: IFF - 1/2" blow - died 11 min.

ISI - no blow back

FFP - no blow

FSI - no blow back

Pressure vs. Time



## PRESSURE SUMMARY

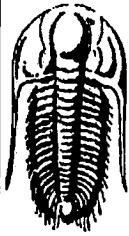
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1737.58         | 98.30        | Initial Hydro-static |
| 2           | 19.71           | 97.38        | Open To Flow (1)     |
| 20          | 21.47           | 98.00        | Shut-In(1)           |
| 82          | 53.80           | 99.47        | End Shut-In(1)       |
| 83          | 21.41           | 99.47        | Open To Flow (2)     |
| 95          | 21.54           | 99.77        | Shut-In(2)           |
| 142         | 35.32           | 100.70       | End Shut-In(2)       |
| 143         | 1732.67         | 101.09       | Final Hydro-static   |

## Recovery

| Length (ft) | Description          | Volume (bbl) |
|-------------|----------------------|--------------|
| 1.00        | mud w / O spts M100% | 0.00         |
|             |                      |              |
|             |                      |              |
|             |                      |              |
|             |                      |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36769

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.01.28 @ 10:46:14

**Tool Information**

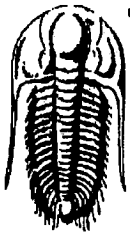
|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3340.00 ft | Diameter: 3.80 inches | Volume: 46.85 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 123.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl               | Weight to Pull Loose: 55000.00 lb  |
|                           |                    |                       | <b>Total Volume: 47.45 bbl</b> | Tool Chased 1.00 ft                |
| Drill Pipe Above KB:      | 30.00 ft           |                       |                                | String Weight: Initial 38000.00 lb |
| Depth to Top Packer:      | 3460.00 ft         |                       |                                | Final 38000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 10.00 ft           |                       |                                |                                    |
| Tool Length:              | 37.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:  
tool slid 1' to bottom

**Tool Description**

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3438.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3443.00    |                               |
| Jars             | 5.00        |            |          | 3448.00    |                               |
| Safety Joint     | 2.00        |            |          | 3450.00    |                               |
| Packer           | 5.00        |            |          | 3455.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3460.00    |                               |
| Stubb            | 1.00        |            |          | 3461.00    |                               |
| Perforations     | 1.00        |            |          | 3462.00    |                               |
| Recorder         | 0.00        | 8018       | Inside   | 3462.00    |                               |
| Recorder         | 0.00        | 8371       | Outside  | 3462.00    |                               |
| Perforations     | 5.00        |            |          | 3467.00    |                               |
| Bullnose         | 3.00        |            |          | 3470.00    | 10.00 Bottom Packers & Anchor |

**Total Tool Length: 37.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36769

**DST#: 4**

ATTN: Tom Fertal

Test Start: 2010.01.28 @ 10:46:14

## 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: 64.00 sec/qt

Cushion Volume:

bbf

Water Loss: 7.93 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description          | Volume<br>bbf |
|--------------|----------------------|---------------|
| 1.00         | mud w / O spts M100% | 0.005         |

Total Length: 1.00 ft      Total Volume: 0.005 bbf

Num Fluid Samples: 0

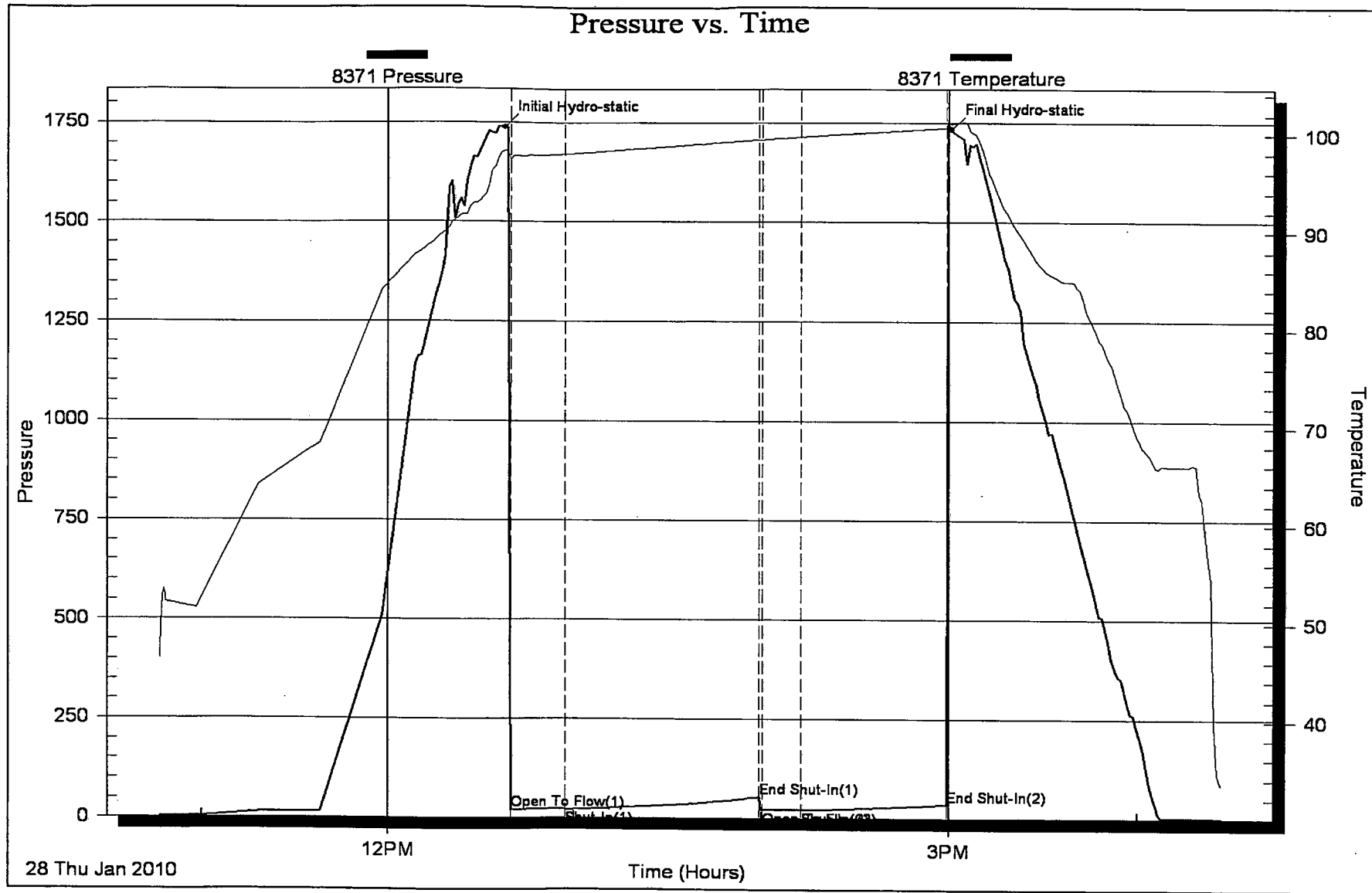
Num Gas Bombs: 0

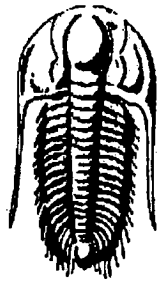
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





**TRILOBITE  
TESTING, INC.**

## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.29 @ 02:53:57

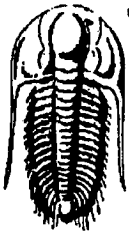
End Date: 2010.01.29 @ 10:50:21

Job Ticket #: 36770                      DST #: 5

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36770

**DST#: 5**

ATTN: Tom Fertal

Test Start: 2010.01.29 @ 02:53:57

## GENERAL INFORMATION:

Formation: **Arbuckle (2)**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 04:57:52

Time Test Ended: 10:50:21

Test Type: Conventional Bottom Hole

Tester: Brian Fairbank

Unit No: 41

Interval: **3463.00 ft (KB) To 3485.00 ft (KB) (TVD)**

Reference Elevations: 1883.00 ft (KB)

Total Depth: 3485.00 ft (KB) (TVD)

1874.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition:

KB to GRVCF: 9.00 ft

**Serial #: 8371**

Outside

Press@RunDepth: 54.68 psig @ 3467.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.01.29

End Date:

2010.01.29

Last Calib.: 2010.01.29

Start Time: 02:53:57

End Time:

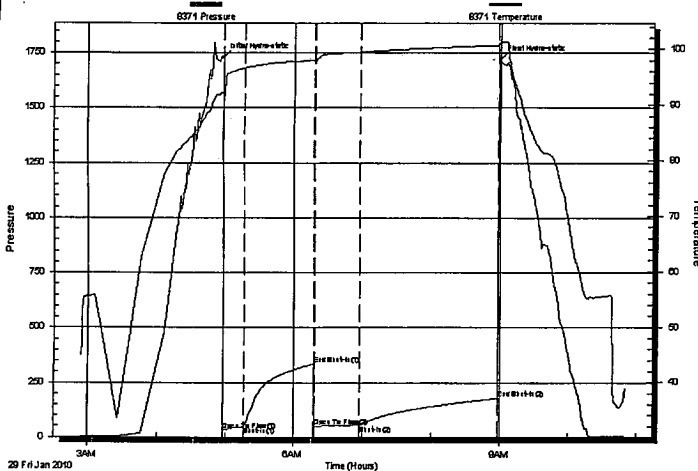
10:50:21

Time On Btm: 2010.01.29 @ 04:56:22

Time Off Btm: 2010.01.29 @ 08:59:21

**TEST COMMENT:** IFP - BOB 13 min.  
ISI - 1/4" blow back - died 30 min.  
FFP - weak to fair blow 1" - 5"  
FSI - no blow back

Pressure vs. Time



## PRESSURE SUMMARY

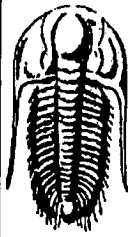
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1729.35         | 92.12        | Initial Hydro-static |
| 2           | 32.20           | 91.17        | Open To Flow (1)     |
| 20          | 45.86           | 96.62        | Shut-In(1)           |
| 81          | 333.39          | 98.01        | End Shut-In(1)       |
| 82          | 48.19           | 97.96        | Open To Flow (2)     |
| 122         | 54.68           | 99.45        | Shut-In(2)           |
| 242         | 177.77          | 100.71       | End Shut-In(2)       |
| 243         | 1720.85         | 101.22       | Final Hydro-static   |

## Recovery

| Length (ft) | Description        | Volume (bbl) |
|-------------|--------------------|--------------|
| 45.00       | OCM 10%O, 90%M     | 0.22         |
| 40.00       | FREE OIL 95%O, 5%M | 0.20         |
| 0.00        | 90' GIP            | 0.00         |
|             |                    |              |
|             |                    |              |
|             |                    |              |

## Gas Rates

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36770

**DST#: 5**

ATTN: Tom Fertal

Test Start: 2010.01.29 @ 02:53:57

## Tool Information

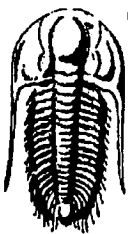
|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3340.00 ft | Diameter: 3.80 inches | Volume: 46.85 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 25000.00 lb  |
| Drill Collar:             | Length: 123.00 ft  | Diameter: 2.25 inches | Volume: 0.60 bbl               | Weight to Pull Loose: 44000.00 lb  |
|                           |                    |                       | <u>Total Volume: 47.45 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 27.00 ft           |                       |                                | String Weight: Initial 38000.00 lb |
| Depth to Top Packer:      | 3463.00 ft         |                       |                                | Final 39000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 22.00 ft           |                       |                                |                                    |
| Tool Length:              | 49.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description | Length (ft) | Serial No. | Position | Depth (ft) | Accum. Lengths                |
|------------------|-------------|------------|----------|------------|-------------------------------|
| Shut In Tool     | 5.00        |            |          | 3441.00    |                               |
| Hydraulic tool   | 5.00        |            |          | 3446.00    |                               |
| Jars             | 5.00        |            |          | 3451.00    |                               |
| Safety Joint     | 2.00        |            |          | 3453.00    |                               |
| Packer           | 5.00        |            |          | 3458.00    | 27.00 Bottom Of Top Packer    |
| Packer           | 5.00        |            |          | 3463.00    |                               |
| Stubb            | 1.00        |            |          | 3464.00    |                               |
| Perforations     | 3.00        |            |          | 3467.00    |                               |
| Recorder         | 0.00        | 8018       | Inside   | 3467.00    |                               |
| Recorder         | 0.00        | 8371       | Outside  | 3467.00    |                               |
| Perforations     | 15.00       |            |          | 3482.00    |                               |
| Bullnose         | 3.00        |            |          | 3485.00    | 22.00 Bottom Packers & Anchor |

**Total Tool Length: 49.00**



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36770

**DST#: 5**

ATTN: Tom Fertal

Test Start: 2010.01.29 @ 02:53:57

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

28 deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 64.00 sec/qt

Cushion Volume:

bbl

Water Loss: 7.94 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8000.00 ppm

Filter Cake: inches

## Recovery Information

Recovery Table

| Length<br>ft | Description        | Volume<br>bbl |
|--------------|--------------------|---------------|
| 45.00        | OCM 10%O, 90%M     | 0.221         |
| 40.00        | FREE OIL 95%O, 5%M | 0.197         |
| 0.00         | 90' GIP            | 0.000         |

Total Length:

85.00 ft

Total Volume:

0.418 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

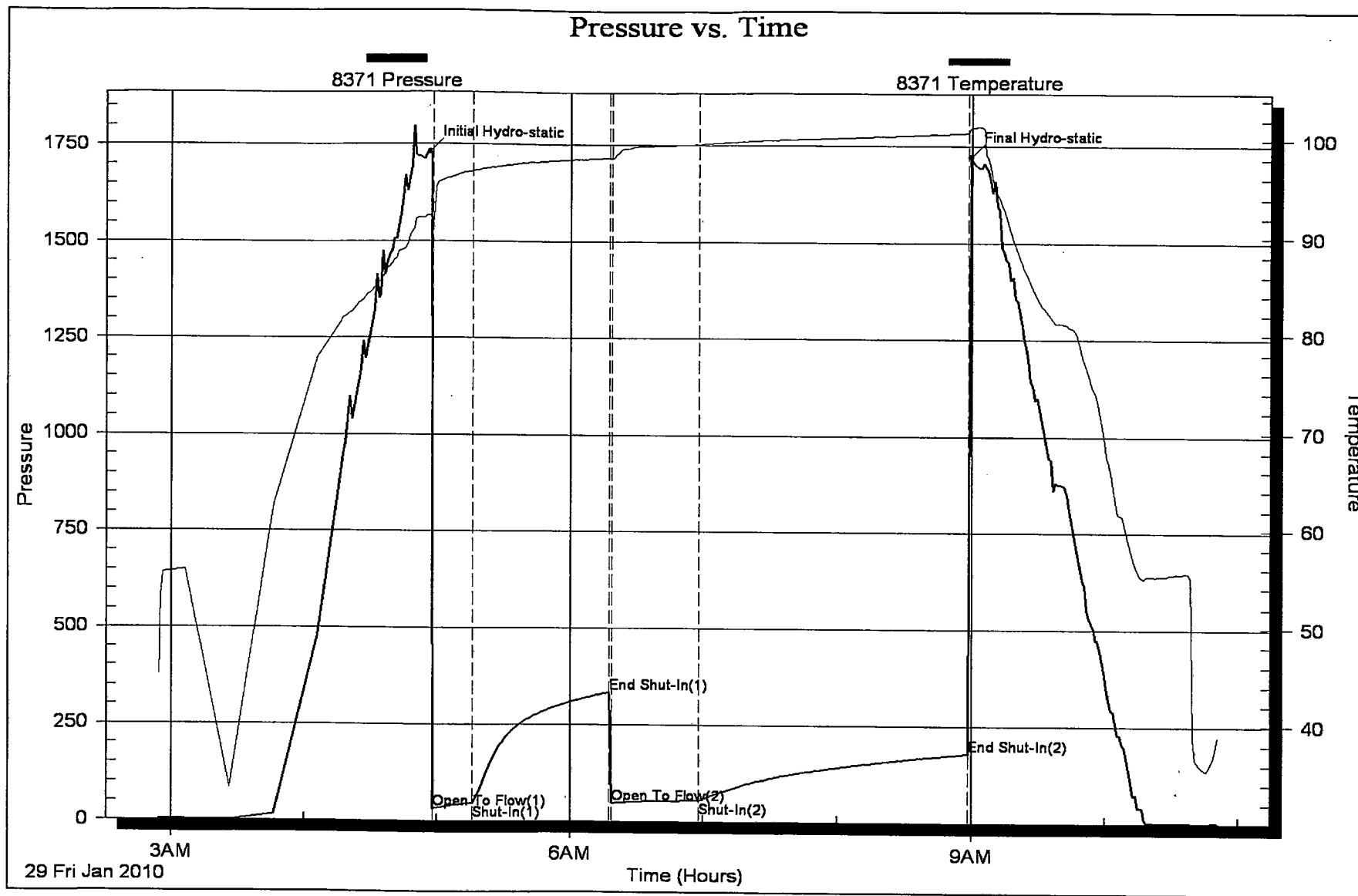
Serial #:

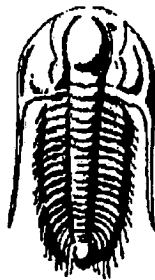
Laboratory Name:

Laboratory Location:

Recovery Comments:







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

## DRILL STEM TEST REPORT

Prepared For: **Samuel Gary Jr & Associates, Inc.**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**32-15s-16w/Ellis**

**Dome 1-32**

Start Date: 2010.01.30 @ 08:08:19

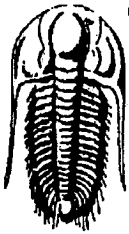
End Date: 2010.01.30 @ 15:26:43

Job Ticket #: 36771                      DST #: 6

Trilobite Testing, Inc

PO Box 1733 Hays, KS 67601

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



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Samuel Gary Jr & Associates, Inc.

1515 Wynkoop St. Ste 700  
Denver, CO 80202

ATTN: Tom Fertal

**Dome 1-32**

**32-15s-16w/Ellis**

Job Ticket: 36771

**DST#: 6**

Test Start: 2010.01.30 @ 08:08:19

## GENERAL INFORMATION:

Formation: **Arbuckle (3)**

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

Time Tool Opened: 10:04:44

Time Test Ended: 15:26:43

Test Type: **Conventional Straddle**

Tester: **Brian Fairbank**

Unit No: **41**

Interval: **3483.00 ft (KB) To 3495.00 ft (KB) (TVD)**

Total Depth: **3580.00 ft (KB) (TVD)**

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

Reference Elevations: **1883.00 ft (KB)**

**1874.00 ft (CF)**

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

**Serial #: 8018**

**Inside**

Press@RunDepth: **155.00 psig @ 3485.00 ft (KB)**

Capacity: **8000.00 psig**

Start Date: **2010.01.30**

End Date:

**2010.01.30**

Last Calib.: **2010.01.30**

Start Time: **08:08:19**

End Time:

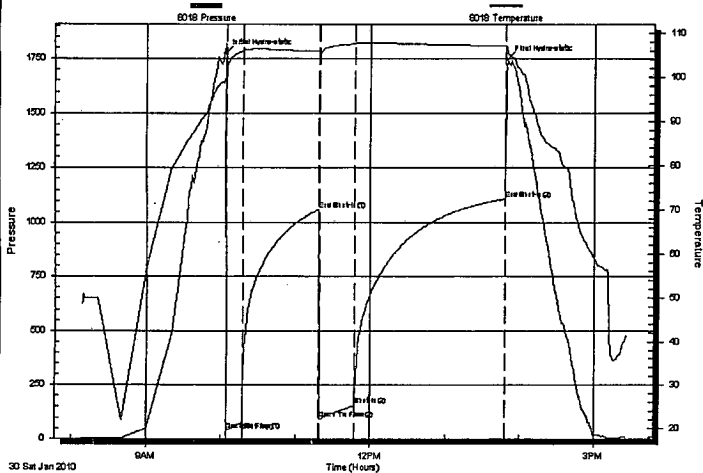
**15:26:43**

Time On Btm: **2010.01.30 @ 10:02:44**

Time Off Btm: **2010.01.30 @ 13:49:43**

**TEST COMMENT:** IFF - BOB 4 1/2 min.  
ISI - sur blow back - died 10 min.  
FFP - BOB 7 min.  
FSI - no blow back

Pressure vs. Time



PRESSURE SUMMARY

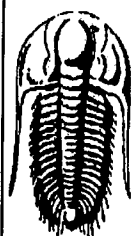
| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1774.90         | 99.60        | Initial Hydro-static |
| 2           | 38.31           | 102.57       | Open To Flow (1)     |
| 15          | 75.37           | 105.97       | Shut-In(1)           |
| 76          | 1058.66         | 105.90       | End Shut-In(1)       |
| 77          | 93.41           | 105.30       | Open To Flow (2)     |
| 105         | 155.00          | 107.53       | Shut-In(2)           |
| 226         | 1107.03         | 107.07       | End Shut-In(2)       |
| 227         | 1749.06         | 105.46       | Final Hydro-static   |

Recovery

| Length (ft) | Description              | Volume (bbl) |
|-------------|--------------------------|--------------|
| 310.00      | MW w / O spts W90%, M10% | 4.35         |
|             |                          |              |
|             |                          |              |
|             |                          |              |
|             |                          |              |

Gas Rates

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



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**TOOL DIAGRAM**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36771

**DST#: 6**

ATTN: Tom Fertal

Test Start: 2010.01.30 @ 08:08:19

**Tool Information**

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 3462.00 ft | Diameter: 3.80 inches | Volume: 48.56 bbl              | Tool Weight: 2500.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 30000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 2.25 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 47000.00 lb  |
|                           |                    |                       | <u>Total Volume: 48.56 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 6.00 ft            |                       |                                | String Weight: Initial 40000.00 lb |
| Depth to Top Packer:      | 3483.00 ft         |                       |                                | Final 42000.00 lb                  |
| Depth to Bottom Packer:   | 3495.00 ft         |                       |                                |                                    |
| Interval between Packers: | 12.00 ft           |                       |                                |                                    |
| Tool Length:              | 129.00 ft          |                       |                                |                                    |
| Number of Packers:        | 3                  | Diameter: 6.75 inches |                                |                                    |

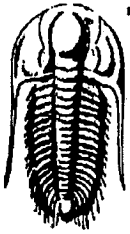
Tool Comments:

**Tool Description**

**Length (ft) Serial No. Position Depth (ft) Accum. Lengths**

|                 |       |      |        |         |                               |
|-----------------|-------|------|--------|---------|-------------------------------|
| Shut In Tool    | 5.00  |      |        | 3461.00 |                               |
| Hydraulic tool  | 5.00  |      |        | 3466.00 |                               |
| Jars            | 5.00  |      |        | 3471.00 |                               |
| Safety Joint    | 2.00  |      |        | 3473.00 |                               |
| Packer          | 5.00  |      |        | 3478.00 | 27.00 Bottom Of Top Packer    |
| Packer          | 5.00  |      |        | 3483.00 |                               |
| Stubb           | 1.00  |      |        | 3484.00 |                               |
| Perforations    | 1.00  |      |        | 3485.00 |                               |
| Recorder        | 0.00  | 8018 | Inside | 3485.00 |                               |
| Perforations    | 5.00  |      |        | 3490.00 |                               |
| Blank Off Sub   | 1.00  |      |        | 3491.00 |                               |
| Blank Spacing   | 4.00  |      |        | 3495.00 | 12.00 Tool Interval           |
| Packer          | 5.00  |      |        | 3500.00 |                               |
| Stubb           | 1.00  |      |        | 3501.00 |                               |
| Perforations    | 19.00 |      |        | 3520.00 |                               |
| Change Over Sub | 1.00  |      |        | 3521.00 |                               |
| Recorder        | 0.00  | 8371 | Below  | 3521.00 |                               |
| Blank Spacing   | 64.00 |      |        | 3585.00 | 90.00 Bottom Packers & Anchor |

**Total Tool Length: 129.00**



**TRILOBITE  
TESTING, INC**

**DRILL STEM TEST REPORT**

**FLUID SUMMARY**

Samuel Gary Jr & Associates, Inc.

**Dome 1-32**

1515 Wynkoop St. Ste 700  
Denver, CO 80202

**32-15s-16w/Ellis**

Job Ticket: 36771

**DST#: 6**

ATTN: Tom Fertal

Test Start: 2010.01.30 @ 08:08:19

**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:

58000 ppm

Viscosity: 55.00 sec/qt

Cushion Volume:

bbl

Water Loss: 8.35 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 8100.00 ppm

Filter Cake: inches

**Recovery Information**

Recovery Table

| Length<br>ft | Description              | Volume<br>bbl |
|--------------|--------------------------|---------------|
| 310.00       | MW w / O spts W90%, M10% | 4.348         |

Total Length: 310.00 ft      Total Volume: 4.348 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments: RW .403 @ 37F = 58000 chlorides

