



KANSAS CORPORATION COMMISSION 1090714  
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 # 33306  
Name: Blake Exploration, LLC  
Address 1: 201 S MAIN  
Address 2: PO BOX 150  
City: BOGUE State: KS Zip: 67625 + \_\_\_\_\_  
Contact Person: mike davignon  
Phone: ( 785 ) 421-2921  
CONTRACTOR: License # 31548  
Name: Discovery Drilling  
Wellsite Geologist: MIKE DAVIGNON  
Purchaser: COFFEYVILLE RESOURCES

Designate Type of Completion:

- New Well     Re-Entry     Workover
- Oil     WSW     SWD     SIOW  
 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>6/30/2011</u>                  | <u>7/6/2011</u> | <u>7/20/2011</u>                        |
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>Recompletion Date |

API No. 15 - 15-163-23937-00-00  
Spot Description: \_\_\_\_\_  
N2 SW SW NW Sec. 34 Twp. 8 S. R. 17  East  West  
2000 Feet from  North /  South Line of Section  
330 Feet from  East /  West Line of Section  
Footages Calculated from Nearest Outside Section Corner:  
 NE  NW  SE  SW  
County: Rooks  
Lease Name: MCMULLEN Well #: 1  
Field Name: \_\_\_\_\_  
Producing Formation: ARBUCKLE  
Elevation: Ground: 2026 Kelly Bushing: 2029  
Total Depth: 3465 Plug Back Total Depth: \_\_\_\_\_  
Amount of Surface Pipe Set and Cemented at: 222 Feet  
Multiple Stage Cementing Collar Used?  Yes  No  
If yes, show depth set: \_\_\_\_\_ Feet  
If Alternate II completion, cement circulated from: 1333  
feet depth to: 0 w/ 150 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 Corbin Date: 08/22/2012



1090714

Operator Name: Blake Exploration, LLC Lease Name: MCMULLEN Well #: 1  
 Sec. 34 Twp. 8 S. R. 17  East  West County: Rooks

**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 type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br>Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>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>R/A GUARD, GR CORR | <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>ANHYDRITE</td> <td>1327</td> <td>+702</td> </tr> <tr> <td>LANSING</td> <td>3164</td> <td>-1135</td> </tr> <tr> <td>BKC</td> <td>3397</td> <td>-1368</td> </tr> <tr> <td>ARBUCKLE</td> <td>3458</td> <td>-1429</td> </tr> </tbody> </table> | Name  | Top | Datum | ANHYDRITE | 1327 | +702 | LANSING | 3164 | -1135 | BKC | 3397 | -1368 | ARBUCKLE | 3458 | -1429 |
|--|--|-------|-----|-------|-----------|------|------|---------|------|-------|-----|------|-------|----------|------|-------|
| Name   | Top  | Datum |     |       |           |      |      |         |      |       |     |      |       |          |      |       |
| ANHYDRITE  | 1327   | +702  |     |       |           |      |      |         |      |       |     |      |       |          |      |       |
| LANSING  | 3164   | -1135 |     |       |           |      |      |         |      |       |     |      |       |          |      |       |
| BKC  | 3397   | -1368 |     |       |           |      |      |         |      |       |     |      |       |          |      |       |
| ARBUCKLE   | 3458   | -1429 |     |       |           |      |      |         |      |       |     |      |       |          |      |       |

| 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                     | 20                | 222           | COM            | 150          |                            |
| PRODUCTION  | 7.625             | 5.5                       | 15.5              | 3456          | ASC            | 125          |                            |

| ADDITIONAL CEMENTING / SQUEEZE RECORD   |                  |                |              |                            |
|---|------------------|----------------|--------------|----------------------------|
| Purpose:  | Depth Top Bottom | Type of Cement | # Sacks Used | Type and Percent Additives |
| <input type="checkbox"/> Perforate<br><input checked="" type="checkbox"/> Protect Casing<br><input type="checkbox"/> Plug Back TD<br><input type="checkbox"/> Plug Off Zone | 0-1333           | LITE           | 225          |                            |
|   | -                |                |              |                            |

| Shots Per Foot | PERFORATION RECORD - Bridge Plugs Set/Type<br>Specify Footage of Each Interval Perforated | Acid, Fracture, Shot, Cement Squeeze Record<br><i>(Amount and Kind of Material Used)</i> | Depth |
|----------------|---|--|-------|
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |
|                |   |  |       |

|  |   |  |
|--|---|--|
| TUBING RECORD: Size: <u>2.875</u> Set At: <u>3450</u> Packer At: _____ |   | Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Date of First, Resumed Production, SWD or ENHR:<br><u>7/25/2011</u>    | Producing Method:<br><input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____ |  |
| Estimated Production Per 24 Hours                                      | Oil Bbls. <u>3</u>  | Gas Mcf <u>3</u> Water Bbls. _____ Gas-Oil Ratio _____ Gravity _____           |

|   |  |  |
|---|--|--|
| DISPOSITION OF GAS:<br><input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease<br><i>(If vented, Submit ACO-18.)</i> | METHOD OF COMPLETION:<br><input checked="" type="checkbox"/> Open Hole <input 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 <i>(Specify)</i> _____ | PRODUCTION INTERVAL:<br><u>3456-3460</u> |
|---|--|--|



# ALLIED CEMENTING CO., LLC. 035903

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

|                                    |                 |                                      |                 |            |                     |                          |                           |
|------------------------------------|-----------------|--------------------------------------|-----------------|------------|---------------------|--------------------------|---------------------------|
| DATE <u>7/6/11</u>                 | SEC. <u>34</u>  | TWP. <u>8</u>                        | RANGE <u>17</u> | CALLED OUT | ON LOCATION         | JOB START <u>6:00 AM</u> | JOB FINISH <u>6:30 AM</u> |
| LEASE <u>McMuller</u>              | WELL # <u>1</u> | LOCATION <u>Starkville 6N4 1/2 E</u> |                 |            | COUNTY <u>Leake</u> | STATE <u>KS</u>          |                           |
| OLD OR NEW (Circle one) <u>NEW</u> |                 | <u>1/2 5 Birt</u>                    |                 |            |                     |                          |                           |

CONTRACTOR Discovery Drilling Co #1 OWNER \_\_\_\_\_

TYPE OF JOB Production String

HOLE SIZE 2 3/8 T.D. 3462

CASING SIZE 5 1/2 DEPTH 3456

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL Port Collar DEPTH 1390

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 14.62

CEMENT LEFT IN CSG. 14.62

PERFS. \_\_\_\_\_

DISPLACEMENT 83,976.1

CEMENT AMOUNT ORDERED 170 Can 103.50 ft

22 Gal

500 Gal WFR-2

|          |                      |                |                      |
|----------|----------------------|----------------|----------------------|
| COMMON   | <u>170</u>           | @ <u>16.25</u> | <u>2762.50</u>       |
| POZMIX   |                      | @              |                      |
| GEL      | <u>3</u>             | @ <u>21.25</u> | <u>63.75</u>         |
| CHLORIDE |                      | @              |                      |
| ASC      |                      | @              |                      |
|          | <u>Salt 15</u>       | @ <u>23.95</u> | <u>359.25</u>        |
|          | <u>WFR-2 500 Gal</u> | @ <u>1.10</u>  | <u>550.00</u>        |
|          |                      | @              |                      |
|          |                      | @              |                      |
|          |                      | @              |                      |
|          |                      | @              |                      |
| HANDLING | <u>188</u>           | @ <u>2.25</u>  | <u>423.00</u>        |
| MILEAGE  | <u>111.84/mi.</u>    | @              | <u>930.60</u>        |
|          |                      |                | TOTAL <u>5089.10</u> |

EQUIPMENT

PUMP TRUCK CEMENTER Shane

# 417 HELPER Woody

BULK TRUCK

# 410 DRIVER Ron

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

REMARKS:

Rot Hole Pointe Mains Hsk 15.42  
Insert @ 3442, 53 Mixed 500 Gal WFR-2  
Mixes 125 sks down 5 1/2  
Replaced pump & lines.  
Displaced 83,976.1.

Landed Plug C 1500 PPS  
Float Held.

SERVICE

|                   |               |               |                      |
|-------------------|---------------|---------------|----------------------|
| DEPTH OF JOB      |               |               |                      |
| PUMP TRUCK CHARGE |               | @             | <u>2225.00</u>       |
| EXTRA FOOTAGE     |               | @             |                      |
| MILEAGE           | <u>90</u>     | @ <u>7.00</u> | <u>630.00</u>        |
| MANIFOLD          |               | @             |                      |
|                   | <u>CUN 90</u> | @ <u>4.00</u> | <u>360.00</u>        |
|                   |               | @             |                      |
|                   |               |               | TOTAL <u>3215.00</u> |

CHARGE TO: Stake Exploration

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

PLUG & FLOAT EQUIPMENT

|                       |                 |                      |
|-----------------------|-----------------|----------------------|
| <u>Triplex Shoe</u>   | @               | <u>1621.00</u>       |
| <u>5' Centralizer</u> | @ <u>34.00</u>  | <u>170.00</u>        |
| <u>3' - Packers</u>   | @ <u>236.00</u> | <u>708.00</u>        |
| <u>Catch board</u>    | @               | <u>194.00</u>        |
| <u>Port Collar</u>    | @               | <u>1820.00</u>       |
|                       |                 | TOTAL <u>4513.00</u> |

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 12,817.10

DISCOUNT 209. IF PAID IN 30 DAYS

PRINTED NAME \_\_\_\_\_

SIGNATURE [Signature]

# ALLIED CEMENTING CO., LLC. 035926

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:

Russell

|                         |                |                 |                                    |            |                     |                           |                            |
|-------------------------|----------------|-----------------|------------------------------------|------------|---------------------|---------------------------|----------------------------|
| DATE <u>7/13/9</u>      | SEC. <u>34</u> | TWP. <u>P</u>   | RANGE <u>17W</u>                   | CALLED OUT | ON LOCATION         | JOB START <u>10:00 AM</u> | JOB FINISH <u>10:30 AM</u> |
| LEASE <u>McMullen</u>   |                | WELL # <u>1</u> | LOCATION <u>Plains, Ne 4 1/2 E</u> |            | COUNTY <u>Roake</u> | STATE <u>KS</u>           |                            |
| OLD OR NEW (Circle one) |                |                 | <u>6N Fifth</u>                    |            |                     |                           |                            |

CONTRACTOR Murkin Drilling OWNER \_\_\_\_\_  
 TYPE OF JOB P.C. Circulate Cement  
 HOLE SIZE \_\_\_\_\_ T.D. \_\_\_\_\_  
 CASING SIZE 5 7/8 DEPTH \_\_\_\_\_  
 TUBING SIZE 2 3/8 DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL Port Collar DEPTH 1339'  
 PRES. MAX 1000 psi MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT T 6.5 bbl

CEMENT AMOUNT ORDERED 225 Cite 1/4 Fl.

|                            |   |              |                |
|----------------------------|---|--------------|----------------|
| COMMON                     | @ | _____        | _____          |
| POZMIX                     | @ | _____        | _____          |
| GEL                        | @ | _____        | _____          |
| CHLORIDE                   | @ | _____        | _____          |
| ASC                        | @ | _____        | _____          |
|                            | @ | _____        | _____          |
| <u>Cite 225</u>            | @ | <u>14.50</u> | <u>3262.50</u> |
|                            | @ | _____        | _____          |
| <u>Fl. Sol 56 #</u>        | @ | <u>2.70</u>  | <u>1512.00</u> |
|                            | @ | _____        | _____          |
|                            | @ | _____        | _____          |
|                            | @ | _____        | _____          |
|                            | @ | _____        | _____          |
| HANDLING <u>225</u>        | @ | <u>2.25</u>  | <u>506.25</u>  |
| MILEAGE <u>111.84/mile</u> |   |              | <u>1113.75</u> |
| TOTAL                      |   |              | <u>5033.70</u> |

EQUIPMENT

|                         |                             |
|-------------------------|-----------------------------|
| PUMP TRUCK # _____      | CEMENTER <u>Shane Hault</u> |
|                         | HELPER <u>Ron</u>           |
| BULK TRUCK # <u>451</u> | DRIVER <u>Tony</u>          |
| BULK TRUCK # _____      | DRIVER _____                |

REMARKS:  
Port Collar @ 1339' Tested tests  
to 1000 psi. Opened P.C.  
Est. Circulation. Mixed  
225 Sls. Cement Circulated  
Displaced 6.5 bbl. Closed P.C.  
Tested to 1000 psi. Held.  
Ran 5 sts. Washed Clean  
Came out at Hole

CHARGE TO: Blake Exploration  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**SERVICE**

|                      |       |                |
|----------------------|-------|----------------|
| DEPTH OF JOB         | _____ | _____          |
| PUMP TRUCK CHARGE    | _____ | <u>1250.00</u> |
| EXTRA FOOTAGE        | @     | _____          |
| MILEAGE <u>90</u>    | @     | <u>7.00</u>    |
| MANIFOLD             | @     | _____          |
| <u>W/L</u> <u>90</u> | @     | <u>4.00</u>    |
|                      | @     | _____          |
| TOTAL <u>2240.00</u> |       |                |

**PLUG & FLOAT EQUIPMENT**

|             |   |       |
|-------------|---|-------|
| _____       | @ | _____ |
| _____       | @ | _____ |
| _____       | @ | _____ |
| _____       | @ | _____ |
| _____       | @ | _____ |
| TOTAL _____ |   |       |

To Allied Cementing Co., LLC.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL

CALCULATE (IF ANY)



**TRILOBITE  
TESTING, INC**

## DRILL STEM TEST REPORT

Blake Exploration LLC

McMullen #1

PO Box 150  
Bogue KS 67625

34-8s-17w Rook, KS

ATTN: Mike Davignon

Job Ticket: 44180 DST#: 1

Test Start: 2011.07.04 @ 03:33:46

### GENERAL INFORMATION:

Formation: Lansing-C-F

Deviated: No Whipstock ft (KB)

Time Tool Opened: 05:23:16

Time Test Ended: 09:43:46

Test Type: Conventional Bottom Hole

Tester: Jeff Brown

Unit No: 44

Interval: 3185.00 ft (KB) To 3250.00 ft (KB) (TVD)

Total Depth: 3250.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2029.00 ft (KB)

2021.00 ft (CF)

KB to GRCP: 8.00 ft

Serial #: 8321

Inside

Press@RunDepth: 48.76 psig @ 3228.00 ft (KB)

Start Date: 2011.07.04

End Date:

2011.07.04

Start Time: 03:33:47

End Time:

09:43:46

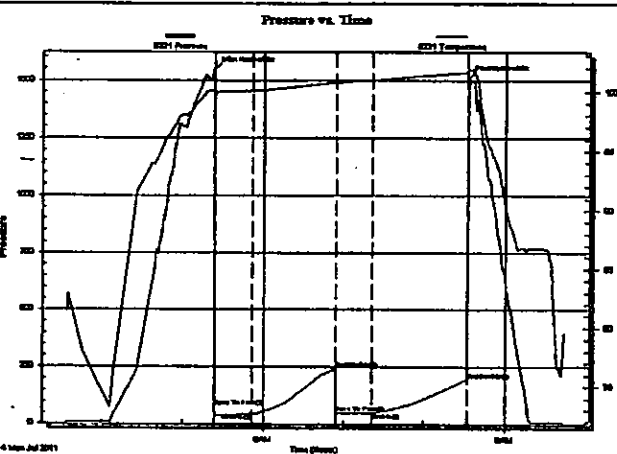
Capacity: 8000.00 psig

Last Calib.: 2011.07.04

Time On Btm: 2011.07.04 @ 05:22:48

Time Off Btm: 2011.07.04 @ 08:32:46

TEST COMMENT: IFF-Weak blow built to 1 1/8 in  
ISI-Dead no blow back  
FFP-Weak blow built to 1 1/2 in  
FSI-Dead no blow back



### PRESSURE SUMMARY

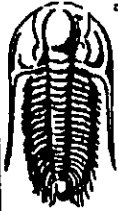
| Time (Min) | Pressure (psig) | Temp (deg F) | Annotation           |
|------------|-----------------|--------------|----------------------|
| 0          | 1544.92         | 100.22       | Initial Hydro-static |
| 1          | 77.55           | 99.44        | Open To Flow (1)     |
| 29         | 43.72           | 100.05       | Shut-In(1)           |
| 91         | 239.27          | 100.75       | End Shut-In(1)       |
| 92         | 48.45           | 100.72       | Open To Flow (2)     |
| 118        | 48.76           | 100.98       | Shut-In(2)           |
| 189        | 194.93          | 101.61       | End Shut-In(2)       |
| 190        | 1507.69         | 101.85       | Final Hydro-static   |

### Recovery

| Length (ft) | Description   | Volume (bbl) |
|-------------|---------------|--------------|
| 20.00       | OCM 20% O80%M | 0.10         |
|             |               |              |
|             |               |              |
|             |               |              |
|             |               |              |

### Gas Rates

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



**TRIOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Blake Exploration LLC

McMullen #1

PO Box 150  
Bogue KS 67625

34-8s-17w Rook, KS

Job Ticket: 44181 DST#: 2

ATTN: Mike Davignon

Test Start: 2011.07.04 @ 14:46:20

## GENERAL INFORMATION:

Formation: LKC-G  
Daviated: No Whipstock ft (KB)  
Time Tool Opened: 16:02:20  
Time Test Ended: 21:15:20

Test Type: Conventional Bottom Hole  
Tester: Jeff Brown  
Unit No: 44

Interval: 3250.00 ft (KB) To 3270.00 ft (KB) (TVD)  
Total Depth: 3270.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 2029.00 ft (KB)  
2021.00 ft (CF)  
KB to GR/CF: 8.00 ft

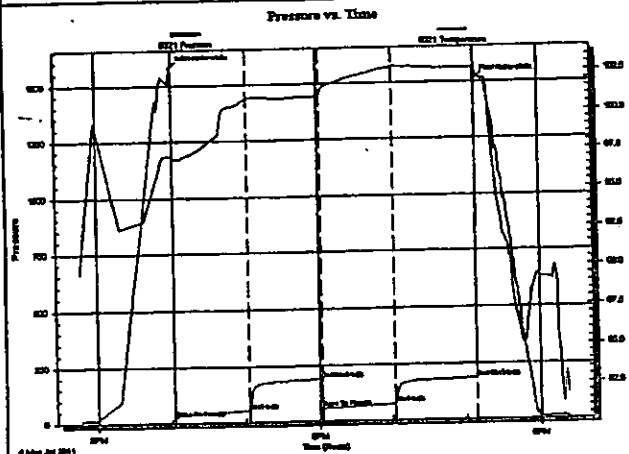
Serial #: 8321

Inside

Press@RunDepth: 72.03 psig @ 3252.00 ft (KB)  
Start Date: 2011.07.04 End Date: 2011.07.04  
Start Time: 14:46:21 End Time: 21:23:20

Capacity: 8000.00 psig  
Last Calib.: 2011.07.04  
Time On Btm: 2011.07.04 @ 16:00:50  
Time Off Btm: 2011.07.04 @ 20:06:50

TEST COMMENT: FFP-Fair blow built to 6 in  
ISI-Dead no blow back  
FFP-Fair blow built to 4 in  
FSI-Dead no blow back



## PRESSURE SUMMARY

| Time (Mn.) | Pressure (psig) | Temp (deg F) | Annotation           |
|------------|-----------------|--------------|----------------------|
| 0          | 1578.02         | 97.23        | Initial Hydro-static |
| 2          | 20.93           | 96.91        | Open To Flow (1)     |
| 62         | 51.87           | 100.90       | Shut-In(1)           |
| 121        | 185.63          | 100.97       | End Shut-In(1)       |
| 122        | 55.88           | 101.02       | Open To Flow (2)     |
| 182        | 72.03           | 102.61       | Shut-In(2)           |
| 248        | 183.14          | 102.70       | End Shut-In(2)       |
| 248        | 1511.90         | 102.98       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                        | Volume (bbl) |
|-------------|------------------------------------|--------------|
| 8.00        | M/V 40% M 60% W                    | 0.04         |
| 61.00       | M/V with a scum of oil 20% M 80% W | 0.68         |
|             |                                    |              |
|             |                                    |              |
|             |                                    |              |

## Gas Rates

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

