



KANSAS CORPORATION COMMISSION 1065676  
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 # \_\_\_\_\_

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

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

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

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

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 #: \_\_\_\_\_

Spud Date or Recompletion Date      Date Reached TD      Completion Date or Recompletion Date

API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

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

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

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

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

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

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

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: \_\_\_\_\_ Date: \_\_\_\_\_



1065676

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**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 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 type="checkbox"/> No<br><br>Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No<br>Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No<br><i>(If no, Submit Copy)</i><br><br>List All E. Logs Run: | <input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample<br><br>Name Top Datum |
|---|---|

| CASING RECORD <input 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 |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |
|   |                   |                           |                   |               |                |              |                            |

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

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

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

|                                   |           |         |             |               |         |
|-----------------------------------|-----------|---------|-------------|---------------|---------|
| Estimated Production Per 24 Hours | Oil Bbls. | Gas Mcf | 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 type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled<br><i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i><br><input type="checkbox"/> Other (Specify) _____ | PRODUCTION INTERVAL:<br>_____<br>_____ |
|---|---|--|

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | L. D. Drilling, Inc.   |
| Well Name | BILL 1-26              |
| Doc ID    | 1065676                |

Tops

| Name             | Top  | Datum |
|------------------|------|-------|
| TOPEKA           | 2834 | -979  |
| HEEBNER          | 3112 | -1267 |
| BROWN LIME       | 3241 | -1396 |
| LANSING          | 3260 | -1415 |
| BASE KANSAS CITY | 3490 | -1645 |
| VIOLA            | 3516 | -1671 |
| SIMPSON SHALE    | 3552 | -1707 |
| ARBUCKLE         | 3599 | -1754 |

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | L. D. Drilling, Inc.   |
| Well Name | BILL 1-26              |
| Doc ID    | 1065676                |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | Number of Sacks Used | Tyep and Percent Additives |
|-------------------|-------------------|-----------------|--------|---------------|----------------|----------------------|----------------------------|
| SURFACE           | 12.25             | 8.625           | 24     | 341           | A-CON BLEND    | 175                  | 3%CC,.25 #CF               |
| SURFACE -CONT     | 12.25             | 8.625           | 24     | 341           | COMMON         | 175                  | 2%CC,.25 #CF               |
| PRODUC TION       | 7.875             | 5.5             | 14     | 3698          | COMMON         | 150                  |                            |
| RATHOLE           | 7.875             | 5.5             | 14     | 3698          | 60/40 POZMIX   | 30                   |                            |



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

10244 NE Hwy. 61  
P.O. Box 8613  
Pratt, Kansas 67124  
Phone 620-672-1261

FIELD SERVICE TICKET

1718 04822 A

26-215-12W

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

|   |                           |                                   |                                   |  |                              |                              |                     |    |      |
|---|---------------------------|-----------------------------------|-----------------------------------|--|------------------------------|------------------------------|---------------------|----|------|
| DATE OF JOB<br>9-15-11                  | DISTRICT<br>Pratt, Kansas | NEW WELL <input type="checkbox"/> | OLD WELL <input type="checkbox"/> | PROD <input type="checkbox"/>                    | INJ <input type="checkbox"/> | WDW <input type="checkbox"/> | CUSTOMER ORDER NO.: |    |      |
| CUSTOMER<br>L.D. Drilling, Incorporated |                           | LEASE<br>Bill                     |                                   |  |                              | WELL NO.<br>1-26             |                     |    |      |
| ADDRESS                                 |                           | COUNTY<br>Stafford                |                                   | STATE<br>Kansas                                  |                              |                              |                     |    |      |
| CITY                                    |                           | STATE                             |                                   | SERVICE CREW<br>C. Messick, M. Mattal, Jr Hunter |                              |                              |                     |    |      |
| AUTHORIZED BY                           |                           | JOB TYPE<br>C.N.W. - Surface      |                                   |  |                              |                              |                     |    |      |
| EQUIPMENT#                              | HRS                       | EQUIPMENT#                        | HRS                               | EQUIPMENT#                                       | HRS                          | TRUCK CALLED                 | DATE                | AM | TIME |
| 37,276                                  | .75                       |                                   |                                   |  |                              |                              | 9-15-11             | PM | 3:30 |
|   |                           |                                   |                                   |  |                              | ARRIVED AT JOB               |                     | PM | 4:45 |
| 19903-19905                             | .75                       |                                   |                                   |  |                              | START OPERATION              |                     | PM | 7:00 |
|   |                           |                                   |                                   |  |                              | FINISH OPERATION             |                     | PM | 7:45 |
| 19831-19862                             | .75                       |                                   |                                   |  |                              | RELEASED                     | 9-15-11             | AM | 8:00 |
|   |                           |                                   |                                   |  |                              | MILES FROM STATION TO WELL   |                     |    | 45   |

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

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

SIGNED: *[Signature]*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| P CP 101            | A-CON Blend Cement                    | SK   | 175      | \$         | 3,150.00  |
| P CP 100            | Common Cement                         | SK   | 175      | \$         | 2,800.00  |
| P CC 102            | Cellflake                             | Lb   | 88       | \$         | 325.60    |
| P CC 109            | Calcium Chloride                      | Lb   | 825      | \$         | 866.25    |
| P CF 153            | Wooden Plug, 8 5/8"                   | ea   | 1        | \$         | 160.00    |
| P E 100             | Pickup Mileage                        | mi   | 45       | \$         | 191.25    |
| P E 101             | Heavy Equipment Mileage               | mi   | 90       | \$         | 630.00    |
| P E 113             | Bulk Delivery                         | tm   | 743      | \$         | 1,188.00  |
| P CE 200            | Cement Pump: 0 Feet To 500 Feet       | hrs  | 4        | \$         | 1,000.00  |
| P CE 240            | Blending and Mixing Service           | SK   | 350      | \$         | 490.00    |
| P CE 504            | Plug Container # 3                    | Job  | 1        | \$         | 250.00    |
| P 5003              | Service Supervisor                    | hrs  | 8        | \$         | 175.00    |

SUB TOTAL  
DLS \$8,868.62

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

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

SERVICE REPRESENTATIVE  
*[Signature]*

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

FIELD SERVICE ORDER NO.



|   |                          |                                 |
|---|--------------------------|---------------------------------|
| Customer<br>L.D. Drilling, Incorporated | Lease No.<br>Well # 1-26 | Date<br>9-15-11                 |
| Lease<br>Bill                           | Field Order #<br>4822    | Station<br>Pratt, Kansas        |
| Type Job<br>C.N.W. - Surface            | Casing<br>8 5/8" 24lb    | Depth<br>342 Feet               |
|   | County<br>Stafford       | State<br>Kansas                 |
|   | Formation                | Legal Description<br>26-215-12W |

| PIPE DATA                         |                                   | PERFORATING DATA |                  | CEMENT FLUID USED            |                               | TREATMENT RESUME |       |                  |
|-----------------------------------|-----------------------------------|------------------|------------------|------------------------------|-------------------------------|------------------|-------|------------------|
| Casing Size<br>8 5/8" 24 Lb./Ft.  | Tubing Size<br>2 1/2" 9.5 Lb./Ft. | Shots/Ft         | 175 sacks        | Acid<br>A-con with           | 38 Calcium Chloride           | RATE             | PRESS | ISIP             |
| Depth<br>342 Feet                 | Depth                             | From             | To 12.6 Lb./Gal. | Pre Pad<br>11.89 Gal         | Max<br>15 ft. 2.12 CU FT./ft. |                  |       | 5 Min.           |
| Volume<br>21.8 Bbl.               | Volume                            | From             | To 175 sacks     | Common with 2                | Min<br>Calcium Chloride .25   |                  |       | 10 Min.          |
| Max Press<br>400 P.S.I.           | Max Press                         | From             | To 15.6 Lb./Gal. | 5.23 Gal.                    | Avg<br>1.20                   |                  |       | 15 Min.          |
| Well Connection<br>Plug container | Annulus Vol.                      | From             | To               |                              | HHP Used                      |                  |       | Annulus Pressure |
| Plug Depth<br>22 Feet             | Packer Depth                      | From             | To               | Flush<br>21 Bbl. Fresh Water | Gas Volume                    |                  |       | Total Load       |

|  |                                |                                |
|--|--------------------------------|--------------------------------|
| Customer Representative<br>Jim Nichols | Station Manager<br>David Scott | Treater<br>Clarence R. Messick |
| Service Units<br>37216                 | 19903                          | 19905                          |
| Driver Names<br>Messick                | Mattal                         | Hunter                         |

| Time | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log  |
|------|-----------------|-----------------|--------------|------|--|
| 4:45 |                 |                 |              |      | Trucks on location and hold safety meeting.                            |
| 6:05 |                 |                 |              |      | Petromark Drilling start to run 8 Joints new 24 Lb./Ft. 8 5/8" casing. |
| 6:50 |                 |                 |              |      | Casing in well. Circulate for 5 minutes.                               |
| 7:00 | 350             |                 |              | 5    | Start Fresh Water Pre-Flush.   |
| 7:02 | 350             |                 | 10           | 6    | Start mixing 175 sacks A-con Blend cement.                             |
|      | 200             |                 | 76           | 5    | Start mixing 175 sacks Common cement.                                  |
|      | -0-             |                 | 113          |      | Stop pumping. Shut in well. Release Wooden Plug. Open Well.            |
| 7:20 | 100             |                 |              | 5    | Start Fresh Water Displacement.  |
| 7:30 | 400             |                 | 21           |      | Plug down. Shut in well.   |
|      |                 |                 |              |      | Circulated 10 sacks cement to the pit.                                 |
|      |                 |                 |              |      | Wash up pump truck.  |
|      |                 |                 |              |      | Job Complete.  |
|      |                 |                 |              |      | Thank You.   |
|      |                 |                 |              |      | Clarence, Milte, Jr  |



**BASIC**<sup>SM</sup>  
ENERGY SERVICES  
PRESSURE PUMPING & WIRELINE

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

FIELD SERVICE TICKET

1718 05080 A

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

| DATE OF JOB<br><b>9-22-11</b>    | DISTRICT<br><b>PRATT KS</b> | NEW WELL <input checked="" type="checkbox"/> | OLD WELL <input type="checkbox"/> | PROD <input type="checkbox"/>                 | INJ <input type="checkbox"/> | WDW <input type="checkbox"/> | CUSTOMER ORDER NO.: |    |    |              |
|----------------------------------|-----------------------------|--|-----------------------------------|---|------------------------------|------------------------------|---------------------|----|----|--------------|
| CUSTOMER<br><b>L.O. Drilling</b> |                             | LEASE<br><b>BILL</b>                         |                                   | 1-26  |                              | WELL NO.                     |                     |    |    |              |
| ADDRESS                          |                             |  |                                   | COUNTY<br><b>STAFFORD</b>                     |                              | STATE<br><b>KS</b>           |                     |    |    |              |
| CITY                             |                             |  |                                   | STATE   |                              |                              |                     |    |    |              |
| AUTHORIZED BY                    |                             |  |                                   | SERVICE CREW<br><b>Sullivan, Melton, Pyle</b> |                              |                              |                     |    |    |              |
|                                  |                             |  |                                   | JOB TYPE:<br><b>CNW 5 1/2 L.S.</b>            |                              |                              |                     |    |    |              |
| EQUIPMENT#                       | HRS                         | EQUIPMENT#                                   | HRS                               | EQUIPMENT#                                    | HRS                          | TRUCK CALLED                 | DATE                | AM | PM | TIME         |
| <b>33708 - 20920</b>             | <b>40 min</b>               |  |                                   |   |                              | <b>9-22-11</b>               |                     |    |    |              |
| <b>19960 - 19918</b>             | <b>40 min</b>               |  |                                   |   |                              |                              |                     |    |    |              |
| <b>32900</b>                     |                             |  |                                   |   |                              |                              |                     |    |    |              |
|                                  |                             |  |                                   |   |                              | ARRIVED AT JOB               |                     |    |    | <b>10:00</b> |
|                                  |                             |  |                                   |   |                              | START OPERATION              |                     |    |    | <b>2:25</b>  |
|                                  |                             |  |                                   |   |                              | FINISH OPERATION             |                     |    |    | <b>1:00</b>  |
|                                  |                             |  |                                   |   |                              | RELEASED                     |                     |    |    | <b>1:30</b>  |
|                                  |                             |  |                                   |   |                              | MILES FROM STATION TO WELL   |                     |    |    | <b>45</b>    |

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

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

SIGNED: *F D Davis*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP 100              | Common cut                            | SK   | 150      |            | 2,400.00  |
| CP 103              | 60/40 pos cut                         | SK   | 30       |            | 360.00    |
| CC 113              | CAL. Sat                              | lb   | 205      |            | 528.75    |
| CC 200              | CAL. gel                              | lb   | 282      |            | 70.50     |
| CF 103              | TOP Rubber Plug 5 1/2"                | SA   | 1        |            | 105.00    |
| CF 251              | quid shoe                             | SA   | 1        |            | 250.00    |
| CF 1451             | INSERT HOPE                           | SA   | 1        |            | 215.00    |
| CF 1651             | Turbobits                             | SA   | 6        |            | 660.00    |
| CC 151              | mud thick                             | gal  | 1000     |            | 860.00    |
| P 100               | padding material                      | mi   | 45       |            | 191.25    |
| P 101               | Heavy sand mi                         | mi   | 90       |            | 630.00    |
| P 113               | Bulk Pellets                          | tm   | 326      |            | 601.20    |
| CE 204              | Deth charge 3001-4600                 | SA   | 1        |            | 2,160.00  |
| CE 240              | Bleeding - m.d.                       | SK   | 180      |            | 252.00    |
| CE 504              | plug compound 4042                    | SA   | 1        |            | 250.00    |
| 5003                | Schmid Superum                        | SA   | 1        |            | 175.00    |
| SUB TOTAL           |                                       |      |          |            |           |

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

|                     |            |                 |
|---------------------|------------|-----------------|
| SERVICE & EQUIPMENT | %TAX ON \$ |                 |
| MATERIALS           | %TAX ON \$ |                 |
| TOTAL               |            | <b>7,669.87</b> |

|   |  |
|---|--|
| SERVICE REPRESENTATIVE<br><i>Robert Johnson</i> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY:<br><i>F D Davis</i><br>(WELL OWNER OPERATOR CONTRACTOR OR AGENT) |
|---|--|

FIELD SERVICE ORDER NO.



|                                      |                            |                                      |
|--------------------------------------|----------------------------|--------------------------------------|
| Customer<br><i>L. D. Drilling</i>    | Lease No.                  | Date<br><i>9-22-11</i>               |
| Lease<br><i>Bill</i>                 | Well #<br><i>1-26</i>      |                                      |
| Field Order #<br><i>5090</i>         | Station<br><i>Pratt KS</i> | Casing<br><i>5 1/2</i>               |
|                                      |                            | Depth<br><i>3698'</i>                |
| Type Job<br><i>GNW 5 1/2 Layside</i> | Formation                  | County<br><i>STAFFORD</i>            |
|                                      |                            | State<br><i>KS</i>                   |
|                                      |                            | Legal Description<br><i>26-21-12</i> |

| PIPE DATA                      |              | PERFORATING DATA |    | FLUID USED |            | TREATMENT RESUME |       |                  |
|--------------------------------|--------------|------------------|----|------------|------------|------------------|-------|------------------|
| Casing Size<br><i>5 1/2</i>    | Tubing Size  | Shots/Ft         |    | Acid       |            | RATE             | PRESS | ISIP             |
| Depth<br><i>3698'</i>          | Depth        | From             | To | Pre Pad    | Max        |                  |       | 5 Min.           |
| Volume<br><i>70</i>            | Volume       | From             | To | Pad        | Min        |                  |       | 10 Min.          |
| Max Press<br><i>1500</i>       | Max Press    | From             | To | Frac       | Avg        |                  |       | 15 Min.          |
| Well Connection<br><i>P.C.</i> | Annulus Vol. | From             | To |            | HHP Used   |                  |       | Annulus Pressure |
| Plug Depth<br><i>3688'</i>     | Packer Depth | From             | To | Flush      | Gas Volume |                  |       | Total Load       |

|                         |                                      |                                   |
|-------------------------|--------------------------------------|-----------------------------------|
| Customer Representative | Station Manager<br><i>DAVE SCOTT</i> | Treater<br><i>Robert Sullivan</i> |
|-------------------------|--------------------------------------|-----------------------------------|

|                |                 |               |              |              |                |              |  |  |  |
|----------------|-----------------|---------------|--------------|--------------|----------------|--------------|--|--|--|
| Service Units: | <i>37900</i>    | <i>33708</i>  | <i>20920</i> | <i>18960</i> | <i>19918</i>   | <i>19907</i> |  |  |  |
| Driver Names   | <i>Sullivan</i> | <i>Molson</i> |              | <i>Phye</i>  | <i>Gordley</i> |              |  |  |  |

| Time         | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate       | Service Log   |
|--------------|-----------------|-----------------|--------------|------------|---|
| <i>10:00</i> |                 |                 |              |            | <i>on huc safety meeting</i>                            |
|              |                 |                 |              |            | <i>Run 88-STS 5 1/2" 14 csg cont. 1, 3, 5, 7, 9, 11</i> |
| <i>11:40</i> |                 |                 |              |            | <i>CASING on Bottom</i>                                 |
| <i>11:45</i> |                 |                 |              |            | <i>Hook Rig circ.</i>                                   |
| <i>12:25</i> | <i>300</i>      |                 | <i>24</i>    | <i>4</i>   | <i>St mud flush</i>                                     |
|              |                 |                 | <i>5</i>     |            | <i>St spacer</i>  |
|              |                 |                 |              | <i>5.5</i> | <i>mix cont 150 &amp; cement 14.2, 23%</i>              |
|              |                 |                 | <i>38</i>    |            | <i>cont mix shut down wash, pump down</i>               |
|              |                 |                 |              |            | <i>Release Plug</i>                                     |
|              |                 |                 |              | <i>4.5</i> | <i>St Disp</i>  |
|              | <i>250</i>      |                 | <i>58</i>    |            | <i>litt psi</i>   |
|              |                 |                 | <i>85</i>    | <i>3</i>   | <i>slow rate</i>  |
| <i>1:00</i>  | <i>1450</i>     |                 | <i>90</i>    |            | <i>plug down</i>  |
|              |                 |                 | <i>6</i>     |            | <i>plug R.H. w/ 30 st 60/40 per cont</i>                |
|              |                 |                 |              |            | <i>JOB Complete</i>                                     |

*Thank you*



UNITED STATES GEOLOGICAL SURVEY  
 Petroleum Geologist  
 212 Main St. • P.O. Box 215 • Chaffin, KS 67528 (620) 587-3444  
 Home

# GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

|   |                       |                                   |            |
|---|-----------------------|-----------------------------------|------------|
| COMPANY <u>LD Drilling Co.</u>                |                       | ELEVATIONS                        |            |
| LEASE <u>Bill #1-26</u>                       |                       | KB <u>1845</u>                    |            |
| FIELD <u>Max North</u>                        |                       | DF _____                          |            |
| LOCATION <u>Se-Se-Sub-N1/2</u>                |                       | GL <u>1840</u>                    |            |
| SEC <u>26</u>                                 | TWSP <u>21</u>        | ROE <u>12</u>                     |            |
| COUNTY <u>Stafford</u>                        |                       | STATE <u>Kansas</u>               |            |
| CONTRACTOR <u>Petroleum Drilling (G#2)</u>    |                       |                                   |            |
| SPUD _____                                    | COMP <u>9/22/2011</u> | CASING SURFACE <u>8 7/8" @ 3W</u> |            |
| RTD <u>3700</u>                               | LTD <u>3703</u>       | PRODUCTION _____                  |            |
| MUD UP _____                                  | TYPE MUD _____        | ELECTRICAL SURVEYS _____          |            |
| SAMPLES SAVED FROM _____ <u>2700</u>          |                       | TO <u>3700</u>                    |            |
| DRILLING TIME KEPT FROM _____ <u>2700</u>     |                       | TO <u>3700</u>                    | <u>PSD</u> |
| SAMPLES EXAMINED FROM _____ <u>2700</u>       |                       | TO <u>3700</u>                    |            |
| GEOLOGICAL SUPERVISION FROM _____ <u>2980</u> |                       | TO <u>3700</u>                    |            |
| GEOLOGIST ON WELL <u>Josh Austin</u>          |                       |                                   |            |
| FORMATION TOPS                                | LOGS                  | SAMPLES                           |            |
| <u>Topsoil</u>                                | <u>2824 - 974</u>     |                                   |            |
| <u>Hebner</u>                                 | <u>3112 - 1267</u>    |                                   |            |
| <u>Shawn Lime</u>                             | <u>3241 - 1396</u>    |                                   |            |
| <u>Lambert</u>                                | <u>3262 - 1415</u>    |                                   |            |
| <u>Boate Kansas City</u>                      | <u>3490 - 1645</u>    |                                   |            |
| <u>Wale</u>                                   | <u>3516 - 1671</u>    |                                   |            |
| <u>Shannon Sh.</u>                            | <u>3552 - 1707</u>    |                                   |            |
| <u>Ash Grove</u>                              | <u>3594 - 1754</u>    |                                   |            |
| <u>KTD</u>                                    | <u>3700 - 1855</u>    |                                   |            |
| <u>672</u>                                    | <u>3702 - 1858</u>    |                                   |            |

REMARKS

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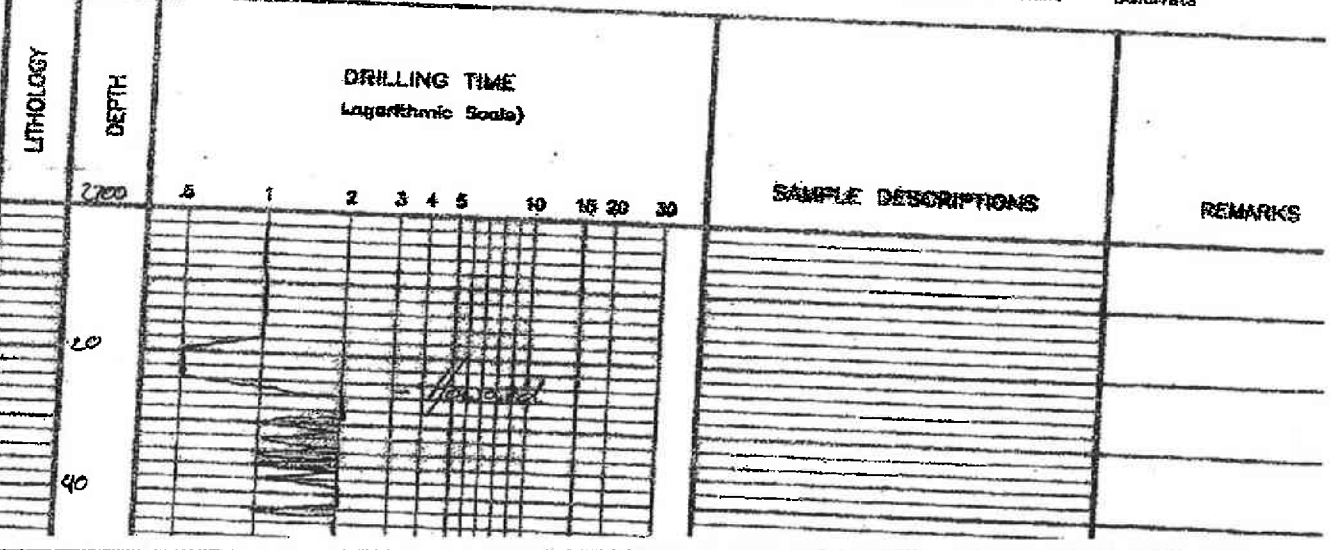
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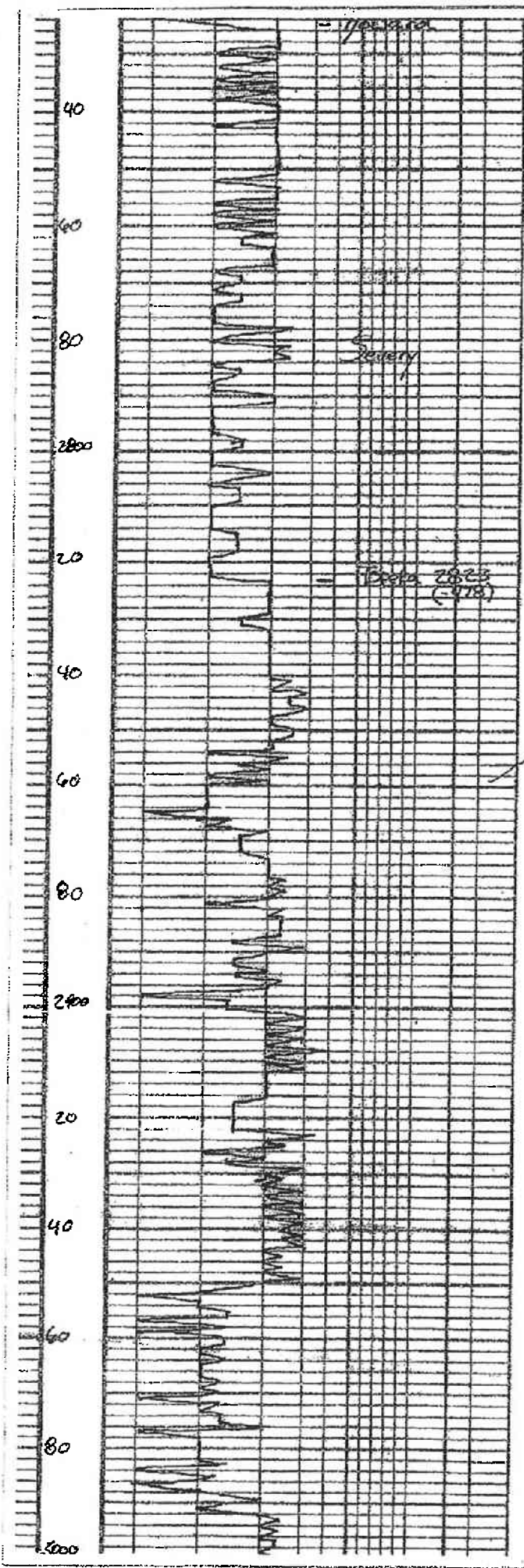
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## LEGEND

- Antiphrite
- Salt
- Sandstone
- Shale
- Carb st
- Limestone
- Coal Lime
- Chert
- Dolomite







gry - grayish green mica  
 silty shale

1/2 sand & silt, friable sub rounded  
 sand & silt, mica in part 1/2

1/2 gry buff fine chky  
 shale

1/2 gry shale

1/2 cream tan fine fine white  
 clay sh

95 gry mostly well cemented  
 thin bedded sub rounded  
 well sorted, mica  
 & granular

1/2 cream - gry fine fine brown  
 sandy calc. impur (dus)

1/2 clay green impur

blk carb shale

1/2 gry - mica sh.

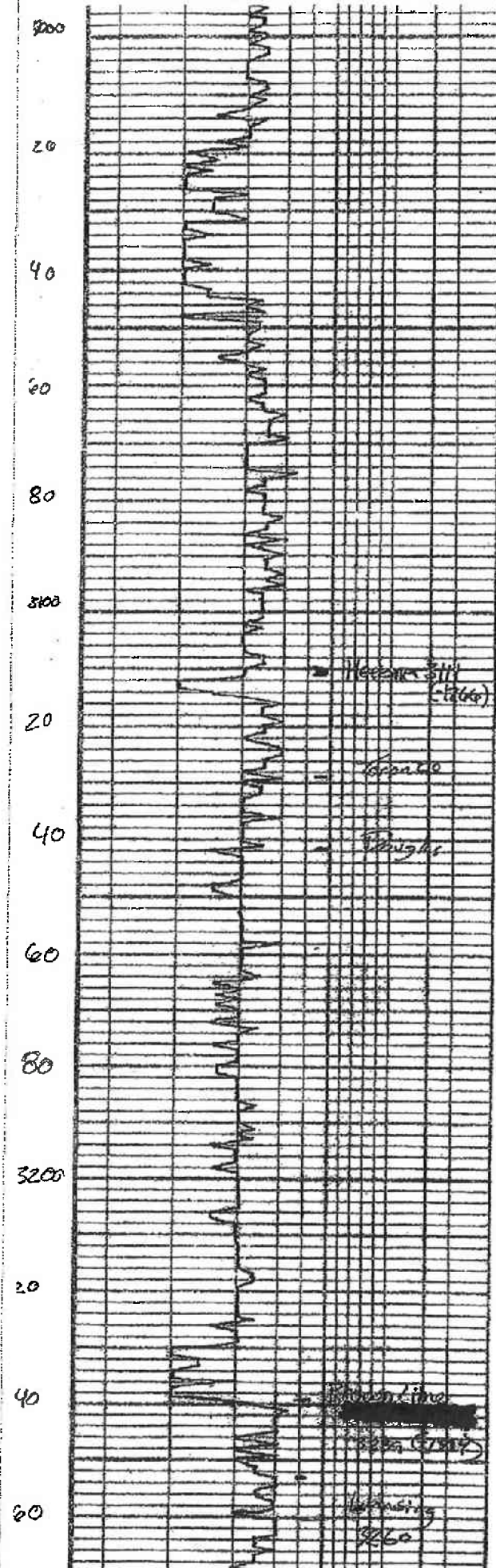
1/2 cream / gry buff sh  
 chky fossils

1/2 cream - gry fine fine  
 sand vuggy typical sh

1/2 cream fine dark sh

?

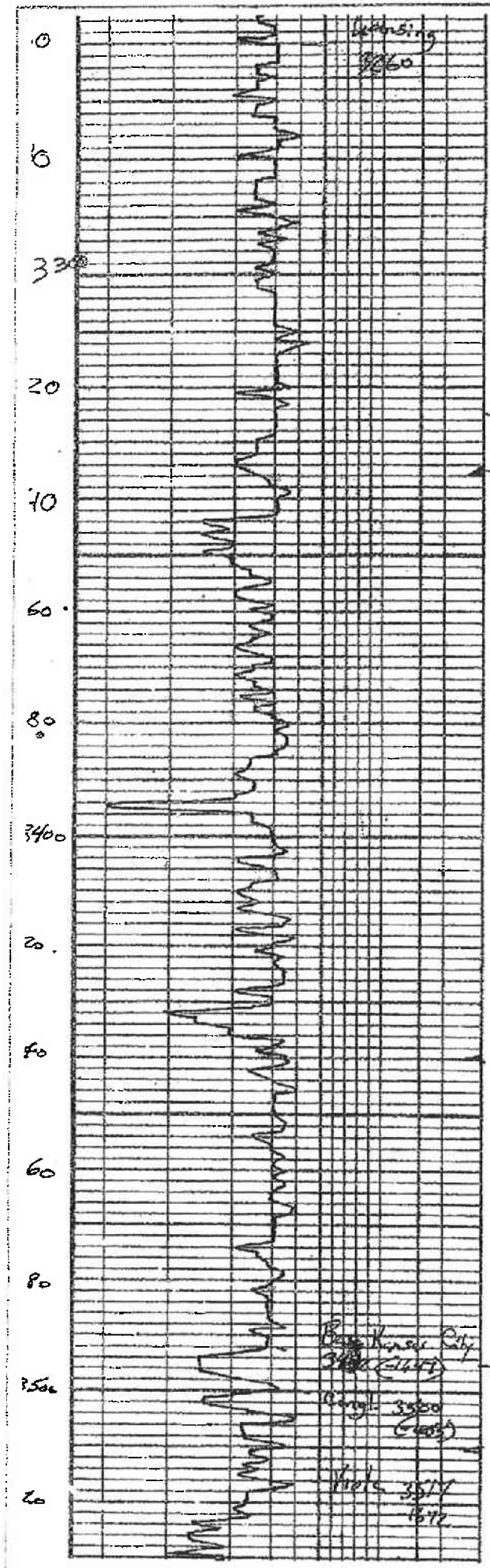




15' cream to green grey  
 blk carb shale  
 15' cream-grey blk chky  
 poorly dev. with chky  
 sh  
 10' cream to brownish grey  
 sh in part sh  
 15' light grey cream blk fine  
 dev. by fine v. sh  
 & grey sandy sh  
 15' cream tan-grey blk fine  
 dev. by sh  
 blk carb shale  
 15' light grey tan blk  
 sh  
 shale - grey tan soft-silty  
 shale - grey tan soft-silty  
 shale  
 blk carb shale  
 15' light grey tan blk  
 sh  
 shale - cream tan blk  
 dev. by sh

DST #1 3242-3355  
 30-30-95-95  
 Blue Stone B&B, W. Va.

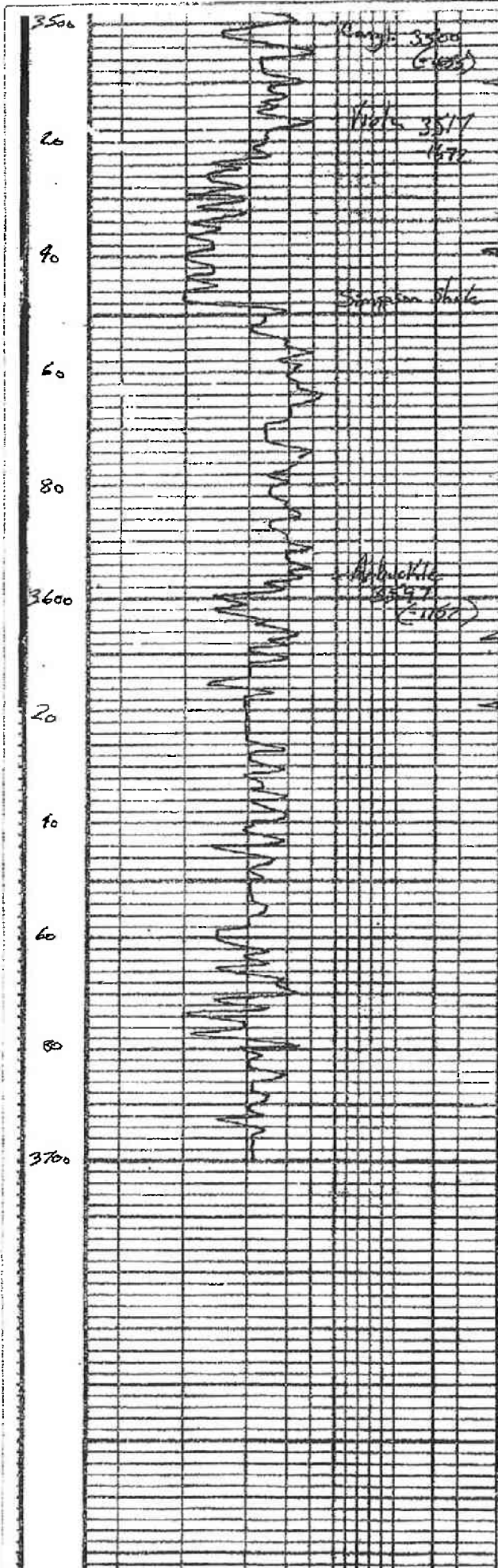




Core - crin/haud/act Exm  
 Porate, silicify Co1  
  
 Lmsl - crin/haud Porate Co1  
 Poor Seal core  
 NY Chalky  
  
 Lmsl - crin/haud low vis 2  
 Chalky silicify NY  
  
 Lmsl - crin/haud/act low vis 2  
 Silicify and dark brown/blk  
 cherty  
  
 Lmsl - crin/haud/act Act  
 Poor - in chert - poor Porate  
 dark brown and SFO  
  
 Lmsl - crin/haud 4M  
 Por - in chert 2 SFO NY  
 Chalky  
  
 Lmsl - crin/haud poor vis/haud  
 dark brown and SFO  
  
 Ls crin - tan chky to white  
 to blk brown blk to white  
  
 Ls crin - grey sh and chky  
 in part dense  
 to the grey & sh  
  
 Ls tan highly por in part  
 to dark grey - white brown  
 sh. SFO sh. blk  
  
 Ls crin - blk sh chky dense  
 poor vis. NY to brown chky  
  
 Ls sh - crin 20- chky  
 to blk sh sh. SFO sh. blk  
  
 to blk carb sh.  
  
 Ls crin high por in part  
 to brown blk to partly blk  
 (sh)  
  
 Ls crin buff to dark sh ay  
 blk grey sh.  
  
 Ls crin blk sh blk chky dark  
 sh  
  
 grey - greyish green sh.  
  
 Sandstone blk edge by flint  
 sh to partly sand, sh, to 10'  
 blk sh blk sh  
 blk to dark dense blk sh & grey sh  
 sh  
  
 Cherty crin - blk grey tan brown  
 sand tail and blk sh to blk

DST #1 3242-3355  
 30-30-45-45  
 Blow Strong BOB in air  
 GTS in 15 min  
 Strong Blow back  
 final GFS thru air  
 Gas gauge 14 MCF/D  
 down to 5 MCF/D  
 Recovery 900' sludge  
 (5% oil 30% water 30% gas 35% sand)  
 Pressure  
 ISIP 381  
 FSIP 379  
 IFF 109-200  
 FFP 196-282  
 HSH 1605  
 -1635  
  
 DST #2 3380-3440  
 30-45-45-60  
 Blow: BOB in 2 min  
 weak blow back  
 final BOB immediately  
 No blow back  
 Recovery 1200 GIP  
 100' sludge  
 (5% oil 25% gas 70% sand)  
 Pressure  
 ISIP 370  
 FSIP 360  
 IFF 39-52  
 FFP 35-71  
 HSH 1643  
 -1627  
  
 DST #3 3480-3545  
 30-30-30-30  
 Blow weak - none  
 Recovery 10' mud  
 Pressure  
 ISIP 54  
 FSIP 48  
 IFF 33-76  
 FFP 38-42  
 HSH 1603  
 -1661





|  |  |   |
|--|--|---|
| <p>1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.</p> | <p>1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.</p> | <p>Pressure 131P 57<br/>         FSIP 98<br/>         IFF 33-76<br/>         FFF 38-42<br/>         HSH 1693<br/>         -1661</p>                               |
| <p>grey-green-blue shale</p>   | <p>DST #4 3541-3607<br/>         45-45-45-45</p>   | <p>Blow: BOB in 25 min<br/>         Work blow back<br/>         Final BOB in 30 min<br/>         Work blow back</p>   |
| <p>grey-olive green shale</p>  | <p>Recovery 1000 g.P<br/>         210' Smego<br/>         (70% M 30% G 60% O)</p>  | <p>Pressure 131P 533<br/>         FSIP 556<br/>         IFF 40-89<br/>         FFF 90-110<br/>         HSH 1705<br/>         -1625</p>                            |
| <p>grey-olive green shale</p>  | <p>DST #5 3607-3619<br/>         45-45-45-45</p>   | <p>Blow: BOB in 15 min<br/>         GTS in 15 min<br/>         Final GTS throat<br/>         Gas 155 M<br/>         Recovery 400' G.O<br/>         100' water</p> |
| <p>grey-olive green shale</p>  | <p>Pressure 131P 253<br/>         131P 359<br/>         IFF 104-150<br/>         FFF 190-214<br/>         HSH 1750<br/>         -1708</p>  |   |

## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: BILL 1-26

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S26/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1017

Test Unit:

Start Date: 2011/09/18 Start Time: 10:30:00

End Date: 2011/09/19 End Time: 05:10:00

Report Date: 2011/09/19 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSH AUSTIN

REMARKS: GAS TO SURFACE 15 MINUTES INTO 1ST FLOW, GUAGED 14 MCF/D DECREASING TO 5 MCF/D  
RECOVERY: 900' SLIGHTLY OIL CUT WATERY GASSY MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

## DRILL-STEM TEST TICKET

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
 Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
 Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State \_\_\_\_\_  
 Test Approved By \_\_\_\_\_ Diamond Representative **JOHN C. RIEDL**

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
 2nd Open: \_\_\_\_\_

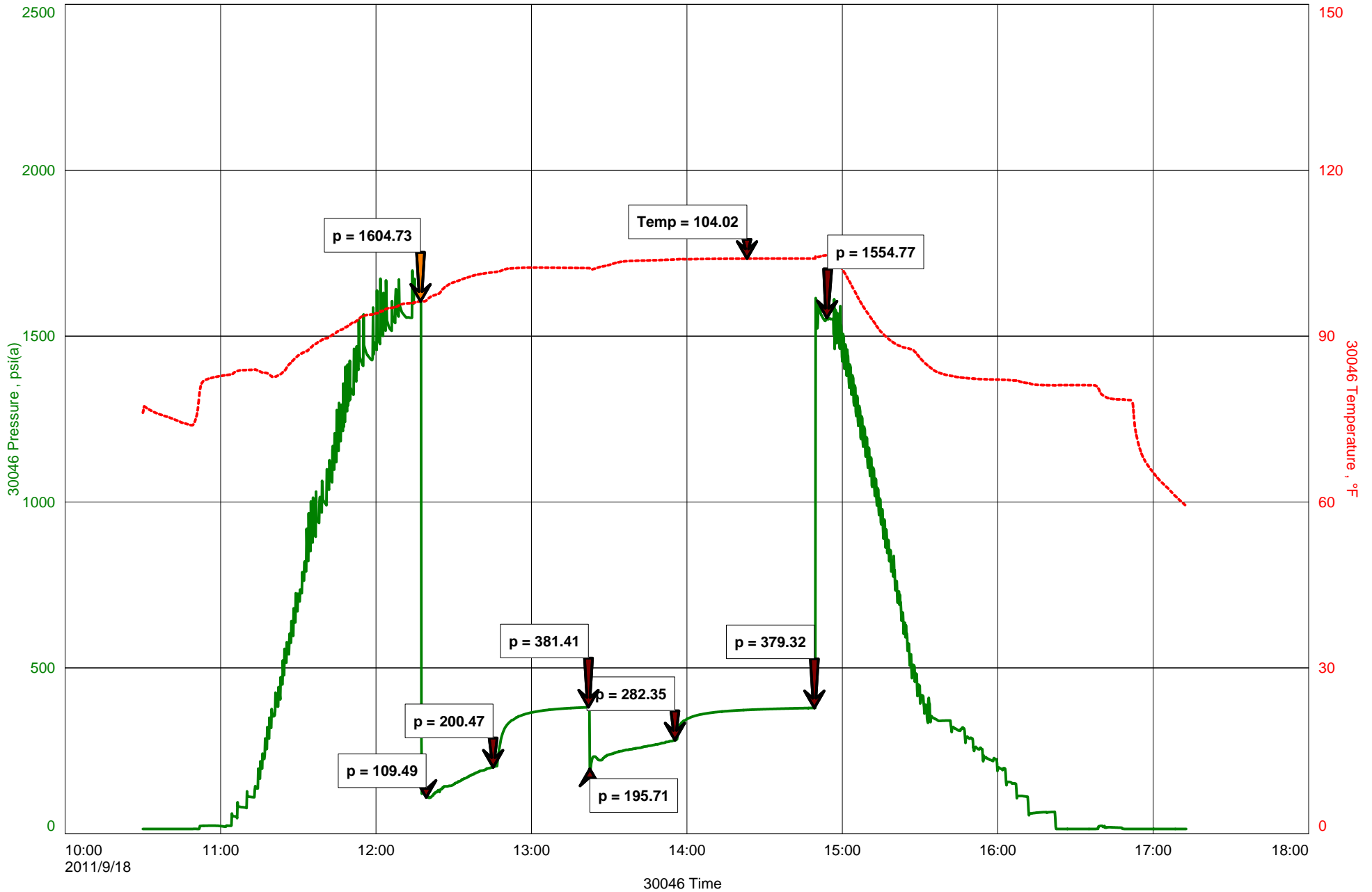
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|                                  |               |
|----------------------------------|---------------|
| Remarks: _____<br>_____<br>_____ | Price Job     |
|                                  | Other Charges |
|                                  | Insurance     |
|                                  | Total         |

|                                    |              |                               |              |                            |
|------------------------------------|--------------|-------------------------------|--------------|----------------------------|
| Time Set Packer(s) _____           | A.M.<br>P.M. | Time Started Off Bottom _____ | A.M.<br>P.M. | Maximum Temperature _____  |
| Initial Hydrostatic Pressure _____ | (A)          | _____                         | P.S.I.       |                            |
| Initial Flow Period _____          | Minutes      | (B)                           | _____        | P.S.I. to (C) _____ P.S.I. |
| Initial Closed In Period _____     | Minutes      | (D)                           | _____        | P.S.I.                     |
| Final Flow Period _____            | Minutes      | (E)                           | _____        | P.S.I. to (F) _____ P.S.I. |
| Final Closed In Period _____       | Minutes      | (G)                           | _____        | P.S.I.                     |
| Final Hydrostatic Pressure _____   | (H)          | _____                         | P.S.I.       |                            |

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# BILL 1-26





## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: BILL 1-26

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S26/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1018

Test Unit:

Start Date: 2011/09/19 Start Time: 15:45:00

End Date: 2011/09/19 End Time: 21:50:00

Report Date: 2011/09/19 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 1200' GAS IN PIPE, 100' SLIGHTLY OIL CUT GASSY MUD



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

## DRILL-STEM TEST TICKET

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
 Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
 Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State \_\_\_\_\_  
 Test Approved By \_\_\_\_\_ Diamond Representative **JOHN C. RIEDL**

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
 2nd Open: \_\_\_\_\_

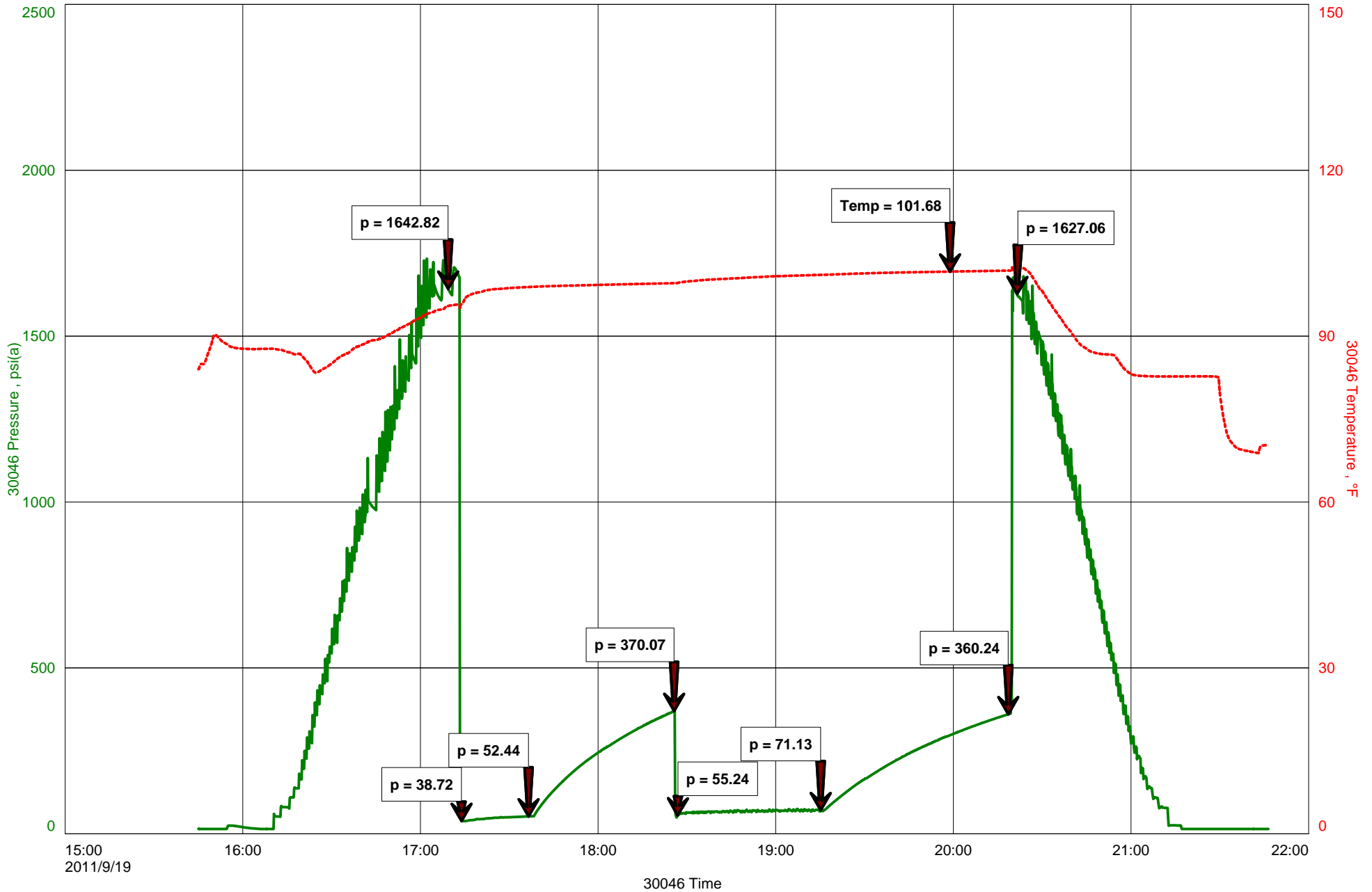
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|                                  |               |
|----------------------------------|---------------|
| Remarks: _____<br>_____<br>_____ | Price Job     |
|                                  | Other Charges |
|                                  | Insurance     |
|                                  | Total         |

|                                    |              |                               |              |                            |
|------------------------------------|--------------|-------------------------------|--------------|----------------------------|
| Time Set Packer(s) _____           | A.M.<br>P.M. | Time Started Off Bottom _____ | A.M.<br>P.M. | Maximum Temperature _____  |
| Initial Hydrostatic Pressure _____ | (A)          | _____                         | P.S.I.       |                            |
| Initial Flow Period _____          | Minutes      | (B)                           | _____        | P.S.I. to (C) _____ P.S.I. |
| Initial Closed In Period _____     | Minutes      | (D)                           | _____        | P.S.I.                     |
| Final Flow Period _____            | Minutes      | (E)                           | _____        | P.S.I. to (F) _____ P.S.I. |
| Final Closed In Period _____       | Minutes      | (G)                           | _____        | P.S.I.                     |
| Final Hydrostatic Pressure _____   | (H)          | _____                         | P.S.I.       |                            |

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# BILL 1-26



## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: BILL 1-26

Operator:

Location-Downhole:

Location-Surface: S26/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1019

Test Unit:

Start Date: 2011/09/20 Start Time: 08:45:00

End Date: 2011/09/20 End Time: 13:15:00

Report Date: 2011/09/20 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

### Remarks:

RECOVERY: 10' DRILLING MUD





# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

## DRILL-STEM TEST TICKET

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
 Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
 Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State \_\_\_\_\_  
 Test Approved By \_\_\_\_\_ Diamond Representative **JOHN C. RIEDL**

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
 2nd Open: \_\_\_\_\_

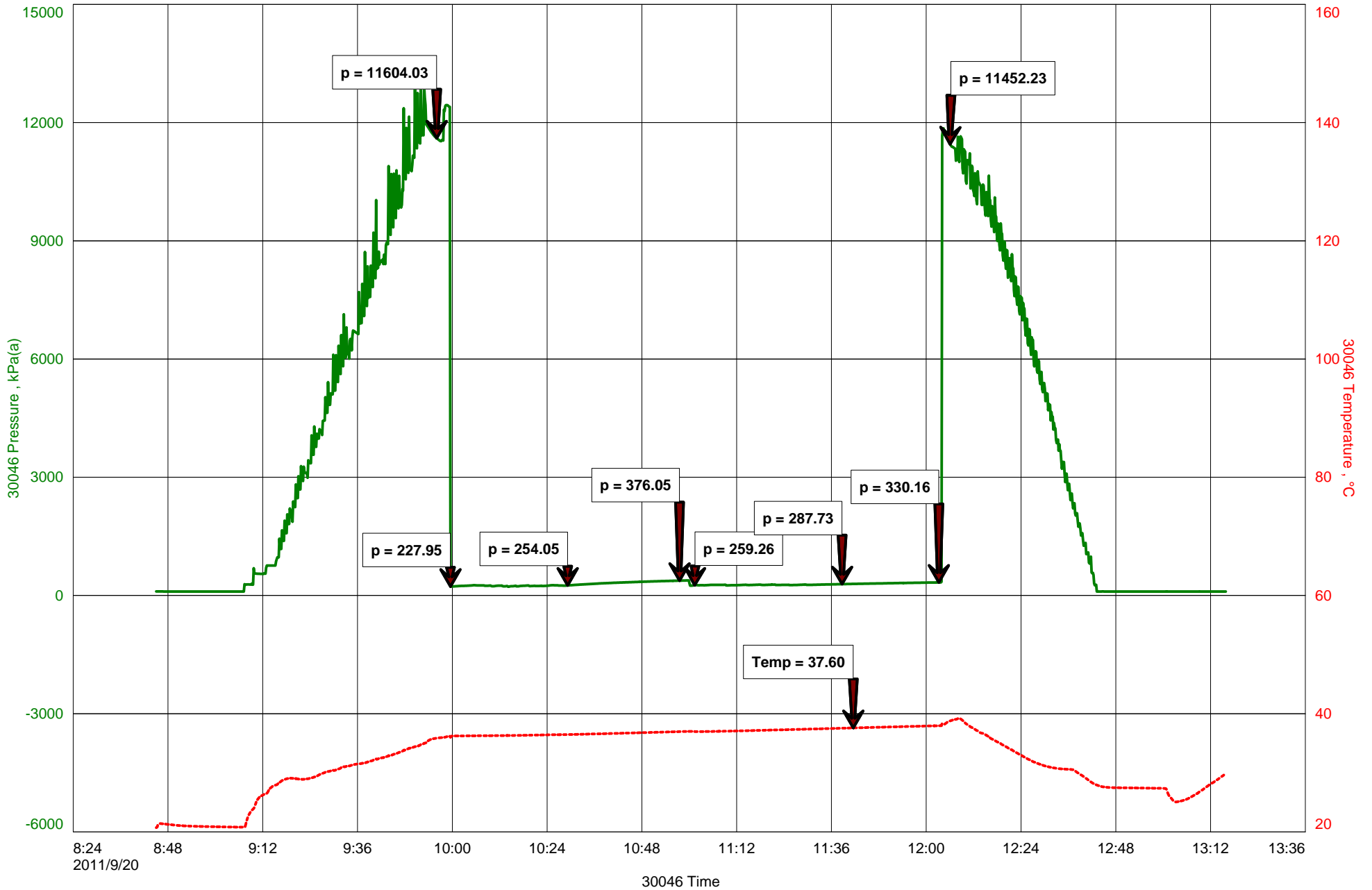
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|                                  |               |
|----------------------------------|---------------|
| Remarks: _____<br>_____<br>_____ | Price Job     |
|                                  | Other Charges |
|                                  | Insurance     |
|                                  | Total         |

|                                    |              |                               |              |                            |
|------------------------------------|--------------|-------------------------------|--------------|----------------------------|
| Time Set Packer(s) _____           | A.M.<br>P.M. | Time Started Off Bottom _____ | A.M.<br>P.M. | Maximum Temperature _____  |
| Initial Hydrostatic Pressure _____ | (A)          | _____                         | P.S.I.       |                            |
| Initial Flow Period _____          | Minutes      | (B)                           | _____        | P.S.I. to (C) _____ P.S.I. |
| Initial Closed In Period _____     | Minutes      | (D)                           | _____        | P.S.I.                     |
| Final Flow Period _____            | Minutes      | (E)                           | _____        | P.S.I. to (F) _____ P.S.I. |
| Final Closed In Period _____       | Minutes      | (G)                           | _____        | P.S.I.                     |
| Final Hydrostatic Pressure _____   | (H)          | _____                         | P.S.I.       |                            |

Diamond Testing shall not be liable for damages of any kind to the property or personnel of the one for whom a test is made or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statement or opinion concerning the result of any test. Tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.

# BILL 1-26



## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: BILL 1-26

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S26/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1020

Test Unit:

Start Date: 2011/09/20 Start Time: 21:30:00

End Date: 2011/09/21 End Time: 06:00:00

Report Date: 2011/09/21 Prepared By: JOHN RIEDL

Remarks: Qualified By: JOSH AUSTIN

RECOVERY: 1,000 GAS IN PIPE, 210' SLIGHTLY MUD CUT GASSY OIL



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

## DRILL-STEM TEST TICKET

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_  
 Contractor \_\_\_\_\_ Charge to \_\_\_\_\_  
 Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_  
 Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State \_\_\_\_\_  
 Test Approved By \_\_\_\_\_ Diamond Representative **JOHN C. RIEDL**

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.  
 Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.  
 Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.  
 Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.  
 Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.  
 Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.  
 Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.  
 Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_  
 2nd Open: \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
 Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

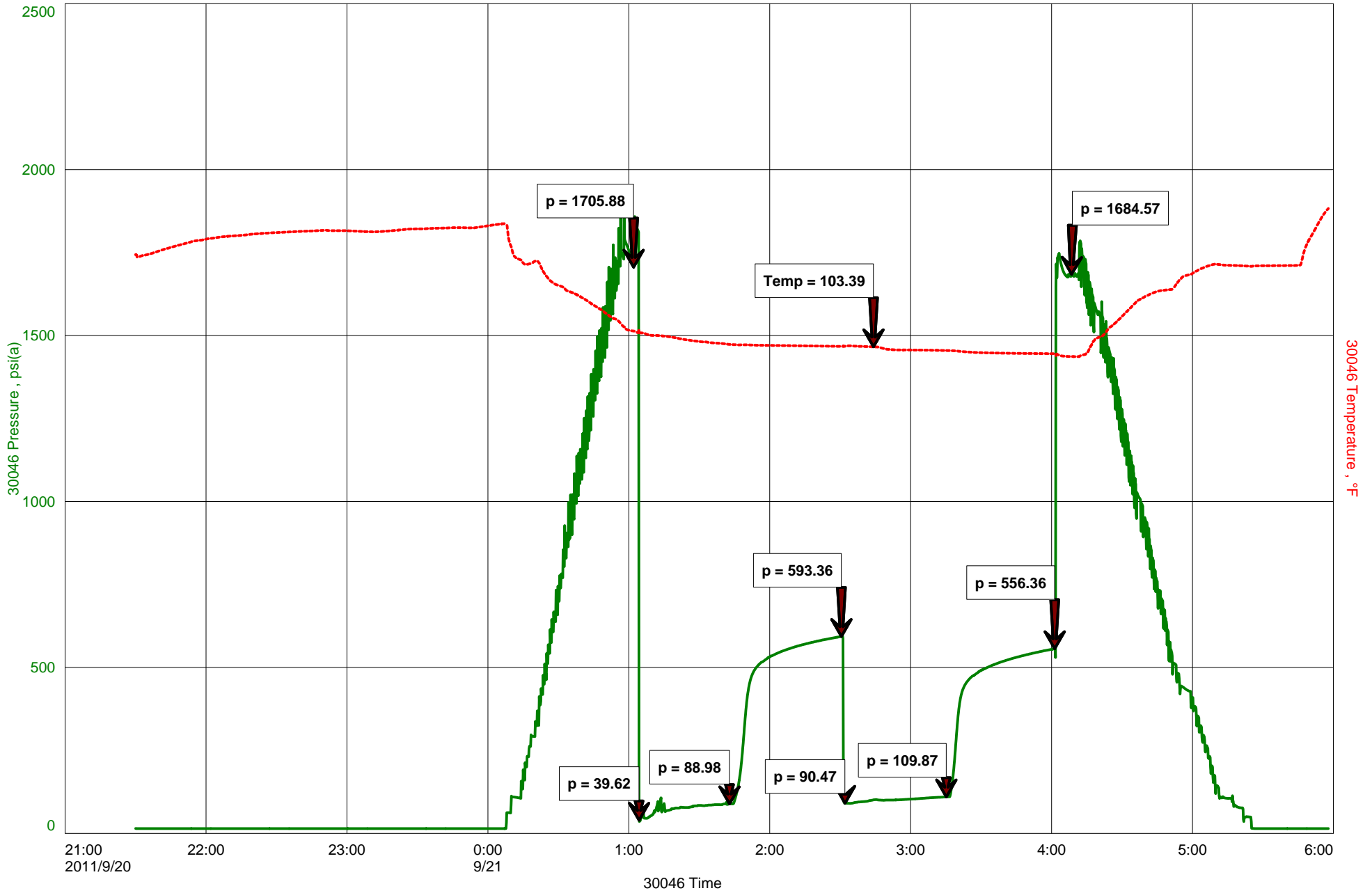
|                                  |               |
|----------------------------------|---------------|
| Remarks: _____<br>_____<br>_____ | Price Job     |
|                                  | Other Charges |
|                                  | Insurance     |
|                                  | Total         |

|                                    |              |                               |              |                            |
|------------------------------------|--------------|-------------------------------|--------------|----------------------------|
| Time Set Packer(s) _____           | A.M.<br>P.M. | Time Started Off Bottom _____ | A.M.<br>P.M. | Maximum Temperature _____  |
| Initial Hydrostatic Pressure _____ | (A)          | _____                         | P.S.I.       |                            |
| Initial Flow Period _____          | Minutes      | (B)                           | _____        | P.S.I. to (C) _____ P.S.I. |
| Initial Closed In Period _____     | Minutes      | (D)                           | _____        | P.S.I.                     |
| Final Flow Period _____            | Minutes      | (E)                           | _____        | P.S.I. to (F) _____ P.S.I. |
| Final Closed In Period _____       | Minutes      | (G)                           | _____        | P.S.I.                     |
| Final Hydrostatic Pressure _____   | (H)          | _____                         | P.S.I.       |                            |

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# BILL 1-26



## GENERAL INFORMATION

### Client Information:

Company: L D DRILLING INC

Contact: L D DAVIS

Phone: Fax: e-mail:

### Site Information:

Contact: JOSH AUSTIN

Phone: Fax: e-mail:

### Well Information:

Name: BILL 1-26

Operator: L D DRILLING INC

Location-Downhole:

Location-Surface: S26/21S/12W

### Test Information:

Company: DIAMOND TESTING

Representative: JOHN RIEDL

Supervisor: JOSH AUSTIN

Test Type: CONVENTIONAL Job Number: D1021

Test Unit:

Start Date: 2011/09/21 Start Time: 10:50:00

End Date: 2011/09/21 End Time: 17:10:00

Report Date: 2011/09/21 Prepared By: JOHN RIEDL

Qualified By: JOSH AUSTIN

### Remarks:

RECOVERY: 400' GASSY OIL, 100' WATER



# DIAMOND TESTING

P.O. Box 157

HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313

## DRILL-STEM TEST TICKET

Company \_\_\_\_\_ Lease & Well No. \_\_\_\_\_

Contractor \_\_\_\_\_ Charge to \_\_\_\_\_

Elevation \_\_\_\_\_ Formation \_\_\_\_\_ Effective Pay \_\_\_\_\_ Ft. Ticket No. \_\_\_\_\_

Date \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S Range \_\_\_\_\_ W County \_\_\_\_\_ State \_\_\_\_\_

Test Approved By \_\_\_\_\_ Diamond Representative **JOHN C. RIEDL**

Formation Test No. \_\_\_\_\_ Interval Tested from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Total Depth \_\_\_\_\_ ft.

Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in. Packer Depth \_\_\_\_\_ ft. Size \_\_\_\_\_ in.

Depth of Selective Zone Set \_\_\_\_\_

Top Recorder Depth (Inside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Bottom Recorder Depth (Outside) \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type \_\_\_\_\_ Viscosity \_\_\_\_\_ Drill Collar Length \_\_\_\_\_ ft. I.D. 2 1/4 in.

Weight \_\_\_\_\_ Water Loss \_\_\_\_\_ cc. Weight Pipe Length \_\_\_\_\_ ft. I.D. 2 7/8 in.

Chlorides \_\_\_\_\_ P.P.M. Drill Pipe Length \_\_\_\_\_ ft. I.D. 3 1/2 in.

Jars: Make BOWEN Serial Number \_\_\_\_\_ Test Tool Length \_\_\_\_\_ ft. Tool Size 3 1/2-IF in.

Did Well Flow? \_\_\_\_\_ Reversed Out \_\_\_\_\_ Anchor Length \_\_\_\_\_ ft. Size 4 1/2-FH in.

Main Hole Size 7 7/8 Tool Joint Size 4 1/2 in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: \_\_\_\_\_

2nd Open: \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

Remarks: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

|               |
|---------------|
| Price Job     |
| Other Charges |
| Insurance     |
| Total         |

Time Set Packer(s) \_\_\_\_\_ A.M. P.M. Time Started Off Bottom \_\_\_\_\_ A.M. P.M. Maximum Temperature \_\_\_\_\_

Initial Hydrostatic Pressure ..... (A) \_\_\_\_\_ P.S.I.

Initial Flow Period ..... Minutes (B) \_\_\_\_\_ P.S.I. to (C) \_\_\_\_\_ P.S.I.

Initial Closed In Period ..... Minutes (D) \_\_\_\_\_ P.S.I.

Final Flow Period ..... Minutes (E) \_\_\_\_\_ P.S.I. to (F) \_\_\_\_\_ P.S.I.

Final Closed In Period ..... Minutes (G) \_\_\_\_\_ P.S.I.

Final Hydrostatic Pressure ..... (H) \_\_\_\_\_ P.S.I.

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# BILL 1-26

