



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1301911  
OIL & GAS CONSERVATION DIVISION

Form ACO-1

August 2013

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
- Plug Back  Conv. to GSW  Conv. to Producer
- Commingled Permit #: \_\_\_\_\_
- Dual Completion Permit #: \_\_\_\_\_
- SWD Permit #: \_\_\_\_\_
- ENHR Permit #: \_\_\_\_\_
- GSW Permit #: \_\_\_\_\_

|                                   |                 |   |
|-----------------------------------|-----------------|---|
| Spud Date or<br>Recompletion Date | Date Reached TD | Completion Date or<br>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

GPS Location: Lat: \_\_\_\_\_, Long: \_\_\_\_\_  
(e.g. xx.xxxxx) (e.g. -xxx.xxxxx)

Datum:  NAD27  NAD83  WGS84

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

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

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

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

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

Total Vertical 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

- Confidentiality Requested  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

1301911

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

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

**INSTRUCTIONS:** Show important tops 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.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

|   |  |                              |                                  |                                 |
|---|--|------------------------------|----------------------------------|---------------------------------|
| Drill Stem Tests Taken<br><i>(Attach Additional Sheets)</i> | <input type="checkbox"/> Yes <input type="checkbox"/> No | <input type="checkbox"/> Log | Formation (Top), Depth and Datum | <input type="checkbox"/> Sample |
| Samples Sent to Geological Survey                           | <input type="checkbox"/> Yes <input type="checkbox"/> No | Name                         | Top                              | Datum                           |
| Cores Taken   | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| Electric Log Run  | <input type="checkbox"/> Yes <input type="checkbox"/> No |                              |                                  |                                 |
| List All E. Logs Run:                                       |  |                              |                                  |                                 |

| 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 |
| <input type="checkbox"/> Perforate      |                  |                |              |                            |
| <input type="checkbox"/> Protect Casing |                  |                |              |                            |
| <input type="checkbox"/> Plug Back TD   |                  |                |              |                            |
| <input type="checkbox"/> Plug Off Zone  |                  |                |              |                            |

Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

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

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

|           |                        |
|-----------|------------------------|
| Form      | ACO1 - Well Completion |
| Operator  | L. D. Drilling, Inc.   |
| Well Name | MAULER 1-15            |
| Doc ID    | 1301911                |

Tops

| Name             | Top  | Datum |
|------------------|------|-------|
| ANHYDRITE        | 867  | +1054 |
| BASE ANHYDRITE   | 879  | +1042 |
| TOPEKA           | 2866 | -945  |
| HEEBNER          | 3100 | -1179 |
| BROWN LIME       | 3176 | -1255 |
| LANSING          | 3184 | -1263 |
| BASE KANSAS CITY | 3390 | -1469 |
| ARBUCKLE         | 3441 | -1520 |





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 1-15MLRDST1

TIME ON: 2220 (3/11)  
TIME OFF: 0625 (3/12)

Company L.D. DRILLING, INC. Lease & Well No. #1-15 MAULER  
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.  
Elevation 1921 KB Formation L/KC 'A-G' Effective Pay \_\_\_\_\_ Ft. Ticket No. M818  
Date 3/11/2016 Sec. 15 Twp. 18 S Range 14 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 1 Interval Tested from 3198 ft. to 3260 ft. Total Depth 3260 ft.  
Packer Depth 3193 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3198 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Depth of Selective Zone Set \_\_\_\_\_  
Top Recorder Depth (Inside) 3185 ft. Recorder Number 5448 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3200 ft. Recorder Number 0063 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth 3257 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 9.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 7,900 P.P.M. Drill Pipe Length 3171 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 62 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (31'DP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB BUILT TO 2" (NO BB)  
2nd Open: WSB BUILT TO 1 1/2" (NO BB)

Recovered 30 ft. of DM 100% MUD  
Recovered 30 ft. of TOTAL FLUID  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_  
Recovered \_\_\_\_\_ ft. of \_\_\_\_\_

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Remarks: _____               | Insurance     |
| TOOL SAMPLE: 100% MUD        | Total         |

Time Set Packer(s) 1:00 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Time Started Off Bottom 4:00 A.M. <sup>A.M.</sup>/<sub>P.M.</sub> Maximum Temperature 102°F

Initial Hydrostatic Pressure..... (A) 1521 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 12 P.S.I. to (C) 19 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 901 P.S.I.  
Final Flow Period..... Minutes 45 (E) 20 P.S.I. to (F) 25 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 904 P.S.I.  
Final Hydrostatic Pressure..... (H) 1520 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.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                              |                |                     |
|------------------|------------------------------|----------------|---------------------|
| Company Name     | L.D. DRILLING, INC.          | Job Number     | M818                |
| Well Name        | #1-15 MAULER                 | Representative | MIKE COCHRAN        |
| Unique Well ID   | DST#1 3198-3260 L/KC 'A-G'   | Well Operator  | L.D. DRILLING, INC. |
| Surface Location | SEC.15-18S-14W BARTON CO.KS. | Report Date    | 2016/03/12          |
| Field            | WILDCAT                      | Prepared By    | MIKE COCHRAN        |
| Well Type        | Vertical                     | Qualified By   | KIM SHOEMAKER       |
|                  |                              | Test Unit      | NO. 3               |

### Test Information

|                     |                            |                 |          |
|---------------------|----------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL               |                 |          |
| Formation           | DST#1 3198-3260 L/KC 'A-G' |                 |          |
| Test Purpose (AEUB) | Initial Test               |                 |          |
| Start Test Date     | 2016/03/11                 | Start Test Time | 22:20:00 |
| Final Test Date     | 2016/03/12                 | Final Test Time | 06:25:00 |
|                     |                            | Well Fluid Type | 01 Oil   |
| Gauge Name          | 5448                       |                 |          |
| Gauge Serial Number |                            |                 |          |

### Test Results

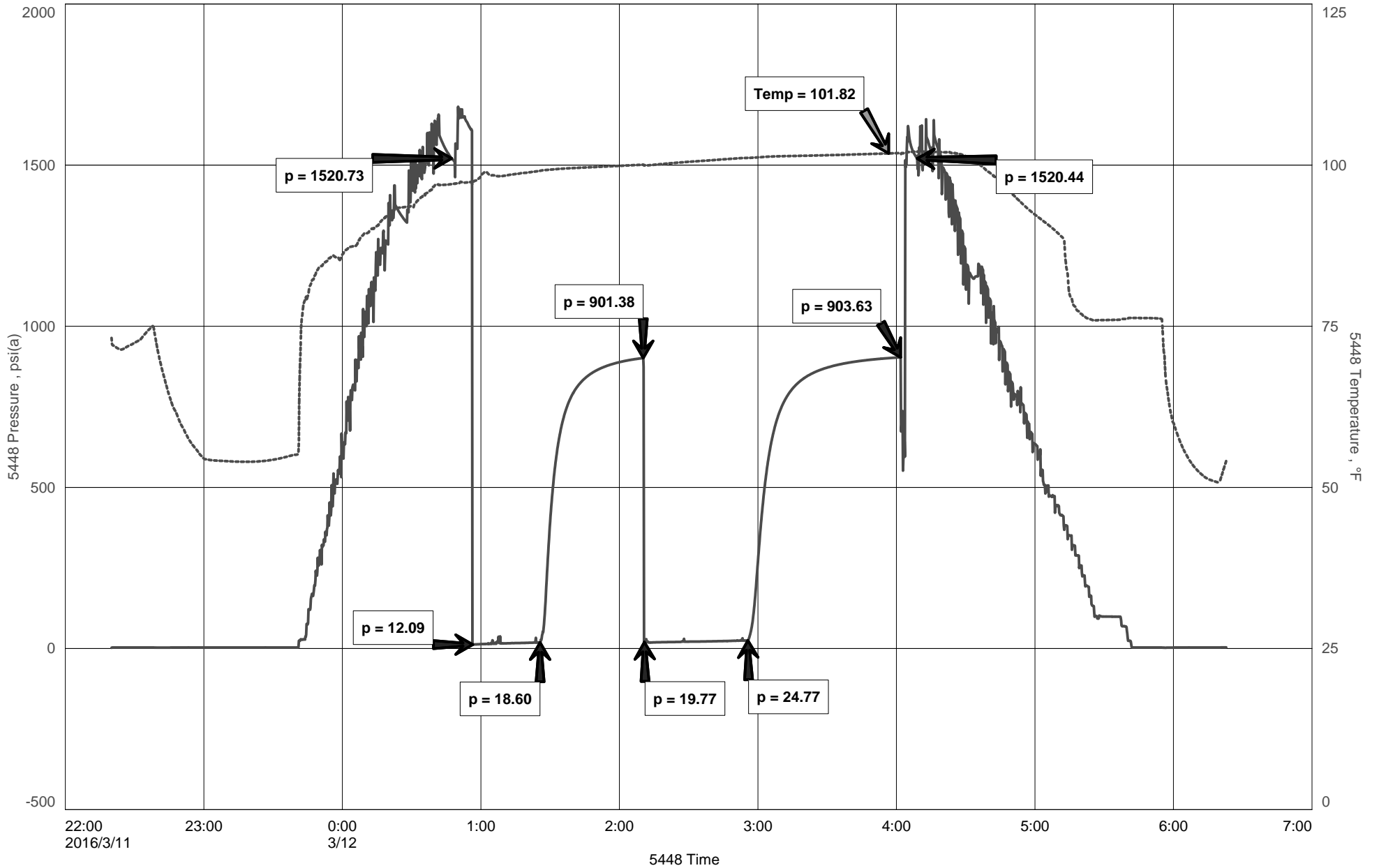
Remarks RECOVERED:  
30' DM 100% MUD  
30' TOTAL FLUID

TOOL SAMPLE: 100% MUD

L.D. DRILLING, INC.  
DST#1 3198-3260 L/KC 'A-G'  
Start Test Date: 2016/03/11  
Final Test Date: 2016/03/12

#1-15 MAULER  
Formation: DST#1 3198-3260 L/KC 'A-G'  
Pool: WILDCAT  
Job Number: M818

# #1-15 MAULER





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 1-15MLRDST2

TIME ON: 1925 (3/12)  
TIME OFF: 0135 (3/13)

Company L.D. DRILLING, INC. Lease & Well No. #1-15 MAULER  
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.  
Elevation 1921 KB Formation L/KC 'H-K' Effective Pay \_\_\_\_\_ Ft. Ticket No. M819  
Date 3/12/2016 Sec. 15 Twp. 18 S Range 14 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 2 Interval Tested from 3312 ft. to 3385 ft. Total Depth 3385 ft.  
Packer Depth 3307 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3312 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3299 ft. Recorder Number 5448 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3314 ft. Recorder Number 0063 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth 3382 ft. Recorder Number 6884 Cap. 6,275 P.S.I.

Mud Type CHEM Viscosity 59 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.2 Water Loss 10.4 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 9,000 P.P.M. Drill Pipe Length 3285 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 73 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: WSB, BUILT TO 1/2" (NO BB)  
2nd Open: NO BLOW (NO BB)

Recovered ~10 ft. of GIP  
Recovered 2 ft. of GM 100% MUD W/ SOME GASSY BUBBLES  
Recovered 2 ft. of TOTAL FLUID

|                              |               |
|------------------------------|---------------|
| Recovered _____ ft. of _____ | Price Job     |
| Recovered _____ ft. of _____ | Other Charges |
| Recovered _____ ft. of _____ | Insurance     |
| Remarks: _____               |               |
| TOOL SAMPLE: 100% GASSY MUD  | Total         |

Time Set Packer(s) 9:30 P.M. A.M. P.M. Time Started Off Bottom 11:30 P.M. A.M. P.M. Maximum Temperature 101°F

Initial Hydrostatic Pressure..... (A) 1587 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 12 P.S.I.  
Initial Closed In Period..... Minutes 30 (D) 26 P.S.I.  
Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 13 P.S.I.  
Final Closed In Period..... Minutes 30 (G) 19 P.S.I.  
Final Hydrostatic Pressure..... (H) 1576 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.



# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                              |                |                     |
|------------------|------------------------------|----------------|---------------------|
| Company Name     | L.D. DRILLING, INC.          | Job Number     | M819                |
| Well Name        | #1-15 MAULER                 | Representative | MIKE COCHRAN        |
| Unique Well ID   | DST#2 3312-3385 L/KC 'H-K'   | Well Operator  | L.D. DRILLING, INC. |
| Surface Location | SEC.15-18S-14W BARTON CO.KS. | Report Date    | 2016/03/13          |
| Field            | WILDCAT                      | Prepared By    | MIKE COCHRAN        |
| Well Type        | Vertical                     | Qualified By   | KIM SHOEMAKER       |
|                  |                              | Test Unit      | NO. 3               |

### Test Information

|                     |                            |                 |          |
|---------------------|----------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL               |                 |          |
| Formation           | DST#2 3312-3385 L/KC 'H-K' |                 |          |
| Test Purpose (AEUB) | Initial Test               |                 |          |
| Start Test Date     | 2016/03/12                 | Start Test Time | 19:25:00 |
| Final Test Date     | 2016/03/13                 | Final Test Time | 01:35:00 |
|                     |                            | Well Fluid Type | 01 Oil   |
| Gauge Name          | 5448                       |                 |          |
| Gauge Serial Number |                            |                 |          |

### Test Results

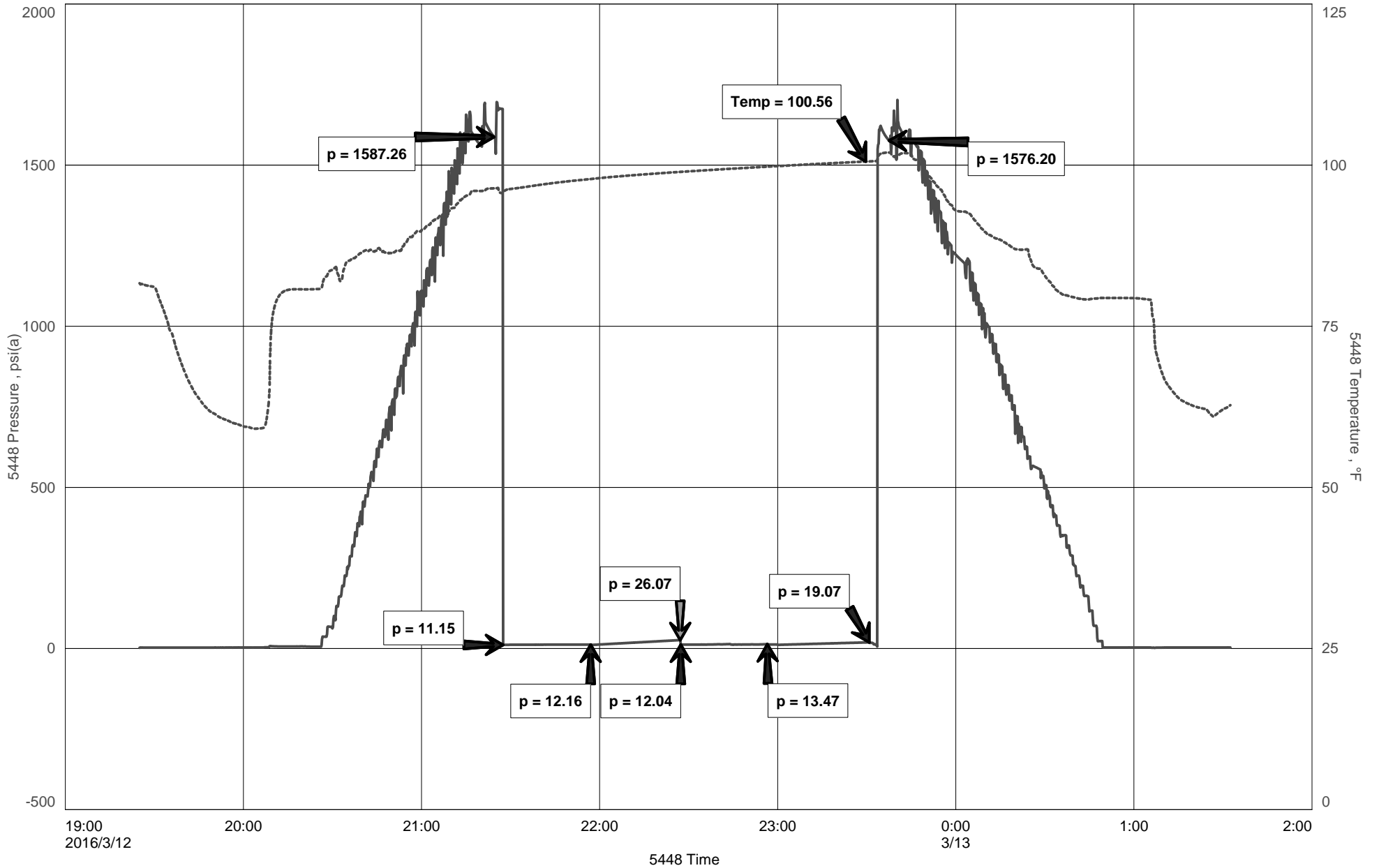
Remarks RECOVERED:  
~10 GIP  
2' GM 100% MUD W/ SOME GASSY BUBBLES  
2' TOTAL FLUID

TOOL SAMPLE: 100% GASSY MUD

L.D. DRILLING, INC.  
DST#2 3312-3385 L/KC 'H-K'  
Start Test Date: 2016/03/12  
Final Test Date: 2016/03/13

#1-15 MAULER  
Formation: DST#2 3312-3385 L/KC 'H-K'  
Pool: WILDCAT  
Job Number: M819

# #1-15 MAULER





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 1-15MLRDST3

TIME ON: 1135  
TIME OFF: 1705

Company L.D. DRILLING, INC. Lease & Well No. #1-15 MAULER  
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.  
Elevation 1921 KB Formation CONG. Effective Pay \_\_\_\_\_ Ft. Ticket No. M820  
Date 3/13/2016 Sec. 15 Twp. 18 S Range 14 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 3 Interval Tested from 3380 ft. to 3414 ft. Total Depth 3414 ft.

Packer Depth 3375 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

Packer Depth 3380 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3367 ft. Recorder Number 5448 Cap. 5,000 P.S.I.

Bottom Recorder Depth (Outside) 3382 ft. Recorder Number 0063 Cap. 5,000 P.S.I.

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

Mud Type CHEM Viscosity 62 Drill Collar Length 0 ft. I.D. 2 1/4 in.

Weight 9.2 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in

Chlorides 9,400 P.P.M. Drill Pipe Length 3353 ft. I.D. 3 1/2 in

Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in

Did Well Flow? NO Reversed Out NO Anchor Length 34 ft. Size 4 1/2-FH in

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

Blow: 1st Open: WSB, INCREASED TO 3/4" (NO BB)

2nd Open: NO BLOW (NO BB)

Recovered 1 ft. of MUD 100% MUD

Recovered 1 ft. of TOTAL FLUID

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

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

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

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

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

TOOL SAMPLE: 100% GASSY DRLG MUD

Time Set Packer(s) 1:30 P.M. A.M. P.M. Time Started Off Bottom 3:30 P.M. A.M. P.M. Maximum Temperature 100°F

Initial Hydrostatic Pressure..... (A) 1647 P.S.I.

Initial Flow Period..... Minutes 30 (B) 11 P.S.I. to (C) 13 P.S.I.

Initial Closed In Period..... Minutes 30 (D) 52 P.S.I.

Final Flow Period..... Minutes 30 (E) 12 P.S.I. to (F) 13 P.S.I.

Final Closed In Period..... Minutes 30 (G) 28 P.S.I.

Final Hydrostatic Pressure..... (H) 1601 P.S.I.

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

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# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                              |                |                     |
|------------------|------------------------------|----------------|---------------------|
| Company Name     | L.D. DRILLING, INC.          | Job Number     | M818                |
| Well Name        | #1-15 MAULER                 | Representative | MIKE COCHRAN        |
| Unique Well ID   | DST#3 3380-3414 CONG.        | Well Operator  | L.D. DRILLING, INC. |
| Surface Location | SEC.15-18S-14W BARTON CO.KS. | Report Date    |                     |
| Field            | WILDCAT                      | Prepared By    | MIKE COCHRAN        |
| Well Type        | Vertical                     | Qualified By   | KIM SHOEMAKER       |
|                  |                              | Test Unit      | NO. 3               |

### Test Information

|                     |                       |                 |          |
|---------------------|-----------------------|-----------------|----------|
| Test Type           | CONVENTIONAL          |                 |          |
| Formation           | DST#3 3380-3414 CONG. |                 |          |
| Test Purpose (AEUB) | Initial Test          |                 |          |
| Start Test Date     | 2016/03/13            | Start Test Time | 11:35:00 |
| Final Test Date     | 2016/03/13            | Final Test Time | 17:05:00 |
|                     |                       | Well Fluid Type | 01 Oil   |
| Gauge Name          | 5448                  |                 |          |
| Gauge Serial Number |                       |                 |          |

### Test Results

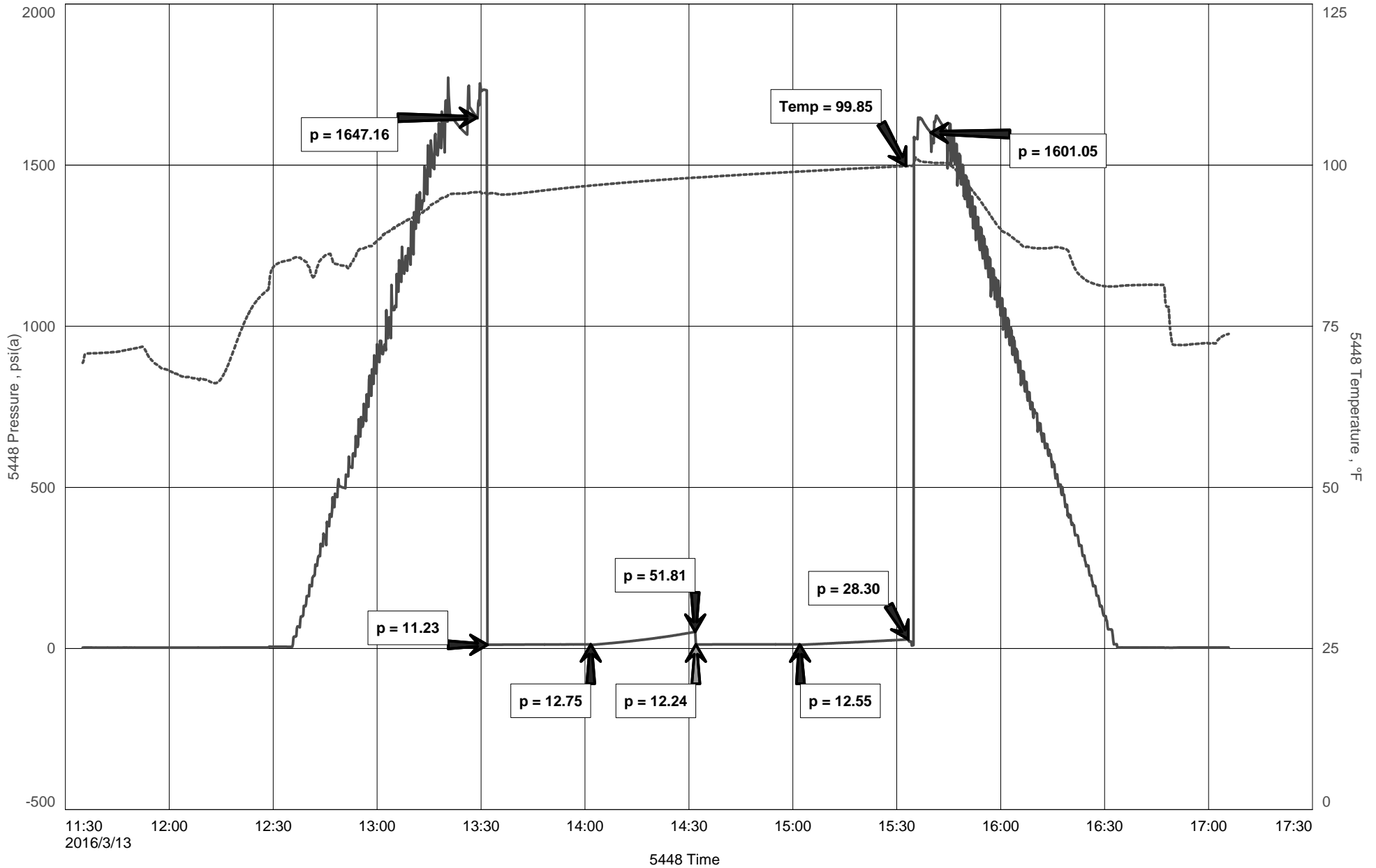
Remarks RECOVERED:  
1' DM 100% MUD  
1' TOTAL FLUID

TOOL SAMPLE: 100% GASSY DRLG MUD

L.D. DRILLING, INC.  
DST#3 3380-3414 CONG.  
Start Test Date: 2016/03/13  
Final Test Date: 2016/03/13

#1-15 MAULER  
Formation: DST#3 3380-3414 CONG.  
Pool: WILDCAT  
Job Number: M818

# #1-15 MAULER





**DIAMOND TESTING**  
P.O. Box 157  
**HOISINGTON, KANSAS 67544**  
(800) 542-7313  
**DRILL-STEM TEST TICKET**  
FILE: 1-15MLRDST4

TIME ON: 0030  
TIME OFF: 0735

Company L.D. DRILLING, INC. Lease & Well No. #1-15 MAULER  
Contractor L.D.DRILLING,INC.RIG 1 Charge to L.D. DRILLING, INC.  
Elevation 1921 KB Formation ARBUCKLE Effective Pay \_\_\_\_\_ Ft. Ticket No. M821  
Date 3/14/2016 Sec. 15 Twp. 18 S Range 14 W County BARTON State KANSAS  
Test Approved By KIM SHOEMAKER Diamond Representative MIKE COCHRAN

Formation Test No. 4 Interval Tested from 3382 ft. to 3448 ft. Total Depth 3448 ft.  
Packer Depth 3377 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.  
Packer Depth 3382 ft. Size 6 3/4 in. Packer depth NA ft. Size 6 3/4 in.

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

Top Recorder Depth (Inside) 3369 ft. Recorder Number 5448 Cap. 5,000 P.S.I.  
Bottom Recorder Depth (Outside) 3384 ft. Recorder Number 0063 Cap. 5,000 P.S.I.  
Below Straddle Recorder Depth \_\_\_\_\_ ft. Recorder Number \_\_\_\_\_ Cap. \_\_\_\_\_ P.S.I.

Mud Type CHEM Viscosity 60 Drill Collar Length 0 ft. I.D. 2 1/4 in.  
Weight 9.1 Water Loss 11.2 cc. Weight Pipe Length 0 ft. I.D. 2 7/8 in.  
Chlorides 9,400 P.P.M. Drill Pipe Length 3355 ft. I.D. 3 1/2 in.  
Jars: Make STERLING Serial Number SFTY JT Test Tool Length 27 ft. Tool Size 3 1/2-IF in.  
Did Well Flow? NO Reversed Out NO Anchor Length 66 ft. Size 4 1/2-FH in.  
Main Hole Size 7 7/8 Tool Joint Size 4 1/2 XH in. (32'DP) Surface Choke Size 1 in. Bottom Choke Size 5/8 in.

Blow: 1st Open: SSB, BOB 26 MIN (NO BB)  
2nd Open: WSB, BOB 25 MIN (NO BB)

Recovered 270 ft. of VSGMW 81% WTR, 19% MUD W/ A FEW GASSY BUBBLES

Recovered 270 ft. of TOTAL FLUID

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

Recovered \_\_\_\_\_ ft. of CHLOR: 22,000 PPM

Recovered \_\_\_\_\_ ft. of RW: .38 @ 60 DEG

Recovered \_\_\_\_\_ ft. of PH: 7.0

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

TOOL SAMPLE: 75% WTR, 25% MUD

Time Set Packer(s) 2:30 A.M. A.M. P.M. Time Started Off Bottom 5:30 A.M. P.M. Maximum Temperature 108°F

Initial Hydrostatic Pressure..... (A) 1634 P.S.I.  
Initial Flow Period..... Minutes 30 (B) 14 P.S.I. to (C) 69 P.S.I.  
Initial Closed In Period..... Minutes 45 (D) 1116 P.S.I.  
Final Flow Period..... Minutes 45 (E) 69 P.S.I. to (F) 138 P.S.I.  
Final Closed In Period..... Minutes 60 (G) 1117 P.S.I.  
Final Hydrostatic Pressure..... (H) 1566 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.

# DIAMOND TESTING

## Pressure Survey Report

### General Information

|                  |                              |                |                     |
|------------------|------------------------------|----------------|---------------------|
| Company Name     | L.D. DRILLING, INC.          | Job Number     | M821                |
| Well Name        | #1-15 MAULER                 | Representative | MIKE COCHRAN        |
| Unique Well ID   | DST#4 3382-3448 ARBUCKLE     | Well Operator  | L.D. DRILLING, INC. |
| Surface Location | SEC.15-18S-14W BARTON CO.KS. | Report Date    | 2016/03/14          |
| Field            | WILDCAT                      | Prepared By    | MIKE COCHRAN        |
| Well Type        | Vertical                     | Qualified By   | KIM SHOEMAKER       |
|                  |                              | Test Unit      | NO. 3               |

### Test Information

|                     |                          |                 |          |
|---------------------|--------------------------|-----------------|----------|
| Test Type           | CONVENTIONAL             |                 |          |
| Formation           | DST#4 3382-3448 ARBUCKLE |                 |          |
| Test Purpose (AEUB) | Initial Test             |                 |          |
| Start Test Date     | 2016/03/14               | Start Test Time | 00:30:00 |
| Final Test Date     | 2016/03/14               | Final Test Time | 07:35:00 |
|                     |                          | Well Fluid Type | 01 Oil   |
| Gauge Name          | 5448                     |                 |          |
| Gauge Serial Number |                          |                 |          |

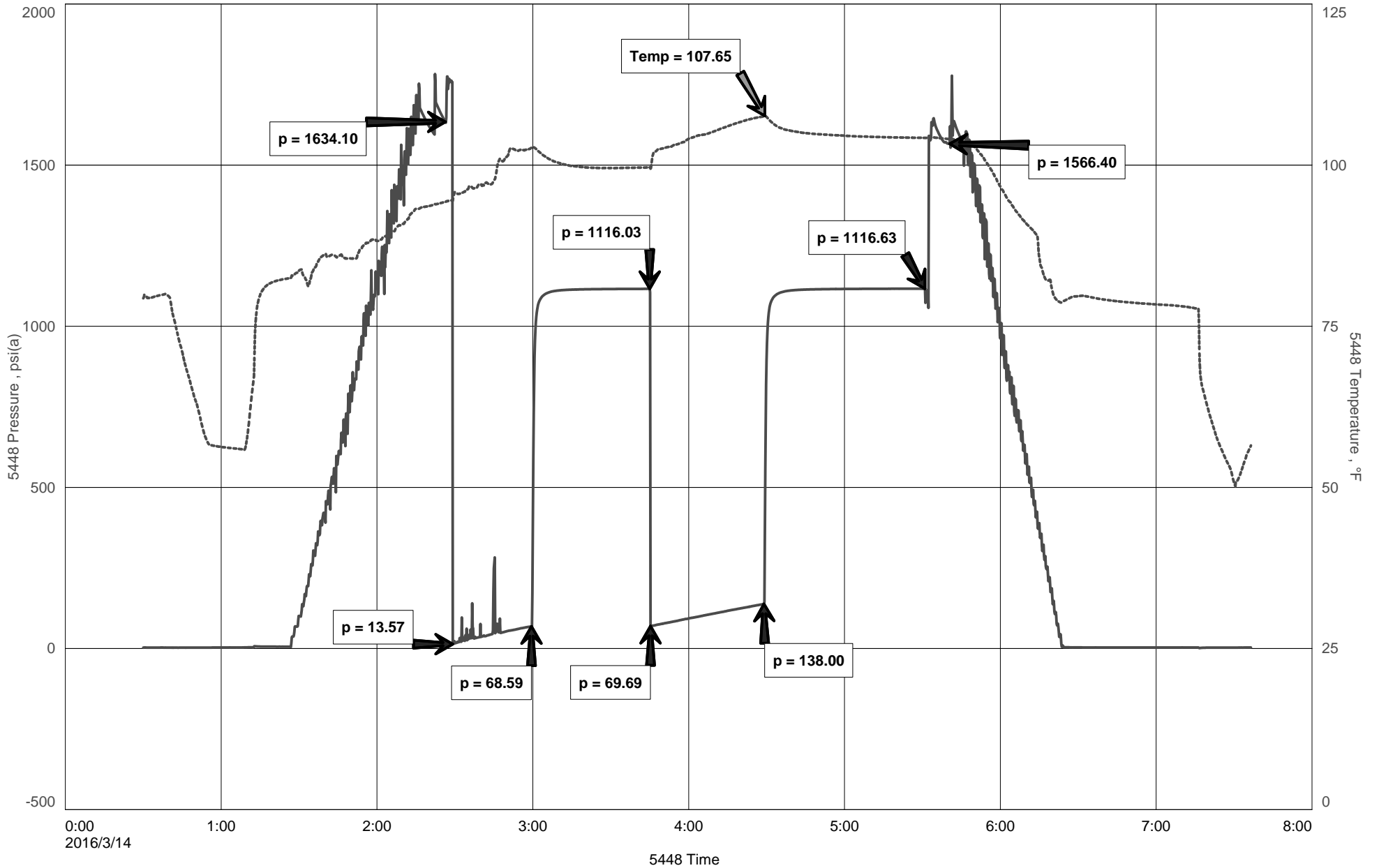
### Test Results

Remarks RECOVERED:  
270' VSGMW 81% WTR, 19% MUD W/ A FEW GASSY BUBBLES  
270' TOTAL FLUID

CHLOR: 22,000 PPM  
PH:7.0  
RW: .38 @ 60

TOOL SAMPLE: 75% WTR, 25% MUD

# #1-15 MAULER





# KIM B. SHOEMAKER

CONSULTING GEOLOGIST

316-884-9709 \* WICHITA, KS

## GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

COMPANY L. D. DRILLING, INC.

LEASE # 1-15 MAULER

FIELD \_\_\_\_\_

LOCATION 1876' FSL & 1531' FEL

SEC 15 TWPSP 18s RGE 14w

COUNTY BARTON STATE KANSAS

CONTRACTOR L. D. DRILLING, INC.

SPUD 3-7-16 COMP 3-14-16

RTO 3418 LTD \_\_\_\_\_

MUD UP 2612 TYPE MUD CHEMICAL

### ELEVATIONS

KB 1921

DF \_\_\_\_\_

CI 1916

Measurements Are All  
From 1921 KB

### CASING

SURFACE 8.5" @ 870'

PRODUCTION \_\_\_\_\_

ELECTRICAL SURVEYS \_\_\_\_\_

None

SAMPLES SAVED FROM 2800 TO 3418

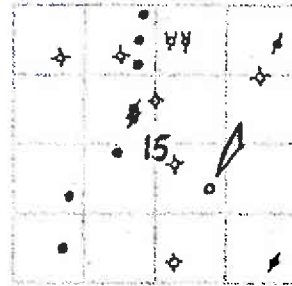
DRILLING TIME KEPT FROM 2700 TO 3418

SAMPLES EXAMINED FROM 2800 TO 3418

GEOLOGICAL SUPERVISION FROM 3200 TO 3418

GEOLOGIST ON WELL KIM B. SHOEMAKER

| FORMATION TOPS | LOG | SAMPLES   |
|----------------|-----|-----------|
| ANHYDRITE      |     | 867+1054  |
| B/ANH.         |     | 879+1042  |
| TOPEKA         |     | 2866-945  |
| HEEBNER        |     | 3100-1179 |
| BROWN LIME     |     | 3176-1255 |
| LANSING        |     | 3184-1263 |
| B/KC           |     | 3390-1469 |
| ARBUCKLE       |     | 3441-1520 |
| RTD            |     | 3448-1527 |

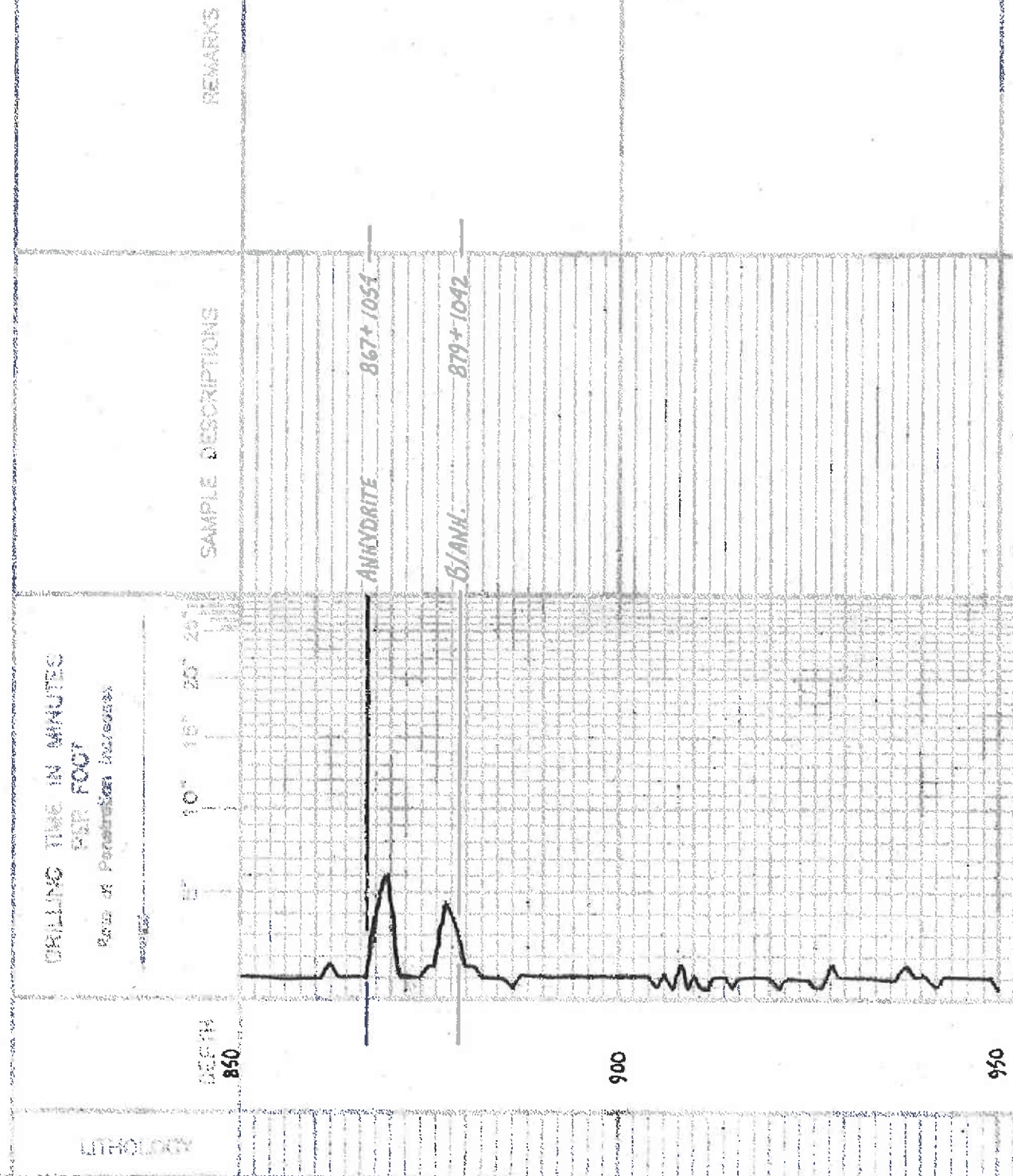


APL: 15-009 - 26/36

REMARKS  
3-7-16 SPUD  
3-8 @ 150'  
3-9 @ 870'  
3-10 @ 2155'  
3-11 @ 3110'  
3-12 @ 3260'  
3-13 @ 3385'  
3-14 @ 3418'

### LEGEND

- Dolomite
- Chert
- Oil shale
- Limestone
- Carb. ss.
- Shale
- Sandstone
- Silt
- Anhydrite



LITHOLOGY

2700

2800

2900

Samples are tagged

Sh. 119. Silty

ls. wt. 50. Foss. 50A

ls. 419. 15% Foss.

Sh. 119.

TOPEKA 2866 - 915

ls. 700. 15% Foss.

ls. 419. 15% Foss. 15% Chalk

ls. wt. Foss. 50. 50A

ls. wt. 50. Foss. Chalk

ls. wt. Foss. 50. 50A

Sh. 119. 50A

ls. 419. 50. Foss.

Sh. 119. 50. 50A

ls. 419. 50. 50A



3000

3100

3200

3300

LS. Sh. Sil. A

LS. wt. Sil. Foss.

Sh. Blk. M.S.

LS. R. D. B. R. V. Sil. Foss.

LS. wt. Y. Sil. Foss. Ch. L.

LS. Blk. M.S.

LS. wt. Sil. Foss.

LS. wt. Foss. Sil. Ch. L.

LS. wt. Foss. Sil. Ch. L.

HEBNER 3100-1179

Sh. G. Sil.

LS. wt. Y. Sil. Foss. Sil. A

Sh. Rd.

Sh. L. G. Sil. F.

Sh. Blk. M.S.

BROWN LIME 3176-1855

LS. Blk. M.S.

LS. wt. Sil. Foss. Sil. A

LS. wt. Sil. Foss. Sil. A

DST. (1) 3198-3260

1st Open: Blow 50 ft to 2"

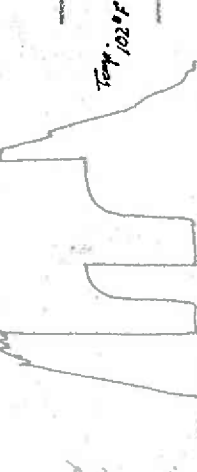
2nd Open: " " 1 1/2"

30-45-45-60

Rec. 30' Mud

FP: 12-19 20-25"

SIP: 90:90"



Tool sample: 100% Mud

LS. wt. Sil. Foss. Sil. A  
LS. wt. Sil. Foss. Sil. A  
LS. wt. Sil. Foss. Sil. A  
LS. wt. Sil. Foss. Sil. A

Sh. Blk. M.S.

LS. wt. Sil. Foss. Sil. A

LS. wt. Sil. Foss. Sil. A

LS. wt. Sil. Foss. Sil. A

LS. wt. Sil. Foss. Sil. A

Sh. Blk. M.S.

LS. wt. Sil. Foss. Sil. A

TORONTO

VIS. 100

WT. 100

VRC. 9.2

CM. 1000

DOUGLAS

DS (1)

DS (1)

DST. (2) 3312-3385

1st Open: Blow 50 ft to 1/2"

2nd Open: No Blow

30-30-30-30

Rec. 10' G.L.R.

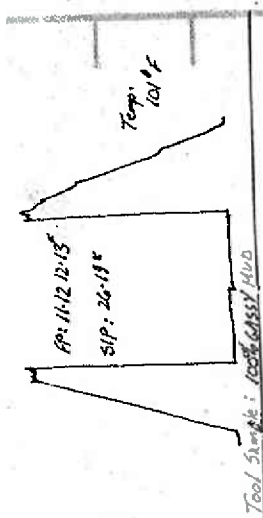
2' GM

FP: 11-12 20-15"

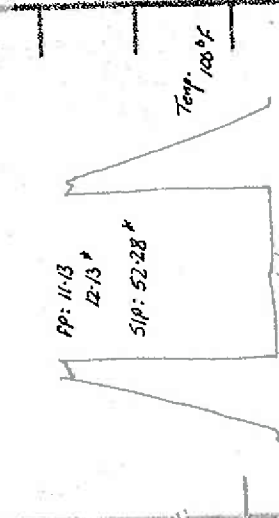
SIP: 20-15"

LS. wt. Sil. Foss. Sil. A  
LS. wt. Sil. Foss. Sil. A

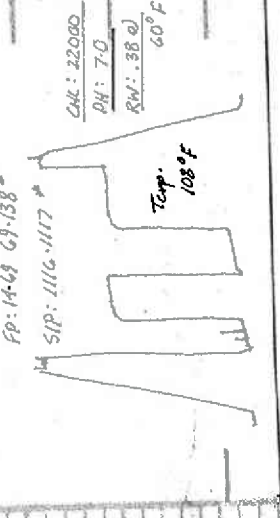
Shaly, blk  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly



Tool Sample: 100% GRASSY MUD  
**DST (3) 3380-3314**  
 1st OPEN: Blow built to 34"  
 2nd OPEN: No Blow  
 30-30-30-30  
 Rec. 1' Mud



Tool Sample: 100% GRASSY MUD  
**DST (4) 3382-3318**  
 1st OPEN: Bottom bucket 26 min.  
 2nd OPEN: " " " 25 "  
 30-45-45-60  
 Rec. 270' VSHAL w/ Pungas bubbles  
 (817.w.197.M)



CHL: 22000  
 PH: 7.0  
 RW: .38 @  
 60°F

shaly, blk  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

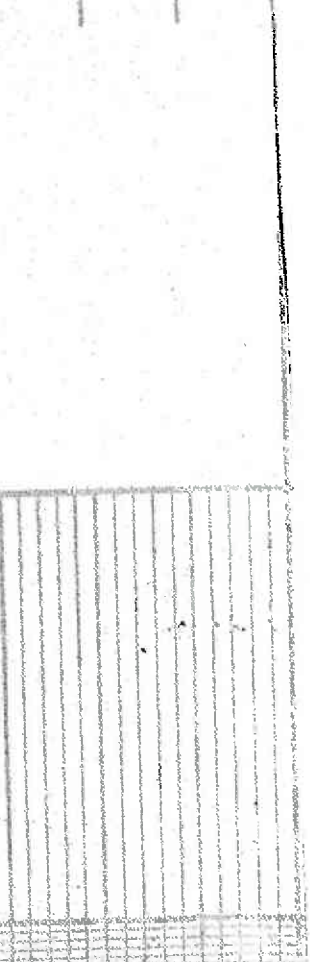
1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly



shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly

shaly  
 1/2" to 3/4" shaly, blk  
 1/2" to 3/4" shaly, blk  
 shaly



**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 13288 A

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

|                                     |             |            |     |   |                                   |  |                              |                              |                     |
|-------------------------------------|-------------|------------|-----|---|-----------------------------------|--|------------------------------|------------------------------|---------------------|
| DATE OF JOB: <u>3/14/16</u>         |             | DISTRICT   |     | 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: <u>L.D. Drilling, Inc</u> |             |            |     | LEASE: <u>Mauder</u>                            |                                   | WELL NO.: <u>1-15</u>                            |                              |                              |                     |
| ADDRESS                             |             |            |     | COUNTY: <u>Burton</u>                           |                                   | STATE: <u>Ks</u>                                 |                              |                              |                     |
| CITY                                |             |            |     | STATE   |                                   | SERVICE CREW: <u>Scotty, Shawn, Todd, Scotty</u> |                              |                              |                     |
| AUTHORIZED BY: <u>L.D. Davis</u>    |             |            |     | JOB TYPE: <u>Plug to Abandon <del>CNW</del></u> |                                   |  |                              |                              |                     |
| EQUIPMENT#                          | HRS         | EQUIPMENT# | HRS | EQUIPMENT#                                      | HRS                               | TRUCK CALLED                                     | DATE                         | AM/PM                        | TIME                |
| <u>86779</u>                        | <u>2</u>    |            |     |   |                                   |  |                              |                              |                     |
| <u>19918</u>                        | <u>1.25</u> |            |     |   |                                   |  |                              |                              |                     |
| ARRIVED AT JOB                      |             |            |     |   |                                   |  | <u>3/14/16</u>               | <u>PM</u>                    | <u>11:15</u>        |
| START OPERATION                     |             |            |     |   |                                   |  | <u>3/14/16</u>               | <u>AM</u>                    | <u>12:20</u>        |
| FINISH OPERATION                    |             |            |     |   |                                   |  | <u>3/14/16</u>               | <u>PM</u>                    | <u>4:15</u>         |
| RELEASED                            |             |            |     |   |                                   |  | <u>3/14/16</u>               | <u>PM</u>                    | <u>4:45</u>         |
| MILES FROM STATION TO WELL _____    |             |            |     |   |                                   |  |                              |                              |                     |

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      |
|---------------------|---------------------------------------|------|----------|------------|----------------|
| CP103               | 60140 FOZ                             | SK   | 220      |            | 2640.00        |
| CC 102              | Celloflake                            | lb   | 55       |            | 203.50         |
| CC 700              | Cement Gel                            | lb   | 380      |            | 95.00          |
| CF153               | Wooden Cement Plug                    | ea   | 1        |            | 160.00         |
| E 100               | Unit Mileage Charge Pickup            | MI   | 65       |            | 292.50         |
| E 101               | Heavy Equipment Mileage               | MI   | 130      |            | 975.00         |
| E 113               | Prop + Bulk Delivery Chrg             | TM   | 618      |            | 1543.75        |
| CE 204              | Depth Charge 3001-4000'               | Hrs  | 1        |            | 2160.00        |
| CE 240              | Blending + Mixing Service Charge      | SK   | 220      |            | 308.00         |
| 3003                | Serviced Super 1506 First 8 hrs       | ea   | 1        |            | 175.00         |
| SUB TOTAL           |                                       |      |          |            | <u>8552.75</u> |

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

|                     |            |                 |
|---------------------|------------|-----------------|
| SERVICE & EQUIPMENT | %TAX ON \$ |                 |
| MATERIALS           | %TAX ON \$ |                 |
| TOTAL               | <u>16</u>  | <u>4,276.38</u> |

|   |   |
|---|---|
| SERVICE REPRESENTATIVE <u>[Signature]</u> | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <u>[Signature]</u><br>(WELL OWNER OPERATOR CONTRACTOR OR AGENT) |
|---|---|

FIELD SERVICE ORDER NO.

|                                       |                             |                                      |
|---------------------------------------|-----------------------------|--------------------------------------|
| Customer<br><i>L.D. Peilling, Inc</i> | Lease No.                   | Date<br><i>3/14/16</i>               |
| Lease<br><i>Mauler</i>                | Well #<br><i>1-15</i>       |                                      |
| Field Order #<br><i>13288 A</i>       | Station<br><i>Pratt, KS</i> | Casing<br><i>4 1/2 D.P.</i>          |
| Type Job<br><i>Plug to Abandon</i>    | Depth<br><i>3420</i>        | County<br><i>Benton</i>              |
|                                       | Formation                   | State<br><i>KS</i>                   |
|                                       |                             | Legal Description<br><i>15-18-14</i> |

| PIPE DATA                            |              | PERFORATING DATA |    | FLUID USED | TREATMENT RESUME |       |                  |
|--------------------------------------|--------------|------------------|----|------------|------------------|-------|------------------|
| Casing Size                          | Tubing Size  | Shots/Ft         |    | Acid       | RATE             | PRESS | ISIP             |
| <i>4 1/2 D.P.</i>                    |              |                  |    |            |                  |       |                  |
| Depth<br><i>3420</i>                 | Depth        | From             | To | Pre Pad    | Max              |       | 5 Min.           |
| Volume<br><i>45</i>                  | Volume       | From             | To | Pad        | Min              |       | 10 Min.          |
| Max Press<br><i>500</i>              | Max Press    | From             | To | Frac       | Avg              |       | 15 Min.          |
| Well Connection<br><i>4 1/2 D.P.</i> | Annulus Vol. | From             | To |            | HHP Used         |       | Annulus Pressure |
| Plug Depth                           | Packer Depth | From             | To | Flush      | Gas Volume       |       | Total Load       |

|  |   |                                |
|--|---|--------------------------------|
| Customer Representative<br><i>Rick</i> | Station Manager<br><i>Kevin Goodley</i> | Treater<br><i>Scott Groves</i> |
| Service Units<br><i>70752</i>          | <i>78987</i>                            | <i>86779</i>                   |
| Driver Names<br><i>Scott</i>           | <i>Shawn</i>                            | <i>—</i>                       |

| Time         | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate       | Service Log   |
|--------------|-----------------|-----------------|--------------|------------|---|
| <i>11:15</i> |                 |                 |              |            | <i>On Location Safety Meeting Rig up Bottom Plug at 3420'</i> |
| <i>12:20</i> | <i>200</i>      |                 |              | <i>5</i>   | <i>Pump H2O Spacer</i>  |
| <i>12:22</i> | <i>300</i>      |                 | <i>11.2</i>  | <i>5</i>   | <i>Mix 50 sks 60/40 POZ 13.78 ppg</i>                         |
| <i>12:25</i> | <i>200</i>      |                 | <i>12.73</i> | <i>5</i>   | <i>Pump H2O Spacer</i>  |
| <i>12:26</i> | <i>150</i>      |                 | <i>3.8</i>   | <i>5</i>   | <i>Displace with mud</i>                                      |
| <i>12:31</i> | <i>0</i>        |                 | <i>41.3</i>  |            | <i>Shut down</i>  |
|              |                 |                 |              |            | <i>920'</i>   |
| <i>2:15</i>  | <i>30</i>       |                 |              | <i>4.5</i> | <i>Pump H2O Spacer</i>  |
| <i>2:17</i>  | <i>50</i>       |                 | <i>11</i>    | <i>4.5</i> | <i>Mix 50 sks 60/40 POZ 13.78 ppg</i>                         |
| <i>2:20</i>  | <i>20</i>       |                 | <i>12.73</i> | <i>4.5</i> | <i>Pump H2O spacer</i>  |
| <i>2:23</i>  | <i>0</i>        |                 | <i>3</i>     | <i>4.5</i> | <i>shut displacement w/ mud</i>                               |
| <i>2:25</i>  | <i>0</i>        |                 | <i>6</i>     |            | <i>shut down</i>  |
|              |                 |                 |              |            | <i>400'</i>   |
| <i>2:50</i>  | <i>30</i>       |                 | <i>8</i>     | <i>4.5</i> | <i>Pump H2O Spacer</i>  |
| <i>2:52</i>  | <i>50</i>       |                 | <i>5</i>     | <i>4.5</i> | <i>Mix 80 sks 60/40 POZ 13.79 ppg</i>                         |
| <i>2:58</i>  | <i>30</i>       |                 | <i>20.37</i> | <i>4.5</i> | <i>Pump H2O space</i>   |
| <i>2:59</i>  | <i>0</i>        |                 | <i>1</i>     | <i>4.5</i> | <i>Displace w/ mud</i>  |
| <i>3:00</i>  | <i>0</i>        |                 | <i>4.5</i>   |            | <i>Shut down</i>  |

|  |                             |                                      |                      |
|--|-----------------------------|--------------------------------------|----------------------|
| Customer<br><i>L.D. Drilling, Inc.</i> | Lease No.                   | Date<br><i>3/14/16</i>               |                      |
| Lease #<br><i>Master</i>               | Well #<br><i>1-15</i>       |                                      |                      |
| Field Order #<br><i>13288A</i>         | Station<br><i>Pratt, KS</i> | Casing<br><i>4 1/2 D.P.</i>          | Depth<br><i>3470</i> |
| Type Job<br><i>Plug to Abandon CNW</i> | Formation                   | County<br><i>Barber</i>              | State<br><i>KS</i>   |
|  |                             | Legal Description<br><i>15-18-14</i> |                      |

| PIPE DATA                            |              | PERFORATING DATA |    | FLUID USED |            | TREATMENT RESUME |       |                  |
|--------------------------------------|--------------|------------------|----|------------|------------|------------------|-------|------------------|
| Casing Size<br><i>4 1/2 D.P.</i>     | Tubing Size  | Shots/Ft         |    | Acid       |            | RATE             | PRESS | ISIP             |
| Depth<br><i>3470</i>                 | Depth        | From             | To | Pre Pad    | Max        |                  |       | 5 Min.           |
| Volume<br><i>45</i>                  | Volume       | From             | To | Pad        | Min        |                  |       | 10 Min.          |
| Max Press<br><i>500</i>              | Max Press    | From             | To | Frac       | Avg        |                  |       | 15 Min.          |
| Well Connection<br><i>4 1/2 D.P.</i> | Annulus Vol. | From             | To |            | HHP Used   |                  |       | Annulus Pressure |
| Plug Depth                           | Packer Depth | From             | To | Flush      | Gas Volume |                  |       | Total Load       |

|   |  |                                |
|---|--|--------------------------------|
| Customer Representative<br><i>Rich</i>    | Station Manager<br><i>Kevin Connelly</i> | Treater<br><i>Scott Graves</i> |
| Service Units<br><i>70752 78982 86779</i> |  |                                |
| Driver Names<br><i>Scott Shawn</i>        |  |                                |

| Time        | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate     | Service Log                             |
|-------------|-----------------|-----------------|--------------|----------|---|
| <i>4:05</i> | <i>Ø</i>        |                 |              | <i>3</i> | <i>Pump 1430 spacer</i>                 |
| <i>4:06</i> | <i>Ø</i>        |                 | <i>3</i>     | <i>3</i> | <i>Mix 10 sacks 60/40 Poz 15.75ppg</i>  |
| <i>4:08</i> | <i>Ø</i>        |                 | <i>2.54</i>  |          | <i>shut down</i>                        |
|             |                 |                 |              |          | <i>Cement circulated to surface</i>     |
| <i>4:12</i> | <i>Ø</i>        |                 |              | <i>3</i> | <i>Plug Rat hole 30 sacks 60/40 poz</i> |
| <i>4:15</i> | <i>Ø</i>        |                 | <i>8</i>     |          | <i>shut down</i>                        |
|             |                 |                 |              |          | <i>Job complete</i>                     |



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

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

14-185-14W

FIELD SERVICE TICKET  
1718 13023 A

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

| DATE OF JOB <b>3-8-16</b> DISTRICT <b>Pratt</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 <b>LD Drilling inc</b>                 |           | LEASE <del>XXXXXX</del> <b>hauler</b> WELL NO. <b>1-11</b>   |     |            |     |                            |               |    |    |                |
| ADDRESS   |           | COUNTY <b>Barton</b> STATE <b>Ks</b>   |     |            |     |                            |               |    |    |                |
| CITY STATE                                      |           | SERVICE CREW <b>Mattal Megan Megan</b>   |     |            |     |                            |               |    |    |                |
| AUTHORIZED BY                                   |           | JOB TYPE: <b>CON 8 7/8 SURF</b>  |     |            |     |                            |               |    |    |                |
| EQUIPMENT#                                      | HRS       | EQUIPMENT#   | HRS | EQUIPMENT# | HRS | TRUCK CALLED               | DATE          | AM | PM | TIME           |
| <b>19843</b>                                    | <b>1</b>  |  |     |            |     |                            | <b>3-8-16</b> |    |    | <b>1:00</b>    |
|   |           |  |     |            |     | ARRIVED AT JOB             |               |    |    | <b>AM 3:40</b> |
|   |           |  |     |            |     | START OPERATION            |               |    |    | <b>PM 7:00</b> |
| <b>19918</b>                                    | <b>.5</b> |  |     |            |     | FINISH OPERATION           |               |    |    | <b>AM 8:10</b> |
|   |           |  |     |            |     | RELEASED                   |               |    |    | <b>AM 9:00</b> |
|   |           |  |     |            |     | MILES FROM STATION TO WELL |               |    |    | <b>60</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: *X Rhd W...*  
(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT        |
|---------------------|---------------------------------------|------|----------|------------|------------------|
| CP 101              | A-con blend                           | SK   | 200      |            | 3,600.00         |
| CP 100              | Common                                | SK   | 200      |            | 3,200.00         |
| CC 102              | Cellulofix                            | lb   | 100      |            | 370.00           |
| CC 109              | Calcium chloride                      | lb   | 940      |            | 987.00           |
| CF 105              | Rubber Plug 8 7/8                     | EA   | 1        |            | 225.00           |
| E 100               | P.u. Mils                             | mi   | 65       |            | 292.50           |
| E 101               | heavy eq. Mils                        | mi   | 130      |            | 975.00           |
| E 113               | Prof 1 bulk d.c.                      | EA   | 1222     |            | 3,059.00         |
| CE 201              | Depth chaise 501-1000                 | 4hr  | 1        |            | 1,200.00         |
| CE 200              | blend 1 mix                           | SK   | 400      |            | 560.00           |
| CE 504              | Plug cont.                            | JOB  | 1        |            | 250.00           |
| 5003                | supervisor                            | EA   | 1        |            | 175.00           |
| SUB TOTAL           |                                       |      |          |            | <b>14,889.50</b> |

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

|                     |            |
|---------------------|------------|
| SERVICE & EQUIPMENT | %TAX ON \$ |
| MATERIALS           | %TAX ON \$ |
| TOTAL               |            |
| <b>17,444.75</b>    |            |

SERVICE REPRESENTATIVE *Mike Mattal* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *X Rhd W...*  
(WELL OWNER OPERATOR CONTRACTOR OR AGENT)

FIELD SERVICE ORDER NO.



|                                   |                  |                                |
|-----------------------------------|------------------|--------------------------------|
| Customer<br>LD Drilling           | Lease No.        | Date<br>3-8-16                 |
| Lease<br><del>XXXX</del> - Mauler | Well #<br>1-14   |                                |
| Field Order #<br>15023            | Station<br>PLATT | Casing<br>8 5/8                |
|                                   |                  | Depth                          |
| Type Job<br>Cnw 8 5/8 SURFACE     | Formation        | County<br>BARTON               |
|                                   |                  | State<br>KS                    |
|                                   |                  | Legal Description<br>14-185-23 |

| PIPE DATA            |              | PERFORATING DATA |    | FLUID USED          |                      | TREATMENT RESUME |                       |  |
|----------------------|--------------|------------------|----|---------------------|----------------------|------------------|-----------------------|--|
| Casing Size<br>8 5/8 | Tubing Size  | Shots/Ft         |    | Acid<br>CMT 200 SKS | RATE<br>A-CON 270 CC | PRESS<br>270 CC  | ISIP<br>25105 SA C.F. |  |
| Depth<br>875.7       | Depth        | From             | To | Pre Pad<br>200      | Max                  |                  | 5 Min.                |  |
| Volume<br>35.6       | Volume       | From             | To | Pad                 | Min                  |                  | 10 Min.               |  |
| Max Press<br>500     | Max Press    | From             | To | Frac                | Avg                  |                  | 15 Min.               |  |
| Well Connection      | Annulus Vol. | From             | To |                     | HHP Used             |                  | Annulus Pressure      |  |
| Plug Depth<br>872.70 | Packer Depth | From             | To | Flush<br>54.2       | Gas Volume           |                  | Total Load            |  |

|                               |                                  |                        |
|-------------------------------|----------------------------------|------------------------|
| Customer Representative<br>LD | Station Manager<br>Kevin Goldrey | Treater<br>Mike Marral |
| Service Units<br>37550        | 19843                            | 77686 19918            |
| Driver Names<br>Marral        | McGraw                           | McGraw                 |

| Time    | Casing Pressure | Tubing Pressure | Bbls. Pumped | Rate | Service Log                        |
|---------|-----------------|-----------------|--------------|------|------------------------------------|
| 3:40 PM |                 |                 |              |      | ON location / SAFETY meeting       |
| 6:30    |                 |                 |              |      | run 8 5/8 casing 25'               |
| 7:05    |                 |                 |              |      | casing on bottom                   |
| 7:15    |                 |                 |              |      | Hook to casing / Break circ w. Rig |
| 7:27    | 200             |                 | 3            | 5.5  | Pump 3 bbl water                   |
| 7:29    | 200             |                 | 88           | 5.5  | Mix 200 SKS A-CON @ 12 PPg         |
| 7:44    | 250             |                 | 43           | 6    | Mix 200 SKS common @ 15.6 PPg      |
| 7:55    |                 |                 |              |      | Release Plug                       |
| 7:57    | 300             |                 |              | 5    | STAT Displacement                  |
| 8:08    | 350             |                 | 54.2         |      | Plug Down, Shut in well            |
|         |                 |                 |              |      | CMT TO SURFACE 10 BBL TO PIT       |
|         |                 |                 |              |      | JOB complete                       |
|         |                 |                 |              |      | Thank You!                         |
|         |                 |                 |              |      | Mike Marral                        |
|         |                 |                 |              |      | Mike + E.J.                        |