



Confidentiality Requested:

Yes  No

KANSAS CORPORATION COMMISSION 1221407  
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: \_\_\_\_\_

1221407

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

|           |                          |
|-----------|--------------------------|
| Form      | ACO1 - Well Completion   |
| Operator  | Valhalla Exploration LLC |
| Well Name | KK 1-22                  |
| Doc ID    | 1221407                  |

All Electric Logs Run

|      |
|------|
|      |
| DIL  |
| DUCP |
| MEL  |
| BHCS |
| FFL  |

|           |                          |
|-----------|--------------------------|
| Form      | ACO1 - Well Completion   |
| Operator  | Valhalla Exploration LLC |
| Well Name | KK 1-22                  |
| Doc ID    | 1221407                  |

Tops

| Name   | Top  | Datum |
|--------|------|-------|
| TOP    | 2470 | -716  |
| PLATTS | 2677 | -923  |
| HEEB   | 2732 | -978  |
| BR LM  | 2848 | -1094 |
| LANS   | 2869 | -1115 |
| STARK  | 3075 | -1321 |
| BKC    | 3133 | -1379 |
| QTZ    | 3161 | -1407 |





## DRILL STEM TEST REPORT

Prepared For: **Valhalla Exploration LLC**

8100 East 22nd Street North  
Building 1800-2  
Wichita Kansas

ATTN: Derek Patterson

**KK #1-22**

**22/18S/10W/Rice**

Start Date: 2014.07.19 @ 17:30:00

End Date: 2014.07.19 @ 23:49:30

Job Ticket #: 18273                      DST #: 1

Superior Testers Enterprises LLC  
PO Box 138 Great Bend KS 67530  
1-800-792-6902

Printed: 2014.07.20 @ 00:05:01



# DRILL STEM TEST REPORT

Valhalla Exploration LLC

22/18S/10W/Rice

8100 East 22nd Street North  
 Building 1800-2  
 Wichita Kansas  
 ATTN: Derek Patterson

**KK #1-22**

Job Ticket: 18273

**DST#: 1**

Test Start: 2014.07.19 @ 17:30:00

## GENERAL INFORMATION:

Formation: **Topeka-Plattsmouth**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 19:08:30

Time Test Ended: 23:49:30

Test Type: Conventional Bottom Hole (Initial)

Tester: Ken Swinney

Unit No: 3325 Great Bend/54

**Interval: 2668.00 ft (KB) To 2697.00 ft (KB) (TVD)**

Reference Elevations: 1754.00 ft (KB)

Total Depth: 2697.00 ft (KB) (TVD)

1746.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 6749**

**Inside**

Press@RunDepth: 120.27 psig @ 2693.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.19

End Date: 2014.07.19

Last Calib.: 2014.07.19

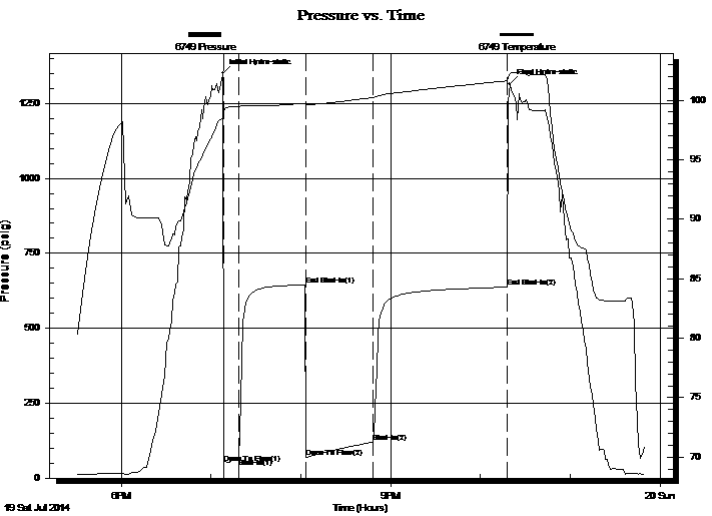
Start Time: 17:30:00

End Time: 23:49:30

Time On Btm: 2014.07.19 @ 19:08:00

Time Off Btm: 2014.07.19 @ 22:19:30

**TEST COMMENT:** 1ST Open 10 Minutes/Fair blow/Blow built to 7 inches  
 1ST Shut in 45 Minutes/No blow back  
 2ND Open 45 Minutes/Fair blow/Blow built to bottom of bucket in 27 minutes  
 2ND Shut In 90 Minutes/No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1351.15         | 99.02        | Initial Hydro-static |
| 1           | 48.01           | 99.06        | Open To Flow (1)     |
| 11          | 64.98           | 99.44        | Shut-In(1)           |
| 55          | 645.45          | 99.75        | End Shut-In(1)       |
| 56          | 69.38           | 99.63        | Open To Flow (2)     |
| 100         | 120.27          | 100.23       | Shut-In(2)           |
| 190         | 637.15          | 101.64       | End Shut-In(2)       |
| 192         | 1315.19         | 102.24       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 160.00      | Muddy Water with show of oil  | 2.24         |
| 0.00        | Mud 15% Water 85%             | 0.00         |
| 1.00        | Clean Oil 100%                | 0.01         |
| 0.00        | Recovery Chlorides 24,000 ppm | 0.00         |
|             |                               |              |
|             |                               |              |

## Gas Rates

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



# DRILL STEM TEST REPORT

Valhalla Exploration LLC

**22/18S/10W/Rice**

8100 East 22nd Street North  
 Building 1800-2  
 Wichita Kansas  
 ATTN: Derek Patterson

**KK #1-22**

Job Ticket: 18273

**DST#: 1**

Test Start: 2014.07.19 @ 17:30:00

## GENERAL INFORMATION:

Formation: **Topeka-Plattsmouth**

Deviated: No Whipstock: ft (KB)

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Tester: Ken Swinney

Unit No: 3325 Great Bend/54

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Reference Elevations: 1754.00 ft (KB)

Total Depth: 2697.00 ft (KB) (TVD)

1746.00 ft (CF)

Hole Diameter: 7.80 inches Hole Condition: Poor

KB to GR/CF: 8.00 ft

**Serial #: 6663 Outside**

Press@RunDepth: 636.60 psig @ 2694.00 ft (KB)

Capacity: 5000.00 psig

Start Date: 2014.07.19

End Date: 2014.07.19

Last Calib.: 2014.07.19

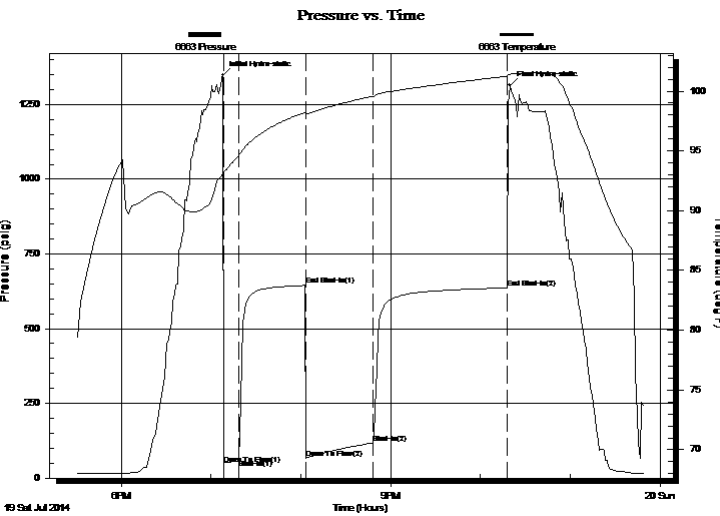
Start Time: 17:30:00

End Time: 23:49:30

Time On Btm: 2014.07.19 @ 19:08:00

Time Off Btm: 2014.07.19 @ 22:19:30

**TEST COMMENT:** 1ST Open 10 Minutes/Fair blow/Blow built to 7 inches  
 1ST Shut in 45 Minutes/No blow back  
 2ND Open 45 Minutes/Fair blow/Blow built to bottom of bucket in 27 minutes  
 2ND Shut In 90 Minutes/No blow back



## PRESSURE SUMMARY

| Time (Min.) | Pressure (psig) | Temp (deg F) | Annotation           |
|-------------|-----------------|--------------|----------------------|
| 0           | 1347.31         | 93.37        | Initial Hydro-static |
| 1           | 47.48           | 93.17        | Open To Flow (1)     |
| 11          | 62.69           | 94.59        | Shut-In(1)           |
| 55          | 644.79          | 98.21        | End Shut-In(1)       |
| 56          | 67.96           | 98.08        | Open To Flow (2)     |
| 100         | 117.95          | 99.56        | Shut-In(2)           |
| 190         | 636.60          | 101.23       | End Shut-In(2)       |
| 192         | 1314.40         | 101.42       | Final Hydro-static   |

## Recovery

| Length (ft) | Description                   | Volume (bbl) |
|-------------|-------------------------------|--------------|
| 160.00      | Muddy Water with show of oil  | 2.24         |
| 0.00        | Mud 15% Water 85%             | 0.00         |
| 1.00        | Clean Oil 100%                | 0.01         |
| 0.00        | Recovery Chlorides 24,000 ppm | 0.00         |
|             |                               |              |
|             |                               |              |

## Gas Rates

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





# DRILL STEM TEST REPORT

TOOL DIAGRAM

Valhalla Exploration LLC

22/18S/10W/Rice

8100 East 22nd Street North  
 Building 1800-2  
 Wichita Kansas  
 ATTN: Derek Patterson

KK #1-22

Job Ticket: 18273

DST#: 1

Test Start: 2014.07.19 @ 17:30:00

## Tool Information

|                           |                    |                       |                                |                                    |
|---------------------------|--------------------|-----------------------|--------------------------------|------------------------------------|
| Drill Pipe:               | Length: 2665.00 ft | Diameter: 3.80 inches | Volume: 37.38 bbl              | Tool Weight: 2000.00 lb            |
| Heavy Wt. Pipe:           | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight set on Packer: 20000.00 lb  |
| Drill Collar:             | Length: 0.00 ft    | Diameter: 0.00 inches | Volume: 0.00 bbl               | Weight to Pull Loose: 42000.00 lb  |
|                           |                    |                       | <u>Total Volume: 37.38 bbl</u> | Tool Chased 0.00 ft                |
| Drill Pipe Above KB:      | 24.00 ft           |                       |                                | String Weight: Initial 38000.00 lb |
| Depth to Top Packer:      | 2668.00 ft         |                       |                                | Final 39000.00 lb                  |
| Depth to Bottom Packer:   | ft                 |                       |                                |                                    |
| Interval between Packers: | 29.00 ft           |                       |                                |                                    |
| Tool Length:              | 56.00 ft           |                       |                                |                                    |
| Number of Packers:        | 2                  | Diameter: 6.75 inches |                                |                                    |

Tool Comments:

## Tool Description

| Tool Description          | Length (ft)  | Serial No. | Position | Depth (ft) | Accum. Lengths             |
|---------------------------|--------------|------------|----------|------------|----------------------------|
| Shut-In Tool              | 5.00         |            |          | 2646.00    |                            |
| Hydraulic tool            | 5.00         |            |          | 2651.00    |                            |
| Jars                      | 5.00         |            |          | 2656.00    |                            |
| Safety Joint              | 2.00         |            |          | 2658.00    |                            |
| Top Packer                | 5.00         |            |          | 2663.00    |                            |
| Packer                    | 5.00         |            |          | 2668.00    | 27.00 Bottom Of Top Packer |
| Anchor                    | 24.00        |            |          | 2692.00    |                            |
| Recorder                  | 1.00         | 6749       | Inside   | 2693.00    |                            |
| Recorder                  | 1.00         | 6663       | Outside  | 2694.00    |                            |
| Bullnose                  | 3.00         |            |          | 2697.00    | 29.00 Anchor Tool          |
| <b>Total Tool Length:</b> | <b>56.00</b> |            |          |            |                            |



# DRILL STEM TEST REPORT

FLUID SUMMARY

Valhalla Exploration LLC

22/18S/10W/Rice

8100 East 22nd Street North  
Building 1800-2  
Wichita Kansas  
ATTN: Derek Patterson

KK #1-22

Job Ticket: 18273

DST#: 1

Test Start: 2014.07.19 @ 17:30:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 8.79 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 6500.00 ppm  
Filter Cake: 1.00 inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

| Length<br>ft | Description                   | Volume<br>bbl |
|--------------|-------------------------------|---------------|
| 160.00       | Muddy Water with show of oil  | 2.244         |
| 0.00         | Mud 15% Water 85%             | 0.000         |
| 1.00         | Clean Oil 100%                | 0.014         |
| 0.00         | Recovery Chlorides 24,000 ppm | 0.000         |

Total Length: 161.00 ft      Total Volume: 2.258 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

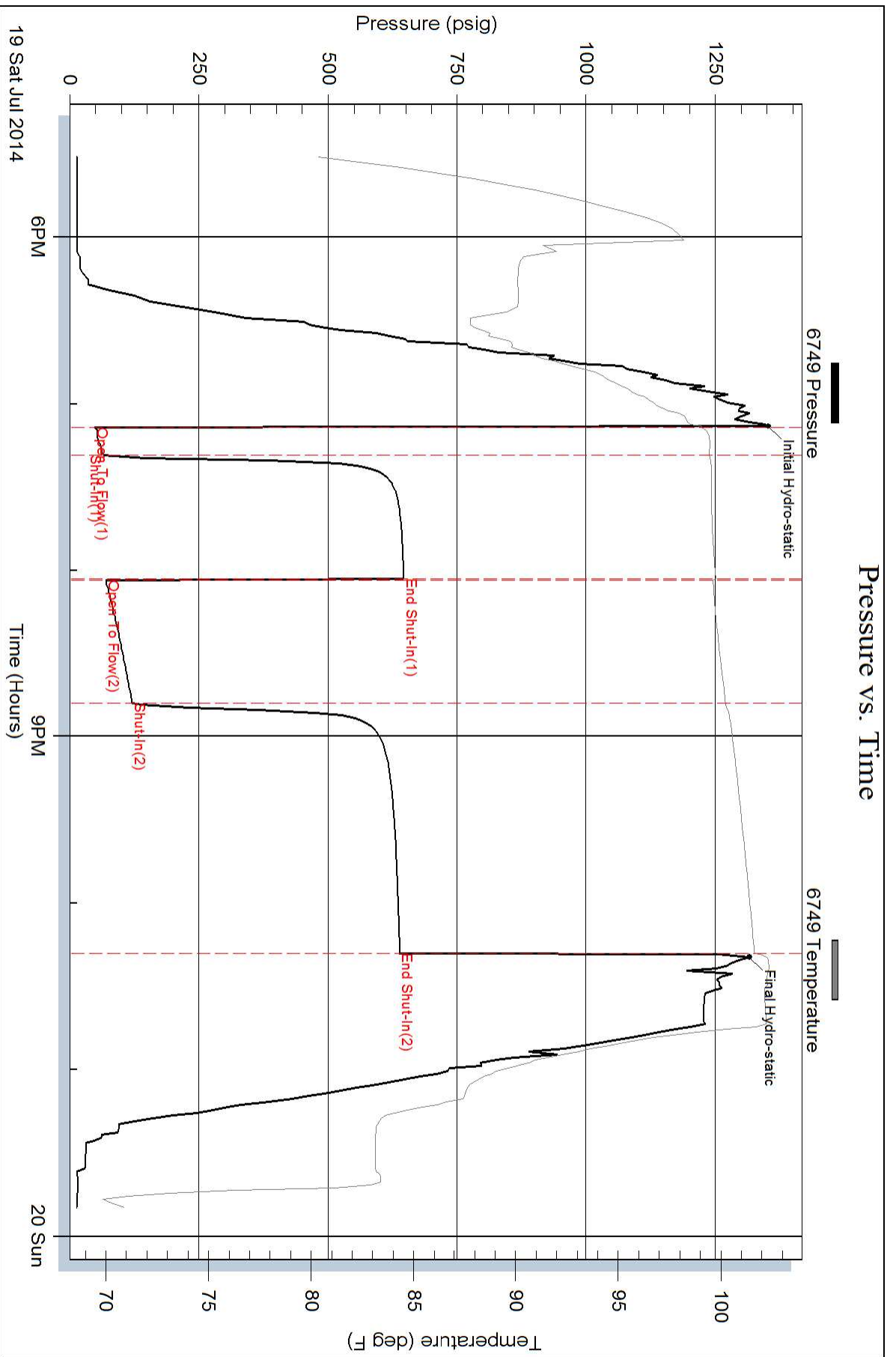
Serial #:

Laboratory Name:

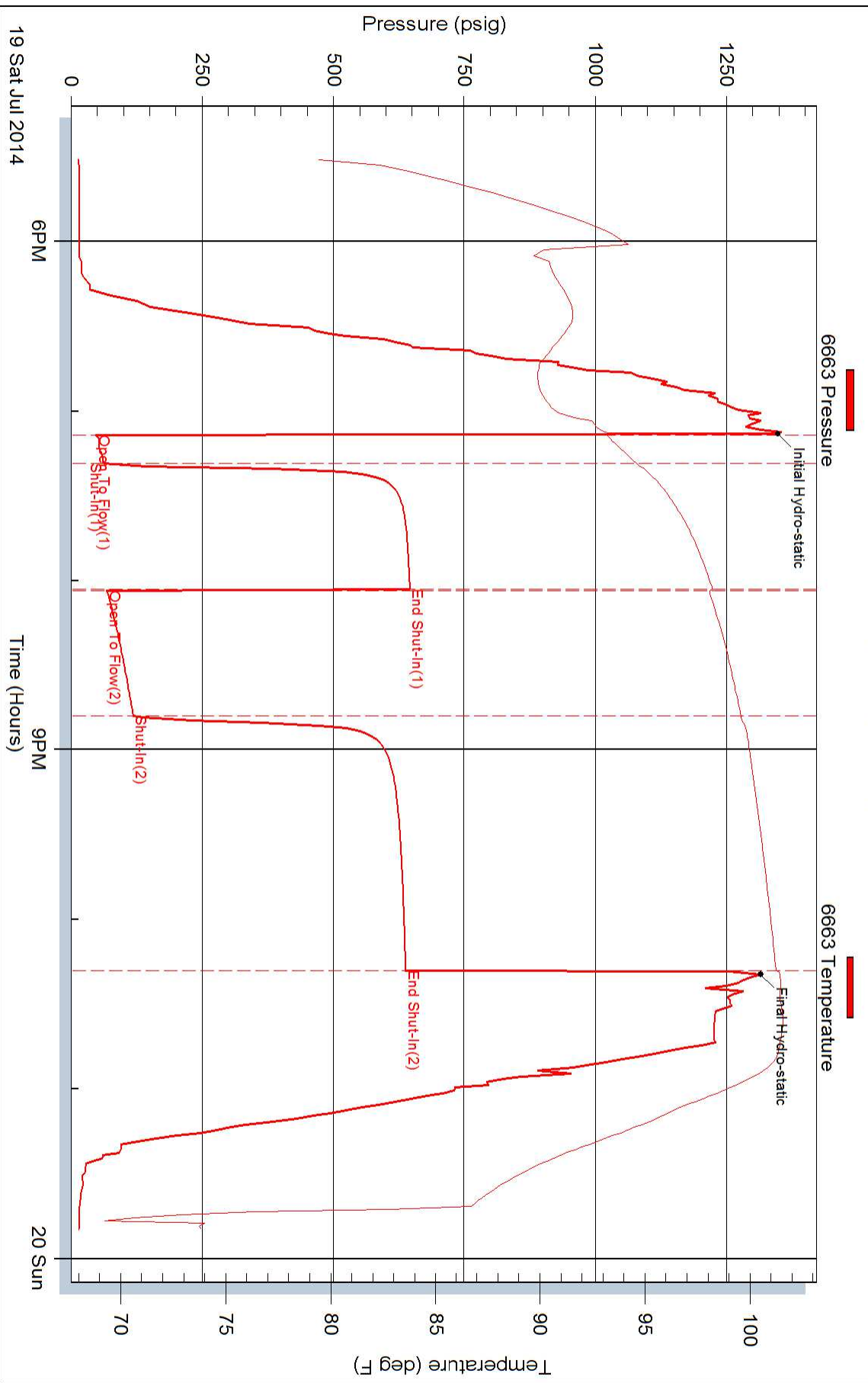
Laboratory Location:

Recovery Comments:

### Pressure vs. Time



### Pressure vs. Time



RECEIVED JUL 24 2014



|                       |         |        |              |
|-----------------------|---------|--------|--------------|
| PAGE                  | CUST NO | YARD # | INVOICE DATE |
| 1 of 1                | 1007761 | 1718   | 07/22/2014   |
| <b>INVOICE NUMBER</b> |         |        |              |
| <b>91547543</b>       |         |        |              |

Pratt (620) 672-1201  
 B VALHALLA EXPLORATION LLC  
 I 8100 EAST 22ND STREET N 1800-2  
 L WICHITA  
 L KS US 67226  
 T  
 O ATTN: KENNEDY

J LEASE NAME KK 1-22  
 O LOCATION  
 B COUNTY Rice  
 S STATE KS  
 I JOB DESCRIPTION Cement-New Well Casing/Pi  
 T  
 E JOB CONTACT

| JOB #    | EQUIPMENT # | PURCHASE ORDER NO. | TERMS         | DUE DATE   |
|----------|-------------|--------------------|---------------|------------|
| 40746147 | 19905       |                    | Net - 30 days | 08/21/2014 |

|  | QTY      | U of M | UNIT PRICE | INVOICE AMOUNT |
|--|----------|--------|------------|----------------|
| <i>For Service Dates: 07/17/2014 to 07/17/2014</i> |          |        |            |                |
| 0040746147   |          |        |            |                |
| 171810787A Cement-New Well Casing/Pi 07/17/2014    |          |        |            |                |
| Cement 13 3/8 Conductor                            |          |        |            |                |
| Common Cement                                      | 360.00   | EA     | 9.12       | 3,283.34 T     |
| Celloflake   | 180.00   | EA     | 2.11       | 379.64 T       |
| Calcium Chloride                                   | 1,017.00 | EA     | 0.60       | 608.70 T       |
| Cement Gel   | 678.00   | EA     | 0.14       | 96.62 T        |
| "Unit Mileage Chg (PU, cars one way)"              | 75.00    | MI     | 2.42       | 181.69         |
| Heavy Equipment Mileage                            | 150.00   | MI     | 3.99       | 598.52         |
| "Proppant & Bulk Del. Chgs., per ton mil           | 1,271.00 | EA     | 1.25       | 1,593.90       |
| Depth Charge; 0-500'                               | 1.00     | EA     | 570.02     | 570.02         |
| Blending & Mixing Service Charge                   | 360.00   | BAG    | 0.80       | 287.29         |
| "Service Supervisor, first 8 hrs on loc.           | 1.00     | EA     | 99.75      | 99.75          |

|                           |                                      |                      |                 |
|---------------------------|--------------------------------------|----------------------|-----------------|
| <b>PLEASE REMIT TO:</b>   | <b>SEND OTHER CORRESPONDENCE TO:</b> | <b>SUB TOTAL</b>     | <b>7,699.47</b> |
| BASIC ENERGY SERVICES, LP | BASIC ENERGY SERVICES, LP            | <b>TAX</b>           | <b>312.33</b>   |
| PO BOX 841903             | 801 CHERRY ST, STE 2100              | <b>INVOICE TOTAL</b> | <b>8,011.80</b> |
| DALLAS, TX 75284-1903     | FORT WORTH, TX 76102                 |                      |                 |



**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 10787 A

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

|                              |                 |  |                                   |                                      |                              |                              |                     |    |       |
|------------------------------|-----------------|--|-----------------------------------|--------------------------------------|------------------------------|------------------------------|---------------------|----|-------|
| DATE OF JOB: 7-17-14         | DISTRICT: Pratt | 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: VALLHALLA EYPL 11C |                 | LEASE: KK                                    |                                   | WELL NO. 1-22                        |                              |                              |                     |    |       |
| ADDRESS:                     |                 | COUNTY: Rice                                 |                                   | STATE: KS                            |                              |                              |                     |    |       |
| CITY:                        |                 | STATE:                                       |                                   | SERVICE CREW: MATTAL Mcgraw G.B.S.O. |                              |                              |                     |    |       |
| AUTHORIZED BY:               |                 | JOB TYPE: CNU CONDUCTO                       |                                   |                                      |                              |                              |                     |    |       |
| EQUIPMENT#                   | HRS             | EQUIPMENT#                                   | HRS                               | EQUIPMENT#                           | HRS                          | TRUCK CALLED                 | DATE                | AM | TIME  |
| 37586                        | 1               |  |                                   |                                      |                              |                              | 7-16-14             |    | 7:30  |
|                              |                 |  |                                   |                                      |                              | ARRIVED AT JOB               |                     | AM | 10:00 |
|                              |                 |  |                                   |                                      |                              | START OPERATION              |                     | AM | 11:40 |
|                              |                 |  |                                   |                                      |                              | FINISH OPERATION             |                     | AM | 12:15 |
|                              |                 |  |                                   |                                      |                              | RELEASED                     |                     | AM | 1:00  |
|                              |                 |  |                                   |                                      |                              | MILES FROM STATION TO WELL   |                     |    | 75    |

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

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

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

| ITEM/PRICE REF. NO. | MATERIAL, EQUIPMENT AND SERVICES USED | UNIT | QUANTITY | UNIT PRICE | \$ AMOUNT |
|---------------------|---------------------------------------|------|----------|------------|-----------|
| CP 100C             | COMMON CRT                            | SK   | 360      |            | 5,760.00  |
| CC 102              | CELLULOSE                             | LB   | 180      |            | 666.00    |
| CC 109              | CALCIUM CHLORIDE                      | LB   | 1017     |            | 1,067.85  |
| CC 200              | CEMENT 5-1                            | LB   | 1678     |            | 169.80    |
| E 100               | P.V. Miles                            | Mi   | 75       |            | 318.75    |
| E 101               | Heavy eq miles                        | Mi   | 150      |            | 1,050.00  |
| E 113               | PROP + BUTK D-1                       | TM   | 1271     |            | 2,796.75  |
| C-200               | D-PTA charge 0-500'                   | Hr   | 1        |            | 1,000.00  |
| C-240               | BLEND + MIX CHARGE                    | SK   | 360      |            | 504.00    |
| S 003               | SUPPLIES                              | EA   | 1        |            | 175.00    |

SUB TOTAL 7,699.47

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

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

|                                     |  |
|-------------------------------------|--|
| SERVICE REPRESENTATIVE: Mike MATTAL | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> |
| FIELD SERVICE ORDER NO.:            | (WELL OWNER OPERATOR CONTRACTOR OR AGENT)  |

CLOUD LITHO - Abilene, TX

ENERGY SERVICES Phone 620-672-1201  
PRESSURE PUMPING & WIRELINE

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

|                              |                 |                                   |                                   |                                      |                              |                              |                     |    |      |
|------------------------------|-----------------|-----------------------------------|-----------------------------------|--------------------------------------|------------------------------|------------------------------|---------------------|----|------|
| DATE OF JOB: 7-17-14         | DISTRICT: Pratt | 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: VALLHALLA EYPL 11C |                 | LEASE: KK                         |                                   | WELL NO.:                            |                              |                              |                     |    |      |
| ADDRESS:                     |                 | COUNTY: Rice                      |                                   | STATE: KS                            |                              |                              |                     |    |      |
| CITY:                        |                 | STATE:                            |                                   | SERVICE CREW: MATTAL Mcgraw G.B.S.O. |                              |                              |                     |    |      |
| AUTHORIZED BY:               |                 | JOB TYPE: CNU CONDUCTO            |                                   |                                      |                              |                              |                     |    |      |
| EQUIPMENT#                   | HRS             | EQUIPMENT#                        | HRS                               | EQUIPMENT#                           | HRS                          | TRUCK CALLED                 | DATE                | AM | TIME |
|                              |                 |                                   |                                   |                                      |                              |                              | 7-17-14             |    |      |
|                              |                 |                                   |                                   |                                      |                              | ARRIVED AT JOB               |                     | AM |      |
|                              |                 |                                   |                                   |                                      |                              | START OPERATION              |                     | AM | 11   |
|                              |                 |                                   |                                   |                                      |                              | FINISH OPERATION             |                     | AM |      |
|                              |                 |                                   |                                   |                                      |                              | RELEASED                     |                     | AM | 1    |
|                              |                 |                                   |                                   |                                      |                              | MILES FROM STATION TO WELL   |                     |    | 7    |

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 |
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| CP 100C             | COMMON CRT                            | SK   | 360      |            | 5,760.00  |
| CC 102              | CELLULOSE                             | LB   | 180      |            | 666.00    |
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| CC 200              | CEMENT 5-1                            | LB   | 1678     |            | 169.80    |
| E 100               | P.V. Miles                            | Mi   | 75       |            | 318.75    |
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| E 113               | PROP + BUTK D-1                       | TM   | 1271     |            | 2,796.75  |
| C-200               | D-PTA charge 0-500'                   | Hr   | 1        |            | 1,000.00  |
| C-240               | BLEND + MIX CHARGE                    | SK   | 360      |            | 504.00    |
| S 003               | SUPPLIES                              | EA   | 1        |            | 175.00    |

SUB TOTAL 7,699.47

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

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

|                                     |  |
|-------------------------------------|--|
| SERVICE REPRESENTATIVE: Mike MATTAL | THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: <i>[Signature]</i> |
| FIELD SERVICE ORDER NO.:            | (WELL OWNER OPERATOR CONTRACTOR OR AGENT)  |

CLOUD LITHO - Abilene, TX

|                                   |                      |                                   |
|-----------------------------------|----------------------|-----------------------------------|
| Customer <b>VAILHALLA EXPL. 1</b> | Lease No.            | Date <b>7-17-14</b>               |
| Lease <b>KK 10</b>                | Well # <b>1-22</b>   |                                   |
| Field Order # <b>10787</b>        | Station <b>PRATT</b> | Casing <b>13 3/8</b>              |
|                                   |                      | Depth <b>375</b>                  |
| Type Job <b>CNW CONDUCT</b>       | Formation            | County <b>Rice</b>                |
|                                   |                      | State <b>KS</b>                   |
|                                   |                      | Legal Description <b>22-18-10</b> |

| PIPE DATA                  |              | PERFORATING DATA |    | FLUID USED                      |            | TREATMENT RESUME |                    |  |
|----------------------------|--------------|------------------|----|---------------------------------|------------|------------------|--------------------|--|
| Casing Size <b>13 3/8</b>  | Tubing Size  | Shots/Ft         |    | Acid <b>360 COMMON 2 1/2 5-</b> | RATE       | PRESS            | ISIP <b>1/2 CF</b> |  |
| Depth <b>375</b>           | Depth        | From             | To | Pre Pad                         | Max        |                  | 5 Min.             |  |
| Volume <b>57</b>           | Volume       | From             | To | Pad                             | Min        |                  | 10 Min.            |  |
| Max Press <b>300</b>       | Max Press    | From             | To | Frac                            | Avg        |                  | 15 Min.            |  |
| Well Connection <b>5 V</b> | Annulus Vol. | From             | To |                                 | HHP Used   |                  | Annulus Pressure   |  |
| Plug Depth <b>360</b>      | Packer Depth | From             | To | Flush <b>54.5</b>               | Gas Volume |                  | Total Load         |  |

|  |                                     |                           |
|--|-------------------------------------|---------------------------|
| Customer Representative <b>Kelly Brian</b> | Station Manager <b>Kevin Guindy</b> | Treater <b>Mike Mattm</b> |
| Service Units <b>37586</b>                 | <b>77686</b>                        | <b>19905</b>              |
| Driver Names <b>MATTM</b>                  | <b>McGraw</b>                       | <b>Gibson</b>             |
|  |                                     | <b>70959</b>              |
|  |                                     | <b>19918</b>              |

| Time  | Casing Pressure | Tubing Pressure | Bbbs. Pumped | Rate | Service Log                               |
|-------|-----------------|-----------------|--------------|------|---|
| 10:00 |                 |                 |              |      | ON LOCATION / SATISFY MATTM               |
| 10:30 |                 |                 |              |      | Run 13 3/8 casing                         |
| 12:10 |                 |                 |              |      | Casing on Bottom                          |
| 12:35 |                 |                 |              |      | Hook to casing / Break circ. w. Reg       |
| 12:40 | 200             |                 | 3            | 6    | Pump 3 1/2 H <sub>2</sub> O               |
| 12:41 | 200             |                 | 86           | 6    | Mix 360 SUS. COMMON C4.                   |
| 1:04  | 200             |                 | -            | 5    | START DISP.                               |
| 1:15  | 300             |                 | 54.5         | -    | Plug Down, shut in well<br>30 BBLs TO PIT |
|       |                 |                 |              |      | JOB COMPLETE                              |
|       |                 |                 |              |      | THANK YOU!                                |
|       |                 |                 |              |      | MIKE MATTM                                |