Confidentiality Requested: Yes No

### **KANSAS CORPORATION COMMISSION 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 #                                    | API No. 15   |
|--|--|
| Name:  | Spot Description:  |
| Address 1:   |  |
| Address 2:   | Feet from Dorth / South Line of Section                    |
| City: State: Zip:+                                     | Feet from East / West Line of Section                      |
| Contact Person:  | Footages Calculated from Nearest Outside Section Corner:   |
| Phone: ()  |  |
| CONTRACTOR: License #                                  | GPS Location: Lat:, Long:                                  |
| Name:  | (e.g. xx.xxxxx) (e.gxxx.xxxxx)<br>Datum: NAD27 NAD83 WGS84 |
| Wellsite Geologist:                                    | County:  |
| Purchaser:   | Lease Name: Well #:  |
| Designate Type of Completion:                          | Field Name:  |
| New Well Re-Entry Workover                             | Producing Formation:                                       |
|  | Elevation: Ground: Kelly Bushing:                          |
| Gas D&A ENHR SIGW                                      | Total Vertical Depth: Plug Back Total Depth:               |
| OG GSW Temp. Abd. CM (Coal Bed Methane)                | Amount of Surface Pipe Set and Cemented at: Feet           |
| Cathodic Other (Core, Expl., etc.):                    | Multiple Stage Cementing Collar Used?                      |
| If Workover/Re-entry: Old Well Info as follows:        | If yes, show depth set: Feet                               |
| Operator:  | If Alternate II completion, cement circulated from:        |
| Well Name:   | feet depth to:w/sx cmt.                                    |
| Original Comp. Date: Original Total Depth:             |  |
| Deepening Re-perf. Conv. to ENHR Conv. to SWD          | Drilling Fluid Management Plan                             |
| Plug Back   Conv. to GSW   Conv. to Producer           | (Data must be collected from the Reserve Pit)              |
|  | Chloride content: ppm Fluid volume: bbls                   |
| Commingled Permit #:                                   | Dewatering method used:                                    |
| Dual Completion Permit #:      SWD Permit #:           | Leastion of fluid dispaced if hould off-it-                |
| SWD         Permit #:           ENHR         Permit #: | Location of fluid disposal if hauled offsite:              |
| GSW         Permit #:                                  | Operator Name:   |
|  | Lease Name: License #:                                     |
| Orand Data and Data Data Data dTD Oranglating Data and | Quarter Sec Twp S. R East West                             |

County:

Spud Date or **Recompletion Date**  Date Reached TD

Completion Date or **Recompletion Date** 

> **KCC Office Use ONLY** Confidentiality Requested Date: Confidential Release Date: \_ Wireline Log Received **Geologist Report Received** UIC Distribution ALT I I II Approved by: Date:

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

|  | Page Two                      | 1222571   |
|--|-------------------------------|---|
| Operator Name:   | Lease Name:                   | Well #:   |
| Sec TwpS. R East _ West  | County:                       |   |
| INCTOLICTIONS: Chow important tapa of formations ponetrated. Dat | ail all aaraa Bapart all fina | l conice of drill stome tests giving interval tested, time test |

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 Yes<br>(Attach Additional Sheets) |                      | Yes No                       |                          | 0                  | on (Top), Depth ar |                   | Sample                        |
|--|----------------------|------------------------------|--------------------------|--------------------|--------------------|-------------------|-------------------------------|
| Samples Sent to Geolog                                   | ical Survey          | Yes No                       | Nam                      | 9                  |                    | Тор               | Datum                         |
| Cores Taken<br>Electric Log Run                          |                      | Yes No<br>Yes No             |                          |                    |                    |                   |                               |
| List All E. Logs Run:                                    |                      |                              |                          |                    |                    |                   |                               |
| CASING RECORD New Used                                   |                      |                              |                          |                    |                    |                   |                               |
|  |                      | Report all strings set-c     | conductor, surface, inte | rmediate, producti | on, etc.           |                   |                               |
| Purpose of String  | Size Hole<br>Drilled | Size Casing<br>Set (In O.D.) | Weight<br>Lbs. / Ft.     | Setting<br>Depth   | Type of<br>Cement  | # Sacks<br>Used   | Type and Percent<br>Additives |
|  |                      |                              |                          |                    |                    |                   |                               |
|  |                      |                              |                          |                    |                    |                   |                               |
|  |                      |                              |                          |                    |                    |                   |                               |
|  |                      | ADDITIONAL                   | CEMENTING / SQU          | EEZE RECORD        |                    |                   |                               |
| Purpose:<br>Perforate                                    | Depth<br>Top Bottom  | Type of Cement               | # Sacks Used             |                    | Type and F         | Percent Additives |                               |

| Perforate      | Top Bottom | Type of Cement | # Sacks Used | Type and Fercent Additives |
|----------------|------------|----------------|--------------|----------------------------|
| Protect Casing |            |                |              |                            |
| Plug Off Zone  |            |                |              |                            |
|                |            |                |              |                            |

| Did you perform a hydraulic fracturing treatment on this well?  | Yes |
|---|-----|
| Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? | Yes |
| Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?     | Yes |

| No | (If No, skip questions 2 and 3) |
|----|---------------------------------|
| No | (If No, skip question 3)        |

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 |         |                 |       |                    |          |                           | ement Squeeze Record<br>d of Material Used) | Depth   |
|--------------------------------------|-----------|---|---------|-----------------|-------|--------------------|----------|---------------------------|---|---------|
|                                      |           |   |         |                 |       |                    |          |                           |   |         |
|                                      |           |   |         |                 |       |                    |          |                           |   |         |
|                                      |           |   |         |                 |       |                    |          |                           |   |         |
|                                      |           |   |         |                 |       |                    |          |                           |   |         |
|                                      |           |   |         |                 |       |                    |          |                           |   |         |
| TUBING RECORD:                       | Si        | ze:   | Set At: |                 | Packe | r At:              | Liner R  |                           | No  |         |
| Date of First, Resumed               | d Product | ion, SWD or ENHI  | ٦.      | Producing N     |       | ping               | Gas Lift | Other (Explain)           |   |         |
| Estimated Production<br>Per 24 Hours |           | Oil Bb  | ls.     | Gas             | Mcf   | Wat                | er       | Bbls.                     | Gas-Oil Ratio                               | Gravity |
|                                      |           |   | 1       |                 |       |                    |          |                           |   |         |
| DISPOSIT                             | _         |   |         | Onen Llele      |       |                    |          |                           | PRODUCTION INTE                             | RVAL:   |
| Vented Sol                           | d         | Used on Lease   |         | Open Hole       | Perf. | Uually<br>(Submit) |          | Commingled (Submit ACO-4) |   |         |
| (If vented, Su                       | ıbmit ACC | D-18.)  |         | Other (Specify) | )     |                    |          |                           |   |         |

| Form      | ACO1 - Well Completion    |
|-----------|---------------------------|
| Operator  | Messenger Petroleum, Inc. |
| Well Name | Bauck LH-1                |
| Doc ID    | 1222571                   |

# Tops

| Name          | Тор  | Datum |  |  |
|---------------|------|-------|--|--|
| Kansas City   | 682  | +426  |  |  |
| Altamont      | 1041 | +67   |  |  |
| Mississippian | 1556 | -448  |  |  |
| Kinderhook    | 1850 | -742  |  |  |
| Hunton        | 1913 | -805  |  |  |
| Viola         | 1930 | -822  |  |  |
| Simpson       | 2035 | -927  |  |  |
| Arbuckle      | 2106 | -998  |  |  |
| Reagan        | 2601 | -1512 |  |  |
| Granite       | 2658 | -1550 |  |  |
| LTD           | 2759 | -1651 |  |  |

| Form      | ACO1 - Well Completion    |
|-----------|---------------------------|
| Operator  | Messenger Petroleum, Inc. |
| Well Name | Bauck LH-1                |
| Doc ID    | 1222571                   |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement |   | Type and<br>Percent<br>Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|---|----------------------------------|
| surface              | 12.25                | 8.625                 | 23     | 266              | 60/40 poz         |   | 2%gel,3%<br>CC                   |
| production           | 7.875                | 5.50                  | 15.50  | 2164             | Class A           |   | 2%CC,.3<br>%FR/FLA,              |
| none                 | 0                    | 0                     | 0      | 0                |                   | 0 | 10#<br>salt,5# gil               |
|                      |                      |                       |        |                  |                   |   |                                  |



### DRILL STEM TEST REPORT

Prepared For:

### Messenger Petroleum

525 South Main Street Kingman, KS 67068

ATTN: Frank Mize

### Bauck LH #1

#### 23-16S-16E Osage, KS

 Start Date:
 2014.05.20 @ 09:45:18

 End Date:
 2014.05.20 @ 17:27:03

 Job Ticket #:
 58805
 DST #:
 1

Trilobite Testing, Inc PO Box 362 Hays, KS 67601 ph: 785-625-4778 fax: 785-625-5620

|  | DRILL STEM TES   | TREP   | ORT  |   |  |   |                                |
|--|--|--|--|---|--|---|--------------------------------|
|  | Messenger Petroleum  |  | 23-  | 16S-16E   | Osage  | , KS  |                                |
| ESTING , INC   | 525 South Main Street<br>Kingman, KS 67068   |  | Ba   | uck LH :  | #1   |   |                                |
|  |  |  |  | Ticket: 58  |  | DST#  |                                |
|  | ATTN: Frank Mize   |  | Tes  | t Start: 20   | 014.05.20  | @ 09:45:18  |                                |
| GENERAL INFORMATION:   |  |  |  |   |  |   |                                |
| Formation:MississippianDeviated:NoWhipstock:Time Tool Opened:13:00:48Time Test Ended:17:27:03  | ft (KB)  |  | Tes<br>Tes<br>Unit   | ter:  | Conventic<br>Jimmy Ric<br>150  | onal Bottom H<br>ketts  | lole (Initial)                 |
| Interval:1566.00 ft (KB) To15Total Depth:1577.00 ft (KB) (TVHole Diameter:7.88 inches Hole   |  |  | Refe   | erence Ele<br>KB t                                  | evations:<br>to GR/CF:   | 1098.0  | 0 ft (KB)<br>0 ft (CF)<br>0 ft |
| Serial #: 8969         Inside           Press@RunDepth:         20.59 psig @ 1567.00 ft (KB)         Capacity:         8000.00 psig           Start Date:         2014.05.20         End Date:         2014.05.20         Last Calib.:         2014.05.20 @ 12:58:18           Start Time:         09:45:23         End Time:         17:27:02         Time On Btm:         2014.05.20 @ 12:58:18           Time Off Btm:         2014.05.20 @ 15:08:33         TEST COMMENT:         Weak 1/4 inch blow throughout initial flow period.           No blow final flow period.         No blow final flow period.         No blow final flow period.         No blow final flow period. |  |  |  |   |  |   |                                |
| Pressure vs. T   |  |  | Pf   | RESSUF  | RE SUM   | MARY  |                                |
| B3D9 Hossie<br>B3D9 Hossie<br>30 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | 525 Temperature<br>525 Te | Time<br>(Min.)<br>0<br>3<br>33<br>63<br>63<br>93<br>125<br>131 | Pressure<br>(psig)<br>762.64<br>14.94<br>17.35<br>489.45<br>17.89<br>20.59<br>466.52<br>761.60 | Temp<br>(deg F)<br>88.09<br>88.31<br>88.60<br>88.75 | Annota<br>Initial Hy<br>Open To<br>Shut-In(<br>End Shu<br>Open To<br>Shut-In(<br>End Shu | ation<br>dro-static<br>5 Flow (1)<br>1)<br>ut-In(1)<br>5 Flow (2)<br>2) |                                |
| Recovery   |  |  | ·  | Ga  | s Rates  |   |                                |
| Length (ft)     Description       5.00     Oil cut Mud 4% O & 96%  | Volume (bbl)<br>M 0.02   |  |  | Choke (i  | inches) Pre  | essure (psig)   | Gas Rate (Mcf/d)               |
|  |  |  |  |   |  |   |                                |

|   | DRILL STEM TES   | T REPO                 | ORT  |  |                                      |
|---|--|------------------------|--|--|--------------------------------------|
| RILOBITE  | Messenger Petroleum  |                        | 23-16S-16E   | E Osage, KS                                  |                                      |
| ESTING , INC  | 525 South Main Street<br>Kingman, KS 67068   |                        | Bauck LH<br>Job Ticket: 5                                  |  | <b>F#• 4</b>                         |
|   | ATTN: Frank Mize   |                        |  | 014.05.20 @ 09:45:1                          |                                      |
| GENERAL INFORMATION:  |  |                        |  |  |                                      |
| Formation:MissispianDeviated:NoWhipstock:Time Tool Opened:13:00:48Time Test Ended:17:27:03  | ft (KB)  |                        | Tester:  | Conventional Bottom<br>Jimmy Ricketts<br>150 | Hole (Initial)                       |
| Total Depth: 1577.00 ft (KB) (TV  | 77.00 ft (KB) (TVD)<br>/D)<br>e Condition: Poor  |                        | Reference ⊟<br>KB  | 1098   | .00 ft (KB)<br>.00 ft (CF)<br>.00 ft |
| Serial #: 8968OutsidePress@RunDepth:psigStart Date:2014.05.20Start Time:09:48:12TEST COMMENT:Weak 1/4 inch bl<br>No blow final flow | End Date:<br>End Time:<br>ow throughout initial flow period.   | 2014.05.20<br>17:27:06 | Capacity:<br>Last Calib.:<br>Time On Btm:<br>Time Off Btm: | 8000<br>1899.12                              | .00 psig<br>.30                      |
| Pressure vs. T  | fime<br>555 Impendue<br>555 1 mpendue<br>555 1 mpendue<br>5 | 1 1                    | PRESSUI<br>Pressure<br>(psig) (deg F)                      | RE SUMMARY<br>Annotation                     |                                      |
| 20 Tue May 2014   | - 77.5   |                        |  |  |                                      |
| Recovery  |  |                        |  | as Rates                                     |                                      |
| Length (ft)     Description       5.00     Oil cut Mud 4% O & 96%   | Volume (bbl) M 0.02  |                        | Choke (  | (inches) Pressure (psig)                     | Gas Rate (Mcf/d)                     |

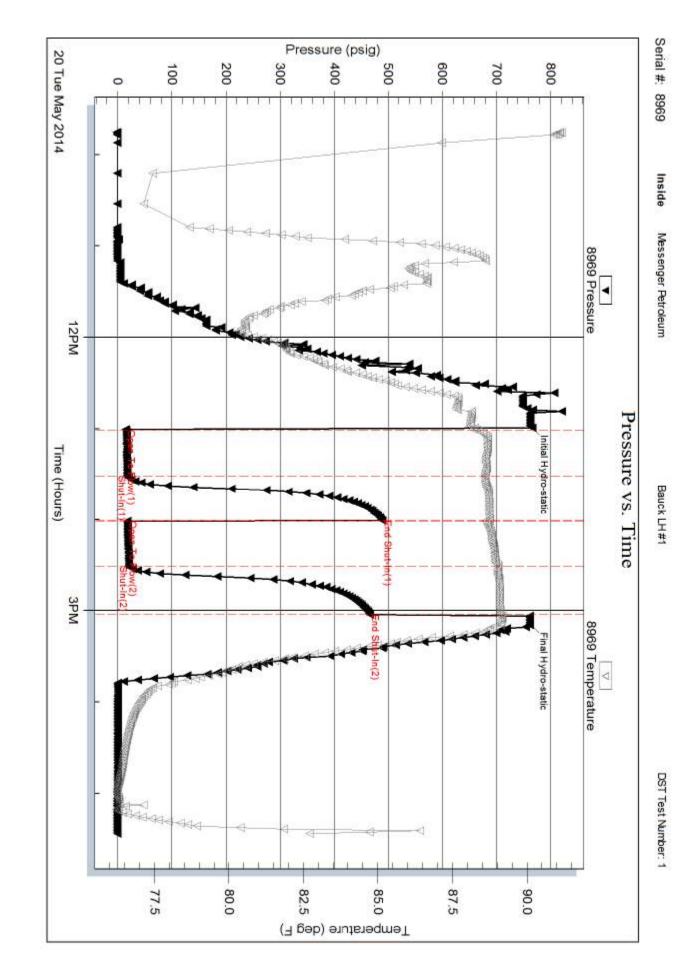
| RILOBITE   |            | DITE                  | DRILL STEM TEST REPORT  |                    |               |   |                          | TOOL DIAGRA         |
|--|------------|-----------------------|---|--------------------|---------------|---|--------------------------|---------------------|
|  |            | DITE                  | Messenger Petroleum   |                    |               |   | 23-16S-16E Osage,        | KS                  |
| 翻  | EST        | TING , INC            |   | uth Main Stre      |               |   | Bauck LH #1              |                     |
|  |            |                       | Kingma  | n, KS 67068        | 3             |   | Job Ticket: 58805        | DST#:1              |
| KSY .  |            |                       | ATTN:   | Frank Mize         |               |   | Test Start: 2014.05.20 ( | ጋ 09:45:18          |
| Tool Information   | on         |                       | ļ   |                    |               |   |                          |                     |
| Drill Pipe:  | Length:    | 1219.00 ft            | Diameter:   | 3.80 i             | nches Volume: | 17.10 bbl   | Tool Weight:             | 2300.00 lb          |
| Heavy Wt. Pipe:  | Length:    | 0.00 ft               | Diameter:   | i                  | nches Volume: | 0.00 bbl  | Weight set on Packer     | : 20000.00 lb       |
| Drill Collar:  | Length:    | 323.00 ft             | Diameter:   | 2.25 i             | nches Volume: | 1.59 bbl  | Weight to Pull Loose:    | 21000.00 lb         |
| Drill Ding Above   | VD.        | 4 00 5                |   |                    | Total Volume: | 18.69 bbl   | Tool Chased              | 1.00 ft             |
| Drill Pipe Above Depth to Top Pac  |            | 4.00 ft<br>1566.00 ft |   |                    |               |   | String Weight: Initial   | 20000.00 lb         |
| Depth to Bottom  |            | 1500.00 ft            |   |                    |               |   | Final                    | 20000.00 lb         |
| Interval betweer   |            | 11.00 ft              |   |                    |               |   |                          |                     |
| Tool Length:   | in doncro. | 39.00 ft              |   |                    |               |   |                          |                     |
|  |            |                       |   |                    |               |   |                          |                     |
| Number of Packe  | ers:       | 2                     | Diameter:   | 6.75 i             | nches         |   |                          |                     |
| -  | ers:       |                       | Diameter:   | 6.75 i             | nches         |   |                          |                     |
| Number of Packe  |            | 2                     |   |                    |               | Depth (ft)  | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:<br>Tool Descripti  | on         | 2                     |   |                    |               | <b>Depth (ft)</b><br>1540.00  | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:<br><b>Tool Descripti</b><br>Change Over Su   | on         | 2                     | ngth (ft)   |                    |               | • • • •   | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool  | on         | 2                     | <b>ngth (ft)</b><br>2.00  |                    |               | 1540.00   | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool  | on         | 2                     | ngth (ft)<br>2.00<br>5.00   |                    |               | 1540.00<br>1545.00  | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:  | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00   |                    |               | 1540.00<br>1545.00<br>1550.00   | Accum. Lengths           |                     |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars<br>Safety Joint  | on         | 2                     | <b>ngth (ft)</b><br>2.00<br>5.00<br>5.00<br>5.00                          |                    |               | 1540.00<br>1545.00<br>1550.00<br>1555.00  | Accum. Lengths           | Bottom Of Top Packe |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars<br>Safety Joint<br>Packer                                | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00<br>5.00<br>2.00                         |                    |               | 1540.00<br>1545.00<br>1550.00<br>1555.00<br>1557.00   | -                        | Bottom Of Top Packe |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars<br>Safety Joint<br>Packer<br>Packer                      | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00<br>5.00<br>2.00<br>5.00                 |                    |               | 1540.00<br>1545.00<br>1550.00<br>1555.00<br>1557.00<br>1562.00                                  | -                        | Bottom Of Top Packe |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars<br>Safety Joint<br>Packer<br>Packer<br>Stubb             | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00<br>5.00<br>2.00<br>5.00<br>4.00         |                    |               | 1540.00<br>1545.00<br>1550.00<br>1555.00<br>1557.00<br>1562.00<br>1566.00                       | -                        | Bottom Of Top Packe |
| Number of Packe<br>Tool Comments:<br>Tool Descripti<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars<br>Safety Joint<br>Packer<br>Packer<br>Stubb<br>Recorder | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00<br>2.00<br>5.00<br>2.00<br>4.00<br>1.00 | Serial No.         | Position      | 1540.00<br>1545.00<br>1550.00<br>1555.00<br>1557.00<br>1562.00<br>1566.00<br>1566.00<br>1567.00 | -                        | Bottom Of Top Packe |
| Number of Packe<br>Tool Comments:<br>Tool Description<br>Change Over Su<br>Shut In Tool<br>Hydraulic tool<br>Jars  | on         | 2                     | ngth (ft)<br>2.00<br>5.00<br>5.00<br>2.00<br>5.00<br>4.00<br>1.00<br>0.00 | Serial No.<br>8969 | Position      | 1540.00<br>1545.00<br>1550.00<br>1555.00<br>1557.00<br>1562.00<br>1566.00<br>1567.00<br>1567.00 | -                        | Bottom Of Top Packe |

| ARD -        |                      | DRI     | LL STEM TEST REPOR           | RT            |                 | FLUID SUMMAR |
|--------------|----------------------|---------|------------------------------|---------------|-----------------|--------------|
|              | RILOBITE             | Messe   | nger Petroleum               | 23-16S-1      | 6E Osage, KS    | 6            |
|              | ESTING , INC         | 02000   | uth Main Street              | Bauck L       | H #1            |              |
| <b>4</b> 5   |                      | Kingma  | ın, KS 67068                 | Job Ticket:   | 58805           | DST#:1       |
| NOX .        |                      | ATTN:   | Frank Mize                   | Test Start:   | 2014.05.20 @ 0  | 9:45:18      |
| Mud and Cu   | ushion Information   |         |                              |               |                 |              |
| Mud Type: G  | el Chem              |         | Cushion Type:                |               | Oil API:        | deg API      |
| Nud Weight:  | 9.00 lb/gal          |         | Cushion Length:              | ft            | Water Salinity: | ppm          |
| /iscosity:   | 62.00 sec/qt         |         | Cushion Volume:              | bbl           |                 |              |
| Nater Loss:  | 9.79 in <sup>3</sup> |         | Gas Cushion Type:            |               |                 |              |
| Resistivity: | ohm.m                |         | Gas Cushion Pressure:        | psig          |                 |              |
| Salinity:    | 900.00 ppm           |         |                              |               |                 |              |
| Filter Cake: | inches               |         |                              |               |                 |              |
| Recovery Ir  | nformation           |         |                              |               |                 |              |
|              |                      | ertle   | Recovery Table               | ) ( aluma     | 7               |              |
|              | Len<br>fi            |         | Description                  | Volume<br>bbl |                 |              |
|              |                      | 5.00    | Oil cut Mud 4% O & 96% M     | 0.0           | 25              |              |
|              | Total Length:        | 5       | .00 ft Total Volume: 0.025 b | bl            |                 |              |
|              | Num Fluid Sam        | nples:0 | Num Gas Bombs: 0             | Serial        | #:              |              |
|              | Laboratory Na        | me:     | Laboratory Location:         |               |                 |              |
|              | Recovery Con         | nments: |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |
|              |                      |         |                              |               |                 |              |

Printed: 2014.05.30 @ 10:22:01

Ref. No: 58805

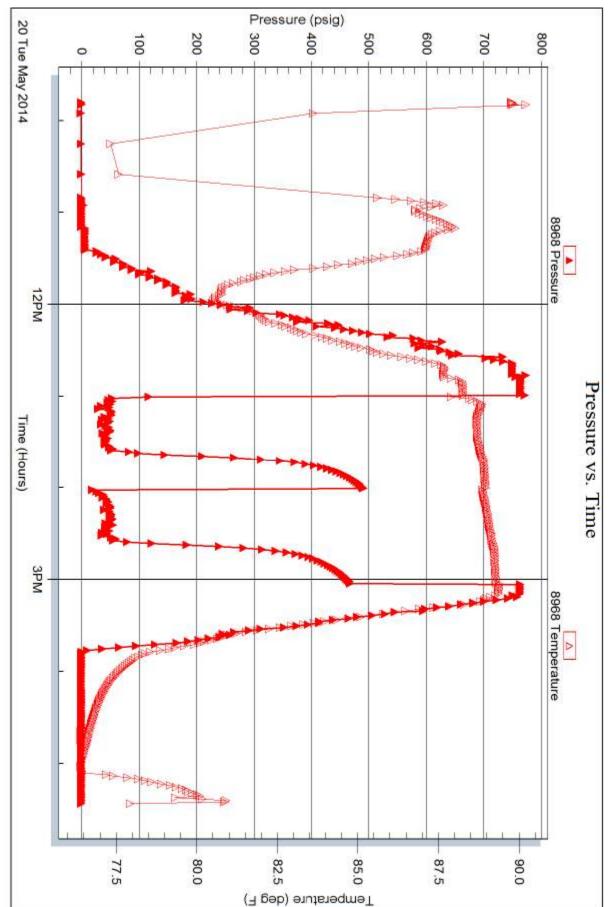




Printed: 2014.05.30 @ 10:22:01

Ref. No: 58805

Trilobite Testing, Inc



Bauck LH#1

Serial #: 8968

Outside Messenger Petroleum

DST Test Number: 1

|                         | RILOBITE             |                     |                     |                     | licket<br>8805 |               |
|-------------------------|----------------------|---------------------|---------------------|---------------------|----------------|---------------|
|                         | ESTING INC           |                     | 7001                | NO.                 | 0000           |               |
| 4/10                    | 1515 Commerce Parkwa | iy • Hays, Kansas 6 | 7601                |                     |                |               |
| Well Name & No.         | Des Baye             | K LH                | HTest No            |                     | ate 5-20       | -14           |
| Company Mes             | senger Pe            | troleum             | Elevation           | 1108                | KB 1098        | GL            |
| Address 52              | 5 5. Mai             | n St.               | Kingman,            | KS G                | 7068           |               |
| Co. Rep / Geo.          | rank Mize            |                     | -                   | immit               | Ħ              |               |
| Location: Sec.          | 23 TWP. 165          | Rge16E              | Co. 050             | Ege                 | State          | 5             |
| Interval Tested         | R+39 1566-15         | Zone Tested         | Missis              | Sippian             |                |               |
| Anchor Length           | U '                  | Drill Pipe Run      |                     | //                  | d Wt. 9.2      |               |
| Top Packer Depth        | 1561                 | Drill Collars Ru    | 2 2 2               |                     | 62             |               |
| Bottom Packer Depth     | 15/10                | Wt. Pipe Run_       | 2                   | WL                  | 9.8            |               |
| Total Depth             | 577                  | Chlorides           | 1                   |                     | M              |               |
| Blow Description        | Weak 1/4"            |                     | hroughout           | · ^                 |                |               |
|                         | Vo blow FE           |                     | 1049(0-1            | ( /                 |                |               |
|                         | 10 510W L.C.         |                     |                     |                     |                |               |
|                         |                      |                     |                     |                     |                |               |
| Rec 5                   | Feet of Oil Cat      | Mud                 | %gas                | 4 %oil              | %water 9       | 6 %mud        |
| -                       | Feet of              |                     | %gas                | %oil                | %water         | %mud          |
|                         | Feet of              |                     | %gas                | %oil                | %water         | %mud          |
| Rec                     | Feet of              |                     | %gas                | %oil                | %water         | %mud          |
| Rec                     | Feet of              |                     | %gas                | %oil                | %water         | %mud          |
| Rec Total5              | внт_89               | Gravity             | API RW_             | @ <sup>°</sup> F CI | nlorides       | ppm           |
| (A) Initial Hydrostatic | 2/2                  | Test_ 1150          | )                   |                     | ion 0230       |               |
| (B) First Initial Flow  | 15                   | Jars 25             | 50                  |                     | 1030           |               |
| (C) First Final Flow    | 17                   | Safety Joint        |                     | <br>T-Open          | 1301           |               |
| (D) Initial Shut-In     | 489                  | Circ Sub            |                     | T-Pulled            | 1505           |               |
| (E) Second Initial Flow | 18                   |                     | y Suppose to be     | on T-Out            | 1760           |               |
| (F) Second Final Flow   | 2.1                  | Mileage 44          | 10 0- Turk          | Set-Comments        | - · · · ·      | 1 - 11        |
| (G) Final Shut-In       | 1117                 | -                   | 685.10              | -5 8969             | - 05:15:1      | 9:45:1        |
| (H) Final Hydrostatic   | 7/7                  | G Sampler           |                     | - 8168              | - 05:49 p      | 59:49:0       |
| (,,,,,                  | 0                    |                     |                     |                     | Shale Packer   |               |
| Initial Open            | 30                   |                     |                     |                     | Packer         |               |
| Initial Shut-In         | 30                   |                     |                     |                     | copies         |               |
| Final Flow              | 30                   |                     | er                  |                     | 0              |               |
| Final Shut-In           | 32                   |                     |                     |                     | 2510.10        |               |
|                         | 7                    |                     | 0.10                | MP/DST [            | Jisc't         |               |
|                         | trank 184            |                     | 0.10                | - Jennu             | Rhet           | $\mathcal{R}$ |
| Approved By/            | 1 A X /              |                     | Our Representative_ | form                | y              |               |

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss softlered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results 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.

Hurricane Services, Inc. 104 Prairie Plaza Parkway Garnett, KS 66032 Office # 785-448-3100 Toll Free # 855-718-8027



| Ticket    | Nº               | 50261 |
|-----------|------------------|-------|
| Location_ | <i>D</i> .10.146 | 1730  |
| Foreman_  | Dwayne           | _ voe |

| 1011 Free # 653 | -/10-002/     |              | Cement Servic                         | e ticket                              |  |   |                |
|-----------------|---------------|--------------|---------------------------------------|---------------------------------------|--|---|----------------|
| Date ,          | Customer      |              |                                       |                                       | Sec./Towr  | ship/Range                              | County         |
| 5/16/14         |               |              | Bauck_                                |                                       | the second s   |   | ÖShage_<br>Zip |
| Customer        |               |              | Mailing Address                       | S                                     | City   | State                                   | Zip            |
|                 | Pale          | <b>.</b>     | 525 S.M.                              | e> ~1                                 | 1 Starter  | KS 67                                   | 2060           |
| Messengar       | <u> </u>      | KAS          | 1000 2.110                            | (i <i>I</i> )                         | <u> Nigulan</u>  | <u></u> <u></u>                         | <u>- 0@0</u> ] |
| Job Type:       |               |              |                                       |                                       |  | Truck #                                 | Driver         |
|                 | e Cement      |              |                                       |                                       |  | 231                                     | TOM            |
| Hole Size: 1    | 219           | Casing Si    | ze: 8 56                              | Displacement                          |  | 241                                     | Amos           |
| Hole Depth:     |               | Casing W     | /eight:                               | Displacement                          |  | 109                                     | Alex           |
| Bridge Plug:    |               | Tubing:      |                                       | Cement Left i                         | n Casing:  | 111                                     | TYlor          |
| Packer:         |               | PBTD:        |                                       |                                       |  | 25                                      | Drayne_        |
|                 |               | 1            |                                       |                                       |  |   |                |
| Quantity Or     | Jnits         |              | · · · · · · · · · · · · · · · · · · · | Servcies or Pro                       | and the second | Pump charge                             | 79000          |
| 20              | Mi            | Mileage      | Coment 1                              | Pump 231                              | ·  | \$3.25/Mile                             | 65-90-<br>3000 |
| 20              | mi            |              | Forman To                             | Auck 25                               |  |   | 30 00          |
|                 |               |              |                                       |                                       |  |   |                |
| 156             | Sacks         |              | - 40 1                                | Poz Mix                               |  | 12 ° 5/K                                | 1872 04        |
|                 |               |              |                                       |                                       | 2%   | 1 30 46                                 | 80 40          |
| 268             | L65           | Pren         | n Gel In                              | Cemen                                 |  |   | 301 50         |
| 402             | Lhs           | Cali         | cloride I                             | n Cement                              | <u> </u>   | . 75 16                                 | 501            |
| Chai            |               |              |                                       |                                       |  | 1.546.1                                 | 45 <u>00</u>   |
| 5000            | 64            | Wate         | /                                     |                                       | · · · · · · · · · · · · · · · · · · ·  | 1, <b>0</b> · 01                        |                |
|                 |               | ×.           |                                       | 1-0                                   |  | 84 m                                    | 210 00         |
| 2.5             | hr_           |              |                                       | 109                                   |  | محمد والمحمد والمرتبع والمرتبع والمساري | 210            |
| 2,5             | hr.           | Wate         | + TRUCK                               | ([]                                   |  | 84 ª hr                                 | 2100-          |
|                 | 190           |              |                                       |                                       |  |   |                |
|                 |               | T            |                                       |                                       |  | (                                       |                |
|                 |               |              | ALC TO BE                             |                                       |  |   |                |
| 6.7             | Tons          | Bulk Tru     |                                       | A                                     |  | \$1.15/Mile                             | 300 90-        |
|                 | 1013          | Dank fre     | 1 <sup>N1</sup>                       | ge.                                   |  |   |                |
|                 |               |              |                                       |                                       | · · · · · · · · · · · · · · · · · · ·  |   |                |
|                 |               | Plugs 🌮      | NA                                    | · · · · · · · · · · · · · · · · · · · |  |   | 3923,90        |
|                 |               |              | · · · · · · · · · · · · · · · · · · · | ۰۳.                                   |  | Subtotal                                | 516010         |
|                 |               | s            | 122                                   | · · · · · · · · · · · · · · · · · · · |  | Sales Tax                               |                |
|                 | . 2           |              | 1                                     |                                       |  | Estimated Tot                           | al             |
| Domorius        | 11.11.0       | à de la      | 8 SurFace                             | Casing a                              | nd Estr  | highed 1                                | circulation    |
| Remarks:        | TOU A CUT     | n <u>n f</u> |                                       |                                       | _  | la later                                | <u> </u>       |
| Pump_           | <u>Ce</u>     | 561          | CKS OF                                | Cement                                | Switch   | TU WAFFU                                | <u> </u>       |
| Pump            | <u>16 BIS</u> | 2/ 1         | OB Displace                           | Sur Face                              | lipe and   | Shut 2                                  | 10             |
| <u> </u>        |               |              |                                       | <u>.</u>                              |  |   |                |
| ****            |               |              |                                       |                                       |  |   |                |
| 185             | 1             |              |                                       | <u></u>                               |  |   | ··             |
|                 |               |              |                                       |                                       |  |   |                |
|                 | ,             |              |                                       | -                                     |  | an Co                                   |                |
|                 |               |              | •                                     |                                       |  |   |                |

Customer Signature

4

Hurricane Services, Inc. 3613 A Y Road Madison, KS 66860 Office # 620-437-2661 Brad Cell # 620-437-6765



Ticket Number 100453

avai

Location\_\_\_\_\_\_

5 HURRICANE SERVICES INC OILFIELD SERVICES MADISON, KANSAS Cement Service ticket

| Date      | Customer #     | Well Name & N   | lumber | Sec./Township/Range | County |  |  |
|-----------|----------------|-----------------|--------|---------------------|--------|--|--|
| 5-26-14   |                | Bauck           | 14-1   | 23.16-16            | Osage  |  |  |
| Customer  |                | Mailing Address |        | City State          | Zip    |  |  |
| Messenger | Petroleum Enc. | 525-5. Main     |        | King Man KS.        | 67068  |  |  |

| Job Type:                          |                     |                        | Truck #        | Driver  |
|------------------------------------|---------------------|------------------------|----------------|---------|
| Long String                        | 2169,               |                        | 231            | Tom     |
| Hole Size: 77/                     | Casing Size: S      | Displacement: 51.67 BB | 241            | Amos    |
| Hole Depth: 2766                   | Casing Weight: 1515 | Displacement PSI:      | 242            | RON     |
| Bridge Plug:                       | Tubing:             | Cement Left in Casing: | 111            | Scott   |
| Packer:                            | PBTD:               |                        | 108            | Alex    |
| and the subscription of the second |                     |                        | 25             | Quayne  |
| Quantity Or Units                  | Description of S    | Servcies or Product    | Pump charge    | 790     |
| 20 m.                              | Mileage Cement R    | Jump 231               | \$3.25/Mile    | 65 ~    |
| 20 mi                              | Forman Pick         |                        | 115            | 30 00   |
| 200 665                            | Gel Flush           |                        | 130 66         | 6000    |
| 25 Sacks                           | 60/40 Pozmi         | X                      | 12 00 5K       | 300 02  |
| 15:0 Sacks                         | Portland A c.       | ement                  | 14.85 sk       | 2227 50 |
| 465                                | Porm Gel In Center  | 17 POZ Mix             | ,30 hh         | 6450    |
| 282 665                            | Prem Gel In Por     | Hand A mix             | , 30 66        | 8460    |
| 50 165                             | CDI26 Friction      | Reducer - FIA          | 65216          | 32500   |
| 650 Lbs                            | Sult 10% In         | Brtland                | 15 46          | 975-    |
| 750 Lbs                            | Gilsonite 566 Rd    | SUCK IN Portland Mix   | 165 66         | 4187 50 |
| 4600 Gal                           | Water               |                        | 1.6 Gal        | 60 00   |
| 8 hr                               | Water TRuck         | 1/1                    | 841 20 10      | 67200   |
| 8 hr                               | Water TRuck         | 108                    | 84 ° Ar        | 672-00- |
| 6                                  | Sta Centraliza      | cr5                    | 35 2° ea       | 2100    |
| 8.1 Tons                           | Bulk Truck Minimum  | Charg-                 | \$1.15/Mile    | 300 00- |
| 1                                  | 5 to Packer         | Shoe                   | 1325 00        | 132500  |
|                                    | Plugs 5 thatch 1    | DWN Plug               | 193 -          | 193 00  |
|                                    |                     |                        | Subtotal       | 7963,33 |
|                                    |                     | 7,15%                  | Sales Tax      | 388 52  |
|                                    |                     |                        | Estimated Tota | al 8352 |

**Remarks:** 

Shoe Join 20.11

h A **Customer Signature** 

Frank S. Mize Geologist/License #365 8010 E Old Mill Street Wichita, KS 67226 316-440-4102 office FrankMize@aol.com

Kansas Corporation Commission Finney State Office Building 130 S. Market Room 2078 Wichita, KS 67202-3802

Re: Messenger Petroleum, Inc. Bauck LH #1 1813' FNL & 1921' FEL 23-16S-16E, Osage County, KS API#: 15-139-20097-00-00 Request of Confidentiality

To whom it may concern;

Messenger Petroleum, Inc. requests that all information for the above mentioned well be held confidential for a period of 2 years. This includes, but is not limited to: any geophysical logs, geological reports, samples that have been delivered to the Kansas Geeological Survey, or any completions reports that are or will be filed. If you have any questions or concerns, please call Jon Messenger at 620-532-5400, or myself at the office number listed above.

Thank you for your consideration.

Respectfully submitted,

Frank S. Mize, agent

Geologist #365