Confidentiality Requested:

Yes No

## Kansas Corporation Commission Oil & Gas Conservation Division

1356076

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:                          |             |                    | Sec  | TwpS. R                           |  |  |  |
| Address 2:                          |             |                    | Feet   | from North / South Line of Sectio |  |  |  |
| City: St                            | ate: Zip    | D:+                | Feet   | from East / West Line of Section  |  |  |  |
| Contact Person:                     |             |                    | Footages Calculated from Ne                                  | earest Outside Section Corner:    |  |  |  |
| Phone: ()                           |             |                    | □ NE □ NW  | ☐ SE ☐ SW                         |  |  |  |
| CONTRACTOR: License #               |             |                    | GPS Location: Lat:   | , Long:                           |  |  |  |
| Name:                               |             |                    |  | g. xx.xxxxx) (e.gxxx.xxxxx)       |  |  |  |
| Wellsite Geologist:                 |             |                    | Datum: NAD27 NAD27   |                                   |  |  |  |
| Purchaser:                          |             |                    | County:  |                                   |  |  |  |
| Designate Type of Completion:       |             |                    | Lease Name: Well #:  |                                   |  |  |  |
| New Well Re-                        | ·Fntrv      | Workover           | Field Name:  |                                   |  |  |  |
|                                     | _           |                    | Producing Formation:   |                                   |  |  |  |
| ☐ Oil ☐ WSW                         | SWD         | ∐ SIOW<br>□ SIGW   | Elevation: Ground:   | Kelly Bushing:                    |  |  |  |
| ☐ Gas ☐ D&A<br>☐ OG                 | ☐ ENHR      | Temp. Abd.         | Total Vertical Depth:  | Plug Back Total Depth:            |  |  |  |
| CM (Coal Bed Methane)               | G3W         | iemp. Abd.         | Amount of Surface Pipe Set a                                 | and Cemented at: Fee              |  |  |  |
| Cathodic Other (Core                | Expl etc.)  |                    | Multiple Stage Cementing Co                                  |                                   |  |  |  |
| If Workover/Re-entry: Old Well Inf  |             |                    |  | Fee                               |  |  |  |
| Operator:                           |             |                    |  | nent circulated from:             |  |  |  |
| Well Name:                          |             |                    | , ,  | w/sx cm                           |  |  |  |
| Original Comp. Date:                |             |                    | loot doparto.  |                                   |  |  |  |
|                                     | _           | NHR Conv. to SWD   |  |                                   |  |  |  |
| Deepening Re-perf. Plug Back        | Conv. to GS |                    | Drilling Fluid Management F (Data must be collected from the |                                   |  |  |  |
| Commingled                          | Permit #:   |                    | Chloride content:  | ppm Fluid volume: bbl             |  |  |  |
| Dual Completion                     | Permit #:   |                    | Dewatering method used:                                      |                                   |  |  |  |
| SWD                                 | Permit #:   |                    | Location of fluid disposal if ha                             | auled offsite:                    |  |  |  |
| ☐ ENHR                              | Permit #:   |                    | One water Name .   |                                   |  |  |  |
| GSW                                 | Permit #:   |                    |  |                                   |  |  |  |
|                                     |             |                    |  | License #:                        |  |  |  |
| Spud Date or Date Rea               | iched TD    | Completion Date or |  | TwpS. R                           |  |  |  |
| Recompletion Date Recompletion Date |             | 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: |  |  |  |  |  |

# 1356076

| Operator Name:  |  |              |                                      | Lease N                                 | lame: _    |                    |                     | _ Well #:         |            |                         |
|---|--|--------------|--------------------------------------|---|------------|--------------------|---------------------|-------------------|------------|-------------------------|
| Sec Twp   | S. R   | East         | West                                 | County:                                 |            |                    |                     |                   |            |                         |
| open and closed, flow                                   | ow important tops of fo<br>ing and shut-in pressu<br>o surface test, along w | res, whet    | her shut-in pre                      | ssure reach                             | ned stati  | c level, hydrosta  | tic pressures, bo   |                   |            |                         |
|   | g, Final Logs run to ob<br>d in LAS version 2.0 o                            |              |                                      |   |            | gs must be ema     | iled to kcc-well-lo | ogs@kcc.ks.go     | v. Digital | electronic log          |
| Drill Stem Tests Taken Ye (Attach Additional Sheets)    |  |              | Yes No                               |   |            | 3                  | on (Top), Depth a   |                   |            | Sample                  |
| Samples Sent to Geo                                     | logical Survey   | Ye           | s No                                 |   | Name       | 9                  |                     | Тор               | L          | Datum                   |
| Cores Taken<br>Electric Log Run                         |  | ☐ Ye<br>☐ Ye |                                      |   |            |                    |                     |                   |            |                         |
| List All E. Logs Run:                                   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              | CASING                               | RECORD                                  | ☐ Ne       | w Used             |                     |                   |            |                         |
|   |  | Repor        |                                      |   |            | rmediate, producti | on, etc.            |                   |            |                         |
| Purpose of String                                       | Size Hole<br>Drilled   |              | e Casing<br>(In O.D.)                | Weig<br>Lbs./                           |            | Setting<br>Depth   | Type of<br>Cement   | # Sacks<br>Used   |            | and Percent<br>dditives |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
| Burnogo   | Depth  |              |                                      |   |            | EEZE RECORD        |                     |                   |            |                         |
| Purpose: Perforate                                      | Top Bottom   | Type         | of Cement                            | # Sacks Used Type and Percent Additives |            |                    |                     |                   |            |                         |
| Protect Casing Plug Back TD                             |  |              |                                      |   |            |                    |                     |                   |            |                         |
| Plug Off Zone   |  |              |                                      |   |            |                    |                     |                   |            |                         |
| Did you perform a hydrau                                | ulic fracturing treatment or   | this well?   |                                      |   |            | Yes                | No (If No, sk       | ip questions 2 ar | nd 3)      |                         |
|   | otal base fluid of the hydra   |              | _                                    |   | -          |                    | No (If No, sh       | rip question 3)   |            |                         |
| Was the hydraulic fractur                               | ing treatment information  | submitted    | to the chemical o                    | disclosure reç                          | gistry?    | Yes                | No (If No, fil      | out Page Three    | of the ACC | )-1)                    |
| Shots Per Foot  |  |              | D - Bridge Plug<br>ach Interval Perl |   |            |                    | cture, Shot, Cemen  |                   | d          | Depth                   |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    |                     |                   |            |                         |
| TUBING RECORD:  | Size:  | Set At:      |                                      | Packer At                               | :          | Liner Run:         |                     |                   |            |                         |
|   |  |              |                                      |   |            |                    | Yes No              |                   |            |                         |
| Date of First, Resumed                                  | Production, SWD or ENH   | R.           | Producing Meth Flowing               | nod:<br>Pumping                         | 9 🗌        | Gas Lift C         | other (Explain)     |                   |            |                         |
| Estimated Production<br>Per 24 Hours                    | Oil B  | bls.         | Gas                                  | Mcf                                     | Wate       | er Bl              | ols.                | Gas-Oil Ratio     |            | Gravity                 |
| DIODOGITI   | ON OF CAS:   | <u> </u>     |                                      | AETHOD OF                               | 001451     | TION               |                     | DDODUGT           |            |                         |
| Vented Sold   | ON OF GAS: Used on Lease   |              | pen Hole                             | METHOD OF Perf.                         | Dually     | Comp. Con          | nmingled            | PRODUCTIO         | λΝ ΙΝΙΕΚ\  | /AL:                    |
| (Submit A  (If vented, Submit ACO-18.)  Other (Specify) |  |              |                                      | ACO-5) (Subi                            | mit ACO-4) |                    |                     |                   |            |                         |

| Form      | ACO1 - Well Completion |
|-----------|------------------------|
| Operator  | H & B Petroleum Corp.  |
| Well Name | SALEM C 1              |
| Doc ID    | 1356076                |

## 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                 | 32     | 660              | Common            | 3% CC<br>and 2%<br>Gel           |
| Production           | 7.875                | 5.5                   | 15.5   | 3593             | Common            | 10% Salt<br>2% Gel<br>2% Plaster |
|                      |                      |                       |        |                  |                   |                                  |
|                      |                      |                       |        |                  |                   |                                  |

# GLOBAL OIL FIELD SERVICES, LLC

| REMIT TO 24 S. Lincoln<br>Russell, KS 67665  | SERV   | /ICE POINT:  | 11/15  |
|--|--|--|--|
| SEC. TWP. RANGE  | CALLED OUT   | ON LOCATION JOB STAI   | T JOB FINISH   |
| DATE 12-10-16  | TO STATE OF STREET AS A STREET AS A STREET   |  | (8.000)  |
| LEASE SOLEM WELL #. LOCATION   | A PLANTING IS  | COUNTY   | STATE 45   |
| OLD OR NEW (CIRCLE ONE)  |  |  | Samte goe lesic  |
| (citoble of the first of the fi | S 74 0 5000  | See the section  |  |
| CONTRACTOR   | OWNER  |  |  |
| TYPE OF JOB  | The state of the section of the state of   |  | and the state of t |
| HOLE SIZE T.D.   | CEMENT   |  | 10121  |
| CASING SIZE DEPTH  | AMOUNT ORDE  | THE RESERVE OF THE PARTY OF THE | 10 103611  |
| TUBING SIZE DEPTH  | with the state of  | 296 Plasses  | 1 0 11 11 11 11 11   |
| DREL PIPE DEPTH TOOL DEPTH   |  |  |  |
| PRES. MAX /SOOS MINIMUM  | ·····································  | and the second   | for was like to be really  |
| MEAS. LINE SHOE JOINT  | COMMON   |  |  |
| CEMENT LEFT IN CSG. 7  | POZMIX<br>GEL  | @<br>@   |  |
| PERFS  | CHLORIDE   |  |  |
| DISPLACEMENT Of ///  | ASC  | @  |  |
| EQUIPMENT  | ASC  |  |  |
| All and the second seco | A STATE STATE OF STATE OF THE S | @  | and the state of t |
| PUMP TRUCK CEMENTER  |  | <u> </u>   |  |
| # 8 409 HELPER 7084  |  | @  |  |
| BULK TRUCK   |  | @  | The same of the same of the same of  |
| # 378 DRIVER OULE  | Action of the second   | <u> </u>   |  |
| BULK TRUCK   |  | @  |  |
| # DRIVER   |  | @  | CALL TOLING  |
| The state of the state of the setting of the   | HANDLING   | @  | Table 1 to 1 t   |
|  | MILEAGE  |  |  |
| REMARKS:   | · · · · · · · · · · · · · · · · · · ·  | Call of the second of  | TOTAL  |
| Run 86 HS 02 5 1/2 rosing and  | landos   |  |  |
| 14 - Hook up and est Curulation.   |  | SERVICE  | · · · · · · · · · · · · · · · · · · ·  |
| ound summe Cocalat For I hr.   | Please the second of the second  | SEXTICE .  |  |
| 24:305 MH=158 - Hook in and  | DEPTH OF JOB _   | TENERAL TENERAL TEST   |  |
| my 1854 Journ Cosina upth own  | PUMP TRUCK CI  | HARGE  |  |
| East Class - Release Phia and Diss   | EXTRA FOOTAG   |  |  |
| JEH 20 + Plus Tun Ogd Al 1877005 TIP   | MILEAGE  | @  |  |
| FRESTURE @ 600051 RELEASED ESTE SI, es   | MANIFOLD   | @  |  |
|  |  | @  |  |
|  |  | @  |  |
| CHARGE TO: HAR Petro   |  |  | - THE STREET STREET  |
| STREET   |  |  | TOTAL —  |
| CITYSTATEZIP   |  |  |  |
| ATT STATE LIF  |  | PLUG & FLOAT EQUI  | PMENT  |
| to the control of the state of  | the service of the party of  |  | AREA HEREST NO CONTRACTOR  |
| Global Oil Field Services, LLC   | the same and the state of the same of the  |  |  |
| You are hereby requested to rent cementing equipme   | ent and  | @  | THE MALE REPORTED IN   |
| furnish cementer and helper(s) to assist owner or contr  |  | @  |  |
| do work as is listed. The above work was done to satis   |  |  |  |
| and supervision of owner agent or contractor. I have re  | ead and  | <i>y</i> @   |  |
| understand the "GENERAL TERMS AND CONDIT   | TONS"  | <u> </u>   |  |
| isted on the reverse side.   |  | A Section of the second  | TOTAL  |
| 0 1 1 1 1  |  |  |  |
| PRINTED NAME   | CAT DO TAY AFA   | nv)  |  |
| IGNATURE   | SALES TAX (If A) TOTAL CHARGE  |  |  |
| NOTATIONE  |  |  | IF PAID IN 30 DAYS   |
|  | DISCOUNT   |  | IF FAID IN 30 DAYS   |

## 2786

# GLOBAL OIL FIELD SERVICES, LLC

| DATE 12:2      | sr             | EC.                 | TWP.               | RANGE 12   | CAL                                | LED OUT  | ON LOCATION  | JOB START              | JOB FINISH   |
|----------------|----------------|---------------------|--------------------|--|------------------------------------|--|--|------------------------|--|
| 100            | 16             | CONT.               | PARTIE STATE       |  |                                    | Control of the   |  | COUNTY                 | STATE  |
| EASE           | CW             | ELL#.               | 1                  | LOCATION   | clan                               | 115 45   |  | Sk-Gord)               | 1 85   |
| OLD OR NEW     | (CIRCLE        | ONE)                |                    | 1/2 F 1  |                                    | 5 10   |  |                        | The telephone in   |
| ONTRACTOR      | Sout           | he de               | 0                  | y ziema zali ta waz  | and as                             | OWNER  | Land and the same  |                        |  |
| YPE OF JOB     | U/S me         |                     | and babie          | in abandula fier   | water it h                         | Marie establish  | Walter State of the second   |                        |  |
| OLE SIZE       | 1000           | -                   | T.I                |  |                                    | CEMENT   | 100  | 1                      | יוועלים ומענייי  |
| ASING SIZE     | 85/8           |                     |                    | PTH  |                                    | AMOUNT O   | RDERED   | 138 570                | CC   |
| JBING SIZE     | 27800          |                     |                    | PTH  | with pulled                        | -5/40  | get  | Colors Strain M.       | STOKE STOKES   |
| RILL PIPE      | injute.        | STATE OF THE        | the second second  | PTH  | Supplied the                       |  | SEND NOT WITHOUT IN  | Office Constant Money  |  |
| OOL MAY        |                | <del>selected</del> |                    | PTH  |                                    | MACHELISIUS I  | HERETO NAPA PRIME  | NAME OF TAXABLE PARTY. | SHE SEAD VE  |
| EAS, LINE      | F 203 h 10     | -                   |                    | NIMUM<br>OE JOINT  |                                    | COMMON_  |  | _ @                    |  |
| EMENT LEFT D   | N CSG          | 3nC4                | 311                | OLJOINI  |                                    | POZMIX   | of a   | @<br>@                 |  |
| RFS            | 14 000.        | 3/1L.4              | THE PERSON         |  |                                    | GEL  |  | @                      |  |
| SPLACEMENT     | 20             | 31/                 | 711                |  | THE PER                            | ASC  |  | @                      | Water State of the |
|                |                | QUIPME              | NT                 |  |                                    | ASC  |  | @                      |  |
| 111360000      | THE PARTY OF   | AVIDA               |                    | ALCOHOL VIDE   | MARKET STATE                       |  | AND DESCRIPTION OF THE PARTY OF | @                      | a les mentanes   |
| IMP TRUCK      | CEME           | NTER                | Harth              | 200  | NUMBER AND                         | A SECRETARY FOR  | tenni itikumaan a ka   | @                      |  |
| 409            | HELPE          | R                   | alu                |  |                                    |  |  | @                      |  |
| JLK TRUCK      | THE RESIDENCE  | resident            | - 0 KG 111         | Secretario Constituente  | a Physician                        | or a south of the  | Control Care sold  | @                      | MAND WAY   |
| B 477          | DRIVE          | R &                 | Son                |  | males (Id                          | THE PARTY OF   | degine distribute  | @                      |  |
| JLK TRUCK      |                |                     |                    |  |                                    |  |  | - @                    |  |
|                | DRIVE          | R                   |                    |  |                                    | 10   |  | @                      |  |
|                | OFFICE REAL    | for con             | Wild my Take       | OSTUPIO PARAMETERS   | £.0%.4(0)                          | HANDLING   | Capus  | . @                    | Bar Par les S  |
|                | Allen And      | na radio            | ARKS:              |  | SA Vettal St                       | MILEAGE  |  | TOTAL                  |  |
| St Crk         | عو که<br>باهاب | 85%<br>or 6         | 8-ccsig<br>with 1  | and but  | <del>19</del> 3+<br><del>2</del> β | DEPTH OF JO  |  | RVICE                  |  |
| ook w          | Cas            | 1 An                | v HAD              | ex and se  | lesso                              | PUMP TRUC  |  | Statis Messile (1991)  |  |
| 144 5          | 50394          | shipl               | rs 42              | 7 - Thul   | 2                                  | EXTRA FOO  |  | _ @                    | THE IT STUBBLE   |
| 400 05         | 7              | 0.00                | Se a princip       |  |                                    | MILEAGE _  |  | · @ ———                |  |
|                | 4              | The same            | NA A SERVICE STATE | -  |                                    | MANIFOLD.  |  | - @ ———                | 10 20 20 20 20 20 20 20 20 20 20 20 20 20  |
| ement D.       | d 5150         | releas              | e to 50            | N-foce !   |                                    |  |  | - @                    |  |
|                | 1100           |                     |                    | The state of the second  |                                    | The state of the s | Charles a extension  | - @ <del></del>        |  |
| LARGE TO:      | HUL            |                     |                    |  |                                    |  |  |                        |  |
| REET           |                |                     |                    |  |                                    |  |  | TOTAI                  | 4 10 10 10 10 10 10 10 10 10 10 10 10 10   |
| TY             | ST             | ATE                 | ZIJ                |  |                                    |  | PLUG & FLO   | AT EQUIPME             | NT   |
| ilobal Oil F   |                |                     |                    | CONTRACTOR   | 1 0 1 May 2                        | Preparation of   |  | @                      | Tool Trade   |
| ou are hereb   | y reques       | ted to              | rent cemer         | iting equipment  | and                                |  |  | @                      |  |
|                |                |                     |                    | wner or contracto  |                                    | 256  | Rubber Pkg   | @                      | A = 1 ( S + A )  |
|                |                |                     |                    | done to satisfac   |                                    |  | 1  | - @                    |  |
|                |                |                     |                    | ctor. I have read  |                                    |  |  | - @                    |  |
|                |                |                     | IEKMS Al           | ND CONDITIO  | 42                                 | THE WHOLVE   |  | (A) Service of the     | 106 SAN PASS   |
| sted on the re | verse sid      | Е.                  | ~ 1                |  |                                    |  | at the south of the  | TOTAL                  |  |
|                | 7              | ar Lain             | ) (                | and the same   | Sac A Seu                          | 200 Ta 1000 Sta  |  |                        | hos program  |
| RINTED NAME    | 100            | 45                  | 9190               |  | <del>dal</del> pe# ki              | SALES TAX  | (If Any)   | and and                | A Company of the   |
| GNATURE        | 1 pe           | en                  | Col                | e66  | 103880 Edi                         | TOTAL CHA  | RGES   |                        |  |
|                |                | 50                  | - Produce a        | THE RESERVE OF THE PARTY OF THE | PROPERTY OF                        | DISCOUNT   |  |                        | IF PAID IN 30 DA   |



P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 SalemC1Dst1

| Company H & B Petroleum Corporation                                       | Lease & Well No. Salem "C" No. 1                    |
|---|---|
| Elevation 1842 GL Formation Lansing "A-F"                                 | Effective PayFt. Ticket NoR                         |
| Date 12-5-16 Sec. 9 Twp. 21S Range  | Ctofford Kansas                                     |
|   | Diamond Representative Ricky Ray                    |
| Formation Test No. 1 Interval Tested from                                 | 3,211 ft. to 3,288 ft. Total Depth 3,288 ft         |
| Packer Depth3,206 ft. Size6 3/4 in.                                       | Packer Depthft. Sizein                              |
| Packer Depth 3,211 ft. Size 6 3/4 in.                                     | Packer Depthft. Sizeir                              |
| Depth of Selective Zone Setft.  | W W-  |
| Top Recorder Depth (Inside) 3,199 ft.                                     | Recorder Number 0062 Cap. 5,0                       |
| Bottom Recorder Depth (Outside) 3,280 ft.                                 | Recorder Number8471 Cap5,0                          |
| Below Straddle Recorder Depthft.  | Recorder Number Cap                                 |
| Drilling Contractor Southwind Drilling, Inc Rig 1                         | Drill Collar Lengthft I.D                           |
| Mud Type Chemical Viscosity 62  | Weight Pipe Lengthft I.D                            |
| Weight 8.9 Water Loss 7.2 cc  | Drill Pipe Length3,179 ft I.D.                      |
| Chlorides 2,000 P.P.M.  | Test Tool Lengthft Tool Size_3 I                    |
| Jars: Make Sterling Serial Number Not Run                                 | Anchor Length 14' perf. w/63' drill pipe Size 4 1/2 |
| Did Well Flow? No Reversed Out No   | Surface Choke Size1in. Bottom Choke Size            |
|   | Main Hole Size77/8 in. Tool Joint Size41/2          |
| Blow; 1st Open: 1/4 in. blow increasing to 2 1/2 ins. in 30 mins. No blow | pack during shut-in.                                |
| 2nd Open: 1/4 in. blow increasing to 1 1/2 ins. in 45 mins. No blow       |   |
| Recovered 22 ft. of mud = .313060 bbls. (Grind out: 100%-mud)             |   |
| Recovered ft. of  |   |
| Recovered ft. of  | *   |
| Recoveredft. of   |   |
| Recovered ft. of  |   |
|   |   |
| Remarks_Tool Sample Grind Out: 100%-mud                                   |   |
| Diesel in bucket.   |   |
|   |   |
| Time Set Packer(s) 6:26 P.M. Time Started off Bot                         |   |
| Initial Hydrostatic Pressure(A  | )1497_P.S.I.  |
| Initial Flow PeriodMinutes  | V   |
| Initial Closed In PeriodMinutes 30 (E                                     | 0)P.S.I.  |
| Final Flow PeriodMinutes45(E  | E)14 P.S.I to (F)24 P.S.I.                          |
| 4.5   | S)P.S.I.  |
| Final Hydrostatic Pressure(H  | 1470 P.S.I.   |



P.O. Box 157
HOISINGTON, KANSAS 67544
(620) 653-7550 • (800) 542-7313

SalemC1Dst2

| Company H & B Petroleum Corporation                        |  | Lease & Well No. Sa       | lem "C" No. 1          |                          |                      |
|--|--|---------------------------|------------------------|--------------------------|----------------------|
| Elevation 1842 GL Formation Lansing "H-                    | J"   | Effective Pay             |                        |                          | ket NoRR2            |
| Date12-6-16 Sec9Twp.                                       | 21S Range  | 12W County                | Stafford               | State                    | Kansas               |
| Test Approved By James C. Musgro                           |  | iamond Representative     |                        | Ricky Ra                 | у                    |
| Formation Test No. 2 Interval Tested f                     | rom  | 3,310 <sub>ft. to</sub> 3 | 3,380 ft. Tot          | tal Depth                | 3,380 <sub>ft</sub>  |
| Packer Depth3,305 ft. Size_                                | 6 3/4 in.  | Packer Depth              |                        | _ft. Size                | in.                  |
| Packer Depthft. Size_                                      | 6 3/4 in.  | Packer Depth              |                        | _ft. Size                | in.                  |
| Depth of Selective Zone Set                                |  |                           |                        |                          |                      |
| Top Recorder Depth (Inside)                                | 3,298 <sub>ft.</sub>   | Recorder Nun              | nber(                  | 0062 Cap                 | 5,000                |
| Bottom Recorder Depth (Outside)                            | 3,348 <sub>ft.</sub>   | Recorder Nun              | nber                   | 3471 Cap                 | 5,000                |
| Below Straddle Recorder Depth                              | ft.  | Recorder Nun              | nber                   | Cap                      |                      |
| Drilling Contractor Southwind Drilling, Inc Ri             | g 1  | Drill Collar Length       |                        | ft I.D                   |                      |
| Mud TypeChemicalViscosity                                  | 62   | Weight Pipe Length        |                        | ft I.D.                  |                      |
| Weight Water Loss  | 7.2cc.   | Drill Pipe Length         |                        | 3,283 <sub>ft</sub> I.D. | 3 1/                 |
| ChloridesP.P.  | .M.  | Test Tool Length          |                        | 27 <sub>ft</sub> Tool    | Size 3 1/2-          |
| Jars: Make <u>Sterling</u> Serial Number                   | Not Run  | Anchor Length 38' p       | erf. w/32' drill       | pipe Size                | 4 1/2-FI             |
| Did Well Flow? No Reversed Out No                          |  | Surface Choke Size_       | 1in. B                 | ottom Choke              | Size5.               |
|  |  | Main Hole Size            | 7 7/8 <sub>in.</sub> - | Tool Joint Size          | e4 1/2-X             |
| Blow: 1st Open: 1/4 in. blow increasing to 3/4 in. in 30 m | ins. No blow back d  | urina shut-in.            |                        |                          |                      |
| 2nd Open: No blow. Flushed tool 15 mins. in. Go            |  | <del></del>               |                        |                          |                      |
|  |  | -, <u>-</u>               |                        |                          |                      |
| Recovered 10 ft. of mud = .142300 bbls. (Grind             | out: 100%-mud)   |                           |                        |                          |                      |
| Recovered ft. of   |  |                           |                        |                          |                      |
| Recoveredft. of  | -11  |                           |                        |                          |                      |
| Recovered ft. of   |  |                           |                        |                          |                      |
| Recoveredft. of  |  |                           |                        |                          |                      |
| Recovered ft. of   |  |                           |                        |                          |                      |
| Remarks Tool Sample Grind Out: 100%-mud                    |  |                           |                        |                          |                      |
| Diesel in bucket.  |  |                           |                        |                          |                      |
| 4 <del></del>  |  |                           |                        |                          |                      |
| Time Set Packer(s) 11:32 A.M. Time S                       | tarted off Botton  |                           | Maximum 1              | Temperature_             | 97°                  |
| Initial Hydrostatic Pressure                               | The second secon |                           |                        |                          |                      |
| Initial Flow PeriodMinutes                                 |  |                           | to (C)                 | 1                        | <sup>3</sup> P.S.I.  |
| Initial Closed In PeriodMinutes                            | (D)  |                           |                        |                          |                      |
| Final Flow PeriodMinutes                                   | 30 (E)_  |                           | to (F)                 |                          | <sup>16</sup> P.S.I. |
| Final Closed In PeriodMinutes                              | 30 (G)_  | 30 <sub>P.S.I</sub> .     |                        |                          |                      |
| Final Hydrostatic Pressure                                 | (H)  | 1536 <sub>P.S.I.</sub>    |                        |                          |                      |
|  |  |                           |                        |                          |                      |



## **DIAMOND TESTING, LLC**

P.O. Box 157

### HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313 SalemC1Dst3 Page 1 of 2 Pages

Company H & B Petroleum Corporation Lease & Well No. Salem "C" No. 1 Formation Arbuckle 1842 GL RR2 -Ft. Elevation Effective Pay Ticket No. **21S** 12W Stafford Kansas Sec. County Date Twp. Range State James C. Musgrove Ricky Ray Test Approved By Diamond Representative 3,466 ft 3,398 ft. to \_\_\_\_  $3,466_{ft}$ Interval Tested from Formation Test No. Total Depth  $3,393_{ft}$ 6 3/4 in. -- in... Packer Depth Size Packer Depth ⁻⁻ft. Size 3,398 ft. 6 3/4 in. = ft. Size\_ Packer Depth Size Packer Depth Depth of Selective Zone Set 0062 5,000 3,386 ft Top Recorder Depth (Inside) Recorder Number Cap. 8471 3,436 ft 5,000 Bottom Recorder Depth (Outside) Recorder Number Cap. Below Straddle Recorder Depth Recorder Number Drilling Contractor Southwind Drilling, Inc. - Rig 1 Drill Collar Length\_ -- ft I.D. Chemical 54 -- ft I.D.\_ Mud Type Viscosity Weight Pipe Length 9.2 3,371 ft I.D. 3 1/ 8.0 Weight Water Loss Drill Pipe Length \_\_\_\_ 3 1/2-5,500 <sup>27</sup> ft Tool Size Chlorides P.P.M. Test Tool Length Anchor Length 37' perf. w/31' drill pipe 4 1/2-FI Sterling Not Run Jars: Make Serial Number Size No 1 in. Did Well Flow? Reversed Out Surface Choke Size **Bottom Choke Size** 7 7/8 in. 4 1/2-X Main Hole Size Tool Joint Size Blow: 1st Open: 1/4 in. blow increasing to 1 in. in 30 mins. No blow back during shut-in. 2nd Open: No blow. No blow back during shut-in. 5 ft. of mud = .071150 bbls. (Grind out: 100%-mud) Recovered ft. of Recovered Recovered ft. of Recovered ft. of ft. of Recovered ft. of Recovered Remarks Tool Sample Grind Out: 100%-mud w/a few oil specks Diesel in bucket. 4:13 A.M. 98° 6:13 A.M. Time Set Packer(s) Time Started off Bottom Maximum Temperature 1600 P.S.L Initial Hydrostatic Pressure....(A) 14 P.S.I. <sup>12</sup> P.S.I. to (C)\_\_\_\_\_ Initial Flow Period......Minutes (B) 33 P.S.I. Initial Closed In Period......Minutes (D) 30 15 P.S.I. 14 P.S.I to (F)\_\_\_\_\_ Final Flow Period......Minutes (E) <sup>26</sup> P.S.I. Final Closed In Period......Minutes (G) 1605 P.S.I. Final Hydrostatic Pressure....(H)



## **DIAMOND TESTING, LLC**

P.O. Box 157 **HOISINGTON, KANSAS 67544**(620) 653-7550 • (800) 542-7313

SalemC1Dst4

| Company H & B Petroleum Corporation   | Lease & Well No. Sal   | em "C" No. 1                  |
|---|------------------------|-------------------------------|
| Elevation 1842 GL Formation Arbuckle  | Effective Pay          |                               |
| Date12-7-16   | 40144                  | Stafford State Kansas         |
| Test Approved By James C. Musgrove  | Diamond Representative |                               |
| Formation Test No. 4 Interval Tested from   | 3,462 ft. to3          | ,478 ft. Total Depth 3,478 ft |
| Packer Depth3,457_ft. Size6 3/4_in.   | Packer Depth           | ft. Sizein.                   |
| Packer Depth 3,462 ft. Size 6 3/4 in.   | Packer Depth           | ft. Sizein.                   |
| Depth of Selective Zone Setft.  |                        |                               |
| Top Recorder Depth (Inside) 3,450 ft.   | Recorder Num           | ober0062_ Cap5,000            |
| Bottom Recorder Depth (Outside) 3,466 ft.   | Recorder Num           | nber8471                      |
| Below Straddle Recorder Depthft.  | Recorder Num           | ber Cap                       |
| Drilling Contractor Southwind Drilling, Inc Rig 1   | Drill Collar Length    | <u>f</u> ft I.D               |
| Mud Type Chemical Viscosity 51  |                        | ft I.D                        |
| Weight 9.2 Water Loss 9.6 cc  | Drill Pipe Length      | 3,435 <sub>ft</sub> I.D. 3 1/ |
| ChloridesP.P.M.   | Test Tool Length       | 27 ft Tool Size 3 1/2-        |
| Jars: Make Sterling Serial Number Not Run   | Anchor Length          | 16 ft. Size 4 1/2-Fi          |
| Did Well Flow? No Reversed Out No   | Surface Choke Size     | 1 in. Bottom Choke Size 5     |
|   | Main Hole Size         |                               |
| Blow; 1st Open: MISRUN! PACKER FAILURE! 2nd Open: N/A   |                        |                               |
| Recovered $278$ ft. of $\frac{\text{mud} = 3.955940 \text{ bbls. (Grind out: 100\%-mud)}}{278}$ |                        |                               |
| Recovered ft. of  |                        |                               |
| Recovered ft. of  |                        | *                             |
| Recoveredft. of   |                        |                               |
| Recoveredft. of   |                        |                               |
| Posovorod # of  |                        |                               |
| Remarks Tool Sample Grind Out: 100%-mud   |                        |                               |
| Diesel in bucket.   |                        |                               |
|   |                        |                               |
| Time Set Packer(s) 3:40 P.M. Time Started off Botto   | om4:27 P.M             | Maximum Temperature 95°       |
| Initial Hydrostatic Pressure(A)   | 1657 <sub>P.S.I.</sub> |                               |
| Initial Flow PeriodMinutes 47 (B)   | <sup>91</sup> P.S.I.   | to (C) 92 P.S.I.              |
| Initial Closed In PeriodMinutes0  | )P.S.I.                |                               |
| Final Flow PeriodMinutes 0 (E)  | P.S.I                  | to (F)P.S.I.                  |
| Final Closed In PeriodMinutes0 (G)  |                        |                               |
| Final Hydrostatic Pressure(H)   | 1673 P.S.I.            |                               |

## DIAMOND TESTING, LLC

## P.O. Box 157 HOISINGTON, KANSAS 67544

(620) 653-7550 • (800) 542-7313 SalemC1Dst5

| Company H & B Petroleum Corporation                                       | Lease & Well No. Salem | "C" No. 1                            |
|---|------------------------|--------------------------------------|
| Elevation1842 GL Formation_Arbuckle                                       | Effective Pay          | Ft. Ticket No. RR255                 |
|   | 401A/ Ct-              | afford State Kansas                  |
| Jale  | Diamond Representative | Dicky Day                            |
|   | 2.47                   |                                      |
| Formation Test No5 Interval Tested from                                   |                        | 8 ft. Total Depth 3,478 ft           |
| Packer Depth 3,394 ft. Size 6 3/4 in.                                     |                        | ft. Sizein.                          |
| Packer Depth3,399 ft. Size6 3/4 in.                                       | Packer Depth           | ft. Sizein.                          |
| Depth of Selective Zone Setft.  |                        |                                      |
| Top Recorder Depth (Inside) 3,387 ft.                                     | Recorder Number        |                                      |
| Bottom Recorder Depth (Outside) 3,468 ft.                                 | Recorder Number        | r8471 Cap5,000 psi.                  |
| Below Straddle Recorder Depthft.  | Recorder Number        | rpsi.                                |
| Drilling Contractor Southwind Drilling, Inc Rig 1                         | Drill Collar Length    | ft 1.Din                             |
| Mud Type Chemical Viscosity 54  | Weight Bine Length     | ft I.D in.                           |
| Widd Type   | c Drill Pine Length    | 3,3/2 ft I.D. $3/2$ in.              |
| 7,000   | Test Tool Length       | 27 ft 1001 Size_3 III                |
| ChloridesP.P.M.  Jars: MakeSterlingSerial Number Not Run                  | Anchor Length 16' perf | . w/63' drill pipe Size 4 1/2-FH in. |
| No.   | Surface Choke Size     | 1 in. Bottom Choke Size 5/8 in       |
| Did Well Flow? No Reversed Out No   | Main Hole Size         | 7/8 in. Tool Joint Size 4 1/2-XH in  |
|   |                        |                                      |
| Blow: 1st Open: 1/4 in. blow increasing to 1 1/4 ins. in 30 mins. No blow | v back during shut-in. |                                      |
| 2nd Open: No blow. No blow back during shut-in.                           |                        |                                      |
| Recovered 15 ft. of mud = .213450 bbls. (Grind out: 100%-mud              | )                      |                                      |
| Recovered ft. of  |                        |                                      |
| Recovered ft. of  |                        |                                      |
| Recoveredft. of   | Ni .                   |                                      |
| Recoveredft. of   |                        |                                      |
| Recovered ft. of  |                        |                                      |
| Remarks Tool Sample Grind Out: 100%-mud                                   |                        |                                      |
| Diesel in bucket.   |                        |                                      |
|   |                        | 99°                                  |
|   | ottom10:02 P.M.        | Maximum Temperature99                |
| Initial Hydrostatic Pressure  | (A) 1593 P.S.I.        | 21                                   |
|   | (B)8P.S.I.             | to (C)P.S.I.                         |
| 22  | (D) 67 P.S.I.          | 22                                   |
| Final Flow PeriodMinutes30  | _\_/                   | to (F) 22 P.S.I.                     |
| 0.0   | (G) 45 P.S.I.          |                                      |
| Final Hydrostatic Pressure  | (H)P.S.I.              |                                      |



P.O. Box 157 HOISINGTON, KANSAS 67544 (620) 653-7550 • (800) 542-7313 SalemC1Dst6

| Company H & B Petroleum Corporation  | Lease & Well No. Salem "C" No. 1                      |
|--|---|
| Elevation 1842 GL Formation Arbuckle   | Effective PayFt. Ticket NoRR                          |
| Date 12-8-16 Sec. 9 Twp. 21S Ran   | 40M/ Ctoffeed Vonces                                  |
| Test Approved By James C. Musgrove   | Diamond Representative Ricky Ray                      |
| Formation Test No. 6 Interval Tested from  | 3,398 ft. to 3,493 ft. Total Depth 3,493 ft           |
| Packer Depth 3,393 ft. Size 6 3/4 in.  | Packer Depthft. Sizein.                               |
| Packer Depth 3,398 ft. Size 6 3/4 in.  | Packer Depthft. Sizein.                               |
| Depth of Selective Zone Setft.   |   |
| Top Recorder Depth (Inside) 3,386 ft.  | Recorder Number0062_ Cap5,000                         |
| Bottom Recorder Depth (Outside) 3,467 ft.  | Recorder Number 8471 Cap. 5,000                       |
| Below Straddle Recorder Depthft.   | Recorder Number Cap                                   |
| Drilling Contractor Southwind Drilling, Inc Rig 1  | Drill Collar Lengthft I.D                             |
| Mud Type Chemical Viscosity 82   | Weight Pipe Lengthft I.D                              |
|  | cc. Drill Pipe Length3,371 ft I.D31                   |
| ChloridesP.P.M.  | Test Tool Length 27 ft Tool Size 3 1/2                |
| Jars: MakeSterlingSerial Number Not Run  | Anchor Length 32' perf. w/63' drill pipe Size 4 1/2-F |
| Did Well Flow? No Reversed Out No  | Surface Choke Size1in. Bottom Choke Size5             |
|  | Main Hole Size 7 7/8 in. Tool Joint Size 4 1/2->      |
| Blow: 1st Open: 1/4 in. blow increasing to 3 ins. in 30 mins. No blow ba                             | ack during shut-in.                                   |
| 2nd Open: 1/4 in. blow increasing to 1 in. in 30 mins. No blow ba                                    | ck during shut-in.                                    |
| Recovered 60 ft. of $\frac{\text{mud} = .853800 \text{ bbls.}}{\text{Grind out: } 100\%\text{-muc}}$ |   |
| Recovered ft. of   |   |
| Recovered ft. of   |   |
| Recovered ft. of   | , is  |
| Recovered ft. of   |   |
| Recovered ft. of   |   |
| Remarks Tool Sample Grind Out: 100%-mud w/a few oil sp   | pecks on top  |
| Diesel in bucket.  |   |
| 0.42 A M   | ottom 11:43 A.M. Maximum Temperature 93°              |
| Time Set Packer(s) 9:13 A.M. Time Started off Box  | ottom waximum temperature                             |
| Initial Hydrostatic Pressure(  |   |
| 20   | (B) 23 P.S.I. to (C) 32 P.S.I.                        |
| 15   | (D) 524 P.S.I.  |
| A.F.   | (E) 34 P.S.I. to (F) 41 P.S.I.                        |
|  | (G) 541 P.S.I.  |
| Final Hydrostatic Pressure   | (H) 1590 P.S.I.                                       |