KOLAR Document ID: 1528255

Confidentiality Requested:

Yes No

### Kansas Corporation Commission Oil & Gas Conservation Division

Form ACO-1
January 2018
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.:   |  |  |  |  |  |
|---|--|--|--|--|--|--|
| Name:   | Spot Description:  |  |  |  |  |  |
| Address 1:  |  |  |  |  |  |  |
| Address 2:  | Feet from North / South Line of Section                  |  |  |  |  |  |
| City:   | Feet from East / West Line of Section                    |  |  |  |  |  |
| Contact Person:   | Footages Calculated from Nearest Outside Section Corner: |  |  |  |  |  |
| Phone: ()   | □NE □NW □SE □SW  |  |  |  |  |  |
| CONTRACTOR: License #   | GPS Location: Lat:, Long:                                |  |  |  |  |  |
| Name:   | (e.g. xx.xxxxx) (e.gxxx.xxxxx)                           |  |  |  |  |  |
| Wellsite Geologist:   | Datum: NAD27 NAD83 WGS84                                 |  |  |  |  |  |
| Purchaser:  | County:  |  |  |  |  |  |
| Designate Type of Completion:   | Lease Name: Well #:                                      |  |  |  |  |  |
| New Well Re-Entry Workover  | Field Name:  |  |  |  |  |  |
|   | Producing Formation:                                     |  |  |  |  |  |
| ☐ Oil ☐ WSW ☐ SWD   | Elevation: Ground: Kelly Bushing:                        |  |  |  |  |  |
| ☐ Gas ☐ DH ☐ EOR  | Total Vertical Depth: Plug Back Total Depth:             |  |  |  |  |  |
| ☐ OG ☐ GSW  | Amount of Surface Pipe Set and Cemented at: Feet         |  |  |  |  |  |
| <ul><li>☐ CM (Coal Bed Methane)</li><li>☐ Cathodic</li><li>☐ Other (Core, Expl., etc.):</li></ul> | Multiple Stage Cementing Collar Used? Yes No             |  |  |  |  |  |
|   | If yes, show depth set: Feet                             |  |  |  |  |  |
| If Workover/Re-entry: Old Well Info as follows:   |  |  |  |  |  |  |
| 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 EOR ☐ Conv. to SWD  | Drilling Fluid Management Plan                           |  |  |  |  |  |
| Plug Back Liner Conv. to GSW Conv. to Producer  | (Data must be collected from the Reserve Pit)            |  |  |  |  |  |
| Commingled Permit #:  | Chloride content: ppm Fluid volume: bbls                 |  |  |  |  |  |
| Dual Completion Permit #:   | Dewatering method used:                                  |  |  |  |  |  |
| SWD Permit #:   | Location of fluid disposal if hauled offsite:            |  |  |  |  |  |
| EOR   | ·  |  |  |  |  |  |
| GSW   | Operator Name:   |  |  |  |  |  |
|   | Lease Name: License #:                                   |  |  |  |  |  |
| Spud Date or Date Reached TD Completion Date or   | QuarterSecTwpS. R East West                              |  |  |  |  |  |
| 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 Drill Stem Tests Received |  |  |  |  |  |  |
| Geologist Report / Mud Logs Received            |  |  |  |  |  |  |
| UIC Distribution                                |  |  |  |  |  |  |
| ALT I II Approved by: Date:                     |  |  |  |  |  |  |

KOLAR Document ID: 1528255

#### Page Two

| Operator Name:   |  |                              |                                 |  | Lease Nam  | ne:                          |                                    |                      | Well #:  |  |
|--|--|------------------------------|---------------------------------|--|--|------------------------------|------------------------------------|----------------------|--|--|
| Sec Tw   | pS. F  | R [                          | East                            | West   | County:  |                              |                                    |                      |  |  |
| open and closed and flow rates if  | , flowing and sh<br>gas to surface t<br>ty Log, Final Lo | nut-in pressurest, along wit | es, whe<br>h final c<br>ain Geo | ther shut-in pre<br>hart(s). Attach<br>physical Data a | essure reached<br>extra sheet if r<br>and Final Electr | station<br>more :<br>ric Loc | level, hydrosta<br>space is needed | tic pressures,<br>d. | bottom hole tempe  | val tested, time tool erature, fluid recovery,  Digital electronic log |
| Drill Stem Tests Taken Yes  (Attach Additional Sheets)                   |  |                              |                                 |  |  | Log Formation (Top), Dep     |                                    |                      | n and Datum  | Sample   |
| Samples Sent to  | Geological Sur   | vey                          | Ye                              | es 🗌 No  |  | Name                         | )                                  |                      | Тор  | Datum  |
| Cores Taken<br>Electric Log Run<br>Geologist Repor<br>List All E. Logs F | t / Mud Logs   |                              | Y€  Y€                          | es No  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              | Repo                            |  | RECORD [   | Nev                          | w Used rmediate, producti          | on. etc.             |  |  |
| Purpose of St  |  | ze Hole<br>Orilled           | Size Casing<br>Set (In O.D.)    |  | Weight<br>Lbs. / Ft.                                   |                              | Setting<br>Depth                   | Type of Cement       | # Sacks<br>Used  | Type and Percent<br>Additives  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 | ADDITIONAL   | OF MENTING /   |                              |                                    |                      |  |  |
| Purpose:   | [  | Depth                        | Typo                            |  | # Sacks Use  |                              | EEZE RECORD                        | Typo a               | ad Paraant Additivas   |  |
| Perforate Protect Casing Plug Back TD                                    |  | Type of Cement               |                                 | # Jacks Useu   |  | Type and Percent Additives   |                                    |                      |  |  |
| Plug Off Z   |  |                              |                                 |  |  |                              |                                    |                      |  |  |
| Did you perform     Does the volum     Was the hydraul                   | e of the total base                                      | fluid of the hyd             | draulic fra                     | cturing treatmen                                       |  | •                            | Yes ns? Yes                        | No (If No            | , skip questions 2 an<br>, skip question 3)<br>, fill out Page Three o | ,  |
| Date of first Produ  | ction/Injection or                                       | Resumed Produ                | uction/                         | Producing Meth   |  |                              | Coolift 0                          | thor (Fundain)       |  |  |
| Prowing Pumping Gas Line Guner (Explain)                                 |  |                              |                                 |  |  | Gravity                      |                                    |                      |  |  |
| Estimated Production Per 24 Hours  |  | Oil Bb                       | 15.                             | Gas  | Mcf  | Wate                         | ı Di                               | JIS.                 | Gas-Oil Ratio  | Gravity  |
| DISPOSITION OF GAS: METHOD OF COMPLETION: PRODUCTION INTERVAL:           |  |                              |                                 |  |  |                              | N INTERVAL:                        |                      |  |  |
| Vented Sold Used on Lease Open Hole Perf. Dually Comp. Commingled        |  |                              |                                 |  | Bottom   |                              |                                    |                      |  |  |
| (If vente  | ed, Submit ACO-18  | .)                           |                                 |  | (5   | SUDITIIL I                   | ACO-5) (SUDI                       | mit ACO-4)           |  |  |
| Shots Per<br>Foot  | Perforation<br>Top                                       | Perforation<br>Bottom        | on                              | Bridge Plug<br>Type                                    |  |                              |                                    | Record               |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
|  |  |                              |                                 |  |  |                              |                                    |                      |  |  |
| TUBING RECOR   | D: Size:   |                              | Set At:                         |  | Packer At:   |                              |                                    |                      |  |  |

| Form      | ACO1 - Well Completion    |  |  |  |  |
|-----------|---------------------------|--|--|--|--|
| Operator  | Shakespeare Oil Co., Inc. |  |  |  |  |
| Well Name | OTTLEY 2-16               |  |  |  |  |
| Doc ID    | 1528255                   |  |  |  |  |

## Perforations

| Shots Per<br>Foot | Perforation<br>Top | Perforation<br>Bottom | BridgePlugTyp<br>e               | BridgePlugSet<br>At | Material<br>Record |
|-------------------|--------------------|-----------------------|----------------------------------|---------------------|--------------------|
|                   |                    |                       | CIBP Cast<br>Iron Bridge<br>Plug | 4065                |                    |
| 4                 | 4012               | 4015                  |                                  |                     | 250 gal 15%<br>RWR |
| 4                 | 4006               | 4010                  |                                  |                     | 250 gal 15%<br>RWR |
| 4                 | 3973               | 3976                  |                                  |                     | 250 gal 15%<br>RWR |
| 4                 | 3880               | 3884                  |                                  |                     | 250 gal 15%<br>RWR |
| 4                 | 3872               | 3876                  |                                  |                     | 250 gal 15%<br>RWR |
| 4                 | 3828               | 3836                  |                                  |                     | 250 gal 15%<br>RWR |

| Form      | ACO1 - Well Completion    |  |  |  |  |
|-----------|---------------------------|--|--|--|--|
| Operator  | Shakespeare Oil Co., Inc. |  |  |  |  |
| Well Name | OTTLEY 2-16               |  |  |  |  |
| Doc ID    | 1528255                   |  |  |  |  |

## Casing

| Purpose<br>Of String | Size Hole<br>Drilled | Size<br>Casing<br>Set | Weight | Setting<br>Depth | Type Of<br>Cement | Number of<br>Sacks<br>Used | Type and Percent Additives                                    |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----------------------------|---|
| Surface              | 12.25                | 8.625                 | 23     | 225              | Class A           | 175                        | 3% CaCl2,<br>2% gel   |
| Production           | 7.875                | 5.5                   | 15.5   | 4505             | ASC               | 195                        | 5#/sx<br>gilsonite,<br>1/4#/sx<br>floseal &<br>3/4% CD-<br>31 |
|                      |                      |                       |        |                  |                   |                            |   |
|                      |                      |                       |        |                  |                   |                            |   |