KOLAR Document ID: 1486711

| Confiden | tiality Re | quested: |
|----------|------------|----------|
| Yes | No | |

Purchaser: ____

GSW

Recompletion Date

Spud Date or

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

Feet

Feet

____ sx cmt.

_____ bbls

WELL COMPLETION FORM WELL HISTORY - DESCRIPTION OF WELL & LEASE

County:___

Field Name:

Producing Formation: ____

Elevation: Ground:____

If yes, show depth set: ____

| OPERATOR: License # | API No.: |
|-----------------------|--|
| Name: | Spot Description: |
| Address 1: | |
| Address 2: | Feet from Dorth / South Line of Section |
| City: State: Zip:+ | Feet from Deast / 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) |
| Wellsite Geologist: | Datum: NAD27 NAD83 WGS84 |

Designate Type of Completion:

| New Well | F | Re-Entry | Workover |
|------------|--------------|--------------------|----------|
| Oil | WSW | SWD | |
| Gas | DH | EOR | |
| OG | | GSW | |
| CM (Coal E | Bed Methane) | | |
| Cathodic | Other (C | ore, Expl., etc.): | |

If Workover/Re-entry: Old Well Info as follows:

| Operator: | |
|----------------------|---------------------------|
| Well Name: | |
| Original Comp. Date: | Original Total Depth: |
| Deepening Re-perf. | Conv. to EOR Conv. to SW |
| Plug Back Liner | Conv. to GSW Conv. to Pro |
| Commingled | Permit #: |
| Dual Completion | Permit #: |
| SWD | Permit #: |
| EOR | Permit #: |

Date Reached TD

| | feet depth to:w/ |
|-----------------------------|--|
| v. to SWD v. to Producer | Drilling Fluid Management Plan (Data must be collected from the Reserve Pit) |
| | Chloride content: ppm Fluid volume: |
| | Location of fluid disposal if hauled offsite: |
| | Operator Name: |

License #:____ Lease Name: _____ Quarter _____ Sec. _____ Twp.____S. R. ____ East West ____ Permit #:_____ County:

Lease Name: _____ Well #: _____

Total Vertical Depth: _____ Plug Back Total Depth: ____

Multiple Stage Cementing Collar Used? Yes No

Amount of Surface Pipe Set and Cemented at: ____

If Alternate II completion, cement circulated from: ____

_____ Kelly Bushing: ____

AFFIDAVIT

Permit #: _____

Completion Date or

Recompletion Date

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 III Approved by: Date: |

KOLAR Document ID: 1486711

| Operator Name: | Lease Name: Well #: |
|-------------------------|---------------------|
| Sec TwpS. R East _ West | County: |

Page Two

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 (Attach Additional Sh | eets) | Y | es 🗌 No | | | og Formatio | n (Top), Depth | and Datum | Sample |
|--|---|------------------------------|----------------------------|-----------------------|-------------|-------------------------------|-----------------------|---|-------------------------------|
| Samples Sent to Geolog | * | | és 🗌 No | Ν | lame | e | | Тор | Datum |
| Cores Taken Electric Log Run Geologist Report / Mud List All E. Logs Run: | | | ies No ies No ies No | | | | | | |
| | | Repo | CASING I | |] Ne | w Used rmediate, productio | on, etc. | | |
| Purpose of String | Size Hole Drilled | | ze Casing tt (In O.D.) | Weight Lbs. / Ft. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | ADDITIONAL | CEMENTING / | SQU | EEZE RECORD | | | |
| Purpose: Perforate | Depth Top Bottom | Туре | Type of Cement # Sac | | Used Type a | | | and Percent Additives | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | | |
| Did you perform a hydra Does the volume of the is Was the hydraulic fractu Date of first Production/Inj | total base fluid of the h ring treatment informa | nydraulic fra tion submit | acturing treatment | al disclosure regis | - | Yes Yes Yes Yes | No (If No, s | kip questions 2 ar kip question 3) ill out Page Three | |
| Injection: | | | Flowing | Pumping | | Gas Lift 🗌 O | ther <i>(Explain)</i> | | |
| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Wate | er Bb | ls. | Gas-Oil Ratio | Gravity |
| DISPOSITION | I OF GAS: | | M | ETHOD OF COM | IPLE | TION: | | | ON INTERVAL: |
| Vented Sold (If vented, Subm | Used on Lease | | Open Hole | | - | | mingled | Тор | Bottom |
| | oration Perfora Top Botto | | Bridge Plug Type | Bridge Plug Set At | | Acid, | | ementing Squeeze | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | | Packer At: | | | | | |

| Form | ACO1 - Well Completion |
|-----------|---------------------------|
| Operator | H & C Oil Operating Inc. |
| Well Name | ROSALIE K-F UNIT 7-18 SWD |
| Doc ID | 1486711 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|-----|----------------------------------|
| Surface | 12.25 | 8.625 | 20 | 232 | common | 175 | 2% gel, 3%CC |
| Production | 7.875 | 5.50 | 15.50 | 2173 | QMDC | 555 | 1/2# floseal per sack |
| | | | | | | | |
| | | | | | | | |

| Phone 785-483-1071 Cell 785-324-1041 | Home Office P.O. | ax I.D.# 20-2 Box 32 Rus | | No. | 1843 |
|---|--------------------|-----------------------------|---------------------------|--|---------------------------------------|
| Sec. | Twp. Range | County | State | On Location | Finish |
| Date 1/-2/0-/9 18 | 9 24 6 | oraham | K5 | | 5:15p- |
| | Loc | ationWakene | V Riche So | 0 180R2 311 1 | Re |
| ease RESalie K.F. Unit | 7-18 Well No. 500D | Owner 3 | 4W Sinto | | |
| ontractor / Scover / #2 | 1 | To Quality O | ilwell Cementina, Inc | c. cementing equipmen | t and furnish |
| ype Job 4 Jash Nawn | | cementer an | id helper to assist ow | iner or contractor to de | o work as listed. |
| lole Size 778 | T.D. 2216 | Charge To | HXC | | |
| isg. 5 1/2 15.50 | Depth 2173 | Street | | | : |
| bg. Size | Depth | City | | State | |
| ool | Depth | The above wa | as done to satisfaction a | and supervision of owner | agent or contracto |
| Cement Left in Csg. 21,33 | | Cement Am | ount Ordered | 5 8/20 QIND | C 1/2#AC |
| leas Line | Displace 51 14BC | | ~ 1 / | | × |
| EQUIP | | Common 5 | 85 % (VI | MBC | |
| umptrk 20 No. Cementer Helper | raig | Poz. Mix | | | |
| Bulktrk 9 No. Driver | 16 | Gel. | | | |
| Bulktrk 19 No. Driver Mich | wel- | Calcium | | | - |
| JOB SERVICES | S & REMARKS | Hulls | | | |
| emarks: | | Salt | | | |
| at Hole 39516 | | Flowseal 3 | nott | | |
| louse Hole | | Kol-Seal | | | |
| Centralizers | | Mud CLR 48 | 3 | | |
| Baskets | | CFL-117 or | CD110 CAF 38 | | |
| D/V or Port Collar | | Sand | and a start | a state a state | |
| 5/250+12123 | Bartles 2151 | Handling | 585 | | |
| By Circulation. Mix | 5555A | Mileage | | | |
| Clean Line + DisDlar | 9 9 | | FLOAT EQUIPI | VENT | |
| Cement incola | tpd. | Guide Shoe | | | |
| Pla Vinder 10 1700 | ,⊄ . | Centralizer | 5 | 1997 - Santa S | · · · · · · · · · · · · · · · · · · · |
| Shine Cont | | Baskets | 5 | | |
| | 115 | AFU Inserts | <u></u> | | |
| | , WK (| Float Shoe | Packer She | | |
| 1/10 | | Latch Down | 1 | and a strategy and and a | 5 |
| | | | | | |
| | | | | | |
| \sim | | Pumptrk Ch | harge prod | Steing | |
| | | Mileage | 351 | 1000 - 100 | |
| | P | | | Тах | |
| 510 | | | | Discount | |
| X Signature | dule | | | Total Charge | ! |