KOLAR Document ID: 1734442

| Сс | 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 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) |
| Wellsite Geologist: | Datum: NAD27 NAD83 WGS84 |
| Purchaser: | County: |
| Designate Type of Completion: | Lease Name: Well #: |
| New Well Re-Entry Workover | Field Name: |
| | Producing Formation: |
| | Elevation: Ground: Kelly Bushing: |
| Gas DH EOR | Total Vertical Depth: Plug Back Total Depth: |
| 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 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) |
| | Chloride content: ppm Fluid volume: bbls |
| Commingled Permit #: Dual Completion Permit #: | Dewatering method used: |
| Dual Completion Permit #: SWD Permit #: | Leastion of fluid diaposal if hould affeite: |
| EOR Permit #: | Location of fluid disposal if hauled offsite: |
| GSW Permit #: | Operator Name: |
| | Lease Name: License #: |
| Spud Date or Date Reached TD Completion Date or | Quarter Sec TwpS. R East _ West |
| Recompletion Date 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 III Approved by: Date: | | | | | | |

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| Operator Nam | ne: | | | Lease Name: | Well #: |
|--------------|-----|------|-----------|-------------|---------|
| Sec | Twp | S. 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 Sheets) | | Y | ′es 🗌 No | | Log Formation (Top), Depth and Datum | | Sample | | |
|--|---|------------|--|----------------------|---|-------------------------------|-----------------------|------------------------------------|-------------------------------|
| | | | ⁄es 🗌 No | 1 | Name | Э | | Тор | Datum |
| Samples Sent to Geological Survey Cores Taken Electric Log Run Geologist Report / Mud Logs List All E. Logs Run: | | □ Y □ Y | Yes ☐ No Yes ☐ No Yes ☐ No | | | | | | |
| | | Rep | CASING ort all strings set-c | | Ne | w Used rmediate, productio | on, etc. | | |
| Purpose of String | Size Hole Drilled | Siz | ze Casing et (In O.D.) | Weight Lbs. / Ft. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives |
| | | | | | | | | | |
| | | | | | | | | | |
| [| | | ADDITIONAL | CEMENTING / | SQU | EEZE RECORD | | | |
| Purpose: | Depth Top Bottom | Туре | e of Cement | # Sacks Used | | | Type and | Percent Additives | |
| Protect Casing Plug Back TD Plug Off Zone | | | | | | | | | |
| 2. Does the volume of the | 1. Did you perform a hydraulic fracturing treatment on this well? Yes No (If No, skip questions 2 and 3) 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? Yes No (If No, skip question 3) 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, fill out Page Three of the ACO-1) | | | | | | | | |
| Date of first Production/Inj Injection: | jection or Resumed Pr | oduction/ | Producing Meth | iod: | | Gas Lift 🗌 O | ther <i>(Explain)</i> | | |
| Estimated Production Oil Bbls Per 24 Hours | | Bbls. | Gas Mcf | | Water Bbls. | | Gas-Oil Ratio Gravity | | |
| DISPOSITION OF GAS: | | | METHOD OF | | COMPLETION: | | | PRODUCTION INTERVAL: Top Bottom | |
| Vented Sold Used on Lease (If vented, Submit ACO-18.) | | | Open Hole Perf. | | Dually Comp. Commingled (Submit ACO-5) (Submit ACO-4) | | • | юр | |
| Shots Per Perforation Perforation Foot Top Bottom | | | Bridge Plug Bridge Plug Type Set At | | g Acid, Fracture, Shot, Cementing Squeeze Rec (Amount and Kind of Material Used) | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | | Packer At: | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | RJ Energy, LLC |
| Well Name | HERMAN 17-A |
| Doc ID | 1734442 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----|----------------------------------|
| Surface | 9.875 | 7 | 17 | 20 | portland | 8 | n/a |
| Production | 5.875 | 2.875 | 9 | 825 | portland | 84 | n/a |
| | | | | | | | |
| | | | | | | | |