KOLAR Document ID: 1326426

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: | SecTwpS. R |
| Address 2: | Feet from North / South Line of Section |
| City: State: Zip:+ | 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: |
| □ Oil □ WSW □ SWD | Producing Formation: |
| Gas DH EOR | Elevation: Ground: Kelly Bushing: |
| ☐ OG ☐ GSW | 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? Yes No |
| 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) |
| Committed at Provider | Chloride content: ppm Fluid volume: bbls |
| ☐ Commingled Permit #: | Dewatering method used: |
| SWD Permit #: | Location of fluid disposal if hauled offsite: |
| EOR Permit #: | Location of fluid disposal if fladied offsite. |
| GSW Permit #: | Operator Name: |
| <u> </u> | Lease Name: License #: |
| Spud Date or Date Reached TD Completion Date or | Quarter Sec TwpS. 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: | | | | | | |

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Page Two

| Operator Name: | | | | Lease Name: | | | Well #: | | |
|---|---------------------|-----------------------|------------------------------|-----------------------|-------------------------------|---|---|--|--|
| Sec Twp. | S. R. | Ea | st West | County: | | | | | |
| | lowing and shu | ıt-in pressures, w | hether shut-in pre | ssure reached st | atic level, hydrosta | tic pressures, bot | | val tested, time tool erature, fluid recovery, | |
| Final Radioactivity files must be subm | | | | | | iled to kcc-well-lo | gs@kcc.ks.gov | v. Digital electronic log | |
| Drill Stem Tests Ta | | | Yes No | | | on (Top), Depth ar | nd Datum | Sample | |
| Samples Sent to G | eological Surv | ey | Yes No | Na | me | | Datum | | |
| Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru | _ | | Yes No Yes No Yes No | | | | | | |
| | | Re | | | New Used | ion, etc. | | | |
| Purpose of Strin | | Hole | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | ADDITIONAL | CEMENTING / SO | QUEEZE RECORD | l | | | |
| l lop Bottom | | | pe of Cement | # Sacks Used | ed Type and Percent Additives | | | | |
| Perforate Protect Casii Plug Back TI | | | | | | | | | |
| Plug Off Zon | | | | | | | | | |
| Did you perform a Does the volume o Was the hydraulic | of the total base f | luid of the hydraulic | fracturing treatment | _ | _ | No (If No, sk | ip questions 2 an ip question 3) out Page Three | , | |
| Date of first Producti Injection: | on/Injection or Re | esumed Production | / Producing Meth | nod: | Gas Lift 0 | Other <i>(Explain)</i> | | | |
| Estimated Production Per 24 Hours | on | Oil Bbls. | | | | Bbls. Gas-Oil Ratio Gravity | | | |
| DISPOS | SITION OF GAS: | | N | METHOD OF COMP | LETION: | | | ON INTERVAL: | |
| | _ | on Lease | Open Hole | | | mmingled mit ACO-4) | Тор | Bottom | |
| , | Submit ACO-18.) | | | | | | | | |
| Shots Per Foot | Perforation Top | Perforation Bottom | Bridge Plug Type | Bridge Plug Set At | Acid, | Fracture, Shot, Cer (Amount and Kind | menting Squeeze I of Material Used) | Record | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set / | At: | Packer At: | | | | | |
| . 5213 12.00 10. | 5120. | | ··· | . 30.0.71 | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | BEREXCO LLC |
| Well Name | LOVE 1-18 |
| Doc ID | 1326426 |

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 | 23 | 1582 | 65/35 & Class A | 1/4# flakes, 3% CC |
| | | | | | | |
| | | | | | | |
| | | | | | | |



CEMENTING LOG

STAGE NO.

| - 12-5° | ale | . Bok | 100 | Ticket No. 68 | 225 | CEMENT DATA: | |
|------------------|---------------------------------------|------------|----------------|---------------|-------------|---|--------------|
| | Derey | | 7- | Rio Gerec | Service 1 | Spacer Type: | |
| Company Lease | Ore | ~ 6.2 | | Well No | | Amt. Sks Yield 1ta/sk Density | PP(|
| | stein for | | | State | | | |
| Location | | 0 40 | | Field | | LEAD: Pump Time hrs. Type 437 69696 | 3 05, |
| Johnson | | E. 3/15 | 60114 TO | rieid | | Stace Kyflosea C Excess | · top |
| CASING DATA | *** | | PTA 🔲 | Squeeze 🔲 I | viisc □ | Amt. SkS Sks Yield 2020 ft³/sk Density 1200 | PPC |
| رمند | . Surface | | | | iner 🗌 | TAIL: Pump Time hrs. Type disa 30% c | _ ' ' ` |
| Size | | | iaht | Collar | | Excess | <u>/حيا/</u> |
| | | | 9.7. | CONIAN | | Amt. ASO Sks Yield 1033 ft ³ /sk Density 19090 | _PPG |
| | | | | | | WATER: Lead gals/sk Tail gals/sk Total | |
| | | · | | | | galay ak Total | , Dus |
| Casing Depths: | Top | ? | _ Bottom/ | CT 15 | X A | Pump Trucks Used SZL-281 | , |
| | | | | | | Bulk Equip. Programme Bulk Equip. | |
| | | | | | | 861 | |
| | 4 | | | | | | |
| Drill Pipe: Size | | Weight | | Collars | | | |
| Open Hole: Size | 12/4 | T.D. 🧘 | <i>]15</i> ft. | P.B. to | ft. | Float Equip: Manufacturer Leventher Ford | |
| CAPACITY FACT | | | | | | Shoe: Type Garide 1400 Denth 1965 | |
| Casing: | | | | Bbl | | Float: Type AFG INSOF Depth 129168 | () |
| Open Holes: | Bbls/Lin. ft | | Lin. ft./ | Bbl | | Centralizers: Quantity 3 Plugs Top Btm | |
| Drill Pipe: | Bbls/Lin. ft | | Lin, ft,/I | Bbl | | Stage Collars | |
| Annulus: | Bbls/Lin. ft | | Lin. ft./I | Bbl | | Special Equip. 98402 | |
| | | | | 3bl | | Special Equip. State Amt Bbls, Weight | . PPG |
| Perforations: | From | ft. to | | ft. Amt | | Mud Type Weight | |
| | | | | | | | |
| COMPANY REP | RESENTATIVE | | | | | CEMENTER AND COL | |
| TIME | PRESSI | IRES PSI | FIL | JID PUMPED | DATA | | |
| AM/AM | | 1 | TOTAL | Pumped Per | RATE | REMARKS | • |
| AIVIZIPIVI | DRILL PIPE CASING | ANNULUS | FLUID | Time Period | Bbls Min. | | |
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CEMENTING LOG

STAGE NO.

| Company Busy Co Rig Bust County State Well No. Amt. Sks Yield It's Density PP Lease Lave Well No. Amt. Sks Yield It's Density PP Location Field LEAD: Pump Time Its. Type Bust County State Well No. Amt. Sks Yield It's Density PP CASING DATA: Conductor PTA D Squeeze Misc Amt. Sks Yield It's Density PP Surface Intermediate Production Liner TAIL: Pump Time hrs. Type Size Styled It's Density PP Water: Lead D gals/sk Tail gals/sk Total Bbb Casing Depths: Top Bottom Pump Trucks Used Styled It's Sks Yield It's Sks Yiel | Date 12/01/ | Diet | irica Qaklar | | Ticket Nob 819 | W. | CEMENT DATA: | | | |
|--|------------------|---|----------------|-------------|----------------|--|---|----------------|--|--|
| Location County | | | | | | | | | | |
| Leading Daylin Consider Production Line Miss Type T | Lease | Love | | | | } | JAN TICK | | Cysk Density | PP |
| CASING DATA: Conductor PTA D Squeeze Miss Amt 11/1 Sta Visial 11 Nysi Constity Production Lipse Nature Invisit Constity Production Lipse Nature Invisit Constity Process Ant. Sta Visial 11 Nysi Constity Process Ant. Sta Visial Nysi Constity Process Note Visial Nysi Constity Process Note Visial Nysi Constity Process Nysi Constity Process Nysi Constity Nysi Constity Process Nysi Constity Nysi Constity Nysi Constity Nysi Constity Nysi Constity Nysi Consti | County | Stanton | | | | | | | | ····· |
| String Intermediate Production Sequence Mace TAL Perror Trove Introduction Line mediate Production Line mediate Production Line mediate TAL Perror Trove Intermediate Production Line mediate TAL Perror Trove Intermediate Production Line mediate TAL Perror Trove Intermediate Production Line mediate Production Line mediate Line me | Location | | , | <u> </u> | Field | | | | | sel |
| Size ASI Type Weight Coller And Type Production I Like I Property For Coller Econes Property And Property In Type Benefity Property And Property In Type Benefity Property In Type Benefit Property In Type Benefit Property In Type Benefit Property Benefit Bene | CASING DATA | : Conductor | | PTA 1212 | Squeeze 🗍 . | Misc 🏻 | April 120 Ske Viola | 142 | Excess | |
| Size GDM Type Weight Coller From Whight Purps World Filty for Density PPP WATER Level D A gels/or Toll gels/or Tola Bottom Diff Pipe Size May Tol Coffers General Depths Top Bottom Diff Pipe Size May Tol Coffers General Depths Top Depth Government of the Date Depth Depth Depth Government of the Date Depth Depth Government of the Date Depth General Depth Government of the Date Depth General Depth Gener | | | | | | | TAIL: Pump Time | | hre Time | |
| Ann. Six Yield 111/4s Density PPP WATER Levid Left gold/sk Tail gold/sk Total Bible WATER Levid Levid Left gold/sk Tail gold/sk Total Bible WATER Levid Levid Gold/sk Tail gold/sk Total Bible WATER Levid L | Size _ 595 / 1 | Туре | We | | | | | | | |
| WATER Lead D 4 | | | | · | | | Amt Sks Yield _ | | ft3/sk Density | DDC |
| Casing Depths: Top Bottom: Pamp Tractes Used: 126 Jdd Delic Engip. PPI del | · | * # # # # # # # # # # # # # # # # # # # | 4 | | - | | WATER: Lead 6 9 g | als/sk Tail | gals/sk Total | Bbls |
| Dill Piper Size | Casing Depths: | Тор | ···· | _ Bottom - | | | Pump Trucks Used 566 36 | / | | |
| Drill Piper Size Post Easier Manufacturer | | ······································ | | | | | Bulk Equip. 89 ASJ | | | |
| DOR PIPES Side | | | | <u>-</u> | | - | | | | |
| Open Holes Sire 7 LP TD ft. P.D. o. ft. P.D. o. ft. Shoe: Typo Depth Short Year Cross Shoe: Typo Depth Short Year Depth Short Year Depth Depth Short Year Depth Depth Short Year Depth Depth Short Year Depth Depth Depth Short Year Depth Depth Short Year Depth Depth Depth Depth Short Year Depth Depth Depth Depth Short Year Depth | Delli Dinas Cisa | Ofte. | 10/-1-1- | | | | | | i i | |
| CAPACITY FACTORS Casing: Bolty In. ft. Lin. ft / Bbl. Lin. ft / Bbl. Cartabase: Country Plags Top Bolty In. ft. Distry Depth | •. | - 6 | | | | | | - | | |
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| Open Holdes Bibly Lin. ft. Lin. ft./Bbl. Lin. ft./Bbl. Stage Collets Bibly Lin. ft. Lil. Lin. ft./Bbl. Stage Collets Bibly Lin. ft. Lil. ft./Bbl. Stage Collets Bibly Lin. ft. Lin. ft./Bbl. Stage Collets Bibly Lin. ft. ft. bibl. Stage Collets Bibly Lin. ft. Lin. ft./Bbl. Stage Collets From ft. to ft. Amt. Mad Type Amt. Biblis. Weight PPG COMPANY REPRESENTATIVE CEMENTER FILLID PUMPED DATA TIME PRESSURES PSI FLUID PUMPED DATA AM/PM Dill. FPE CASING ANNULUS COLLETS Bibly Mile. France From Ft. Lin. F | | | | lin it / | DN | | | | | |
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| AM/PM DRILL PIPE ANNULUS TOTAL Pumped For The Parish AM/PM DRILL PIPE ANNULUS TOTAL Pumped For BBK. Min. Fire Parish F | COMPANY REPF | RESENTATIVE | | | | | CEMENTER | | | |
| AM/PM DRIL PIPE ANNULIS TOTAL Pumped Par Time Period Biss Min. **Now So Stay Ibl.** **So Stay Ibl.** **Now So Stay Ibl.** **Now | TIME | PRESSU | RES PSI | FLU | JID PUMPED I | DATA | | | | |
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