KOLAR Document ID: 1839615

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: 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: |
| | 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 |
| CM (Coal Bed Methane) | · |
| 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) |
| Described | 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 flauled offsite. |
| GSW Permit #: | Operator Name: |
| | Lease Name: License #: |
| Spud Date or Date Reached TD Completion Date or | Quarter Sec 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 ☐ 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 | ast West | County: | | | | | |
| | flowing 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.go\ | . Digital electronic log | |
| Drill Stem Tests Ta | | | Yes No | | _ | on (Top), Depth ar | Sample | | |
| Samples Sent to G | Geological Surv | ey | Yes No | Na | me | | Тор | Datum | |
| Cores Taken Electric Log Run Geologist Report / List All E. Logs Ru | _ | | Yes No Yes No Yes No | | | | | | |
| | | R | | | New Used | on, etc. | | | |
| Purpose of Strir | | Hole | Size Casing Set (In O.D.) | Weight Lbs. / Ft. | Setting Depth | Type of Cement | # Sacks Used | Type and Percent Additives | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | ADDITIONAL | CEMENTING / S | QUEEZE RECORD | I | | | |
| Purpose: | | epth Ty | pe of Cement | # Sacks Used | sed Type and Percent Additives | | | | |
| Protect Casi | | | | | | | | | |
| 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: | ion/Injection or Re | esumed Production | / Producing Meth | nod: | Gas Lift 0 | Other (Explain) | | | |
| Estimated Production Per 24 Hours | on | Oil Bbls. | | | | | Gas-Oil Ratio | Gravity | |
| DISPOS | SITION OF GAS: | | N | METHOD OF COMP | LETION: | | | N INTERVAL: Bottom | |
| | _ | 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 (1200) 10. | JIEG. | | | . 30.0.71 | | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------|
| Operator | Altavista Energy, Inc. |
| Well Name | MARJORIE CROTTS I-32 |
| Doc ID | 1839615 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|----|----------------------------------|
| Surface | 9.875 | 7 | 15 | 43 | Thixo | 15 | See ticket |
| Production | 5.875 | 2.875 | 6.5 | 1087 | Thixo | 90 | See ticket |
| | | | | | | | |
| | | | | | | | |



Mound City, KS 620.224.7406

| | | | | , DI | VIL LI | 110, 11 | 10. | | | 620.224.7406 |
|-----------------------|--------|---------|--------|------------|--------|----------|---------|---------------------|-------------|--------------|
| | | \A/a | 11 4 | | 1 | | | Con | ·! | 020.224.7400 |
| Well # | | | | | | | | Cas | T | |
| Altavista Energy | | | | | | | Surface | l | Longstring | |
| Marjorie Crotts #I-32 | | :1-32 | | | Size: | 7 " | Size: | 2 7/8 " | | |
| | | | | | Tally: | 43.0 ' | Tally: | 1087.0 ' | | |
| API #: | 031-2 | 24697 | S-T-R: | 14-22S-16E | | | Cement: | HSI sx | Bit: | 5 7/8 " |
| County: | Coffey | Co., KS | Date: | 1/16/2025 | | | Bit: | 9 7/8 " | Date: | 1/22/2025 |
| Тор | Base | Form | ation | | | Тор | Base | Formation | | |
| 0 | 2 | soil | | | | 1013 | 1031 | sand | | |
| 2 | 18 | clay | | | | 1031 | | shale | | |
| 18 | 24 | gravel | | | | | | | | |
| 24 | 223 | shale | | | | | | | | |
| 223 | 249 | lime | | | | | | | | |
| 249 | 359 | shale | | | | | | | | |
| 359 | 374 | lime | | | | | | | | |
| 374 | 376 | shale | | | | | | | | |
| 376 | 378 | lime | | | | | | | | |
| 378 | 419 | shale | | | | | | | | |
| 419 | 445 | lime | | | | | | | | |
| 445 | 447 | shale | | | | | | | | |
| 447 | 499 | lime | | | | | | | | |
| 499 | 514 | shale | | | | | | | | |
| 514 | 593 | lime | | | | | | | | |
| 593 | 598 | shale | | | | | | | | |
| 598 | 649 | lime | | | | | | | | |
| 649 | 806 | shale | | big shale | | | | Float Equipment | | |
| 806 | 813 | lime | | | | Qty | Size | | | |
| 813 | 816 | shale | | | | 1 | 2 7/8 | Float Shoe | | |
| 816 | 818 | lime | | | | 1 | 2 7/8 | Aluminum Baffle | e se | t at 1056.35 |
| 818 | 826 | shale | | | | 3 | 2 7/8 | Centralizers | | |
| 826 | 835 | lime | | | | 1 | 2 7/8 | Casing clamp | | |
| 835 | 859 | shale | | | | | | | | |
| 859 | 861 | lime | | | | | | Sand / Core D | etail | |
| 861 | 891 | shale | | | | Core #1: | | Core #2 | : | |
| 891 | 897 | lime | | | | Core #3: | | Core #4 | : | |
| 897 | 918 | shale | | | | 1013 | 1019 | good odor, fair ble | ed, broke | en |
| 918 | 921 | lime | | | | | | | | |
| 921 | 961 | shale | | | | 1019 | 1028 | good odor, good b | leed, sligh | ntly broken |
| 961 | 968 | lime | | | | | | | | |
| 968 | 973 | shale | | | | 1028 | 1031 | good odor,grey sa | nd oil san | d chips |
| 973 | 978 | lime | | | | | | | | |
| 978 | 1008 | shale | | | | | | | | |

1092

1008

1009

1012

1009

1012

1013

lime

shale

lime

Total Depth:



| CEMENT | T TRE | ATMEN | T REP(| | | | | | | | | | |
|----------------|----------|-----------|---------|--|--------------------------|--------------|----------------------------|--------------------------|----------------------|--|--|--|--|
| Cust | tomer: | Altavista | a Energ | У | Well: | Ma | arjorie Crotts #I-33, # | I-32 Ticket: | EP16287 | | | | |
| | State: | | | <u>- </u> | County: | | CF, KS | Date: | 1/16/2025 | | | | |
| | | Bryan M | lillor | | S-T-R: | | 14-22-16 | Service: | LS & Surface | | | | |
| 1101 | и корі | Di yani w | | | 5-1-K. | | 14-22-10 | Service: L5 & Surface | | | | | |
| Dow | nhole I | nformatio | on | | Calculated S | lurry - Lea | d | Calculated Slurry - Tail | | | | | |
| Hole | e Size: | 5 5/8 | in | | Blend: | | | | | | | | |
| Hole | Depth | 1106 | ft | | Weight: | 13.7 | ppg | Weight: | ppg | | | | |
| | g Size: | | in | | Water / Sx: | 8.9 | gal / sx | Water / Sx: | gal / sx | | | | |
| Casing | | 1098 | - | | Yield: | 1.83 | ft ³ / sx | Yield: | ft ³ / sx | | | | |
| Tubing / | | | in | , | Annular Bbls / Ft.: | | bbs / ft. | Annular Bbls / Ft.: | bbs / ft. | | | | |
| Tool / P | Depth: | Baf | ft | | Depth: | | ft | Depth: | ft | | | | |
| | Depth: | 1069 | | | Annular Volume: | 0.0 | bbls | Annular Volume: | 0 bbls | | | | |
| Displace | | | bbls | , | Excess: Total Slurry: | | bbls | Excess: Total Slurry: | 0.0 bbls | | | | |
| | | | STAGE | TOTAL | Total Sacks: | | SX | Total Sacks: | 0.0 bbis | | | | |
| TIME | RATE | PSI | BBLs | BBLs | REMARKS | | | | | | | | |
| 9:00 AM | 1 | | - | | On location Held safety | meeing | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | - | | | | | | | | | |
| | | | | - | #I-33 | | | | | | | | |
| | 4.0 | | | - | Established circulation | | | | | | | | |
| | 4.0 | | | - | | | te gel followed by 4 BBL o | | | | | | |
| | 4.0 | | | - | Flushed pump and line | | cement with 1# PS, Ceme | nt to surrace | | | | | |
| | 4.0 | | | | Displaced 2 7/8" rubber | | .2 BBL of fresh water | | | | | | |
| | 1.0 | | | - | | | ut in, well held pressure | | | | | | |
| | | | | • | Released pressure to se | | - | | | | | | |
| | 4.0 | | | | Washed up equipment a | and moved | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | #I-32 Rig set surface p | oipe | | | | | | | |
| | | | | | Hooked to surface and e | | | | | | | | |
| | - | | | | Mixed and pumped 15sl | | | | | | | | |
| | + | | | | Displaced cement with | 1.5 BBL of w | ater, shut in casing | | | | | | |
| | | | | | Washed up equipment | | | | | | | | |
| 11:00 AM | , | | | | Left location | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | <u> </u> | | | | | | | | | | | | |
| | 1 | | | | | | | | | | | | |
| | - | | | | | | | | | | | | |
| | | CREW | | | UNIT | | | SUMMAR | · · · | | | | |
| Co | | | | | | | | | | | | | |
| Cer Pump Op | | | | | | | | Total Fluid - bbls | | | | | |
| | Bulk #1: | Drew | | | 248 | | 0.0 bpm | l bai | 1 2010 | | | | |
| | Bulk #2: | Doug | | | 303 | | | | | | | | |

ftv: 15-2021/01/25 mplv: 477-2024/11/12



| | ATMENT REP | 2000 | | | | | | | |
|-----------------------------|-----------------|---------|---|---|------------|--|--|--|--|
| Customer: | Altavista Energ | У | Well: | Marjorie Crotts | #I-32, #I- | 43 Ticket: | EP16303 | | |
| City, State: | | | County: | CF, KS Date: | | | 1/22/2025 | | |
| Field Rep: | Bryan Miller | | S-T-R: | 14-22-1 | 16 | Service: | LS & surface | | |
| Downhole | Information | | Calculated Slu | rry - Lead | | Cal | culated Slurry - Tail | | |
| Hole Size: | 5 5/8 in | | Blend: | | | | | | |
| Hole Depth | 1092 ft | | Weight: | 13.7 ppg | 1 | Weight: | ppg | | |
| Casing Size: | 2 78 in | | Water / Sx: | 8.9 gal / sx | | Water / Sx: | gal / sx | | |
| Casing Depth: | 1087 ft | | Yield: | 1.83 ft ³ / sx | | Yield: | ft ³ / sx | | |
| Γubing / Liner: | in | | Annular Bbls / Ft.: | bbs / ft. | | Annular Bbls / Ft.: | bbs / ft. | | |
| Depth: | ft | | Depth: | ft | | Depth: | ft | | |
| Tool / Packer: | Baffle | | Annular Volume: | 0.0 bbls | | Annular Volume: | 0 bbls | | |
| Tool Depth: | 1056 ft | | Excess: | | ı | Excess: | *************************************** | | |
| Displacement: | 6.1 bbls | | Total Slurry: | bbls | | Total Slurry: | 0.0 bbls | | |
| | | TOTAL | Total Sacks: | sx | | Total Sacks: | 0 sx | | |
| TIME RATE | PSI BBLs | BBLs | REMARKS | | | | | | |
| 12:00 PM | | - | On location Held safety me | eeing | | | | | |
| | | | | | | | | | |
| | | • | | O DECEMBER OF THE PARTY OF THE | | | water the second | | |
| | | - | #1-32 | | | | | | |
| 4.0 | | | Established circulation wit | | | | | | |
| 4.0 | | • | Mixed and pumped 200# or | | | | | | |
| 4.0 | | | Mixed and pumped 90 sks | | S, Cement | to surface | | | |
| 4.0 | | | Flushed pump and line cle | ACCOUNTS ARREST ARRESTS AND ARRESTS AND | | | | | |
| 4.0 | | • | Displaced 2 7/8" rubber plu | | | | | | |
| 1.0 | | • | Pressured up well to 800P3 | | essure | | | | |
| | | | Released pressure to set f | | | | | | |
| 4.0 | | | Washed up equipment and | moved | | | | | |
| | | | // 10 Bi | A.4. | | | | | |
| | | , | #I-43 Rig set surface pipe | | | | | | |
| | | | Hooked to surface and est | | | | | | |
| | | | Mixed and pumped 10sks | | | | | | |
| | | | Displaced cement with 1.5 Washed up equipment | DDL OF WATER, SHUT IN CASI | 119 | | | | |
| | | | **asiieu up equipilieiit | · · · · · · · · · · · · · · · · · · · | | | | | |
| 3:00 PM | | | Left location | | | | | | |
| 5.00 F M | | | Lett location | | | ###################################### | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | CREW | C. C.L. | UNIT | | | SUMMAR | | | |
| Cementer: | Garrett S. | | 957 | Average R | ate | Average Pressure | Total Fluid | | |
| Cementer: Pump Operator: | Nick B | | 209 | 3.6 bpr | | - psi | - bbls | | |
| Bulk #1: | Drew B | | 248 | 0.0 upi | ·L | - hai | ANIO | | |
| Bulk #2: | | | 303 | | | | | | |

ftv: 15-2021/01/25 mplv: 477-2024/11/12