KOLAR Document ID: 1466282

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.xxxxxx) | | | | |
| 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? 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: 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: 1466282

Page Two

| Operator Name: _ | | | | Lease Name: | | | Well #: | |
|---|---|---|------------------------------|----------------------|---------------------------------------|---------------------|-----------------|-------------------------------|
| Sec Twp. | S. R. | Ea | ast West | County: | | | | |
| 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 files must be subm | | | | | | iled to kcc-well-lo | gs@kcc.ks.gov | . 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 | ed Type and Percent Additives | | | |
| Protect Casi | | | | | | | | |
| Plug Off Zon | | | | | | | | |
| 2. Does the volume of | 1. Did you perform a hydraulic fracturing treatment on this well? 2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? 3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? Yes No (If No, skip questions 2 and 3) No (If No, skip question 3) No (If No, fill out Page Three of the ACO-1) | | | | | | | , |
| 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 Bridge Plug Bridge Plug Acid, Fracture, Shot, Cementing Squeeze Record Bottom Type Set At (Amount and Kind of Material Used) | | | Record | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| TUBING RECORD: | Size: | Set / | At: | Packer At: | | | | |
| . 5213 (1200) 10. | JIEG. | | | . 30.0.71 | | | | |

| Form | ACO1 - Well Completion |
|-----------|------------------------------|
| Operator | Petroleum Technologies, Inc. |
| Well Name | KNABE A 6 |
| Doc ID | 1466282 |

Casing

| Purpose Of String | Size Hole Drilled | Size Casing Set | Weight | Setting Depth | Type Of Cement | | Type and Percent Additives |
|----------------------|----------------------|-----------------------|--------|------------------|-------------------|---|----------------------------------|
| Surface | 9.875 | 7.0 | 17 | 22 | Common | 5 | None |
| Production | 5.625 | 2.875 | 6.5 | 937 | 50/50 Pozmix | | 2%gel, 1/4# Floseal |
| | | | | | | | |
| | | | | | | | |



40909

INV 901054

LOCATION DATAWA KER

PO Box 884, Chanute, KS 66720 620-431-9210 or 800-467-8676

FIELD TICKET & TREATMENT REPORT

| 020 101 0210 01 000 107 0010 | | CEMEN | 1 | | | |
|------------------------------|------------------------|--------------|----------|-----------------|--------------|--|
| DATE CUSTOMER# | WELL NAME & NUM | BER | SECTION | TOWNSHIP | RANGE | COUNTY |
| 07-62-196370 | Knabe A | #6 | -SE 30 | 14 | 22 | 50 |
| CUSTOMER OTT | Tuc | | 1412.00 | the second | the lightery | - C. |
| MAILING ADDRESS | - 4×C | - | TRUCK# | DRIVER | TRUCK # | DRIVER |
| | 1744 - 112 | | 669 | Jim are | | |
| 801 West 4 | | 4 1 | 495 | Har Bel | | |
| CITY | STATE ZIP CODE | . | 675 | Cas 11ch | | |
| Kansas (MY) | 1110. 64112 | <u> </u> | 225 | Ala Man | | |
| JOB TYPE LONGS + 1849 | HOLE SIZE_ 53/8 | HOLE DEPTH | 957 | CASING SIZE & W | EIGHT | |
| CASING DEPTH 937 | DRILL PIPE But the 903 | TUBING | | | OTHER | |
| SLURRY WEIGHT | SLURRY VOL | WATER gal/sl | <u> </u> | CEMENT LEFT in | CASING | |
| DISPLACEMENT | DISPLACEMENT PSI | MIX PSI | | RATE | | |
| REMARKS: Held Safe | +x Melting | Ectal | alish Ci | eculuti | an Mix | rand |
| Pump 106 - Gel | to flush. Pho | Bunp | 5 BBLS | Clean 1 | Daren | mix |
| and DUMA 11. | 75k Poz. Blen | STA W | ork 2% | (al = 1/4) | *F10 | Eal |
| Croulated cem | CAT TO SUNS | POLET F | lush Pl | ima class | r of ce | meht. |
| 0 014 | | 60 to 10 | (Sopel | / // | e Prop | |
| UDTE 801" 1 | SI well he | | , , | flour. | 7 | |
| V | | | | | | |
| | | | | | | *************************************** |
| | | | | | | |
| | | | | | | |
| ACCOUNT | | | | | | |

| ACCOUNT | QUANITY or UNITS | DESCRIPTION of SERVICES or PRODUCT | UNIT PRICE | TOTAL |
|--------------|------------------|------------------------------------|------------|--------|
| CEO450 | / | PUMP CHARGE | 1500= | |
| CE0002 | 30 | MILEAGE PUMPTK | 214,50 | |
| VCF0711 | mih | Ton Maleage | 6000 | |
| WEDS53 | 2,5 HRS | Vac TK | 2500 | |
| | 7.7 | | 262N 50 | |
| | | 5 4 9 90 70 1 Less -40% | -104980 | 157420 |
| | | | | 14 |
| | | | | |
| | | | | |
| MC15840 | 117 SK | Poz-Blend TA | 157950 | |
| 101 4965 | 2974 | (he) | 89.10 | |
| VC6675 | 29 14 | 1716- Seal | 58 00 | |
| CP8/76 | Ohc | 21/2" RyBher Plug | 43 4 | |
| | | Sun Tota | 1 1771.60 | |
| | | Less-40% | | 10627 |
| | | | | |
| | | | F | 12210 |
| | \sim | | P2 | WOT.V |
| 2 | | 1.9, | SSALES TAX | 84- |
| Ravin 3737 | ///// | 5 | TOTAL | 27224 |
| AUTHORIZTION | | TITLE 07-02-19 | | 45373 |

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records at our office, and conditions of service on the back of this form are in effect for services identified on this form.



Paola, KS 66071

Allen's Holdings & Investments Oil & Gas Well Drilling **Water Wells Geo-Loop Installation**

> Phone: 913-557-9083 Fax: 913-557-9084

WELL LOG

Petroleum Technologies, Inc. Knabe A - #6 API #15-091-24503-00-00 June 28, 2019-July 2, 2019

| Thickness of Strata | <u>Formation</u> | <u>Total</u> |
|---------------------|------------------|-------------------------|
| 11 | soil & clay | 11 |
| 37 | shale | 48 |
| 5 | lime | 53 |
| 2 | shale | 55 |
| 15 | lime | 70 |
| 7 | shale | 77 |
| 8 | lime | 85 |
| 9 | shale | 94 |
| 17 | lime | 111 |
| 2 | shale | 113 |
| 3 | lime | 116 |
| 16 | shale | 132 |
| 2 | lime | 134 |
| 6 | shale | 140 |
| 24 | lime | 164 |
| 12 | shale | 176 |
| 15 | lime | 191 |
| 6 | shale | 197 |
| 28 | lime | 225 |
| 15 | shale | 240 |
| 8 | lime | 248 |
| 23 | shale | 271 |
| 4 | lime | 275 |
| 5 | shale | 280 |
| 9 | lime | 289 |
| 30 | shale | 319 |
| 2 | lime | 321 |
| 10 | shale | 331 |
| 9 | lime | 340 |
| 3 | shale | 343 |
| 17 | lime | 360 |
| 7 | shale | 367 |
| 20 | lime | 387 |
| 5 | shale | 392 |
| 15 | lime | 407 Base of Kansas City |

| 32 | shale | 439 |
|-----|-------------|-----------------------------------|
| 6 | sand | 445 Green, no show |
| 133 | shale | 578 |
| 5 | lime | 583 |
| 3 | shale | 586 |
| 4 | lime | 590 |
| 7 | shale | 597 |
| 5 | lime | 602 |
| 5 | broken sand | 607 Brown sand & shale |
| 11 | shale | 618 |
| 3 | lime | 621 |
| 1 | shale | 622 |
| 1 | coal | 623 |
| 4 | shale | 627 |
| 10 | lime | 637 |
| 29 | shale 87 | 666 Redbud |
| 2 | lime | 668 |
| 70 | shale | 738 |
| 5 | broken sand | 743 Brown sand & shale |
| 4 | silty shale | 747 |
| 15 | shale | 762 |
| 1 | coal | 763 |
| 3 | shale | 766 |
| 3 | lime | 769 |
| 29 | shale | 798 |
| 3 | oil sand | 801 Grey & brown, ok bleed, gassy |
| 3 | silty shale | 804 |
| 53 | shale | 857 |
| 4 | limy sand | 861 |
| 1 | oil sand | 862 |
| 1 | oil sand | 863 |
| 5 | oil sand | 868 |
| 1 | broken sand | 869 |
| 3 | silty shale | 872 |
| 8 | shale | 880 |
| 1 | coal | 881 |
| 86 | shale | 967 TD |

Drilled a 9 7/8" hole to 21.7' Drilled a 5 5/8" hole to 967'

Set 21.7' of new 7" casing threaded and coupled, cemented with 5 sacks cement.

Set 937' of new 2 7/8" 8 round upset tubing with a baffle set at 903' ran 3 centralizers, 1 float shoe, 1 clamp

Dug 1 pit