

Confidentiality Requested:

Yes No

KANSAS CORPORATION COMMISSION OIL & GAS CONSERVATION DIVISION

1095511

Form ACO-1
August 2013
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. 15 | | | | |
|----------------------------------|--------------------|--------------------|--|---------------------|----------------|--|--|
| Name: | | | Spot Description: | | | | |
| Address 1: | | | SecTwpS. R East West | | | | |
| Address 2: | | | Feet from North / South Line of Section | | | | |
| City: | State: Z | ip:+ | 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 #: | | | | |
| | e-Entry | Workover | Field Name: | | | | |
| | _ | | Producing Formation: | | | | |
| ☐ Oil ☐ WSW ☐ D&A | ☐ SWD | ∐ SIOW ∏ SIGW | Elevation: Ground: Kelly Bushing: | | | | |
| | GSW | Temp. Abd. | Total Vertical Depth: | Plug Back Total De | epth: | | |
| CM (Coal Bed Methane) | dow | Temp. Abd. | Amount of Surface Pipe Se | et and Cemented at: | Feet | | |
| ☐ Cathodic ☐ Other (Co | ore, Expl., etc.): | | Multiple Stage Cementing (| Collar Used? Yes | No | | |
| If Workover/Re-entry: Old Well I | | | 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: | | | | | | | |
| Deepening Re-perf | • | ENHR Conv. to SWD | Drilling Fluid Managemen | nt Dian | | | |
| ☐ Plug Back | Conv. to G | | (Data must be collected from the | | | | |
| Commingled | Pormit #: | | Chloride content: | ppm Fluid volume: | bbls | | |
| Dual Completion | | | Dewatering method used:_ | | | | |
| | SWD Permit #: | | Location of fluid disposal if hauled offsite: | | | | |
| ☐ ENHR | Permit #: | | · | | | | |
| GSW Permit #: | | Operator Name: | | | | | |
| _ _ | | | Lease Name: | License #: | | | |
| Spud Date or Date R | eached 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 | | | | | | |
| Geologist Report Received | | | | | | |
| UIC Distribution | | | | | | |
| ALT I II Approved by: Date: | | | | | | |

Page Two



| Operator Name: | | | | _ Lease I | Name: _ | | | Well #: | |
|--|---|--------------|--------------------------------------|--------------------------|---|-------------------------------------|--------------------|--------------------|------------------------------|
| Sec Twp | S. R | East | West | County | : | | | | |
| INSTRUCTIONS: Shopen and closed, flow and flow rates if gas to | ring and shut-in press o surface test, along v | ures, whe | ther shut-in pre chart(s). Attach | ssure reac extra shee | hed stati | c level, hydrosta space is neede | tic pressures, b | ottom hole temp | erature, fluid recov |
| Final Radioactivity Lo files must be submitted | | | | | | ogs must be ema | liled to kcc-well- | logs@kcc.ks.go | v. Digital electronic |
| Drill Stem Tests Taken Yes No (Attach Additional Sheets) | | | | | | J | on (Top), Depth | | Sample |
| Samples Sent to Geological Survey | | | | | Nam | е | | Тор | Datum |
| Cores Taken ☐ Yes ☐ No Electric Log Run ☐ Yes ☐ No | | | = | | | | | | |
| List All E. Logs Run: | | | | | | | | | |
| | | | | RECORD | Ne | | | | |
| | 0: 11.1 | | | | | ermediate, product | | " 0 1 | T 15 |
| Purpose of String | Size Hole Drilled | | ze Casing t (In O.D.) | Weig Lbs. | | Setting Depth | Type of Cement | # Sacks Used | Type and Percer Additives |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | ADDITIONAL | CEMENTI | NG / SQL | JEEZE RECORD | | | |
| Purpose: | Depth Type of Cement # Sacks Used | | | | Type and Percent Additives | | | | |
| Perforate Protect Casing | Top Dottom | | | | | | | | |
| Plug Back TD Plug Off Zone | | | | | | | | | |
| 1 lug 0 li 20 lio | | | | | | | | | |
| Did you perform a hydrau | ulic fracturing treatment | on this well | ? | | | Yes | No (If No, s | skip questions 2 a | nd 3) |
| Does the volume of the t | | | - | | - | | _ ` ` | skip question 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) | | | | | | | of the ACO-1) | | |
| Shots Per Foot PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated | | | | | Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth | | | | |
| | | | | | | (* * | | | 200 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| TUBING RECORD: | Size: | Set At: | | Packer A | t· | Liner Run: | | | |
| Yes No | | | | | | | | | |
| Date of First, Resumed | Production, SWD or EN | HR. | Producing Meth | nod: | g 🗌 | Gas Lift (| Other (Explain) | | |
| Estimated Production Per 24 Hours | Oil | Bbls. | Gas | Mcf | Wat | er B | bls. | Gas-Oil Ratio | Gravity |
| DIODOCITI | 01.05.040 | | | 4ETUOD 05 | . 00145/ | TION: | | DDOD! ICT! | |
| DISPOSITION Solo | ON OF GAS: Used on Lease | | N Open Hole | ∥ETHOD OF Perf. | | | nmingled | PRODUCTION | ON INTERVAL: |
| | bmit ACO-18.) | | Other (Specify) | | (Submit | | mit ACO-4) | | |

Conservation Division Finney State Office Building 130 S. Market, Rm. 2078 Wichita, KS 67202-3802



Phone: 316-337-6200 Fax: 316-337-6211 http://kcc.ks.gov/

Sam Brownback, Governor

Mark Sievers, Chairman Thomas E. Wright, Commissioner Shari Feist Albrecht, Commissioner

October 02, 2012

Chris Martin Tailwater, Inc. 6421 AVONDALE DR STE 212 OKLAHOMA CITY, OK 73116-6428

Re: ACO1 API 15-003-25498-00-00 WITTMAN 4-IW SW/4 Sec.15-20S-20E Anderson County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully, Chris Martin



CONSOLIDATED OII WON Services, LLC

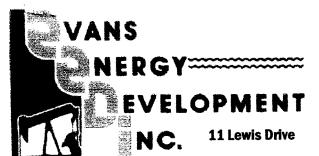
ticket number 34944 LOCATION Offawa, KS FOREMAN Case, Kennedy

253213

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

FIELD TICKET & TREATMENT REPORT

| 7806 er Inc | Whitma | m #4-1 | W | SW 15 | TOWNSHIP | RANGE | COUNT | |
|---|---|---|--|--|--|--|--|--|
| er Inc | | | | | 1 ~ 4 | | | |
| | | | | 1900 13 | _ه2 ا | 20 | _ AV | |
| | | | _ | TRUCK# | DRIVER | TRUCK # | DRIVE | |
| 6421 Avandale Dr, Svite 212 | | | 1 | 481 | Casken | CE | DIGIVE | |
| CITY STATE ZIP CODE | | 4 | lelele | GarMoo | GM | | | |
| City | | | | 370 | Mik Haa | MH | — | |
| | | 73116 | | 510 | SetTuc | ST | | |
| 112-1 | | | , ,, | H_ 733 ' | CASING SIZE & | WEIGHT_2 | 18" EUE | |
| | | | | | | OTHER | | |
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| | reering | establishe | d circu | ation, mix | ed + pum | ped 100 # | Premio | |
| | | | | | | | | |
| DI 2 18 92 | r per se | , cerneur | to Jun | ace, Hushe's | L pump c | | | |
| P OCCESSION | 7 30 a | W/ 4.5 | bbis thes | h water, p | ressured. | 4000 F | 31,000 | |
| A pleasure 1 | 161 30 h | un MII | , release | ed pressure | what in | cosing. | | |
| | | | | <u> </u> | A | 1 | | |
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| | *************************************** | | | | 1-34 | 7 | | |
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| Ollahuma | | | | | | ` | | |
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| | | | | | 4.8% | SALES TAX | 105.20 | |
| 11 (D. | 1 .A | | | | | ESTIMATED | 2793.98 | |
| uthoriztion No Co kep on location title | | | | | | DATE | | |
| | QUANITY or QUANITY or PARTY A CORE A CORE | SLURRY VOL 4.258 DISPLACEMEN Id safety meeting Led by 10 bb/s from 2% get per st gressure for 30 m QUANITY or UNITS On lease 723' 1/2 minimum 1,5 hrs 1/5 sts 293 # | SLURRY VOL 4.256/s DISPLACEMENT PSI Id safety meeting established by 10 bb/s fresh water well and the pressure for 30 min Mill pressure for 30 min Mill pressure for 30 min Milleage 723! Ya minimum ton mi 1.5 hrs 80 Ua 115 sts 50/50 Pos 293 # Prewism 1 2/2" real the payment terms unless encilled by 10 minimum 10 m | SLURRY VOL WATER galler 4,2565 DISPLACEMENT PSI MIX PSI Id safety meeting established circulated by 10 bbls fresh water, nixed by 2% get per st., cellent to sure to casing TD w/ 4,2665 fresh pressure for 30 min MIT, release on 100 min MIT, release on 100 min mileage 4231 Casing frotage 7231 Casing frotage 7231 Sts Solso Posmix centres of 30 min mileage 1,5 hrs Solso Posmix centres of 30 min mileage 1/5 sts Solso Posmix centres of 30 min mileage 1/5 the solson fittle | SURLE PIPE TUBING TO SURLE PIPE SLURY VOL WATER gallsk MIX PSI LA 256/5 DISPLACEMENT PSI MIXED A CITCUISTION, MIXED AS A CONTROL POLY LA 27/5 get per St., cervent to Surface Huster LA 27/5 get per St., cervent to Surface Huster LA 27/5 get per St., cervent to Surface Huster LA 27/5 get per St., cervent to Surface Huster LA 27/5 get per St., cervent to Surface Pressure LA 16/5 Resh water, pressure LA 16/5 Resh wa | SLURING SLURING SLURING SLURING SLURING SLURING SLURING SLURING SUBSPLACEMENT PSI MIXPSI RATE 4.5 I Id Safety meeting established circulation mixed + pun ed by 10 bbls fresh water, mixed + punped 15 w/ 276 get per st. cement to surface, flushed punp c ase to castra TD w/ 4. I bbls tresh water pressured in pressure for 30 min MIT, released pressure, but in QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT PUMP CHARGE MILEAGE 7.33 castra footage // minimum to mileage 1.5 hrs 80 Vac 115 sts 50/50 Posmix cement AT3 # Premium Gel J 2/2" rubber plug TILE at the payment terms unless associated the | SURRY VOL WATER gallsk CEMENT LEFT in CASING 4,25615 DISPLACEMENT PSI MIX PSI RATE 4,5 bpm Id safety meeting established circulation mixed to surged too the sed by 10 bbls tresh water mixed to surged too the sed by 10 bbls tresh water mixed to surged too the sed by 10 bbls tresh water mixed to surged to sed of sed per st., cement to surface thished pump clear possible to soo it pressure to 130 min MIT, released pressure, that in casing. QUANITY or UNITS DESCRIPTION of SERVICES or PRODUCT UNIT PRICE PUMP CHARGE PA Case MILEAGE 723' Casing frotage 1,5 hrs. BO Uac 115 sts. Selso Posmix coment AT3 # Premium Gel 1 3/2" Tubber plug 7.876 SALESTAX FETHAMER | |



Oil & Gas Well Drilling **Water Wells Geo-Loop Installation**

Phone: 913-557-9083

Fax: 913-557-9084

WELL LOG

Paola, KS 66071

Tailwater, Inc. Wittman 4-IW (sec 15) API#15-003-25,498

September 20 - September 21, 2012

| Thickness of Strata | <u>Formation</u> | <u>Total</u> |
|---------------------|------------------|---|
| 8 | soil & clay | 8 |
| 82 | shale | 90 |
| 28 | lime | 118 |
| 62 | shale | 180 |
| 10 | lime | 190 |
| 5 | shale | 195 |
| 35 | lime | 230 |
| 7 | shale | 237 |
| 24 | lime | 261 |
| 3 | shale | 264 |
| 19 | lime | 283 base of the Kansas City |
| 170 | shale | 453 |
| 3 | lime | 456 |
| 4 | shale | 460 |
| 8 | lime | 468 oil show |
| 19 | shale | 487 |
| 1 | coal | 488 |
| 14 | shale | 502 |
| 9 | oil sand | 511 green, ok bleeding |
| 3 | shale | 514 |
| 1 | coal | 515 |
| 6 | shale | 521 |
| 8 | lime | 529 |
| 11 | shale | 540 |
| 7 | lime | 547 |
| 17 | shale | 564 |
| 10 | lime | 574 |
| 19 | shale | 593 |
| 4 | lime | 597 |
| 58 | shale | 655 |
| 1 | lime & shells | 656 |
| 9 | oil sand | 665 brown, good bleeding |
| 3 | broken sand | 668 brown & grey, ok bleeding |
| 39 | shale | 707 |
| 26 | broken sand | 733 brown & grey, no oil, gassey 733 TD |

Wittman #4-IW (S-15)

Drilled a 9 7/8" hole to 21.1' Drilled a 5 5/8" hole to 733'

Set 21.1' of 7" surface casing cemented with 6 sacks of cement.

Set 723.2' of 2 7/8" threaded and coupled 8 round upset tubing with 3 centralizers, 1 float shoe and 1 clamp.