simme is

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | | | | | | ., | (See Inst | ruct | ions on Re | verse Sid | θ) | | | | • | | | |
|---|-----------------------------|--|--|----------------|---|--|---|------------------------------|---|--|--------------|---|---------------|--------------------------------|--------------------------------|--|---|--|
| Op | ow | | | | Test Dat | | | | | | I No. 15 | - n c | 100 | | | | | |
| Company | , | | | | | 9/09/20 | 113 | | Lease | | 03 | 3-20963 | -00 | UU | | Well N | umber | |
| Chesar | perating, | | | Section | | | Pyle TWP BNG (E | | | 4-13 | | | | 3 | | | | |
| Comache SW/4 | | | | | 13 | 13 | | | TWP RNG (E/W) 31S 18W | | | | | | Acres | Attributed | | |
| Field Wilmore | | | | | | Reservoi Missis | sippi | ····- | Gas Gathering C OneOk Energy | | | | | | · | | | |
| 9/21/98 | | te | | | | Plug Bac 5645 | ck Total D | epti | h | | Packer | Set at | | | | | | |
| Casing Size Weight 5.5 15.5 | | | | Internal 4.950 | Internal Diameter 4.950 | | | Set at 4976 | | Perforations 4966 | | | то 4992 | | | | | |
| Tubing Size Weight 2.375 4.7 | | | | | Internal Diameter 1.995 | | | Set at 4958 | | Perforations | | | То | | | | | |
| Type Con Gas | npletio | n (D | | | <u></u> | | id Produc | tion | _ | | Pump U No | nit or Trave | ling Pl | unger? | Yes | / No | | |
| Producing Thru (Annulus / Tubing) Tubing | | | | | | % (| Carbon Di | oxic | e % Nitrogen | | | gen | Gas G .607 | | | Gravity - G _g | | |
| Vertical Depth(H) 5720 | | | | | | | P | ress | sure Taps | re Taps | | | | | | | Run) (Prover) Size | |
| Pressure Buildup: Shut in 9/8 | | | 0_13 at_7 | 13 at 7 (# | | | (AM) (PM) Taken 9/9 | | | 20 1; | | | | (AM) (PM) | | | | |
| | | | | | | | AM) (PM) Taken | | | | | | | | | | | |
| | | | | *** | | | OBSER | VE | SURFACE | E DATA | | <u> </u> | Du | ration | of Shut-i | 24 | Hours | |
| Static / Dynamic Property | Orifice Size (inches) | | Circle one: Meter Prover Pressure psig (Pm) | | Pressure Differential in Inches H ₂ 0 | Flowing Temperature I | Well Hea Temperate t | wellhead P | | Pressure | Wellhe | Tubing ead Pressure or (P ₁) or (P _c) | | Duration (Hours) | | Liquid Produced (Barrels) | | |
| Shut-In | | | | | | | | | psig 35 | psia 49.4 | psig 0 | 14.4 | 2 | 4 | | - | | |
| Flow | | | | | | | _ | | | | | | | | | | | |
| | | | | | | | FLOW S | TRE | AM ATTRI | BUTES | | | | | | L | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | | | Press Extension ✓ P _m xh | Grav Fact F _g | * 1 | Flowing Temperature Factor F | | Deviation Factor F _{pv} | | Metered Flow R (Mcfd) | | GOR (Cubic Feet/ Barrel) | | et/ | Flowing Fluid Gravity G _m | |
| | | | · - | <u> </u> | <u> </u> | (OPEN FLO | OW) (DEL | .IVE | RABILITY) | CALCUL | ATIONS | | " | | /D 12 | | | |
| (P _c) ² = | | _: | (P _w) ² = | | se formula 1 or 2: | P _d = . | | _% | (P | _c - 14,4) + | 14.4 = | : | | | (P _a) ² | = 0.2 | | |
| $(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$ | | (P _c)² - (P _w)² | | 1 | 1. P _c ² ·P _s ² 2. P _c ² -P _s ² ed by: P _c ² -P _s ² | LOG of formula 1. or 2. and divide by: | ormula . or 2. d divide p 2 _ p 2 | | Backpressure Curve Slope = "n" or Assigned Standard Slope | | nxt | n x LOG | | Antilog | | Open Flow Deliverability Equals R x Antilog (Mcfd) | | |
| <u> </u> | | | | | | <u> </u> | | | | | | | | | | | | |
| Open Flow | | | | - | Mcfd @ 14.6 | S5 peia | _ | 1 | Deliverabi | II. | | <u>_</u> _ | | | | | | |
| | | ned | authority o | | ehalf of the | | tates that | ho | - | | | | | | .65 psia | | | |
| | | | | | eport is true | | | | | | make the | | port ar | nd that | | , 2 | edge of 20 13 RECEIVED CORPORATION | |
| | | | Witness (i | f any) |) | | | | _ | | | F | or Compa | ny | | | OCT 2 3 | |
| | | | For Comm | nission | 1 | | | | _ | | | с | hecked b | y | | | | |
| | | | | | | | | | | | | | | | | CO | NSERVATION (WICHITA, K | |

| I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, Inc |
|---|
| and that the foregoing pressure information and statements contained on this application form are true and |
| correct to the best of my knowledge and belief based upon available production summaries and lease records |
| of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. ! hereby request a one-year exemption from open flow testing for the Pyle 4-13 |
| gas well on the grounds that said well: |
| (Check one) |
| is a coalbed methane producer |
| is cycled on plunger lift due to water |
| is a source of natural gas for injection into an oil reservoir undergoing ER |
| is on vacuum at the present time; KCC approval Docket No. |
| is not capable of producing at a daily rate in excess of 250 mcf/D |
| I further agree to supply to the best of my ability any and all supporting documents deemed by Commissio staff as necessary to corroborate this claim for exemption from testing. |
| Date: 10/18/2013 |
| |
| Signature: Dawn Zicharchon |
| Title: Dawn Richardson, Associate Regulatory Analyst |
| |

Instructions:

If a gas well meets one of the eligibility criteria set out in KCC regulation K.A.R. 82-3-304, the operator may complete the statement provided above in order to claim exempt status for the gas well.

At some point during the current calendar year, wellhead shut-in pressure shall have been measured after a minimum of 24 hours shut-in/buildup time and shall be reported on the front side of this form under **OBSERVED SURFACE DATA**. Shut-in pressure shall thereafter be reported yearly in the same manner for so long as the gas well continues to meet the eligibility criterion or until the claim of eligibility for exemption **IS** denied.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office Byenter than December 31 of the year for which it's intended to acquire exempt status for the subject well. On the front side as though it was a verified report of annual test results.