KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | | (| See Instru | ctions on R | everse Si | đe) | | | | | |
|---|----------------------|-------|--|---|---|---|---|--|--|---------------------------------|---------------------|---------------------------|---|--|
| = : | en Flov liverabi | | | | Test Date 8/19/20 | | | | | No. 15 033-20963 - | -0000 | | | |
| Company Chesape | / eake C | per | ating, L.L.C |). | | | Lease Pyle | | _ | | 4- | | Number | |
| County Comache | | | Location 480 FSL & 330 FWL | | Section 13 | | TWP 31S | | RNG (E/W) 18W | | Acres Attributed | | Attributed | |
| Field Wilmore | | | Reservoir Mississ | | | 1 | | Gas Gathering Connection OneOk Energy Service | | | | | | |
| Completion 9/21/98 | | e | - | | Plug Bæ 5645 | k Total De | pth | : | Packer S | et at | | | | |
| Casing Size 5.5 | | | Weight 15.5 | | Internal Diameter 4.950 | | Set at 4976 | | Perforations 4966 | | то 4992 | | | |
| Tubing Size 2.375 | | | Weight 4.7 | | Internal Diameter 1.995 | | Set at 4958 | | Perforations | | То | То | | |
| Type Completion (Describe) Gas | | | | Type Fluid Production Water | | | | Pump Unit or Traveling Plunger? Yes / No No | | | | | | |
| Producing Thru (Annulus / Tubing) Tubing | | | | % Carbon Dioxide | | | % Nitrogen | | | Gas Gravity - G _g | | | | |
| Vertical Depth(H) 5720 | | | | Pressure Taps | | | | | | (Meter Run) (Prover) Size 2.067 | | | | |
| Pressure Buildup: | | o: 3 | Shut in8/1 | 2 | 20 <u>15</u> at E | | _ (AM) (PM |) Taken_ | 8/19 | <i>L</i> 19 20 | | 0 | _ (AM) (PM) | |
| Well on L | .ine: | | Started | 2 | 0 at | | _ (AM) (PM |) Taken_ | | 20 | at | | _ (AM) (PM) | |
| | | | | | | OBSERV | ED SURFA | CE DATA | | | Duration of S | hut-in_2 | 4 Hours | |
| Static / Orifice Dynamic Size Property (inches) | | e . | Çircle one: Meter Prover Pressu psig (Pm) | Pressure Differential in Inches H ₂ 0 | Flowing Well H Temperatuse Temper | | Wellhead Pressure (P_w) or (P_t) or (P_c) | | Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) | | Duration (Hours) | Lic | quid Produced (Barrels) | |
| Shut-In | | | | | _ | | 25 | 39.4 | pstg 5 | 19.4 | 24 | | | |
| Flow | | | | | | | | | | | | | | |
| · · · · · · · · · · · · · · · · · · · | · · · - ₁ | | | Г | | FLOW ST | REAM ATT | RIBUTES | | | | | | |
| Plate Coeffictient (F _b) (F _p) Mcfd | | | Circle one: Meter or ver Pressure psia | Press Extension ✓ P _m xh | Gravity Fector , F _g | | Flowing Temperature Factor F _{it} | | reviation Metered Flow Factor R F _{pv} (Mcfd) | | (Cubì | iOR ic Feet/ urrel) | Flowing Fluid Gravity G _m | |
| | | | | | (OPEN FL | OW) (DELI | VERABILIT | Y) CALCI | JLATIONS | • | • . | $(P_a)^2 = 0$ | 1 207 | |
| (P _c) ² = | <u> </u> | _: | (P _w) ² = | Choose formula 1 or 2 | P _d = | | | (P _c - 14.4) | | : | | $(P_d)^2 = $ | | |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P | 。)²- (P _w)² | 1. P _c ² - P _e ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ² | LOG of formula 1. or 25 and divices | P _c ² - P _w ² | Backpressure Cur Slope = "n" or Assigned Standard Slope | | n x 10G | | Antilog | [| Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | | | - | | | | <u>. </u> | |
| Open Flo | w | |]_ | Mcfd @ 14. | 65 psia | | Delivera | ability | | | Mcfd @ 14.65 | 5 psia | | |
| The | undersi | gnec | l authority, or | n behalf of the | Company, s | tates that | he is duly a | authorized | to make th | e above repo | ort and that he | e has kno | owledge of | |
| the facts s | stated th | nerei | n, and that sa | aid report is true | | Rece | ed this the _ DIVED ATION COMMIS | | _day of _N | ovember | | | , ₂₀ <u>15</u> . | |
| | | | Witness (i | f any) | | | 2 2015 | | | Fore | Company | | | |
| | | | For Comm | lission | C | ONSERVAT | ION DIVISION ITA, KS | | | Che | cked by | | | |

| | eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Chesapeake Operating, L.L.C. |
|--------|--|
| | at the foregoing pressure information and statements contained on this application form are true and |
| | t to the best of my knowledge and belief based upon available production summaries and lease records |
| | pment installation and/or upon type of completion or upon use being made of the gas well herein named. |
| | ereby request a one-year exemption from open flow testing for the Pyle 4-13 |
| | ell on the grounds that said well: |
| 5 | |
| | (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 |
| l fı | urther agree to supply to the best of my ability any and all supporting documents deemed by Commissic |
| | s necessary to corroborate this claim for exemption from testing. |
| olan a | The desired to destroy and the desired that the exemption from testing. |
| | 44140/0045 |
| Date:_ | <u>11/19/2015</u> |
| | |
| | |
| | |
| | Signature: Sara Eventy |
| | Title: Sara Everett, 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 no later than December 31 of the year for which it's intended to acquire exempt status for the subject well. The form must be signed and dated on the front side as though it was a verified report of annual test results.

You page 1