Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Test | t: | | | | (| See Instruc | ctions on Re | verse Side | ;) | | | | |
|--|-----------------------------|---|--------------------------------------|---|---|--|---|--|--|-----------------------------|-------------------------------|---|---|
| Open Flow | | | | T1 D-1 | Took Date: | | | | NI - 45 | | | | |
| Deliverabilty | | | Test Date 7/9/2019 | | | API No. 15 15-025-21191 -0000 | | | | | | | |
| Company Chesapeake Operating, L.L.C. | | | | | Lease Theis | | | Well Number 4-18 | | | | ber | |
| County Clark | | - | Location 1240 FNL & 660 FWL | | Section 18 | | | TWP 35S | | N) | Acres Attributed | | ributed |
| Field McKinney | | | | Reservoir Chester/Morrow | | | Gas Gathering Connection DCP Midstream Marketing, LP | | | | | | |
| Completion Date 11/10/99 | | | | Plug Back Total Depth 6298 | | | | Packer S | et at | | | - | |
| Casing Size 4.5 | | | Weigi 11.6 | nt | Internal Diameter 4.0 | | Set at 6350 | | Perforations 6027 | | то 6225 | | |
| Tubing Size 2.375 | | | Weight 4.7 | | Internal Diameter 1.995 | | Set at 6030 | | Perforations | | То | | _ |
| Type Completion (| | | escribe) | ± 0:1) | Type Fluid Production Oil/Water | | 1 | | Pump Unit or Traveling P None | | Plunger? Yes / No | | |
| Producing The A | | | rulus / Tubin | g) | % C | arbon Diox | tide | e % Nitro | | en . | Gas G | Gas Gravity - G | |
| Vertical D | |) | | | | Pres | ssure Taps | | | | (Meter | Run) (Pro | ver) Size |
| Pressure | Buildup |); ; | | 2 | 15 at 8 | :00 | (AM) (PM) | Taken_7/ | 9 | 20 | 15 at 8:00 | (A | M) (PM) |
| Well on Line: | | ; | Started 20 | | 0 at | at | | (AM) (PM) Taken | | 20 | at | | M) (PM) |
| | | | • | | | OBSERVI | ED SURFAC | E DATA | | | Duration of Shut | in 24 | Hours |
| Static / Dynamic Property | Dynamic Size | | Circle one: Meter Prover Press | 1 | Flowing Temperature t | Well Head | Head Casing Wellhead Pressu | | Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) | | | | Produced urrels) |
| Shut-In | | | psig (Pm) | Inches H ₂ 0 | | | 174 | psia 188.4 | psig 172 | 186.4 | 24 | | |
| Flow | | | , | | | | | | | | | | |
| | | | | | J | FLOW ST | REAM ATTR | IBUTES | 1 | | <u></u> | | |
| Plate Coefficient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | | Press Extension ✓ P _m x h | Grav Fac F | tor | Flowing Temperature Factor F _{it} | Deviation Factor F _{pv} | | Metered Flor R (Mcfd) | w GOR (Cubic Fe Barrel) | | Flowing Fluid Gravity G _m |
| | | | | | | | | | | | | | |
| (P _c) ² = | | _: | (P _w) ² = | :: | (OPEN FL | | VERABILITY .% (I | ') CALCUL P _c - 14.4) + | | : | |) ² = 0.20 | 7 |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | | Choose formula 1 or 2 1. P _c ² - P _n ² 2. P _c ² - P _d ² divided by: P _c ² - P _n | LOG of formula 1. or 2. and divide | P _c ² -P _w ² | Backpressure Curve Slope = "n" or Assigned Standard Slope | | n x LOG | | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | | | | | | | |
| Open Flo | Open Flow Mcfd @ 14.65 psia | | | | Deliverat | oility | Mcfd @ 14.65 psia | | | | | | |
| The | undersi | gned | d authority, o | n behalf of the | Company, | states that I | he is duly a | uthorized t | o make th | e above repo | ort and that he ha | as knowle | dge of |
| the facts s | stated th | erei | in, and that s | aid report is tru | e and correc | t. Execute | d this the 1 Received SCORPORATIO | 6 ed N COMMissio | day of No | ovember | | , 20 | <u>15</u> . |
| | | | Witness | (if any) | | | DEC 02 | | L19 | For | Сотрапу | | |
| | | | For Com: | nission | | | NSERVATION | | | Cho | cked by | | |
| | | | roi com | inaai0ii | | 30 | WICHITA, | | | Gne | enda by | | |

| | status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Chesapeake Operating, L.L.C.</u> |
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| and tha | t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records |
| of equip | reby request a one-year exemption from open flow testing for the Theis 4-18 |
| | I 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 |
| l fu | rther agree to supply to the best of my ability any and all supporting documents deemed by Commission |
| staff as | necessary to corroborate this claim for exemption from testing. |
| | 4.46.1004.5 |
| Date:_ | <u>1/16/2015</u> |
| | |
| | |
| | _ |
| | Signature: Saa Eures |
| | 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.

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