KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | t: | | | (| See Instruc | ctions on Rev | erse Side |) | | | | | |
|---|---|--|--|--|----------------|--|---------------------------------------|--|---------------------------------------|--|--------------------------|--|--|
| Open Flow | | | | Test Date |) : | | | API | No. 15 | | | | |
| Deliverabilty | | | | 04/29/20 | | | 15-189-22478-0000 | | | | | | |
| Company MERIT ENERGY COMPANY | | | | | | | Lease ILLINOIS A | | | | Well Number . 2 | | |
| County Location STEVENS 919 FSL & 1027 FEL | | | Section 20 | | TWP 34S | | | (W) | Acres Attributed 640 | | | | |
| Field SKI,SW | | | Reservoir MORRO | | | Gas Gathering Conn MERIT ENERGY (| | | | | | | |
| Completion 03/01/20 | | • • | - | Plug Back Total Dept 6737 | | oth | Packer Set at | | Set at | • | | | |
| Casing S 5.5 | Casing Size Weight 5.5 14.0 | | | Internal E 5.012 | Diameter | Set at 6777 | | Perforations 6171 | | то 6246 | | | |
| Tubing S 2.375 | Tubing Size Weight 2.375 4.7 | | | Internal Diameter 1.995 | | Set at F 6160 | | Perfo | rations | То | | | |
| Type Completion (Describe) SINGLE-GAS | | | | Туре Flui WATE | d Productio | on | Pump Unit or Traveli NO | | | ng Plunger? Yes / No | | | |
| Producing Thru (Annulus / Tubing) TUBING | | | % C | arbon Diox | ride | V 111 | % Nitrog 3.884 | | Gas Gravity - G _g 0.660 | | | | |
| Vertical Depth(H) 6209 | | | 1 | | ssure Taps | ure Taps IGE | | | (Meter Run) (Prover) Size 3.068 | | | | |
| Pressure | Buildup: | Shut in .04/2 | 29 2 | 0. <u>15</u> at 9 | | | | | | 15 at 9:30 A | M(A | M) (PM) | |
| Well on L | .ine: | Started | 2 | 0 at | | . (AM) (PM) | Taken | | 20 | at | (A | м) (PM) | |
| | | | | | OBSERVE | ED SURFACE | DATA | | | Duration of Shut- | _{in 24} | Hours | |
| Static / Dynamic Property | Orifice Meter Size Prover Pressure | | Pressure Differential in Inches H ₂ 0 | Temperature Temperature | | (P _w) or (P ₁) or (P _c) | | Tubing Wellhead Pressure (P_w) or (P_1) or (P_6) | | Duration (Hours) | 1 ' | Liquid Produced (Barrels) | |
| Shut-In | | poig (, | menes v ₂ s | - | | 60.0 | psia psig | | psia | 24 | | | |
| Flow | | | | _ | | | | | | | | | |
| | | | | | FLOW ST | REAM ATTRI | BUTES | | | | — Т | | |
| Plate Coeffiecient (F _b) (F _p) Mofd | | Circle one: Meter or Prover Pressure psia | Press Extension P _m x h | Gravity Factor F _g | | Flowing Temperature Factor F _{f1} | | iation ctor pv | Metered Flow R (Mcfd) | y GOR (Cubic Fe Barrel) | et/ | Flowing Fluid Gravity G _m | |
| | | | | | , | | | | | <u> </u> | | | |
| /D \2 | , , | . (D.)2 | | • | • • | /ERABILITY) | | | | (P _a)² (P _d)² | 2 = 0.20° | 7 | |
| $(P_c)^2 = \underline{\qquad}$ $(P_c)^2 - (1)$ or $(P_c)^2 - (1)$ | P _a) ² | $ (P_w)^2 = $ | | LOG of formula 1. or 2. and divide by: | | % (P _c - 14.4) + Backpressure Curve Slope = "n" Assigned Standard Slope | | | | Antilog | Ope Deliv Equals I | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | · · · | | | | | | |
| | | | | | | | | | | | | | |
| Open Flow | | Mcfd @ 14.65 psia | | | Deliverability | | | | Mcfd @ 14.65 psia | | | | |
| | - | ned authority, or rein, and that sa | | · · | | - | | | ne above repo lovember | rt and that he ha | | edge of | |
| | | | | | - | مممنيدط | | ı | Merit Energ | y Company | | | |
| | Witness (if any) KANSAS CORPORATION COM | | | | | | | Fac Company | | | | | |
| | | For Comm | ission | <u> </u> | DEC | 0.2.26f8 | · · · · · · · · · · · · · · · · · · · | • | | ked by | | | |

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|--|--|--|--|--|--|--|--|--|--|--|
| | | | | | | | | | | |
| 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 Merit Energy Company 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. | | | | | | | | | | |
| I hereby request a one-year exemption from open flow testing for the | | | | | | | | | | |
| gas well on the grounds that said well: | | | | | | | | | | |
| gao mon on the grounde and odic mon. | | | | | | | | | | |
| (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 Commission | | | | | | | | | | |
| staff as necessary to corroborate this claim for exemption from testing. | | | | | | | | | | |
| | | | | | | | | | | |
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| Date: November 30, 2015 | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Signature: Katherine McClurkan Houhoune McClurka | | | | | | | | | | |
| Kecelana Comitation | | | | | | | | | | |
| Title: Regulatory Analyst | | | | | | | | | | |
| CONSERVATION DIVISION WICHITA, KS | | | | | | | | | | |

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.