KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | • | | - (| See Ins | tructions o | n Reve | erse Side |) | | | | • | |
|--|-----------------------------|---|--|--|---|-------------------------------------|-----------------------|--|---------------------------------------|---|---------------------|----------------------|------------------------------|-------------|---|
| = : | en Flow | | | | Test Date |): | | | | API | l No. 15 | | | | |
| ✓ De | liverabili | ty | | | 10/25/20 | 013 | • | | | | 175-2163 | - 00 | 000 | | |
| Company MERIT E | | Y (| COMPANY | | | | Lea UN | | WOOD | | | | A-5 | Well Nu | ımber |
| County Location SEWARD 1320' FNL & 1320' FWL | | | | Section 23 | | | | | RNG (E/W) 34W | | | Acres Attributed 640 | | | |
| Field ADAMS | ON | | | | | Reservoir LOWER MORROW/CHESTER D | | | | Gas Gathering Connection APC | | | | | |
| Completic 07/17/19 | | | | | Plug Bac 6229' | Plug Back Total Depth 6229' | | | | | Packer Set at NA | | | | |
| Casing S 5.5 | ize | | Weigh 15.5# | | Internal 0 4.95 | Internal Diameter 4.95 | | | • | Perforations 6110' | | | To 6140' | | |
| Tubing Si 2.375 | ze | | Weigh 4.7# | nt | Internal (1.995 | Internal Diameter 1.995 | | | Set at 6219' | | Perforations NA | | | ••••• | |
| Type Completion (Describe) COMMINGLED | | | | • • | Type Fluid Production WATER | | | | Pump Unit or Traveling Plunger? Yes I | | | | / No | | |
| Producing | • | Апг | nulus / Tubing | g) | % C | Carbon [| Dioxide | | | % Nitrog | gen | | Gas Gr | avity - 0 | G, |
| Vertical Depth(H) 6125' | | | | | Pressure Taps FLANGE | | | | | (Meter Run) (Prover) Size | | | | | |
| Pressure | Buildup | : : | Shut in 10/ | 24/2013 | 20at_9 | | ···· | (PM) | Taken_10 |)/25/20 | 13 | 20 | | М | (AM) (PM) |
| Well on L | ine: | | | : | | | | | | | | | | | (AM) (PM) |
| | | | | | | OBSE | RVED SUF | RFACE | DATA | | ~ | Dur | ation of Shut- | in | Hours |
| Static / Dynamic Property | Orifice Size (inches) | | Circle one: Meter Prover Presso psig (Pm) | Pressure Differential in Inches H,0 | Flowing Temperature t | Well H Tempera | ature (P _w | Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia | | Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia | | | | | id Produced Barrels) |
| Shut-In | 0.63 | | | 2 | | | ры | 9 | 120 | psig | 90 | | 24 | | |
| Flow | | | | | | | | | | | | | | | |
| | | | | | | FLOW | STREAM | ATTRIE | BUTES | | | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | | Press Extension ✓ P _m x h | Extension Fact | | Tempera Facto | omnaratura | | viation Meterec actor R F _{pv} (Mct | | | ow GOR (Cubic F Barrel | | Flowing Fluid Gravity G _m |
| | <u> </u> | | | | (OPEN FL | | | ILITY) | CALCUL | ATIONS | | | (P _a) | ² = 0.2 | 207 |
| (P _c) ² = | | : | | Chaose formula 1 or | | | \neg | | - 14.4) + | | : | 1 | (P _d) | ² = | |
| $(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | | 1. P _e ² - P _e ² 2. P _e ² - P _e ² divided by: P _e ² - P _e | 1. P _c ² -P _s ² LOG of formula 2. P _c ² -P _s ² and dividi | | Ba | Backpressure Curve Slope = "n" or Assigned Standard Slope | | n x | LOG | | Antilog Del | | pen Flow liverability s R x Antilog (Mcfd) |
| | | | | | | · | | | | | | <u> </u> | | | |
| Open Flo | w | | | Mcfd @ 14 | .65 psia | | Deli | verabil | lity | | · - | Mcfc | d @ 14.65 psi | ia | |
| | | nec | authority, o | n behalf of the | <u> </u> | states th | | | • | o make t | he above re | | • | | rledge of |
| he facts s | tated the | erei | n, and that sa | aid report is tru | e and correc | t. Exec | uted this th | e 6th | <u> </u> | day of _ | lovember | | | I | 20 13 . |
| | | | Wileser F | d any) | | | | _ | | | | Mζ | P | KC | C WIC |
| | | | Witness (i | ii anyj | | | | | | | , | or Compa | iny | NC | OV 12 2 |
| - | | | For Comm | nission | | | _ - | | - " | | (| Checked b | ру | | PECEN/ |

| | are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator MERIT ENERGY COMPANY |
|---------------------|--|
| and that th | ne foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records |
| | ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for theUNDERWOOD A-5 |
| gas well or | n 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 |
| | er agree to supply to the best of my ability any and all supporting documents deemed by Commissio cessary to corroborate this claim for exemption from testing. |
| D-1 11// | 06/2013 |
| Date: | |
| Date: | |
| Date: | |
| Date: | |
| Date: <u>- 1770</u> | Signature: M. Chupfatiin |
| Date: <u>- 1170</u> | Signature: M Chuyfatiu |

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.