KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : en Flov | N | | | (| See Instruc | tions on Rev | erse Side |) | | | | |
|---|--------------|------|--|---|---|------------------|--|--------------------------------------|--|-----------------------------|---------------------------------------|--|------------------------------------|
| Deliverabilty | | | Test Date: 11/07/2014 | | | | | No. 15 18 <mark>7-21141-</mark> 0 | 0000 | | | | |
| Company MERIT ENERGY COMPANY | | | | Lease LEON | | | | _ | | | Well Number 4-A12-30-39 | | |
| County Location STANTON 1145 FNL & 426 FEL | | | | Section 12 | | | | RNG (E/ | RNG (E/W) 9W | | Acres Attributed 640 | | |
| Field LITTLE BOW | | | | Reservoir MORROW | | | | | nering Conne STREET | ection | | | |
| Completion Date 01/14/2009 | | | | Plug Back Total Depth 5716 | | th | | Packer Set at | | | | | |
| Casing Size 5.5 | | | Weight | | Internal Diameter 4.892 | | Set at .5853 | | Perforations 5318 | | то 5323 | | |
| Tubing Size 2.375 | | | Weight | | Internal Diameter 1.995 | | Set at 5372 | | Perforations | | То | | |
| Type Completion (Describe) SINGLE-GAS | | | Type Flui WATE | n | | | it or Traveling BEAM PUI | MP | | | | | |
| Producing TUBING | | (Anı | nulus / Tubing |) | % 0 0.5587 | arbon Dioxi % | ide | | % Nitrogen 15.0528% | | Gas Gravity - G _g 0.670 | | |
| Vertical D | epth(H | 1) | | | | | sure Taps NGE | | | | (Meter F 3.068 | Run) (Pro | over) Size |
| Pressure | Buildu | p: | Shut in | 06/2014 2 | 0at_9 | :00 AM | (AM) (PM) | Taken_11 | /07/201 | 4 20 | at_9:00 At | M(A | AM) (PM) |
| Well on L | ine: | | Started | 20 |) at | | (AM) (PM) | Taken | | 20 | at | (/ | AM) (PM) |
| | | | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut-i | n_24 | Hours |
| Static / Orifice Dynamic Size Property (inches) | | е | Circle one: Meter Prover Pressu psig (Pm) | Pressure Differential in Inches H ₂ 0 | Flowing Well Head Temperature t t | | (P_w) or (P_t) or (P_c) | | Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) | | Duration Li (Hours) | | Produced arrels) |
| Shut-In | | | Pag () | | | | 24.0 | psia | psig | psia | 24 | | |
| Flow | | | | | | | | | | | | | |
| Diete | . 1 | | Circle one: | | T | | Flowing | BUTES | | | | 1 | Flowing |
| Plate Coefficcient (F _b) (F _p) Mcfd | | Pro | Meter or over Pressure psia | Press Extension P _m x h | Gravity Factor F _g | | Temperature Factor F _{rt} | | iation ctor : pv | Metered Flow R (Mcfd) | v GOR (Cubic Fee Barrel) | et/ | Fluid Gravity G _m |
| | | | | | | | | | | | | | |
| | | | | | (OPEN FL | OW) (DELIV | /ERABILITY) | CALCUL | ATIONS | | (P _a) ² | = 0.20 | 17 |
| (P _c) ² = | | _:_ | | : Choose formula 1 or 2. | P _d = | | | <u>-</u> - 14.4) + | 1 | : | (P _d) ² | = | |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | | | 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$ | LOG of formula 1. or 2. and divide by: | | Backpressure Curv Slope = "n" or Assigned Standard Slope | | n x LOG | | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | _ | | | | | | | | | | | |
| | | | l. | | <u>.</u> | | | | | | | | |
| Open Flow Mcfd @ 14.65 p | | | | 65 psia | psia Deliverability | | | Mcfd @ 14.65 psia | | | | | |
| | | _ | • | behalf of the | and correc | t. Executed | - | 2ND | day of D | ECEMBER | ort and that he has | , 2 | edge of 0 <u>14</u> . |
| | | | Witness (if | any) | | | 2 9 2014 | | IA BUR | For 0 | Company | | |
| | | | For Comm | ssion | | CONCEDUA | 4 J ZU17_ | JAINI | IA DUK | | ckeppy L | Surt | <u>~</u> |

| I declare under penalty of perjury under the laws of the state of exempt status under Rule K.A.R. 82-3-304 on behalf of the operator | • |
|--|---|
| and that the foregoing pressure information and statements contain correct to the best of my knowledge and belief based upon available of equipment installation and/or upon type of completion or upon use I hereby request a one-year exemption from open flow testing for | ned on this application form are true and production summaries and lease records being made of the gas well herein named. |
| gas well on the grounds that said well: | |
| is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection into an oil re is on vacuum at the present time; KCC approval D is not capable of producing at a daily rate in exce I further agree to supply to the best of my ability any and all suppostaff as necessary to corroborate this claim for exemption from testing Date: DECEMBER 22, 2014 | ocket Noss of 250 mcf/D porting documents deemed by Commission |
| Signature:JANNA BURT Title: _REGULATOR | ν |

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.