Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Test | t: | | | (| See Instruc | tions on Reve | erse Side |) | | | |
|-----------------------------------------------------------|--------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|------------------------------------|-------------------------------|---------------------------------------------------------------|-----------------------|----------------------------|------------------------------------------------------------------|---------------------------------|----------------------------------------------------|
| Open Flow | | | Test Date: API No. 15 | | | | | | | | |
| De | liverabilt | У | | 10/13/2 | | | | | 175-20593-0 | 0001 | |
| Company MERIT ENERGY COMPANY | | | Lease CROW | | | | | | Well Number B-1 | | |
| County Location SEWARD 660 FSL & 4620 FEL | | Section 26 | | TWP 33S | | RNG (E/W) 34W | | | Acres Attributed 640 | | |
| Field SHUCK | | | | Reservoi LDWEF | CHESTE | R | | Gas Gai | thering Conne | ection | |
| Completic 11/14/89 | | | | Plug Bac 6220' | k Total Dept | th | | Packer 5 NA' | Set at | | |
| Casing S 4.5 | Casing Size Weight 4.5 10.5 | | Internal Diameter 4.052 | | Set at 6168' | | Perforations 5960' | | то 59 74' | | |
| - | ubing Size Weight | | Internal Diameter 1.995 | | Set at 5957' | | Perforations NA | | To NA | | |
| | 2.375 4.7 Type Completion (Describe) | | L.990 Type Fluid Production | | | | | Unit or Traveling Plunger? | | / No | |
| SINGLE | | (Describe) | | WATE | | , | | | ROD PUMP | | , 110 |
| Producing | , | Annulus / Tubin | g) | % C | arbon Dloxi | de | | % Nitrog | jen | Gas Gr | ravity - G _g |
| Vertical Depth(H) Pressure Taps (Meter Run 6063' FLANGE 3 | | | | | Run) (Prover) Size | | | | | | |
| Pressure | Buildup: | Shut in 10/ | 13 | 15 at 9 | | | aken_10 |)/14 | 20 | 15 _{at} 9:30 A | .M (AM) (PM) |
| Well on L | | | | C at | | (AM) (PM) T | aken | | 20 | at | (AM) (PM) |
| | | | | | OBSERVE | D SURFACE | DATA | · - | | Duration of Shut- | in 24 Hours |
| Static / Dynamic Property | Orifice Size (inches | Meter Prover Pressi | Pressure Differential in Inches H ₂ 0 | Flowing Temperature t | Well Head Temperature t | Casin Wellhead Pi (P _w) or (P _t) psig | ressure | Wellhe | Tubing ad Pressure r (P _t) or (P _c) psia | Duration (Hours) | Liquid Produced (Barrels) |
| Shut-In | .63 | | | | | 64.0 | рага | paig | psia | 24 | |
| Flow | | | - | | | | | | | | |
| | | | , | | FLOW STR | EAM ATTRIE | UTES | | | | |
| Plate Coeffiec (F _b) (F Mcfd | eient p) | Circle one: Meter or Prover Pressure psia | Press Extension ✓ P _m x h | Grav Fact | tor | Flowing femperature Factor F _{it} | Fa | ation ctor ev | Metered Flow R (Mcfd) | GOR (Cubic Fe Barrel) | 1 Gravity |
| | | | | | • | | | | | | |
| | | | | (OPEN FL | DW) (DELIV | ERABILITY) | CALCUL | ATIONS | | (P ₋) | ² = 0.207 |
| (P _e) ² = | | (P _w) ² = | , h | P _a = | | % (P _c | - 14.4) + | 14.4 = | <u></u> _: | (P _d) | |
| (P _c) ² - (F | P _a) 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: $P_c^{-2} - P_w$ | LOG of formula 1, or 2, and divide | P.2 - P.2 | Backpress Slope Assig Standar | = "n" r yned | пх | LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
| | | | ожиров Бу . Г с | 1 | | | | | | | |
| | | | | | | | • | | | | |
| Open Flor | w | | Mcfd @ 14. | 65 psia | | Deliverabili | tÿ | | | Mcfd @ 14.65 ps | ia |
| The t | undersigr | ned authority, or | n behalf of the | Company, s | tates that h | e is duly auth | | | - | rt and that he ha | s knowledge of |
| the facts s | tated the | rein, and that sa | aid report is true | and correc | t. Executed | this the 30t | <u>h</u> | day of N | ovember | | , 20 |
| | | · · · · · · · · · · · · · · · · · · · | | | | alved | (GA) | <u>Me</u> | rit Energy | / Company | · |
| | | Witness (i | fany) | TV4/N | No. | TION COMMISS | ON | | | _{ompany} e McClurka | n |
| | | For Comm | ission | | لأحر لا | 2 2015 | | | | ked by | |

CONSERVATION DIVISION WICHITA, KS

| | under the laws of the state of Kansas that I am authorized to request 304 on behalf of the operator Merit Energy Company |
|------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| and that the foregoing pressure inform correct to the best of my knowledge an of equipment installation and/or upon ty | mation and statements contained on this application form are true and and belief based upon available production summaries and lease records type of completion or upon use being made of the gas well herein named. Socion from open flow testing for the Crow B-1 |
| gas well on the grounds that said well: | |
| is on vacuum at the | er lift due to water ral gas for injection into an oil reservoir undergoing ER represent time; KCC approval Docket No roducing at a daily rate in excess of 250 mcf/D st of my ability any and all supporting documents deemed by Commission |
| Received Name as CORPORATION COMMISSION DEC 0 2 2015 CONSERVATION DIVISION WICHITA, KS | Signature: Katherine McClurkan Whorwie MCLlukku Title: 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.