KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | | (| See Instruc | tions on Rev | erse Side |) | | | | |
|--|--------------------------|---|---|------------------------------------|------------------|---|---|---|-----------------------------|-------------------------------|--|---|
| Open Flow | | | Test Date: API No. 15 | | | | | | | | | |
| ✓ Deliverabilty | | | 11/20/2011 | | | | 15-189-21387 -00-0 | | | | | |
| Company MERIT E | | Y COMPANY | • | | | Lease DUNNE- | HOFFM | ANN K | | | Well Nu 1 | mber |
| County Location STEVENS 1200' FNL & 1200' FWL | | | Section /6 | | TWP 35 S | | RNG (E/W) 38W | | Acres Attributed 640 | | attributed | |
| Field MOUSER | | | Reservoir MORRO | | | Gas Gathering Co APC | | hering Conn | ection | | | |
| Completion Date 10/24/1989 | | | Plug Bac 6222' | k Total Dep | th | h Packer Set NA | | Set at | | | | |
| Casing S 4.5 | ize | Weigl 11.6# | | Internal Diameter 4.0 | | Set at 6285 ' | | Perforations 6122' | | To 6140' | | |
| Tubing Size Weigh | | ht | Internal Diamet | | Set at | | Perforations | | To NA | | | |
| 2.375 4.7# Type Completion (Describe) | | 1.995 | d Productio | | | NA Pump Ur | NA NA p Unit or Traveling Plunger? Yes | | | <u> </u> | | |
| SINGLE GAS | | | | Type Fluid Production WATER | | | | YES | | | 7 110 | |
| Producing | • | Annulus / Tubin | g) | % C | Carbon Diox | ide | | % Nitrog | en | Gas Gr | avity - (| 3, |
| Vertical D | epth(H) | | | | | sure Taps NGE | | • | | (Meter 4 | Run) (P | rover) Size |
| Pressure Buildup: Shu | | : Shut in 11/ | /20 2 | 20 11 at 3:00 PM | | | (AM) (PM) Taken 11/21 | | | 20 11 at 3:00 PM (AM) (PM) | | |
| Well on L | ine: | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (| AM) (PM) |
| | | | | , | OBSERVE | D SURFACE | DATA | , | - | Duration of Shut | -in | Hours |
| Static / Dynamic Property | Orific Size (inche | Meter Prover Press | I | lemperature Temperatu | | Wellhead Pressure (P _w) or (P ₁) or (P _c) | | Tubing Wellhead Pressure (P,) or (P,) or (Pc) psig psia | | Duration (Hours) | | d Produced Sarrels) |
| Shut-In | 1.5 | poly (1 m) | 11101011120 | | | psig | psig psia 65 | | psia 2 | 24 | | |
| Flow | | | | | | | | | | | | |
| | · | | , | | FLOW ST | REAM ATTRI | BUTES | | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | Press Extension ✓ P _m x h | Grav Fac F | or Temperature | | Fa | iation ctor pv | Metered Flov R (Mcfd) | y GOR (Cubic Fe Barrel) | | Flowing Fluid Gravity G _m |
| | | | | | | | | | | | | |
| (P _c) ² = | | .: (P _w)² = | <u>.</u> | (OPEN FLO | | (ERABILITY) % (P | CALCUL - 14.4) + | | | · - |) ² = 0.2 | 07 |
| $(P_a)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P ₀) ² - (P _w) ² | Choose formula 1 or 2 1. P ₀ ² - P ₀ ² 2. P ₀ ² - P ₀ ² divided by: P ₀ ² - P ₀ | LOG of formula 1, or 2, and divide | Backpres Slop | | sure Curve e = "n" origned ard Slope | | rog | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | штава Бу, Т ₆ Т w | | اسد حدا | | | | | | | |
| | | | | | | | | | | |] | |
| Open Flow Mcfd @ 14.65 psia | | | | | | Deliverability | | | | Mcfd @ 14.65 psia | | |
| | - | ned authority, o | | | | • | | | ECEMBER | ort and that he ha | | ledge of 20 <u>11</u> . |
| | | Witness | (if anv) | | | | | | Fact | n C | | ECEIVE |
| | | | | | | _ | | | | | | N-0-3-20 |
| | | For Corns | mission | | | | | | Che | cked by | 34 | 9 9 20 |

| | 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 the correct to the of equipment I here! | 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 the |
| | 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 Commission accessary to corroborate this claim for exemption from testing. |
| | Signature: MCatter 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.