Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Test | t: | | | | (| See Instruc | ctions on Re | rerse Side |) | | | | | | |
|--|---------------|---|--|---|---|--------------------------|--|---|--------------------|-----------------------------|------------|-------------------------------|-----------|---|--|
| □ Ор | en Flow | ٧ | | | Test Date | · | | | Δ P 1 | No. 15 | | | | | |
| De | liverabil | lty | | | 10/17/20 | | | | 15- | 033- 211032 | .21,038 | g-000 | 0 | | |
| Company HUMMO | | RPC | DRATION | | | | Lease KELLEF | ₹ | | | | 1-22 | Vell Nu | mber | |
| County COMAN | CHE | | Locatio E/2 SE | οn | Section 22 | | TWP 32S | | RNG (E/W) 18W | | | Acres Attributed 160 | | ttributed | |
| Field NESCAT | TUNG/ | 4 | | | Reservoir | • | | | Gas Gat ONEO | hering Conn (| ection | | | | |
| Completion Date 12/02/1999 | | | | Plug Back Total Depth 5677' | | | | Packer S | et at | | - | | | | |
| Casing Size 4-1/2" | | | Weight 10.50 | | Internal Diamete 3.950" | | r . Set at 5673' | | Perforations 5028 | | то 5064 | | | | |
| Tubing Size 2-3/8 | | | Weight 4.70# | | Internal Diamet 1.995 | | er Set at 4993 | | Perforations | | | То | | | |
| Type Completion (Describe) SINGLE | | | | Type Fluid Production WATER | | | | Pump Unit or Traveling Plunger? Yes / No PUMPING UNIT | | | | | | | |
| Producing | _ | (Ann | ulus / Tubing |) | % C | arbon Diox | ride | | % Nitrog | en | | Gas Gra | avity - G | o . | |
| Vertical D | |) | | | | Pre | ssure Taps | | | | | (Meter F | Run) (Pr | over) Size | |
| Pressure | Buildup | o: 5 | Shut in | OCT 20 | 0 14 at 0 | 900 | (AM) (PM) | Taken_18 | OCT | 20 | 14 at_ | 0900 | (| AM) (PM) | |
| Well on L | ine: | 5 | Started | 20 | D at | | (AM) (PM) | Taken | | 20 | at _ | | (| АМ) (РМ) | |
| | | | | | | OBSERVI | ED SURFACE | E DATA | - | | Duration | of Shut-i | n_24 | Hours | |
| Static / Dynamic Property | - 1 | | Circle one: Meter Prover Pressui | | Flowing Temperature | Well Head Temperature | Temperature Wellhead F | | ressure Wellhead I | | Dura | | | Liquid Produced (Barrels) | |
| Shut-In | ••••• | | psig (Pm) | Inches H ₂ 0 | | | psig 60 | psia 125 | psig | psia | | | | | |
| Flow | | | | | | | | 120 | | | | | | | |
| 1 | | | | | | FLOW ST | REAM ATTR | IBUTES | | | Į. | | | • | |
| Plate Coefficcient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | | Press Extension ✓ P _m xh | Grav Fact | tor | Flowing Temperature Factor F _{f1} | | iation ctor | Metered Flov R (Mcfd) | | GOR (Cubic Feet Barrel) | | Flowing Fluid Gravity G _m | |
| _ | | | | | (OPEN FL | OW) (DELII) | VERABILITY | CALCUL | ATIONS | | | | | | |
| (P _c) ² = | | _: | (P _w) ² =_ | : | P _a = | | |) - 14.4) + | | : | | | = 0.2 | | |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | | Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ Sivided by: $P_c^2 - P_w^2$ | 1. P _c ² - P _a ² LOG of formula 2. P _c ² - P _d ² 1. or 2. and divide | | Backpress Slope P _c P _w Assi Standar | | l n x i | -oe [·] | Anti | Antilog De | | Open Flow eliverability ils R x Antilog (Mcfd) | |
| | | | - | | | | | | | | | | | | |
| Open Flor | <u> </u> w | | | Mcfd @ 14. | 65 psia | | Deliverab | ility | | | Mcfd @ 1 | 4.65 psi | a | | |
| The ι | undersi | gned | I authority, on | behalf of the | | states that | he is duly au | ithorized t | o make th | | | · | _ | edge of | |
| the facts s | tated th | erei | n, and that sa | id report is true | | | | | day of D | ECEMBER | | | ,; | 20 14 | |
| | | | \$6#4 *** | | | KCC | WICH: | ^ | | | ^ | | | | |
| | | _ | Witness (if | | | DEC | 8 2014 | | | | Company | | | | |
| | | | For Commi | ssion | | REC | CEIVED | | | Che | cked by | | | | |

| exempt status unde and that the forego correct to the best of of equipment install | r penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator HUMMON CORPORATION ling pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. |
|---|--|
| gas well on the grou | |
| I further agree | 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing. |
| Date: 12/14/2014 | |
| | KCC WICHITASignature: |

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.