KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | | (| (See Instruc | tions on Reve | erse Side |) | | | | |
|--|--------------------------------|---|---|--|---|---|--|------------------------------|--|-----------------------------|--|--|
| = ' | en Flow liverabilty | | | Test Date | ə: | | | | No. 15 | | | |
| <u> </u> | | | | 9/6/14 | | | | 15-0 | 007-20466-0 | | | |
| Company WOOLS | | RATING CC | MPANY, LLC | : | | Lease KNIGHT- | -CONNE | ERS | | 1 | Well Number | |
| County BARBER | ₹ | Locat SW SV | ion V NE NE | Section 9 | | TWP 30S | | | | Acres Attributed | | |
| Field HARDIN | G | | | Reservoir INDIAN | | | | | hering Conne I ENERGY | oction | | |
| Completic 2/15/77 | on Date | | | Plug Bac 2865 | k Total Dept | th | | Packer S NONE | et at | | | |
| Casing S 4.500 | Casing Size Weig 4.500 10.5 | | | Internal I 4.052 | Diameter | meter Set at 2946 | | Perforations 2720 | | ^{То} 2732 | | |
| | Tubing Size Weight | | ht | Internal Diameter 1.995 | | Set at 2791 | | Perforations OPEN | | То | | |
| 2.375 4.70 Type Completion (Describe) | | | | Type Fluid Production | | | Pump Unit or Traveling Plunger? Yes / No | | | | | |
| SINGLE | | | WATE | WATER | | | PUMPING | | | | | |
| Producing Thru (Annulus / Tubing) ANNULUS | | | % C | % Carbon Dioxide | | | % Nitrogen | | | Gas Gravity - G | | |
| Vertical D | | | | _ | Pres | sure Taps | - - | | _ | (Meter | Run) (Prover) Size | |
| 2726 | | 9/6 | 6/14 | | | | | 7/14 | | | | |
| Pressure | • | Shut in | 2 | | | | | | | | (AM) (PM) | |
| Well on L | ine: | Started | 2 | 0 at | | (AM) (PM) 1 | Taken | | 20 | at | (AM) (PM) | |
| | | _ | , | | OBSERVE | D SURFACE | DATA | | | Duration of Shut | -in Hours | |
| Static / Dynamic | Orifice Size | Circle one: Meter | Pressure Differential | Flowing | Well Head | Casing Wellhead Pressure | | Tubing Wellhead Pressure | | Duration | Liquid Produced | |
| Property | (inches) | Prover Press psig (Pm) | | t | Temperature t | (P _w) or (P ₁) | or (P _e) | (P _w) or psig | (P _t) or (P _c) | (Hours) | (Barrels) | |
| Shut-In | | 1 | | | - | 130 | háia | 0 | psia | 24 | | |
| Flow | | | • | | | | | | | <u> </u> | | |
| | | | | | FLOW STR | REAM ATTRIE | BUTES | | | | | |
| Plate Coeffiec (F _b) (F Mcfd | ient ,) F | Circle one: Meter or Prover Pressure psia | Press Extension ✓ P _m x h | Grav Fac F | tor | Flowing Temperature Factor F _{II} | Fa | iation ctor pv | Metered Flow R (Mcfd) | GOR (Cubic Fe Barrel) | eet/ Fluid Gravity | |
| | | | | | | | | | | | | |
| (P _c) ² = | | (P _w)² = | <u>.</u> . | (OPEN FL | | 'ERABILITY) % (P. | CALCUL - 14.4) + | | | (P _a) |) ² = 0.207 | |
| | <u> </u> | | Choose formula 1 or 2 | : [| | | sure Curve | | | (F _d . | Open Flow | |
| (P _c) ² - (F or (P _c) ² - (F | | (P _o) ² - (P _w) ² | P_c² - P_s² P_c² - P_d² divided by: P_c² - P_d | LOG of formula 1, or 2. and divide by: | P ₀ ² - P _y ² | Slope (Assl | e = "n" or gned rd Slope | l n x i | _og | Antilog | Deliverability Equals R x Antilog (Mcfd) | |
| | | | - v u | | | † | | 1 | | | | |
| | | | | | | | | | | | | |
| Open Flor | Open Flow Mcfd @ 14.65 psia | | | | | Deliverability | | | 1 | Mcfd @ 14.65 psia | | |
| The t | ındersign | ed authority, o | n behalf of the | Company, s | states that h | e is duly aut | | | • | | as knowledge of | |
| the facts s | tated ther | ein, and that s | aid report is tru | and correc | t. Executed | this the 10 | | day of <u>S</u> | EPTEMBER | | , 20 _14 | |
| | _ | 1671 | M and | | | _ | w | mR(| Hall | ach L | Received KANSAS CORPORATION C | |
| | | Witness | - •• | | | _ | | | ! | ompany kad by | OCT 22 | |
| | | For Com | THOSIVII | | | | | | Cnec | ked by | J | |

| I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator WOOLSEY OPERATING CO., LLC | |
|---|----|
| and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the KNIGHT-CONNERS 1 gas well on 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commissistaff as necessary to corroborate this claim for exemption from testing. | on |
| Date: 9/10/14 Signature: And Hallager Title: FIELD MGR. | |
| | |

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.