KCC MICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | | | | (| See Instruct | ions on Re | everse Side |) | | | | | |
|---|----------------------|-----------|--|--|-------------------------------|---|--|--|---------------------------------------|--------------------------------------|----------------------------|---|---|--|
| Open Flow | | | | | | ΔPI | No. 15 | | | | | | | |
| De | eliverat | oilty | | | Test Date 7-26-1 | | | | | 1-20,642 | ∞ | | | |
| Company W.R. W | | ns, | Inc. | | | | Lease Tarma | an | | | 1 | Well Nur | nber | |
| County Greeley | | | Locati C NE | on | Section 34 | | TWP 16S | | RNG (E/W) | | | Acres Attributed 560 | | |
| Field Byerly | | | | | Reservoir Towanda | | | | | hering Conne Energy | ection | | | |
| Completic | on Dai | te | | • | Plug Bac 3003 | k Total Dept | h | | Packer S | ····· | | | | |
| Casing S | Casing Size 4.5 | | Weigh 10.5 | <u> </u> | Internal Diam 4.052 | | ameter Set at 3050 | | Perforations 2940 | | т _о 2951 | | | |
| Tubing S | Tubing Size 2.375 | | Weigh | <u> </u> | Internal Dia 1.995 | | Set at 2944 | | Perforations | | То | | | |
| Type Completion (I Single Gas | | n (D | | | Type Fluid Production Water | | n 1 | | Pump Unit or Traveling P Pump Unit | | Plunger? Yes | / No | | |
| Producing Thru (A | | (An | nulus / Tubing |) | % Carbon Diox | | | | % Nitrogen | | Gas G .885 | Gas Gravity - G | | |
| Vertical C | | 1) | | | | Pres | sure Taps | | | | | Run) (Pro | over) Size | |
| 3050 | | , | | | | | | | | | (| | , | |
| Pressure | Buildu | ıp: | Shut in | 5 2 | 0_11 at_9 | :50 AM | (AM) (PM) | Taken_7- | 26 | 20 | 11 _{at} 9:50 A | M (/ | AM) (PM) | |
| Well on L | ine: | | Started | 2 | 0 at | | (AM) (PM) | Taken | | 20 | at | (/ | AM) (PM) | |
| | | | | | | OBSERVE | D SURFAC | E DATA | | | Duration of Shut | -in_24.0 | 0 Hours | |
| Static / Dynamic Property | mic Size | | Circle one: Meter Prover Pressu | I | Flowing Temperature t | mperature Temperature | | Casing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_c)$ | | ubing ad Pressure (P,) or (P,) | Duration (Hours) | Liquid Produced (Barrels) | | |
| Shut-In | (| | psig (Pm) | Inches H ₂ 0 | | | 71.6 | psia 86 | psig psia | | 24.00 | | | |
| Flow | | | | | | | | | | | | | | |
| | | - | | | r | FLOW STR | EAM ATTE | RIBUTES | | | | 1 | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Pro | Circle one: Meter or over Pressure psia | Press Extension Pmxh | Grav Fac F _c | tor T | Flowing Temperature Factor F ₁₁ | | iation ctor pv | Metered Flow R (Mcfd) | GOR (Cubic Fo Barrel | | Flowing Fluid Gravity G _m | |
| | | , | | | | | | | | | | | | |
| (P _c)² = | | | (P)2 = | : | (OPEN FL | OW) (DELIVI | | r) CALCUL P _e - 14.4) + | | | |) ² = 0.20) ² = | 7 | |
| (P _e) ² - (I | | _ · (F | | 1. P _c ² - P _d ² | | | Backpre Sid | essure Curve ppe = "n" or ssigned | 1 | ا ر ا | Antilog | Ope Deliv | en Flow rerability R x Antilog | |
| | d' | | | livided by: Pa Pu | by: | P _c ² · P _y ² | | dard Slope | <u> </u> | LJ | | () | vicid) | |
| | | | | | - | | | | - | | | | | |
| Open Flo | w | | I | Mcfd @ 14, | 65 psia | | Deliveral | bility | | | Mcfd @ 14.65 ps | ia | | |
| The | unders | igne | d authority, or | behalf of the | Company, s | states that h | e is duly a | uthorized t | o make th | e above repo | rt and that he h | as knowle | edge of | |
| the facts s | tated t | herei | in, and that sa | id report is true | and correc | t. Executed | this the $\underline{2}$ | | | | | , 2 | 0 11 . | |
| - | | | Witness (if | алу) | | | - | Da | ve Ols | | ompany REC | EIVE |) | |
| | | | | | | | | | | | AUG | 0 5 20 | 111 | |

| | status under Rule K.A.R. 82-3-304 on behalf of the operator W.R. Williams, Inc. the foregoing pressure information and statements contained on this application form are true and |
|---------|--|
| | o the best of my knowledge and belief based upon available production summaries and lease records |
| | ment installation and/or upon type of completion or upon use being made of the gas well herein named. |
| | reby request a one-year exemption from open flow testing for the |
| jas wel | 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 |
| | ther agree to supply to the best of my ability any and all supporting documents deemed by Commissionecessary to corroborate this claim for exemption from testing. |
| | RECEIVED |
| | AUCATAN |
| | AUG 0 5 2011 |
| | Signature:KCC WICHITA |

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.