KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | t: | | | (| (See Instruc | tions on Re | verse Side | ·) | | | | | |
|--|--|---|--|---|--|--|--|--|---------------------------------------|--|--|---------|--|
| Op | en Flow | | | Toot Date | | | | A D L 6 | No. 15 | | | | |
| ✓ Deliverability | | | | | Test Date: API No. 15 01/18/2012 023-2082 | | | | | 9 -00-00 | | | |
| Company Petrole | | elopment C | Corp | | | Lease Rueb f | - arms | | | 44-34 | Well Number | | |
| County Location Cheyenne NESESE | | | Section 34 | | TWP 3S | | | V) | Acres Attributed 160 | | | | |
| | | | | | Reservoir Niobrara | | | Gas Gathering Connection PDC Stones Throw Gathering | | | | _ | |
| | | | | Plug Bac 1675' | k Total Dept | th | Packer Set at n/a | | | | | | |
| Casing Size Weight 4.5" 10.5# | | | Internal (4" | Diameter | | Set at Perfo 1699' 153 | | orations To 30' 1544 | | 1 | | | |
| Tubing Size Weight 2.375" 4.75# | | | Internal [| Diameter | | Set at Perfo | | orations To | | The second secon | | | |
| Type Con N2 Frac | npletion (I | Describe) | | Type Flui Brine \ | d Production Water | | - | Pump Uni Yes, Pl | | Plunger? Yes | / No | | |
| Producing Thru (Annulus / Tubing) Annulus | | | | % C | Carbon Dioxi | de | | | | Gas Gravity - G _g | | | |
| Vertical D | | | | 170 | Pres | sure Taps | | < 170 | | (Meter | Run) (Prover) Size | e | |
| Pressure | Buildup: | Shut in _01/ | 18 2 | 0 12 at 1 | :25pm | (AM) (PM) | Taken 01 | /19 | 20 | 12 _{at} 1:30pr | m(AM) (PM) | | |
| Well on L | ine: | | | | | | | | | | (AM) (PM) | | |
| | | | | | OBSERVE | D SURFACI | E DATA | | | Duration of Shut- | -in_24Hou | | |
| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meter Prover Pressu | 1 | Flowing Well Head Temperature t t | | Casing Wellhead Pressure (P_w) or (P_1) or (P_c) | | Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) | | Duration (Hours) | Liquid Produced (Barrels) | | |
| Shut-In | | psig (Pm) | Inches H ₂ 0 | | | psig 95 | psia | psig | psia | | | - | |
| Flow | | | | | | | | | | | | 1 | |
| | | | | | FLOW STR | EAM ATTR | IBUTES | | · · · · · · · · · · · · · · · · · · · | | | | |
| Plate Coeffieci (F _b) (F Mcfd | ent | Circle one: Meter or rover Pressure psia | Press Extension Pmxh | Grav Fact | - 1 7 | Flowing Temperature Factor F ₁₁ | | ation ctor | Metered Flow R (Mcfd) | GOR (Cubic Fe Barrel) | l Gravity | | |
| **** | | · · · · · · · · · · · · · · · · · · · | <u> </u> | (OPEN FLO | OW) (DELIV | ERABILITY |) CALCUL | ATIONS | | | | | |
| P _c) ² = | : | (P _w) ² = | | P ₀ = | | | P _c - 14.4) + | | <u> : </u> : | (P _d) | ² = 0.207 ² = | _ | |
| (P _c) ² - (F or (P _c) ² - (F | ŀ | (P _c) ² - (P _w) ² | Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$ | LOG of formula 1. or 2. and divide | P.2- P.2 | Slop | ssure Curve pe = "n" - or signed ard Slope | n x LC | og [] | Antilog | Open Flow Deliverability Equals R x Antilo (Mcfd) | g | |
| | | | | | | | | | | | | | |
| Open Flov | N | | Mcfd @ 14. | 65 neia | | Deliverab | ility | | | // // // // // // // // // // // // // | ja | | |
| | | ad authority | | | tatos thet | | | meles 41- | | | | | |
| | | | n behalf of the | | | | | make the | | t and that he ha | ns knowledge of, 20 <u>12</u> RECI | = \ /E | |
| | | Witness (if | f any) | | | _ | - | udit | For Co | tull mpany | | | |
| | | For Comm | ission | | | - | | | Chark | ed by | APR 2 | 4 2 | |
| | —————————————————————————————————————— | For Comm | ission | | | _ | | | Check | sed by | KCC W | | |

| ate: <u>04/17/2012</u> | Signature: Qudith Pruitt |
|------------------------|---|
| | e to supply to the best of my ability any and all supporting documents deemed by Commissio y to corroborate this claim for exemption from testing. |
| \checkmark | is not capable of producing at a daily rate in excess of 250 mcf/D |
| | is on vacuum at the present time; KCC approval Docket No. |
| | is a source of natural gas for injection into an oil reservoir undergoing ER |
| | is cycled on plunger lift due to water |
| (Check | one) is a coalbed methane producer |
| as well on the g | ounds that said well: |
| l hereby requ | est a one-year exemption from open flow testing for the Rueb Farms 44-34 |
| | allation and/or upon type of completion or upon use being made of the gas well herein named. |
| orrect to the bes | t of my knowledge and belief based upon available production summaries and lease records |
| | going pressure information and statements contained on this application form are true and |
| | der Rule K.A.R. 82-3-304 on behalf of the operator Petroleum Development Corp |
| i ucolare unc | er penalty of perjury under the laws of the state of Kansas that I am authorized to request |

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.