KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| | | (See Instructions on | | | | |
|--|---|--|--|--|--------------------------------|---|
| Open Flow | Test | Date: | ΔΡ | l No. 15 | | |
| Deliverabilty | 4-3 | 3-14 | | 1-20656-00-00 | | |
| Company Horseshoe Operating, Inc. | | Lease Wats | | | We 1 | ell Number |
| County Lo Greeley C S | cation Sect | ion TWP 20S | RNG (E 39W | /W) | Acı | res Attributed |
| Field Bradshaw | • | ervoir field | | thering Connectio | n | ν. |
| Completion Date I-17-1997 | Plug 283 | Back Total Depth 1 | Packer None | | | |
| Casing Size We I.5 11 | | | et at Perfo 831 280 | orations 0 | то 2810 | |
| Tubing Size We 2.375 4.7 | _ | | et at Perfo 811 | orations | То | |
| Type Completion (Describe) Single - Gas | Type Wa | Fluid Production ter | | nit or Traveling Plu Unit - Rod | nger? Yes / | No |
| Producing Thru (Annulus / Tu Annulus | bing) | % Carbon Dioxide | % Nitro | gen | Gas Gravil | ty - G _g |
| /ertical Depth(H) | | Pressure Taps Flange | S . | | (Meter Rur | n) (Prover) Size |
| Pressure Buildup: Shut in | 4-2 2014 | 0100 | M) Taken 4-3 | 3 20/4 | 1 0.0 | (AM) (PM) |
| Well on Line: Started _ | 20 | ut (AM) (PI | M) Taken | 20 | at | (AM) (PM) |
| Circle o | ne: Pressure | OBSERVED SURFA | | | ation of Shut-in_ | 24 Hours |
| Static / Orlfice Dynamic Size Property (inches) Static / Orlfice Meta Prover Property psig (F | Differential Flowing Temper | ature Temperature t Wellhe | ead Pressure Wellhor (P_t) or (P_c) (P_w) or | Tubing ead Pressure or (P _c) | Duration (Hours) | Liquid Produced (Barrels) |
| Shut-In .500 | | psig | psia psig | psia | 34 | |
| Flow | | | | | | ! |
| | | FLOW STREAM AT | TRIBUTES | 1 1 | | |
| Plate Circle one: Coefficient Meter or $(F_b)(F_p)$ Prover Pressur Mctd psia | Press Extension P _m xh | Gravity Flowing Temperatur Factor Factor Fit | Deviation Factor F _{pv} | Metered Flow R (Mcfd) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity G _m |
| | | | , | | | |
| P _c) ² = : (P _w | | N FLOW) (DELIVERABILI P _d =% | TY) CALCULATIONS (P _c - 14.4) + 14.4 = | | $(P_a)^2 = (P_d)^2 =$ | |
| $(P_c)^2 = (P_w)^2$ or $(P_c)^2 - (P_a)^2$ $(P_c)^2 - (P_w)^2$ | Choose formula 1 or 2: 1. P _c ² - P _a ² LOt form | G of Back | pressure Curve Slope = "n" n x | LOG | Antilog | Open Flow Deliverability |
| (P _c) ² - (P _d) ² | and and | divide p2_p2 | Assigned andard Slope | | E | quals R x Antilog (Mcfd) |
| | | | | | | |
| | | • | | | | |
| Open Flow | Mcfd @ 14.65 psia | Deliver | | Mate | l @ 14.65 psia | |

| | 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 Horseshoe Operating, Inc. |
|---------------|--|
| | he foregoing pressure information and statements contained on this application form are true and |
| | 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 Watson 1 |
| gas well c | 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 |
| l foreth | er agree to supply to the best of my ability any and all supporting documents deemed by Commission |
| | |
| , stair as ne | ecessary to corroborate this claim for exemption from testing. |
| , | 0 - 111 |
| Date: | 9-3-14 |
| | |
| | |
| | |
| | |
| | Signature: |
| | Title: Production Assistant |
| | |
| | |
| | |

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.

Received MASSINI

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