KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Tes | st: | | | | | | (See Instru | ctions on Re | verse Side |)) | | | | | |
|--|---------|--|--|------------------------------------|---|--|------------------|--|---|--|---------------------------|--------------------------|----------------------|---|--|
| □ o _j | pen Fl | w | | | | Total Dat | | | | 451 | N- 45 | | | | |
| De | elivera | bilty | | | | 4-3-1 | 4 | | • | | No. 15 -071-20136 | -0000 | | | |
| Compan | | Ope | erating, I | nc. | | | | Lease Foster | <u> </u> | | | 1 | Well N | lumber | |
| County Greele | y | | Loc C N\ | ation N | | Section 7 | | TWP 20S | | RNG (E/W) 39W | | · <u> </u> | Acres 640 | Attributed | |
| Field Bradshaw | | | _ | • | | Reservoi Winfie | | | | | hering Conne lidstream | ection | _ | | |
| Completion Date 7/12/77 | | | | | | Plug Bac 2864 | k Total De | pth | h Packe Non | | Set at | <u> </u> | | | |
| Casing S 4.5 | Size | Weight 10.5 | | | 4.052 | | Diameter Set 286 | | | Perforations 2814 | | то 2825 | | | |
| Tubing Size 2.375 | | | Weight | | · <u>-</u> | Internal Diameter 1.995 | | Set at 2832 | | Perforations | | То | | | |
| Type Cor Single | | n (D | escribe) | | | Type Flui Water | id Production | n | | Pump Ur Yes | nit or Traveling | Plunger? Yes | / No | | |
| Producing Annulus | _ | (Anı | nulus / Tubi | ng) | | - % (| Carbon Diox | kide - | | % Nitrog | en | Gas G | ravity - | G, | |
| Vertical C 2868 | Pepth(l | 1) | • | _ | | | Pre | ssure Taps | | | | (Meter | Run) (F | Prover) Size | |
| Pressure | Buildu | p: : | Shut in | 1-0 | 2_2 | 014 at 2 | 8;00 | (AM) (PM) | Taken | 4-: | 20/ | 14, at 8, 0 | 50 | (AM) (PM) | |
| Well on L | ine: | | Started | | 20 | 0 at | | (AM) (PM) | Taken | | 20 | at | | (AM) (PM) | |
| | | | Cimio and | | D | | OBSERV | ED SURFAC | | - | | Duration of Shu | -in_ | Hours | |
| Static / Dynamic Property | | | Circle one: Meter Prover Pressure psig (Pm) | | Pressure Differential In Inches H ₂ 0 | Temperature Temperat | | | | Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia | | Duration (Hours) | | Liquid Produced (Barrels) | |
| Shut-In | .67 | 5 | | | | | | | 49.7 | | - | 34 | | | |
| Flow | | | | | | | | <u> </u> | | | | | | | |
| | | | | | | | FLOW ST | REAM ATTR | IBUTES | | | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psla | | Press Extension P _m x h | | Gravity Factor F ₀ | | Temperature Fa | | viation Metered Flow actor R F _{ev} (Mcfd) | | GOR (Cubic F Barre | eet/ | Flowing Fluid Gravity G _m | |
| | | | | | | | _ | | _ _ | | | | | | |
| (P _c)² = | - | · _: | (P _w)2: | = | : | (OPEN FLO | OW) (DELI\ | /ERABILITY % (I |) CALCUL P _c - 14.4) + | | : | |) ² = 0.2 | 207 | |
| (P _c) ² - (P | • | (P |)²- (P _w)² | 1 | se tomula 1 or 2: $P_c^2 - P_a^2$ $P_c^2 - P_a^2$ $P_c^2 - P_a^2$ $P_c^2 - P_a^2$ | LOG of formula 1, or 2. and divide by: | P.2-P.2 | Backpre Slo | ssure Curve pe = "n" -or signed ard Slope | | .oo [] | Antilog | O De | pen Flow Ilverability s R x Antilog (Mcfd) | |
| | | - | | | | / | · | | | | | <u> </u> | | | |
| Open Flow | v | | | | Mcfd @ 14.6 | 35 psia | | Deliverat | ility | | | Mcfd @ 14.65 ps | ia | | |
| | | | , and that s | aid r | eport is true | | | | - 24 | o make tinday of(| lugu | t and that he h | , | 20 14. | |
| | | | Witness : | | | | | _ | | _ | | KANSAS CO | RECEIV RPORAT | VED I <u>on Commiss</u> i | |
| | | | Ent Coun | . u daiUl | • | | | | | | Check | ked by | | | |

AUG 0 6 2014

| 1 | |
|---------|---|
| | declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request pt status ynder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. |
| | nat the foregoing pressure information and statements contained on this application form are true and |
| | of the best of my knowledge and belief based upon available production summaries and lease records |
| of equ | ipment installation and/or upon type of completion or upon use being made of the gas well herein named. |
| 11 | nereby request a one-year exemption from open flow testing for the Foster 1 |
| gas w | ell 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 |
| | |
| | urther agree to supply to the best of my ability any and all supporting documents deemed by Commission sometimes are correspond to the best of my ability any and all supporting documents deemed by Commission and all supporting documents deem and all supporting documents deemed by Commission and |
|)ate: _ | 8-4-14 |
| | |
| | |
| | Signature: Anich Ripley |
| | Title: Production 45515 tant |

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.