KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test: | | | | (See li | nstructions on Re | verse Side) | | | |
|--|-------------------------|---|--|--|---|---|--|----------------------|--|
| . Open f | -low | | | Test Date: | | | API No. 15 | | |
| Deliverabilty | | | 4-3-14 | | | 071-20675 | i-00-00 | | |
| Company Horseshoe | э Оре | erating, Ind |). | | Lease Floyd | | - 1 1 1 | 3 | Well Number |
| County Greeley | | | Section 24 | TWP 19S | | | | Acres Attributed 640 | |
| Field Bradshaw | | | Reservoir Winfield | | Ga D | Gas Gathering Connection DCP Midstream | | | |
| Completion Date 10/16/97 | | 'Plug Back Tota 2869 | l Depth | n Packer Set at | | - | | | |
| Casing Size 4.5 | | | Internal Diamet | | Set at 286 8 | | To 2843 | | |
| Tubing Size 2.375 | | | Internal Diamet | - | Set at Pe 2846 | | То | | |
| Type Complet Single - Ga | | escribe) | | Type Fluid Proc | fuction | Pu | mp Unit or Trave | ling Plunger? Yes | / No |
| Producing The | - 6 | | 3) | % Carbon | Dioxide | % | Nitrogen | Gas G | ravity - G _g |
| Vertical Depth | | | | · . | Pressure Taps |) _ | | (Meter | Run) (Prover) Size |
| Pressure Build | dup: | Shut in | 1-2 20 | 14 at 8. | 000 | | 4-3 | 20/4 at 8/ | 00 (AM)(PM) |
| Well on Line: | | Started | 20 | at | (AM) (PM) | Taken | | 20 at | |
| | | | | OBS | ERVED SURFAC | E DATA | · · · · · · · · · · · · · · · · · · · | Duration of Shut | -in_ <u>24</u> Hours |
| Dynamic S | rifice Size ches) | ize Meter Differential | | Flowing Well I Temperature Tempe | rature Wellhead | ľ | Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia | | Liquid Produced (Barrels) |
| Shut-In ,5 | 00 | | 2 | | pang | 44 | psig psia. | 24 | 1 |
| Flow | | | | | , - | | | - / " | |
| | | | | FLOW | STREAM ATTR | IBUTES | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | Pro | Circle one: Meter or ver Pressure psla | Press Extension ✓ P _m xh | Gravity Factor F ₀ | Flowing Temperature Factor F _{II} | Deviation Factor F _{pv} | | (Cubic Fe | eet/ Fluid |
| | | | | | | | • | - | |
| | , | | | (OPEN FLOW) (D | | • | | |)²= 0.207 |
| P _c) ² = | :- | (P _w) ² =_ | Choose formula 1 or 2: | P _d = | | 구 - 14.4) + 14. | 4=: | (P _d) |) ² = |
| $(P_c)^2 - (P_d)^2$ or $(P_c)^2 - (P_d)^2$ | (P | c)2 ~ (P _w)2 | 1. P _c ² -P _a ² 2. P _c ² -P _d ² fixided by: P _c ² -P _g ² | LOG of formula 1, or 2, and divide by: | Sto As | ssure Curve pe = "n" -or signed ard Slope | пх LOG | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
| | | | | , | | | | | |
| Open Flow | pen Flow Mcfd @ 14.65 | | psia Deliverability | | oility | Mcfd @ 14.65 psia | | | |
| | | | | Company, states t | - | $\frac{4}{}$ day | ake the above r of <u>UUJ</u> NICU | eport and that he h | as knowledge of, 20 |
| | | Witness (if | any) | | | 7 | | For Company | 7 |
| | | For Commis | ssion | | | | | Checked by · KANSAS | RECEIVED CORPORATION COMMIS |

AUG 0 6 2014

| | der penalty of perjury under the laws of the state of Kansas that I am authorized to request |
|-------------------|---|
| t | nder Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc. |
| | egoing pressure information and statements contained on this application form are true and |
| | st of my knowledge and belief based upon available production summaries and lease records |
| , - | taliation and/or upon type of completion or upon use being made of the gas well herein named. |
| i hereby req | uest a one-year exemption from open flow testing for the Floyd 3 |
| gas well on the o | grounds that said well: |
| (Chec | sk one) |
| . (2 | is a coalbed methane producer |
| <u> </u> | is cycled on plunger lift due to water |
| ř | 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 |
| 7 | is not capable of producing at a daily rate in excess of 250 mcf/D |
| L <u>*</u> |] 10 10 10 10 10 10 10 10 10 10 10 10 10 |
| I further agre | ee to supply to the best of my ability any and all supporting documents deemed by Commission |
| r - | ry to corroborate this claim for exemption from testing. |
| | · - |
| Date: 8-4 | '-14 |
| Date:/ | |
| | |
| | |
| | Oania Piala |
| | Signature: |
| • | , |
| | |
| | |

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.