## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Horseshoe Operating, Inc.  County Greeley C NW Section TWP RNG (E/W) A0W Field Reservoir Bradshaw U. Winfield DCP Midstream  Completion Date 12/1973 Plug Back Total Depth 2895 None  Casing Size Weight 4.5 9.5 4.09 2924 2841 2851  Tubing Size Weight Internal Diameter Set at 2 4.7 1.995 2852  Type Completion (Describe) Type Fluid Production Water  Find Production Water  Wineinger  TWP RNG (E/W) Reservoir Gas Gathering Connection DCP Midstream  Packer Set at Perforations To 4.5 Perforations To 2 4.7 1.995 2852  Type Completion (Describe) Type Fluid Production Water  Water  Weight Perforations To 4.5  Set at Perforations To 4.7  Type Fluid Production Water  Water  Water  Weight Annulus  Weight Pump Unit or Traveling Plunger? Yes Yes Rod  Roa Green  Annulus  | avity - G <sub>g</sub> Run) (Prover) Size  2 5 (AM) (PM)  (AM) (PM)                       |
|---|---|
| Deliverability  | Acres Attributed  / No avity - G <sub>g</sub> Run) (Prover) Size  2 5 (AM) (PM) (AM) (PM) |
| Horseshoe Operating, Inc.  County Location Greeley C NW 35 19S 40W  Field Bradshaw U. Winfield DCP Midstream  Completion Date 12/1973 2895 None  Casing Size Weight Internal Diameter Set at Perforations To 2 4.7 1.995 2852  Type Completion (Describe) Type Fluid Production Water Yes Rod  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Granulus  Vertical Depth(H) Pressure Taps (Meter Flange 3"  Well on Line: Started 20 at (AM) (PM) Taken 20 at Station (Fly) or (P <sub>n</sub> ) | Acres Attributed  / No avity - G <sub>g</sub> Run) (Prover) Size  2 5 (AM) (PM) (AM) (PM) |
| Greeley C NW 35 19S 40W  Field Reservoir Gas Gathering Connection DCP Midstream  Completion Date Plug Back Total Depth Packer Set at None  Casing Size Weight Internal Diameter Set at Perforations To 4.5 9.5 4.09 2924 2841 2851  Tubing Size Weight Internal Diameter Set at Perforations To 1.995 2852  Type Completion (Describe) Type Fluid Production Water Yes Rod  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Grannulus  Vertical Depth(H) Pressure Taps (Meter Flange 3"  Pressure Buildup: Shut in 5/2/ 20/2 at 2/2.5 (AM) PM) Taken 20/2 at 2/2.0  Well on Line: Started 20 at (AM) (PM) Taken 20 at Static (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub></sub>   | / No avity - G <sub>g</sub> Run) (Prover) Size 2.5 (AM) (PM) (AM) (PM)                    |
| Bradshaw  U. Winfield  DCP Midstream  Completion Date 12/1973  2895  Plug Back Total Depth 2895  None  Casing Size Weight 4.5  9.5  4.09  2924  2841  2851  Tubing Size Weight 4.7  1.995  2852  Type Completion (Describe)  Single  Producing Thru (Annulus / Tubing)  Vertical Depth(H)  Pressure Taps  Flange  Pressure Buildup: Shut in  Static / Orffice One: Meter Dynamic Dynamic Dynamic Dynamic Dynamic Dynamic Dynamic Dynamic Dynamic Property (Inches)  Static / Orffice Dynamic Size Meter Prover Pressure Tout Head (Inches)  Property (Inches)  Pressure Static / Orffice Dynamic Size Dynamic Prover Pressure Tout Inches (Inches)  Pressure Buildup: Shut In Differential Prever Pressure Temperature Temperature (P <sub>w</sub> ) or (P <sub>c</sub> ) or  | avity - G <sub>g</sub> Run) (Prover) Size  25 (AM) (M)  (AM) (PM)  in 24 Hour             |
| 12/1973   2895   None   | avity - G <sub>g</sub> Run) (Prover) Size  25 (AM) (M)  (AM) (PM)  in 24 Hour             |
| 4.5 9.5 4.09 2924 2841 2851  Tubing Size Weight Internal Diameter Set at Perforations To  1.995 2852  Type Completion (Describe) Type Fluid Production Water Yes Rod  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Granulus  Vertical Depth(H) Pressure Taps (Meter Flange 3"  Pressure Buildup: Shut in 5/2/20/2 at /2/25 (AM) (FM) Taken 20/2 at /2/2 at /2/2 (AM) (FM) Taken 20 at   Static / Orifice Orynamic Size Meter Prover Pressure Property (Inches) (In  | avity - G <sub>g</sub> Run) (Prover) Size  25 (AM) (M)  (AM) (PM)  in 24 Hour             |
| 2 4.7 1.995 2852  Type Completion (Describe) Type Fluid Production Water Yes Rod  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Granulus  Vertical Depth(H) Pressure Taps (Meter Flange 3"  Pressure Buildup: Shut in 5/2/20/2 at 12/25 (AM) PM Taken 20/2 at 20/2  | avity - G <sub>g</sub> Run) (Prover) Size  25 (AM) (M)  (AM) (PM)  in 24 Hour             |
| Single Water Yes Rod  Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gra  Annulus  Vertical Depth(H) Pressure Taps (Meter Flange 3"  Pressure Buildup: Shut in 5/2/20/2 at 12/25 (AM) (PM) Taken 5/20/2 at 20/2 at   | avity - G <sub>g</sub> Run) (Prover) Size  25 (AM) (M)  (AM) (PM)  in 24 Hour             |
| Annulus  Vertical Depth(H)  Pressure Taps  (Meter Fange 3"  Pressure Buildup: Shut in 5/21 20/2 at 12:25 (AM) (PM) Taken 5/22 20/2 at 13:6  Well on Line: Started 20 at (AM) (PM) Taken 20 at   | (AM) (PM) (AM) (PM) (AM) (PM) (AM) (PM)   |
| Pressure Buildup: Shut in 5/2/ 20/2 at 12/25 (AM) (PM) Taken 5/22 20/2 at 12/36  Well on Line: Started 20 at (AM) (PM) Taken 20 at   OBSERVED SURFACE DATA  Static / Orifice Dynamic Size Property (inches)  Property (inches)  Duration of Shut-  Temperature Temperature (Pw) or (P1) or (Pc) (Pw) or (P1) or (Pc) (Pw) or (P1) or (Pc)  Temperature the first of   | 25 (AM) (FM) (AM) (PM) in 24 Hour   |
| Well on Line: Started 20 at (AM) (PM) Taken 20 at   | (AM) (PM)<br>in <u>24</u> Hour  |
| Static / Orifice Dynamic Size Property (inches)  Static / Property (inches)  OBSERVED SURFACE DATA  Duration of Shut-  Flowing Temperature Temperature t Tem  | in_ <u>24</u> Hour  |
| Static / Orifice Dynamic Size Property (inches) Pressure Property (inches) Property (inches) Pressure Pressure Property (inches) Pressure Pressure Property (inches) Pressure   | 15.60   |
| Static / Orifice Dynamic Size Property (inches)  Static / Orifice Dynamic Size Property (inches)  Static / Orifice Dynamic Size Prover Pressure in  Temperature Te  | Liquid Produced   |
| Property (micries) pole (Pm) (mehod U.O.)   | (Barrels)   |
| Shut-in . 375 44.9 24   |   |
| Flow   ////   | -   |
| FLOW STREAM ATTRIBUTES  | <u> </u>  |
| Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd  Circle ane: Press Extension Factor F <sub>g</sub> F <sub>tt</sub> Prover Pressure psia  Press Extension Factor F <sub>g</sub> F <sub>tt</sub> Prover Pressure psia  Press Extension Factor F <sub>g</sub> F <sub>tt</sub> Prover Pressure Press F <sub>g</sub> F <sub>tt</sub> Proving Temperature Factor Factor F <sub>pv</sub> (Metered Flow GOR (Cubic Ference) Factor F <sub>pv</sub> (Mcfd)  Barrel)   | Flowing Fluid Gravity G <sub>m</sub>  |
|   |   |
|   | ² = 0.207   |
| Choose formula 1 or 2:  Backpressure Curve  Backpressure Curve  | Open Flow   |
| $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$  | Deliverability<br>Equals R x Antilog<br>(Mcfd)  |
|   |   |
|   |   |
| Open Flow Mcfd @ 14.65 psia Deliverability Mcfd @ 14.65 psia  | <u>a</u>  |
| The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he have the facts stated therein, and that said report is true and correct. Executed this the day of   | 20 /2   |
| Canice Risley   | RECEIVE   |
| Witness (if any) For Campany  | AUG 1 n 35  |
| For Commission Checked by   | RECEIVE<br>AUG 1 0 20<br>CC WICHIT  |

| . ( | I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Horseshoe Operating, Inc.  and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Wineinger 1  gas well on the grounds that said well: |
|-----|---|
|     | 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  |
|     | I further agree to supply to the best of my ability any and all supporting documents deemed by Commission   |
| \$  | staff as necessary to corroborate this claim for exemption from testing.  |
| [   | Date: 8/6/12  |
|     |   |
|     | Signature: Janice Ripley  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.