KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | 6 | 75T | | | (- | See Instruc | tions on Re | verse Side | ∍) | | | | | |
|-------------------------------------|-------------------------------|-----------------------------|---------------------------------------|--------------------------------|--|-------------------------------|--|--------------------|---|--------------------------|--|-----------------------|----------------------------------|-------------------------------|--|
| | en Flov liverabi | | \$SI | | | Test Date | : | | | | No. 15 1-20565-0 0 (| n.b | | | |
| Company | , | | ces. Inc. | | | 7/16/14 | | Lease Philbric | k | 18 | 1-20565-01 | 13-1 | Well Nu | umber | |
| | | | Section 14 | Section TWP | | | RNG (E. | /W) | | Acres Attributed | | | | | |
| Field F | | | | | Reservoir | Reservoir | | | | Gas Gathering Connection | | | | | |
| Goodlan Completic | | | | | · - | | Niobrara Plug Back Total Depth | | | | Branch Systems Inc. Packer Set at | | | | |
| 8/20/201 | 0 | - | | | | 1242' | | | | | | | | | |
| Casing Si 4 1/2" | ize | | Weig 10.5 | | | 4.000 | Internal Diameter Set at 4.000 1222' | | | 104 | rations 8' | то 1080 | 1080' | | |
| Tubing Si NONE | ze | | Weig | ht | | Internal C | Internal Diameter Set at | | | | orations | То | | | |
| Type Con Single (| | | | | | | Type Fluid Production Dry Gas | | | | Pump Unit or Traveling Plunger? Flowing | | |) | |
| - | • | (Ann | ıulus / Tubii | ng) | | % C | arbon Diox | ide | | % Nitrog | gen | | Gas Gravity - G _g | | |
| Annulus | | | | | T | | | .6 | | | rover) Size | | | | |
| Vertical Depth(H) 1317' | | | | Pressure Taps Flange | | | | | 2"2 | r Hun) (F | 10ver) 51ze | | | | |
| Pressure | Buildu | D: 8 | Shut in 7- | 15 | 2 | 0_14_at_9 | :30 | (AM) PM) | Taken_7- | ·16 | | 14 _{at} 9:40 | | (MA)(MA) | |
| Well on L | ine: | | Started 7- | | 2 | 0 <u>14</u> at <u>9</u> : | :40 | (AM)(PM) | Taken 7- | <u>.18</u> | 20 | 14 at 10:30 | | (MP) | |
| | | | | | | _ | OBSERVE | D SURFAC | E DATA | | | Duration of She | _{ut-in} 48 | Hours | |
| Static / Orifice Dynamic Size | | Meter Prover Pressure | | Pressure Differential in | Flowing Well Head Temperature | | Casing Wellhead Pressure (P _w) or (P ₁) or (P ₆) | | Tubing Wellhead Pressure (P_w) or (P_1) or (P_2) | | Duration (Hours) | | Liquid Produced (Barrels) | | |
| Property Shut-In | (inche | es) | psig (Pm |) | Inches H ₂ 0 | t | t | psig 12 | _{psia} 26.4 | psig | psia | | - | | |
| Flow | | _ | | | | | | 1 | 15.4 | <u> </u> | <u> </u> | 48 | 0 | | |
| | | | | | | | FLOW ST | L' | <u> </u> | .1 | | | | | |
| Plate | . 1 | | Circle one: | 1 | Press | Cva | | Flowing | 1 | riation | Metered Flor | w GO | | Flowing | |
| Coeffiecient | | Meter or Prover Pressure | | Extension Factor | | tor | Temperature Factor | | actor R | | (Cubic | Feet/ | Fluid Gravity | | |
| Mefd | P' | | psia ———— | + | ✓ P _m x h | | - | F ₁₁ | <u> </u> | F _{pv} | | | | G _m | |
| | | | | | | | | | | | 6 | | _ | l | |
| (P _c) ² = | | _: | (P _w) ² | = | ; | (OPEN FL | | /ERABILITY % (i | ") CALCUI P _o - 14.4) + | | : | | $(a_a)^2 = 0.2$ $(a_a)^2 = -0.2$ | 207 | |
| | _ ,, | | | Cho | ose formula 1 or 2 | " | <u> </u> | Backpre | ssure Curve | | Γ 7 | | 0 | pen Flow | |
| (P _c) ² - (I | | (P | ' _c)²- (P _w)² | | 1. P _a ² -P _a ² 2. P _c ² -P _d ² | LOG of formula 1. or 2. | | | pe ≈ "n" ~ or | - x u | LOG | Antilog | | liverability s R x Antilog | |
| (P _c) ² - (I | P _d) ² | | <u></u> | i | ded by: $P_c^2 - P_w$ | and divide | P _c ² - P _w ² | | ssigned fard Slope | | | | | (Mcfd) | |
| | | | | | | | | | | | | <u> </u> | _ | | |
| <u> </u> | , | | | | | | | | | | | | | | |
| Open Flo | w | | | | Mcfd @ 14. | .65 psia | | Deliveral | oility | | | Mcfd @ 14.65 p | osia | | |
| | | - | • | | | | | | | | | ort and that he | has knov | vledge of | |
| the facts s | tated th | nerei | n, and that | said | report is true | e and correc | | | | | | MAN | P | 20 | |
| | | | Witness | (if an | | | | MICH | | - De | yww. | Company | ille | 4 | |
| | | | For Con | nmissi | on | | LFR | 2 3 201 | 12 | | Che | ecked by | | | |

RECEIVED

| 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 Rosewood Resources, 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 Philbrick 13-14 |
|---|
| gas well 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 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. |
| FEB 2 3 2015 Title: Production Assistant RECEIVED |

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.

W2729

Philbrick 13-14

South Goodland

Goodland

None

July-14

FloBoss

| FIOBOSS | • | | | | |
|-----------|--------|------------|-----|------|---------------------------------|
| | Casing | | F | HRS | REMARKS |
| DATE | PSI | STATIC MCF | . I | OOWN | (Maximum length 110 characters) |
| 7/1/2014 | | 21 | 6 | 8 | |
| 7/2/2014 | 3 | 16 | 7 | 0 | |
| 7/3/2014 | 1 | 14 | 6 | 0 | |
| 7/4/2014 | 1 | 14 | 6 | 0 | |
| 7/5/2014 | 1 | . 14 | 6 | 0 | |
| 7/6/2014 | 1 | . 14 | -6 | 0 | |
| 7/7/2014 | 1 | 14 | 6 | 0 | |
| 7/8/2014 | 1 | 14 | 6 | 0 | |
| 7/9/2014 | · I | 14 | 6 | 0 | |
| 7/10/2014 | 1 | 14 | 6 | 0 | |
| 7/11/2014 | 1 | . 14 | 6 | 0 | |
| 7/12/2014 | 1 | . 14 | 6 | 0 | |
| 7/13/2014 | 1 | 14 | 6 | 0 | |
| 7/14/2014 | 1 | 14 | 6 | 0 | |
| 7/15/2014 | 1 | 14 | 6 | 0 | shut in for state |
| 7/16/2014 | 10 | 23 | 0 | 24 | |
| 7/17/2014 | 12 | 35 | 0 | 24 | opened up |
| 7/18/2014 | 1 | 14 | 6 | 0 | |
| 7/19/2014 | 1 | 14 | 6 | 0 | |
| 7/20/2014 | 1 | 14 | 6 | 0 | |
| 7/21/2014 | 1 | . 14 | 6 | 0 | |
| 7/22/2014 | 1 | . 14 | 6 | 0 | |
| 7/23/2014 | . 1 | 14 | 6 | 0 | |
| 7/24/2014 | 1 | 14 | 6 | 0 | |
| 7/25/2014 | 1 | 14 | 6 | 0 | |
| 7/26/2014 | 1 | 14 | 6 | 0 | |
| 7/27/2014 | 1 | . 14 | 6 | 0 | |
| 7/28/2014 | 1 | 14 | 6 | 0 | |
| 7/29/2014 | . 1 | 14 | 6 | 0 | |
| 7/30/2014 | 1 | 14 | 6 | 0 | |
| 7/31/2014 | 1 | 14 | 6 | 0 | |
| | | | | | |

175

Total

KCC WICHITA FEB 23 2015 RECEIVED W2729

Philbrick 13-14

South Goodland

Goodland

None

August-14

FloBoss

| | Casing | | | Н | RS | REMARKS |
|-----------|--------|-----------------|------|---|-----|---|
| DATE | PSI_ | ST <u>ATI</u> C | MCF_ | D | OWN | (Maximum length 110 characters) |
| 8/1/2014 | 1 | 14 | | 6 | 0 | ======================================= |
| 8/2/2014 | 1 | 14 | | 6 | 0 | |
| 8/3/2014 | 1 | 14 | | 6 | 0 | |
| 8/4/2014 | 1 | 14 | | 6 | 0 | |
| 8/5/2014 | 1 | 14 | | 6 | 0 | |
| 8/6/2014 | 1 | 14 | | 6 | 0 | |
| 8/7/2014 | 1 | 14 | | 6 | 0 | |
| 8/8/2014 | 1 | 14 | | 6 | 0 | |
| 8/9/2014 | 1 | 14 | | 6 | 3 | |
| 8/10/2014 | 1 | 14 | | 6 | 0 | |
| 8/11/2014 | 1 | 14 | | 6 | 0 | |
| 8/12/2014 | 1 | 14 | | 6 | 0 | |
| 8/13/2014 | 1 | 14 | | 6 | 0 | |
| 8/14/2014 | 1 | 14 | | 6 | 0 | |
| 8/15/2014 | 1 | 14 | | 6 | 0 | |
| 8/16/2014 | 1 | 14 | | 6 | 0 | |
| 8/17/2014 | 1 | 14 | | 6 | 0 | |
| 8/18/2014 | 1 | 14 | | 6 | 0 | |
| 8/19/2014 | 1 | 14 | | 6 | 0 | |
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| 8/22/2014 | 1 | 14 | | 6 | 0 | |
| 8/23/2014 | 1 | 14 | | 6 | 0 | |
| 8/24/2014 | 1 | 14 | | 6 | 0 | |
| 8/25/2014 | 1 | 14 | | 6 | 0 | |
| 8/26/2014 | 1 | 14 | | 6 | 0 | |
| 8/27/2014 | 1 | 14 | | 6 | 0 | |
| 8/28/2014 | 1 | 14 | | 6 | 0 | |
| 8/29/2014 | 1 | 14 | | 6 | 0 | |
| 8/30/2014 | 1 | 14 | | 6 | 0 | |
| 8/31/2014 | 1 | 14 | | 6 | 0 | |

Total 186

KCC WICHITA FEB 2 3 2015 RECEIVED W2729

Philbrick 13-14

South Goodland

Goodland

None

September-14

FloBoss

| FIODOSS | | | | | |
|-----------|--------|--------|-----|------|---|
| | Casing | | | HRS | REMARKS |
| DATE | PSI _ | STATIC | MCF | DOWN | (Maximum length 110 characters) |
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| 9/2/2014 | 1 | 14 | (| 5 0 | |
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| 9/30/2014 | | 1 14 | 1 | 5 0 | l e e e e e e e e e e e e e e e e e e e |
| 10/1/2014 | | | | 0 | |

Total 180

KCC WICHITA FEB 2 3 2015 RECEIVED