KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | | | | | | (| See Instruc | tions on Re | verse Side | 9) | | | | |
|---|-------------------------------|-------|--|---------------------|---|---|-------------------------------|---|--|--|-----------------------------|-----------------------------|---------------------|--|
| □ Ор | en Flo | w] | 图了 | | | Took Date | | | | ADI | No 15 | | | |
| De | liverab | ilty | | | | Test Date 7/30/14 |). | | | | No. 15 -20461-01-(| 00 | | |
| Company | | soui | ces, Inc. | | | | | Lease C. Ihrig | i | | | 32-2 ⁻ | Well Nu | mber |
| County Location Sherman SWNE/ | | | | Section 21 | TWP 7S | RNG (E/W) 39W | | | Acres Attributed 80 | | | | | |
| Field Goodlan | ıd | | | | | Reservoir Niobrara | | | | | nering Conn Systems In | | | |
| Completic 9/13/20 | | е | | | | Plug Bac 3264' | k Total Dep | th | | Packer S | et at | | | |
| Casing Size Weight 4 1/2" 10.5# | | | | Internal E 4.000 | Diameter | Set at 3264 ' | | Perforations 3179' | | то 3194 | то 3194' | | | |
| Tubing Si | ize | | Wei | ght | | Internal Diameter Set at | | | Perfo | ations | То | То | | |
| Type Con Single (| | | | | | Type Flui | d Productio | n | | Pump Un Flowin | it or Traveling | Plunger? Yes | No | |
| Producing | _ | (Anr | nulus / Tub | ing) | | % C | Carbon Diox | ide | | % Nitroge | en | Gas G .6 | ravity - 0 | à, |
| Vertical D | | l) | | | | | Pres Flan | ssure Taps | | | | | Run) (P | rover) Size |
| Pressure | Buildu | p: | Shut in 7 | -29 | 2 | 0 14 at 3 | | (AM (PM) | Taken 7- | 30 | 20 | 14 at 3:25 | | AM) (PM) |
| Well on L | .ine: | | Started 7 | -30 | | 0 14 at 3 | | (AM)(PM) | | | 20 | 14 at 4:10 | | AM) (PM) |
| | | | | | - | | OBSERVE | D SURFAC | E DATA | | | Duration of Shut | 24 | Hours |
| Static / Dynamic Property | Dynamic Size | | Circle one: Meter Prover Pressure psig (Pm) | | Differential | | Well Head Temperature t | Temperature Wellhead Pressure | | Tubing Wellhead Pressure (P _w) or (P _t) or (P _o) psig psia | | Duration (Hours) | | d Produced Barrels) |
| Shut-In | | | | | | | | 16 | 30.4 | | | | | - |
| Flow | | | | | | | | 6 | 20.4 | | | 24 | 0 | |
| | T | | | | | - | FLOW ST | REAM ATTR | IBUTES | 1 | | | | I |
| Plate Coeffiec (F _b) (F Mcfd | ient ,) | Pro | Circle one: Meter or over Pressure psia | , | Press Extension | Grav Fact | tor | Flowing Temperature Factor F ₁₁ | Fa | lation letor e pv | Metered Flor R (Mcfd) | w GOR (Cubic F Barrel | eet/ | Flowing Fluid Gravity G _m |
| | | | | | | | | | | | 18 | | | |
| (P _c)² ≃ | | : | (P) | ² = | : | • | | /ERABILITY % (F | - | .ATIONS · 14.4 = | : | |)² == 0.2)² == | 07 |
| (P _c) ² - (l | P _a) ² | (F | P _c) ² - (P _w) ² | Cho | cose farmula 1 or 2. 1. $P_c^2 - P_g^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_g^2$ | LOG of formula 1. or 2. and divide | | Backpre Sto | ssure Curve pe = "n" - or signed ard Slope | , , , | og [| Antilog | O; Del Equals | oen Flow iverability s R x Antilog (Mcfd) |
| | | | | | | | | | | | | | | |
| Open Flo | w –, | | • | | Mcfd @ 14. | 65 psia | | Deliverat | ility | | | Mcfd @ 14.65 p | sia | _ |
| | | | - | | | · - | | - | | _ | | ort and that he h | as know | ledge of |
| the facts s | stated ti | herei | in, and tha | said | report is true | e and correc | t. Executed | d this the <u>4</u> | <u>. </u> | day of $\frac{D}{2}$ | // | Marte | 6 | 20 <u>17</u> . |
| | | | Witne | ss (if ar | ıy) | K | CC-W | ICH!T: | 7 | acer | For | Company | ny | |
| | | | For Co | mmlssi | ion | | FEB 23 | 2015 | | | 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 |
| 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: 12/22/14 |
| FEB 2 3 2015 RECEIVED 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.

W2270 CAINTIG 32-21H...

North Goodland

Goodland

None

July-14

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

Total 540

KCC WICHITA FEB 23 2015 RECEIVED W2270

C. Ihrig 32-21H

North Goodland

Goodland

None

August-14

| | Casing | | | HRS | | REMARKS |
|-----------|--------|--------|-----|------|---|---------------------------------|
| DATE | PSI | STATIC | MCF | DOWN | | (Maximum length 110 characters) |
| 8/1/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/2/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/3/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/4/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/5/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/6/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/7/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/8/2014 | | 6 1 | 9 | 18 | 3 | |
| 8/9/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/10/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/11/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/12/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/13/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/14/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/15/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/16/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/17/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/18/2014 | | 6 1 | 9 | 19 . | 0 | |
| 8/19/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/20/2014 | | 6 1 | 9 | 19 | 2 | |
| 8/21/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/22/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/23/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/24/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/25/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/26/2014 | | 6 1 | 9 | 19 | 0 | |
| 8/27/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/28/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/29/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/30/2014 | | 6 1 | 9 | 18 | 0 | |
| 8/31/2014 | | 6 1 | 9 | 18 | 0 | |

Total

572

KCC WICHITA FEB 23 2015 RECEIVED <u>W</u>2270

Cylhrig 32-21H

North Goodland

Goodland

None

September-14

| | Casing | | | HI | RS | REMARKS |
|-----------|--------|--------|-----|----|-----|---------------------------------|
| DATE | PSI | STATIC | MCF | DO | OWN | (Maximum length 110 characters) |
| 9/1/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/2/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/3/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/4/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/5/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/6/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/7/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/8/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/9/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/10/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/11/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/12/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/13/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/14/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/15/2014 | | 6 1 | 9 | 18 | 0.5 | |
| 9/16/2014 | | 6 1 | 9 | 18 | 0 | |
| 9/17/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/18/2014 | | 6 1 | 9 | 17 | 0.5 | |
| 9/19/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/20/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/21/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/22/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/23/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/24/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/25/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/26/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/27/2014 | • | 6 1 | 9 | 17 | 0 | |
| 9/28/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/29/2014 | | 6 1 | 9 | 17 | 0 | |
| 9/30/2014 | | 6 1 | 9 | 17 | 0 | |
| 10/1/2014 | | | | | 0 | |

Total

526

KCC WICH!TA FEB 23 2015 RECEIVED