KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | | | | (| See Instruc | tions on Re | everse Side |)) | | | |
|---|----------------------------|---|---|------------------------------------|--|--|---|-----------------------|--------------------------------------|--------------------------------|---|
| Open Flow Deliverability | | | Test Date: API No. 15 | | | | | | | | |
| Deliverabilty | | | | | 6/2/2015 API No. 15 6/2/2015 181-20404- | | | | | 00(| |
| Company | | ources | | | | Lease Schme | edemann |) | | 31-01 | Well Number |
| County Sherman | n | Loca NWN | | Section 1 | | TWP 7S | | RNG (E/ | W) | | Acres Attributed 80 |
| Field Goodlan | nd | | | Reservoi Niobrara | | | | | hering Conn Systems In | | |
| Completic | | | | Plug Bac 1261' | k Total Dep | th | | Packer S | Set at | | |
| Casing S 4 1/2" | ize | Weig 10.5 | | Internal Diameter 4.052 | | Set at 1260.75' | | Perforations 1062' | | To 1086' | |
| Tubing Si | ize | Weig | ht | Internal Diameter Set at | | | Perfo | rations | То | | |
| | | (Describe) ntional) | | Type Flui Dry Ga | d Production | n | | Pump Ur Flowin | nit or Traveling | Plunger? Yes | / (No) |
| Producing | • | Annulus / Tubir | ng) | % C | arbon Dioxi | ide | | % Nitrog | en | Gas Gra | avity - G _g |
| Vertical D | epth(H) | | | | Pres Flan | sure Taps Ge | | | | (Meter F 2" | Run) (Prover) Size |
| Pressure | Buildup; | Shut in 6- | 1 2 | 15 at 8 | | <u> </u> | Taken 6- | 2 | 20 | 15 at 8:30 | (AM)(PM) |
| Well on L | | Started 6-2 | 2 20 | 15 at 8 | | (PM) | | | 20 | 15 at 9:15 | (AM)(PM) |
| | | | | | OBSERVE | D SURFAC | E DATA | | | Duration of Shut-i | n_24 Hours |
| Static / Dynamic Property | Orifice Size (inches | Meter Prover Press | Differential in | Flowing Temperature t | Well Head Temperature t | Wellhead (P _w) or (I | sing Pressure) or (P _c) | Wellhe | ubing ad Pressure (P_1) or (P_c) | Duration (Hours) | Liquid Produced (Barrels) |
| Shut-In | - | Para (in) | | | _ | gsig 36 | 50.4 | psig | psia | | |
| Flow | | | | | | 5 | 19.4 | | <u> </u> | 24 | 0 |
| | | | | 1 | FLOW STR | REAM ATTE | RIBUTES | | | | |
| Plate Coeffiec (F _b) (F Mcfd | ient | Circle one: Meter or Prover Pressure psia | Press Extension P _m x h | Grav Faci F ₄ | tor 1 | Flowing Temperature Factor F ₁ , | Fa | iation ctor pv | Metered Flov R (Mcfd) | w GOR (Cubic Fer Barrel) | et/ Flowing Fluid Gravity G _m |
| | | | | | | | | | 2 | | |
| | | _ | | (OPEN FL | OW) (DELIV | ERABILITY | ') CALCUL | ATIONS | | /D.\ | 0.007 |
| (P _c) ² = | | ; (P) ² : | =: | P _d = | | | , P, - 14.4) + | | _ ; | (P _a) ² | ! = 0.207 ! =_ |
| (P _c) ² - (F | _ | (P _c) ² - (P _w) ² | Choose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ² | LOG of formula 1, or 2, and divide | P _c ² -P _w ² | SIC As | essure Curve pe = "n" - or ssigned dard Slope | l n x I | _oo | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
| | | | | | | | _ | _ | | | |
| Open Flo | | | | 35 nela | | Deliveral | | _ | | | |
| | _ | | | | | | | | | | |
| | · | • | on behalf of the said report is true | and correc | t. Executed | this the 2 | 2 . | | e above repo ecember | ort and that he ha | 20 15 |
| | | | | | KCC \ APR | MiCH; | Tâ | | ull | Mai | tens |
| | | Witness | (if any) | | ΔPR | 07 201 | 6 / ' | | For C | Company | 1 |
| | | For Com | mission | | | | | | Chec | cked by | |

RECEIVED

| | penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. |
|------------------------|--|
| | ing pressure information and statements contained on this application form are true and |
| correct to the best of | of my knowledge and belief based upon available production summaries and lease records |
| of equipment instal | ation and/or upon type of completion or upon use being made of the gas well herein named. |
| I hereby reques | st a one-year exemption from open flow testing for the Schmedemann 31-01 |
| | unds that said well: |
| (0) | |
| (Check o | 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 |
| | |
| _ | 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. |
| - 40/00/4E | |
| Date: <u>12/22/15</u> | |
| | |
| | |
| | 11 \$5 |
| | KCC WICHITA Signature: Danuel Marting |
| | APR 0.7 2016 Title: Production Assistant RECEIVED |
| | APK UT 25 |
| | 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.

W2102 Schmedemann 31-01 North Goodland Goodland None June-15

| | Casing | | | HRS | REMARKS |
|-----------|--------|--------|-----|------|---------------------------------|
| DATE | PSI_ | STATIC | MCF | DOWN | (Maximum length 110 characters) |
| 6/1/2015 | 36 | 49 | 0 | 24 | |
| 6/2/2015 | 36 | 49 | C | 24 | |
| 6/3/2015 | 16 | 29 | 3 | 0 | |
| 6/4/2015 | 11 | 24 | 3 | 0 | |
| 6/5/2015 | 10 | 23 | 3 | 0 | |
| 6/6/2015 | 9 | 22 | 2 | . 0 | |
| 6/7/2015 | 9 | 21 | 2 | . 0 | |
| 6/8/2015 | 8 | 21 | 2 | 0 | |
| 6/9/2015 | 8 | 20 | 2 | . 0 | |
| 6/10/2015 | 7 | 20 | 2 | 0 | |
| 6/11/2015 | 7 | 19 | 2 | . 0 | |
| 6/12/2015 | 7 | 19 | 2 | 0 | |
| 6/13/2015 | 7 | 20 | 2 | . 4 | |
| 6/14/2015 | 7 | 19 | 2 | . 0 | |
| 6/15/2015 | 7 | 18 | 2 | 0 | |
| 6/16/2015 | 5 | 18 | 2 | 0 | |
| 6/17/2015 | 5 | 18 | 2 | 0 | |
| 6/18/2015 | 5 | 18 | 2 | 0 | |
| 6/19/2015 | 5 | 18 | 2 | 0 | |
| 6/20/2015 | 5 | 19 | 2 | 1 | |
| 6/21/2015 | 5 | 18 | 2 | . 0 | |
| 6/22/2015 | 5 | 18 | 2 | 0 | |
| 6/23/2015 | 5 | 18 | 2 | . 0 | |
| 6/24/2015 | 5 | 18 | 2 | 0 | |
| 6/25/2015 | 5 | 19 | 2 | 2 | |
| 6/26/2015 | 5 | 18 | 2 | 0 | |
| 6/27/2015 | 5 | 18 | 2 | 0 | |
| 6/28/2015 | 5 | 18 | 2 | . 0 | |
| 6/29/2015 | 5 | 17 | 2 | 0 | |
| 6/30/2015 | 5 | 17 | 2 | 0 | |
| 7/1/2015 | | 0 | 0 | 0 | |

Total 59

KCC WICHITA APR 0.7 2016 RECEIVED

W2102 Schmedemann 311-0111

North Goodland Goodland

None

July-14

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

Total 62

KCC WICHITA APR 0.7 2016 RECEIVED W2102

Schmedemann 3 1-01

North Goodland

Goodland

None

August-14

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

Total

62