KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | act | | (| See Instruc | tions on Rev | erse Side |) | | | | |
|--|------------------------------|-----------|---|--|--|-------------------------------|--|---------------------------------|---------------------|--|---|------------------------------|--|
| = : | en Flow | | ASL | | Test Date | | | No. 15 | _ | | | | |
| | liverabil | ıy | <u>-</u> | | 7/9/201 | 5 | Lease | | 023 | 3-20663-00 0 | <u> </u> | Vell Number | |
| Rosewoo | | our | ces, Inc. | | | | R. Walte | r | | | 32-21 | Aeli Idrilinei | |
| | | | | | Section 21 | | TWP 3S | | RNG (E 41W | ∕W) | | Acres Attributed 80 | |
| | | | | | | a | | | | hering Conn Systems In | | | |
| Completion Date 3/12/2006 | | | | | Plug Bac 1548' | k Total Dept | t h | | Packer S | Set at | | | |
| Casing Si 4 1/2" | | | | | Internal E 4.052 | Diameter | Set at 1549 | | 137 | | To 1402' | | |
| Tubing Si | | | Weight | | Internal [| | Set at | | | rations | To | | |
| Type Con Single (| Conve | enti | onal) | | Dry Ga | | | | Pump | nit or Traveling ing Unit | | / No | |
| Producing Annulus | | Anr | nulus / Tubing |) | % C | arbon Dioxi | ide | | % Nitrog | jen | .6 | avity - G _g | |
| Vertical D | epth(H) | | | | | Pres Flan | sure Taps ge | | | | (Meter F 2" | Run) (Prover) Size | |
| Pressure | Buildup | : 8 | Shut in <u>7-9</u> | | 15 at 1 | 0:45 | (AM)(PM) | Taken_7- | 10 | 20 | 15 at 10:55 | (AM)(PM) | |
| Well on L | | ; | Started 7-10 | . 2 | 0 at | 0:55 | (AM)(PM) | Taken <u>7-</u> | 11 | 20 | 15 at 11:45 | (AM) (PM) | |
| | | | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut-i | n_24 Hours | |
| Static / Dynamic Property | Dynamic Size Prover Pressure | | | Pressure Differential in Inches H ₂ 0 | Flowing Temperature t | Well Head Temperature t | (P _w) or (P ₁ | ressure or (P _c) | Wellhe | Tubing ead Pressure r (P _t) or (P _c) | Duration (Hours) | Liquid Produced (Barrels) | |
| Shut-In | | | paig (i iii) | mones 11 ₂ 0 | | | 173 | psi <u>a</u> 187.4 | psig | psia | | | |
| Flow | | | | | | | 38 | 52.4 | | | 24 | | |
| | | | , | | | FLOW STR | REAM ATTRII | BUTES | | - | <u> </u> | <u> </u> | |
| Plate Coefficcient (F _b)(F _p) Mcfd | | | Circle one: Meter or ver Pressure psia | Press Extension Pmxh | Grav Fac F _c | tor | Flowing Temperature Factor F _i | Fa | ation ctor pv | Metered Flow R (Mcfd) | GOR (Cubic Fed Barrel) | Flowing Fluid Gravity G_m | |
| | | | | | | | | | | 18 | | - | |
| | • | | | | (OPEN FL | OW) (DELIV | 'ERABILITY) | CALCUL | ATIONS | | (P _a) ² | = 0.207 | |
| (P _c) ² = | | <u>.:</u> | | Choose formula 1 or 2 | P _d = | | % (P, | , - 14.4) + | 14.4 = | : | (P _d) ² | = | |
| $ \begin{array}{c c} (P_c)^2 - (P_s)^2 & (P_c)^2 - (P_w)^2 \\ \text{or} \\ (P_c)^2 - (P_d)^2 \end{array} $ | | | 1. P _c ² -P _s ² 2. P _c ² -P _d ² fivided by: P _c ² -P _d | LOG of formula 1. or 2. and divide | P _c ² -P _w ² | Ślope Assi | sure Curve e = "n" or igned rd Slope | nx | rog | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | | |
| | | | | | | | | <u> </u> | | | | | |
| | | | | | | | | | | | | .1 | |
| Open Flo | w | | | Mcfd @ 14 | .65 psia | | Deliverabi | ity | | | Mcfd @ 14.65 psi | a | |
| | | | | | | | | | | he above repo Decemb er | ort and that he ha | | |
| the facts s | tated th | erei | n, and that sa | id report is tru | | | | | day of | mulb | 1 m/a | , 20 <u>15</u> | |
| | | | Witness (if | any) | | | ICHIIA | _ | <i>/</i> <u> </u> | For (| Company | uny | |
| | | | For Comm | ssion | | APR 07 | 2016 – | | | Che | cked by | | |

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| 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 |
| (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. |
| Date: _12/18/15 |
| APR 0 7 2016 RECEIVED Signature: Cull West trap 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.

W371 RWales 32:2114

St. Francis St. Francis Pumping Unit July-15

| | Tubing | Casing | | | | | | HRS | Water | | REMARKS |
|-----------|--------|--------|--------|----------|-----|------------|-------|------|--------------|---|---------------------------------|
| DATE | PSI | PSI | STATIC | MCF | SPN | Л | CYCLE | DOWN | BBLS | | (Maximum length 110 characters) |
| 7/1/2015 | | 38 | 52 | ? | 18 | 6 | 9.5 | (| _ | 7 | 7 |
| 7/2/2015 | | 38 | 52 | 2 | 18 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/3/2015 | | 38 | 52 | ! | 18 | 6 | 9.5 | | 1 | 7 | 7 |
| 7/4/2015 | | 38 | 52 | ! | 18 | 6 | 9.5 | |) | 7 | 7 |
| 7/5/2015 | | 38 | 52 | | 17 | 6 | 9.5 | (|) | 7 | 7 |
| 7/6/2015 | | 38 | 59 |) | 18 | 6 | 9.5 | . 2 | | 7 | 7 |
| 7/7/2015 | | 38 | 51 | | 18 | 6 | 9.5 | | 1 | 7 | 7 |
| 7/8/2015 | | 38 | 51 | | 18 | 6 | 9.5 | 16 | , | 7 | 7 turn off p u |
| 7/9/2015 | | 54 | 85 | ; | 6 | 6 | 9.5 | 24 | ļ | (| |
| 7/10/2015 | | 173 | 93 | } | 6 | 6 | 9.5 | 5 14 | | (|) |
| 7/11/2015 | | 76 | 90 | , | 7 | 6 | 9.5 | ; (|) | (| 0 |
| 7/12/2015 | | 65 | 8.5 | 5 | 17 | 6 | 9.5 | i (|) | (| Turned PU back on |
| 7/13/2015 | | 46 | 73 | 3 | 25 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/14/2015 | | 39 | 55 | 5 | 22 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/15/2015 | | 39 | 51 | | 20 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/16/2015 | | 39 | 52 | 2 | 19 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/17/2015 | | 39 | 51 | | 19 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/18/2015 | | 38 | 51 | l | 19 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/19/2015 | | 38 | 51 | l | 18 | ϵ | 9.5 | ; (|) | 7 | 7 |
| 7/20/2015 | | 38 | 50 |) | 18 | 6 | 9.5 | 5 (|) | 7 | 7 |
| 7/21/2015 | | 39 | 62 | 2 | 18 | 6 | 9.5 | 5 2 | <u>)</u> | 7 | 7 |
| 7/22/2015 | | 38 | 52 | 2 | 19 | 6 | 9.5 | i (|) | 7 | 7 |
| 7/23/2015 | | 38 | 51 | l | 19 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/24/2015 | | 38 | 51 | | 18 | ϵ | 9.5 | 5 (|) | 7 | 7 |
| 7/25/2015 | | 38 | 50 |) | 16 | 6 | 9.5 | ; (|) | 7 | 7 |
| 7/26/2015 | | 38 | 50 |) | 16 | 6 | 9.5 | 5 (|) | 7 | 7 |
| 7/27/2015 | | 37 | 50 |) | 16 | 6 | 9.5 | 5 (|) | (| pu off, no water |
| 7/28/2015 | | 31 | 49 |) | 16 | 6 | 9.5 | 5 (|) | (| 0 |
| 7/29/2015 | | 31 | 49 | | 16 | 6 | 9.5 | 5 (|) | (| 0 |
| 7/30/2015 | | 31 | 49 |) | 15 | 6 | | |) | (| 0 |
| 7/31/2015 | | 31 | 49 | | 15 | 6 | 9.5 | 5 (|) | (| 0 |

Total 523 154

KCC WICHITA APR 0.7 2016 RECEIVED

W371 R Waher 52-20

St. Francis St. Francis Pumping Unit August-15

| | Tubing | Casing | | | | | | HRS | Water | | REMARKS |
|-----------|--------|--------|------|--------|-----|---|-------|------|-------|---|--------------------------------|
| DATE | PSI | PSI | STAT | IC MCF | SPM | (| CYCLE | DOWN | BBLS | | (Maximum length 110 characters |
| 8/1/2015 | | | 37 | 50 | 17 | 6 | 9.5 | | 0 | 7 | · - |
| 8/2/2015 | | | 38 | 51 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/3/2015 | | | 39 | 52 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/4/2015 | | | 37 | 50 | 19 | 6 | 9.5 | | 0 | 7 | |
| 8/5/2015 | | | 37 | 50 | 19 | 6 | 9.5 | | 0 | 7 | |
| 8/6/2015 | | | 37 | 50 | 19 | 6 | 9.5 | | 0 | 7 | |
| 8/7/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/8/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/9/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/10/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/11/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/12/2015 | | | 37 | 50 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/13/2015 | | | 38 | 51 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/14/2015 | | | 38 | 51 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/15/2015 | | | 39 | 52 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/16/2015 | | | 41 | 54 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/17/2015 | | | 39 | 52 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/18/2015 | | | 39 | 52 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/19/2015 | | | 40 | 53 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/20/2015 | | | 40 | 53 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/21/2015 | | | 40 | 53 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/22/2015 | | | 41 | 54 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/23/2015 | | | 42 | 55 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/24/2015 | | | 42 | 55 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/25/2015 | | | 43 | 56 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/26/2015 | | | 41 | 54 | 18 | 6 | 9.5 | | 0 | 7 | |
| 8/27/2015 | | | 40 | 53 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/28/2015 | | | 39 | 52 | 17 | 6 | 9.5 | | 0 | 7 | |
| 8/29/2015 | | | 42 | 55 | 16 | 6 | 9.5 | | 0 | 7 | |
| 8/30/2015 | | | 45 | 58 | 15 | 6 | 9.5 | | 0 | 7 | |
| 8/31/2015 | | | 48 | 61 | 16 | 6 | 9.5 | | 0 | 7 | |

Total 534 217

KCC WICHITA APR 0.7 2016 RECEIVED W371

RWalter 32-21

St. Francis

St. Francis

Pumping Unit

September-15

| | Tubing | Casing | | | | | | HRS | Water | | REMARKS |
|-----------|--------|--------|-------------|-----|-----|---|-------|------------|-------------|---|--------------------------------|
| DATE | PSI | PSI | STATIC | MCF | SPM | | CYCLE | DOWN | BBLS | | (Maximum length 110 characters |
| 9/1/2015 | | | 58 7 | 1 | 15 | 6 | 9.5 | . (| | 7 | <u> </u> |
| 9/2/2015 | | | 36 4 | 9 | 20 | 6 | 9.5 | i (|) | 7 | |
| 9/3/2015 | | | 35 4 | 8 | 18 | 6 | 9.5 | (|) | 7 | |
| 9/4/2015 | | | 38 5 | 1 | 17 | 6 | 9.5 | (|) | 7 | |
| 9/5/2015 | | | 44 5 | 7 | 15 | 6 | 9.5 | i (|) | 7 | |
| 9/6/2015 | | | 48 6 | 1 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/7/2015 | | | 47 | 0 | 16 | 6 | 9.5 | (|) | 7 | |
| 9/8/2015 | | | 46 5 | 9 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/9/2015 | | | 46 5 | 9 | 18 | 6 | 9.5 | ; (|) | 7 | |
| 9/10/2015 | | | 37 5 | 0 | 18 | 6 | 9.5 | (|) | 7 | |
| 9/11/2015 | | | 41 5 | 4 | 16 | 6 | 9.5 | . (|) | 7 | |
| 9/12/2015 | | | 43 5 | 6 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/13/2015 | | | 42 5 | 5 | 16 | 6 | 9.5 | ; (|) | 7 | |
| 9/14/2015 | | | 44 5 | 7 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/15/2015 | | | 45 5 | 8 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/16/2015 | | | 47 6 | 0 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/17/2015 | | | 48 6 | 1 | 16 | 6 | 9.5 | ; (|) | 7 | |
| 9/18/2015 | | | 48 | I | 16 | 6 | 9.5 | ; (|) | 7 | |
| 9/19/2015 | | | 44 5 | 7 | 16 | 6 | 9.5 | ; (|) | 7 | |
| 9/20/2015 | | | 42 5 | 5 | 15 | 6 | 9.5 | , (| C | 7 | |
| 9/21/2015 | | | 44 5 | 7 | 15 | 6 | 9.5 | i (|) | 7 | |
| 9/22/2015 | | | 46 5 | 9 | 15 | 6 | 9.5 | i (| 0 | 7 | |
| 9/23/2015 | | | 47 <i>e</i> | 0 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/24/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | ; (| 0 | 7 | |
| 9/25/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | i (| C | 7 | |
| 9/26/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | ; (| C | 7 | |
| 9/27/2015 | | | | 0 | 16 | 6 | | | 0 | 7 | |
| 9/28/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | 5 (| 0 | 7 | |
| 9/29/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | i (|) | 7 | |
| 9/30/2015 | | | 0 6 | 0 | 16 | 6 | 9.5 | ; (| 0 | 7 | |
| 10/1/2015 | | | 0 | 0 | 0 | 0 | | | 0 | 0 | |

Total 486 210

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