KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | | | MSI | | (| See Instru | uctions on Re | verse Side |) | | e | | |
|--|---------------------|---|--|--|--|----------------------|--|---|------------------|--|----------------------------|--------------------------------|---|
| Dolivershilty | | | Test Date 2/4/2010 | | | -00 | | | | | | | |
| Company | | sou | rces | | | | Lease Trachs | el | | | 21-1 | Well Num | ber |
| County Location Sherman NWNE | | | Section 13 | Section TWF | | | | | | Acres Attributed | | | |
| Field | | | | Reservoir | Reservoir Niobrara | | | Gas Ga | thering Conn | | | | |
| Completion Date Plug | | | | Plug Bac 1145' | Plug Back Total Depth Packe | | | | | | | ···· | |
| Casing Size Weight 2 7/8" 6.5# | | | ! | Internal Diameter 2.441 | | | Set at 1146' | | orations | то 1028' | | | |
| Tubing Si none | ze | | Weigh | | Internal [| Diameter | Set a | То | | | | | |
| Type Com Single (| | | | | Type Flui Dry Ga | | tion | | Pump U Flowin | nit or Traveling | Plunger? Yes | / (No) | • |
| Producing Annulus | | (Anı | nulus / Tubing |) | % C | % Carbon Dioxide % | | | | gen | Gas G .6 | Gas Gravity - G _g | |
| Vertical D 1150' | epth(F | 1) | | | | | Pressure Taps (Meter Run) (Prover) Six Flange 2" | | | | | | ver) Size |
| Pressure | Buildu | ın. | Shut in 2-3 | | 20 10 at 9 | | _ (PM) | Taken 2- | 4 | 20 | 10 at 9:50 | | |
| Well on L | | • | Started 2-4 | | | 10 at 9:50 (PM) Take | | | | | | | |
| | | | | | | OBSER | VED SURFAC | E DATA | | | Duration of Shu | 72 | Hours |
| Static / Dynamic Property | namic Size | | Circle one: Meter Prover Pressu psig (Pm) | Pressure Differential in Inches H _a 0 | Flowing Well Head Temperature t | | Wellhead | (P _w) or (P _t) or (P _c) | | Tubing ead Pressure or (P ₁) or (P _c) psia | Duration (Hours) | | Produced arrels) |
| Shut-In | | | | | | | 10 | 24.4 | psig | paia | | | |
| Flow | | | | | | | 13 | 27.4 | | | 72 | 0 | |
| | | | · · · · · · · · · · · · · · · · · · · | | | FLOW S | TREAM ATTR | IBUTES | | 1 | | | |
| Plate Coefficient (F _b) (F _p) Modd | | Circle one: t Meter or Prover Pressure psia | | Press Extension P _m x h | Gravity Factor F _g | | Flowing Temperature Factor F ₁₁ | Deviation Factor F _{pv} | | Metered Flow R (Mcfd) | W GÓR (Cubic F Barre | eet/ | Flowing Fluid Gravity G _m |
| | | | | | | | | | | 6 | | | |
| P _c) ² = | | : | (P _w) ² = | | (OPEN FL | | IVERABILITY | ') CALCUL P _c - 14.4) + | | : | | $()^2 = 0.20$ $()^2 = 0.20$ | 7 |
| $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$ | | (P _c) ² - (P _w) ² | | Choose formula 1 or 2 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$ | P ² -P ² C C C C C C C C C C C C C C C C C C C | | Backpressure Curve Slope = "n" Assigned Standard Slope | | , n x | LOG | Antilog | Ope Deliv Equals | n Flow erability R x Antilog //cfd) |
| | | | | | | | | | | | | | · |
| Open Flo | w | | | Mcfd @ 14 | .65 psia | | Deliveral | oility | 1 | | Mcfd @ 14.65 p | sia | · |
| | | - | | n behalf of the | | | | | | the above repo December | ort and that;he h | | edge of |
| ie iacis s | ialeo 1 | шеге | m, and that Se | epon is tru | e and comed | . EXECUI | .eu (1115 [[]e | \overline{C} |)a | nnel | L Coe | W | \bigcup |
| | | | Witness (i | fany) | | | | 1 | / | For | KANSAS (| HECE CORPORAT | IVED TON COMM |
| | universal factories | | For Comm | ission | | | | | | Che | cked by | JAN 2 | 6 2011 |

| | eclare 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. |
| | t the foregoing pressure information and statements contained on this application form are true and |
| correct t | to the best of my knowledge and belief based upon available production summaries and lease records |
| | ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the |
| | I 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 |
| | rther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing. |
| | |
| Date: <u>1</u> | 2/16/10 |
| | |
| | |
| | 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.

KANSAS CORPORATION COMMISSION

W2264 Trachsel 21-13 North Goodland Goodland None February-10

| | Casing | | | HR | S | REMARKS |
|-----------|--------|--------|-----|----|-----|---------------------------------|
| DATE | PSI | STATIC | MCF | DC | WN | (Maximum length 110 characters) |
| 2/1/2010 | 10 |) 23 | 3 | 2 | 0 | cd |
| 2/2/2010 | 10 |) 23 | 3 | 0 | 22 | |
| 2/3/2010 | 12 | 2 2: | 5 | 0 | 24 | |
| 2/4/2010 | 13 | 3 20 | 5 | 0 | 24 | |
| 2/5/2010 | 1. | 3 20 | 5 | 8 | 0 | |
| 2/6/2010 | 12 | 2 2: | 5 | 5 | 1.5 | |
| 2/7/2010 | 10 | 2. | 3 | 4 | 1 | |
| 2/8/2010 | 10 |) 2: | 3 | 5 | 0 | |
| 2/9/2010 | 1 | 1 24 | 4 | 2 | 18 | |
| 2/10/2010 | 1 | 7 30 |) | 0 | 24 | |
| 2/11/2010 | 10 | 5 29 | 9 | 0 | 24 | |
| 2/12/2010 | 10 | 5 29 | 9 | 0 | 15 | |
| 2/13/2010 | 10 | 5 29 | 9 | 0 | 24 | |
| 2/14/2010 | 10 | 5 29 | 9 | 0 | 12 | |
| 2/15/2010 | 10 | 5 29 | 9 | 0 | 18 | |
| 2/16/2010 | 1 | 7 30 |) | 0 | 8 | |
| 2/17/2010 | 10 | 5 29 | 9 | .2 | 8 | |
| 2/18/2010 | 1: | 5 2 | 3 | 4 | 8 | |
| 2/19/2010 | 14 | 4 2 | 7 | 4 | 6 | |
| 2/20/2010 | 13 | 3 20 | 6 | 6 | 5 | |
| 2/21/2010 | 1: | 2 2: | 5 | 8 | 0 | |
| 2/22/2010 | 10 | 2: | 3 | 9 | 0 | |
| 2/23/2010 | 9 | 9 2: | 2 | 8 | 1 | |
| 2/24/2010 | 9 | 2: | 2 | 7 | 0 | |
| 2/25/2010 | 9 | 2: | 2 | 5 | 1.5 | |
| 2/26/2010 | 10 | 2: | 3 | 3 | 5.5 | |
| 2/27/2010 | ! | 9 2: | 2 | 7 | 1 | |
| 2/28/2010 | ! | 9 2: | 2 | 7 | 0 | |
| 3/1/2010 | (|) | 0 | 0 | 0 | |
| 3/2/2010 | | 0 | 0 | 0 | 0 | |
| 3/3/2010 | | 0 | 0 | 0 | 0 | |

Total 96

RECEIVED KANSAS CORPORATION COMMISSION

W2264
Trachsel 21-13
North Goodland
Goodland
None
March-10

| | Casing | - | | HRS | REMARKS |
|-----------|--------|--------|-----|------|---------------------------------|
| DATE | PSI | STATIC | MCF | DOWN | (Maximum length 110 characters) |
| 3/1/2010 | | 8 | 21 | 7 | 0 bp |
| 3/2/2010 | | 8 | 21 | 7 | 0 |
| 3/3/2010 | | 8 | 21 | 6 | 0 |
| 3/4/2010 | | 7 | 20 | 5 | 0 |
| 3/5/2010 | | 9 | 22 | 4 | 0 |
| 3/6/2010 | | 7 | 20 | 7 | 0 |
| 3/7/2010 | | 7 | 20 | 7 | 0 |
| 3/8/2010 | | 6 | 19 | 7 | 0 |
| 3/9/2010 | | 6 | 19 | 7 | 0 |
| 3/10/2010 | | 6 | 19 | 6 | 0 |
| 3/11/2010 | | 6 | 19 | 6 | 0 |
| 3/12/2010 | | 6 | 19 | 6 | 0 |
| 3/13/2010 | | 6 | 19 | 6 | 0 |
| 3/14/2010 | | 6 | 19 | 5 | 0 |
| 3/15/2010 | | 6 | 19 | 6 | 0 |
| 3/16/2010 | | 6 | 19 | 6 | 0 |
| 3/17/2010 | | 6 | 19 | 6 | 0 |
| 3/18/2010 | | 6 | 19 | 6 | 0 bp |
| 3/19/2010 | | 6 | 19 | 6 | 0 |
| 3/20/2010 | | 6 | 19 | 6 | 0 |
| 3/21/2010 | | 5 | 18 | 6 | 0 |
| 3/22/2010 | | 5 | 18 | 6 | 0 |
| 3/23/2010 | | 6 | 19 | 6 | 0 |
| 3/24/2010 | | 6 | 19 | 6 | 0 |
| 3/25/2010 | | 6 | 19 | 5 | 0 |
| 3/26/2010 | | 6 | 19 | 5 | 0 |
| 3/27/2010 | | 6 | 19 | 5 | 0 |
| 3/28/2010 | | 6 | 19 | 5 | 0 |
| 3/29/2010 | | 6 | 19 | 5 | 0 |
| 3/30/2010 | | 6 | 19 | 5 | 0 |
| 3/31/2010 | | 6 | 19 | 4 | 0 |

Total 180

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