KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | t: | DYCT | | (| See Instruc | tions on R | everse Side | ∍) | | | | | |
|--|--------------------------------|---|---|--|-----------------------------------|--|--|--|-----------------------------|----------------------------------|------------------------------------|---|--|
| _ : | en Flow | • | | Test Date | ə: | | | API | No. 15 | | | | |
| | eliverabil | ty | | 2/4/200 | 9 | | | 181 | -20362-00 | <u></u> | | ***** | |
| Company Rosewo | | ources | | | | Lease Duell | | | | 4-17 | Well N | umber | |
| County Location Sherman NESE | | | Section 17 | | | | RNG (E/W) 39W | | | Acres Attributed 80 | | | |
| Field Goodland | | | | Reservoir Niobrara | | | Gas Gathering Connection Branch Systems Inc. | | | | | | |
| Completic 9-21-200 | | | | Plug Bac 1179' | k Total Dep | th | | Packer S | Set at | | | | |
| Casing S 2 7/8" | Casing Size Weight 2 7/8" 6.5# | | Internal [2.441 | Diameter | Set at 1189' | | Perforations 994' | | то 1020' | | | | |
| Tubing Si none | ize | Weig | ht | Internal [| Diameter | Set | at | Perfo | rations | То | <u>~</u> | | |
| | | (Describe) entional) | | Type Flui Dry Ga | d Production | n | | Pump Ur Flowin | nit or Traveling g | Plunger? Yes | /(No |) | |
| Producing | • | Annulus / Tubir | ig) | % Carbon Dioxide | | | | % Nitrog | en | Gas G | Gas Gravity - G _g .6 | | |
| Vertical D | Depth(H) | | | | Pres Flan | sure Taps ge | | | | (Meter 2" | Run) (F | Prover) Size | |
| Pressure | Buildup | Shut in 2-3 | 3 2 | 09 at 1 | :40 | (AM) (AM) | Taken 2- | 4 | 20 | 09 at 1:55 | | (AM) (PM) | |
| Well on L | .ine: | Started 2-4 | | 0 09 at 1 | :55 | (AM) (PM) | Taken 2- | 5 | | 09 at 2:40 | | (AM) (PM) | |
| | | | | | OBSERVE | D SURFAC | E DATA | | | Duration of Shu | 72 | Hours | |
| Static / Dynamic Property | Oynamic Size Prover Pressure | | | Differential in Temperature Temperature | | Casing Wellhead Pressure (P _w) or (P _t) or (P _c) | | Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) | | Duration (Hours) | | Liquid Produced (Barrels) | |
| Shut-In | | y psig (Pm) | Inches H ₂ 0 | WW. 71. L | | psig 11 | psia 25.4 | psig | psia | | | | |
| Flow | | | | , . | | 14 | 28.4 | | | 72 | 0 | | |
| | | | ·r | | FLOW STR | EAM ATT | RIBUTES | ŀ | | | | | |
| Plate Coefficcient (F _b) (F _p) Mcfd | | Circle one: Meter or Prover Pressure psia | Press Extension ✓ P _m x h | Gravity Factor F _g | | Flowing Femperature Factor Ftt | perature Fa | | Metered Flov R (Mcfd) | w GOR (Cubic Feet/ Barrel) | | Flowing Fluid Gravity G _m | |
| | | | | | | , | | | 9 | | | | |
| (D)2 — | | : (P _w) ² = | | • | OW) (DELIV | | /) CALCUL P _c - 14.4) + | | | |) ² = 0.2 | 207 | |
| (P _c) ² = | | | Choose formula 1 or 2 | P _d = . | | T | essure Curve | | · | (F _d |)2 = | | |
| (P _c) ² - (F or (P _c) ² - (F | _ | (P _c) ² - (P _w) 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 by: | P _c - P _* 2 | Slo | pe = "n" - or ssigned dard Slope | n x I | .og | Antilog | Del Equals | oen Flow iverability is R x Antilog (Mcfd) | |
| | | | | | | | | | | | | | |
| Open Flov | <u> </u> | | Mcfd @ 14. | 65 psia | | Deliveral | oility | | | Mcfd @ 14.65 ps | sia | | |
| | | erein, and that s | aid report is true | | | | | | ovember | | f Liv | ledge of 20 09 VED ON COMMISSIO | |
| | | Witness (| | | | | | | | ked by | V 3 0 | 2009 | |

| | nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Rosewood Resources, Inc. |
|-----------------|--|
| | regoing pressure information and statements contained on this application form are true and |
| of equipment in | est of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the Duell 4-17 |
| | grounds that said well: |
| (Che | ock 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 |
| V | is not capable of producing at a daily rate in excess of 250 mcf/D |
| - | ree to supply to the best of my ability any and all supporting documents deemed by Commission ary to corroborate this claim for exemption from testing. |
| Date: 11/17/09 | |
| | Signature: |
| | Title: Froduction Foreman |

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.

RECEIVED

KANSAS CORPORATION COMMISS

NOV 3 0 2009

W400 Duell 4-17 North Goodland Goodland None February-09

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| | Casing | | | HR | es | REMARKS |
|-----------|--------|-------------|-----|----|-----|---------------------------------|
| DATE | PSI | STATIC | MCF | DC | OWN | (Maximum length 110 characters) |
| 2/1/2009 | 1 | 1 24 | ļ | 9 | 0 | |
| 2/2/2009 | 1 | 1 24 | ļ | 9 | 0 | |
| 2/3/2009 | 1 | 6 29 |) | 5 | 12 | |
| 2/4/2009 | 1 | 6 29 |) | 0 | 24 | |
| 2/5/2009 | 1 | 5 29 |) | 0 | 24 | |
| 2/6/2009 | 1 | 5 29 |) | 0 | 24 | • |
| 2/7/2009 | 10 | 5 29 |) | 0 | 10 | bp |
| 2/8/2009 | 14 | 4 27 | • | 8 | 0 | |
| 2/9/2009 | 14 | 4 27 | • | 8 | 0 | |
| 2/10/2009 | 14 | 1 27 | • | 9 | 5 | |
| 2/11/2009 | 14 | 4 27 | • | 7 | 2 | |
| 2/12/2009 | 14 | 4 27 | , | 9 | 0 | |
| 2/13/2009 | 12 | 2 25 | | 7 | 0 | |
| 2/14/2009 | 12 | 2 25 | | 7 | 0 | |
| 2/15/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/16/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/17/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/18/2009 | 13 | 3 26 | | 9 | 0 | bp |
| 2/19/2009 | 13 | 3 26 | | 9 | 0 | - |
| 2/20/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/21/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/22/2009 | 12 | 2 25 | | 9 | 0 | |
| 2/23/2009 | 12 | 25 | | 9 | 0 | |
| 2/24/2009 | 12 | 25 | | 9 | 0 | |
| 2/25/2009 | 12 | 25 | | 9 | 0 | |
| 2/26/2009 | 12 | 25 | | 9 | 0 | |
| 2/27/2009 | 12 | 2. 25 | | 9 | 6 | |
| 2/28/2009 | 12 | 25 | | 8 | 6 | |
| 3/1/2009 | | | | | 0 | |
| 3/2/2009 | | | | | 0 | |
| 3/3/2009 | | | | | 0 | |

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Total

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W400 Duell 4-17 North Goodland Goodland None March-09

| | Casing | | | HRS | | REMARKS |
|-----------|--------|--------|-----|------|---|---------------------------------|
| DATE | PSI | STATIC | MCF | DOWN | | (Maximum length 110 characters) |
| 3/1/2009 | 14 | 4 27 | , | 3 | 0 | |
| 3/2/2009 | 14 | 4 27 | • | 5 | 0 | |
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| 3/11/2009 | 14 | 1 27 | | 10 | 0 | |
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| 3/16/2009 | 11 | 24 | | 10 | 0 | |
| 3/17/2009 | 11 | 24 | | 10 | 0 | |
| 3/18/2009 | 11 | 24 | | 10 | 0 | |
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| 3/25/2009 | 11 | . 23 | | 10 | 0 | |
| 3/26/2009 | 11 | . 23 | | 10 | 0 | |
| 3/27/2009 | 11 | 23 | | 10 | 0 | |
| 3/28/2009 | 11 | 23 | | 10 | 0 | |
| 3/29/2009 | 11 | 23 | | 10 | 0 | |
| 3/30/2009 | 11 | 23 | | 9 | 0 | |
| 3/31/2009 | 11 | 23 | | 9 | 0 | |

Total 289

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