KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : en Flo | w | ØSI | | (| See Instruc | tions on Re | everse Side |) | | | | |
|---|--|-------|--|---|---|--------------------------------------|---|--|------------------|-----------------------------|--|---|--|
| Test Date: 7/9/2015 | | | | | | API No. 15 023-21270-00 00 | | | | | | | |
| Company | | sou | rces, Inc. | | | | Lease Zweyg | ardt | | | 42-24 | Well Number | |
| County Location Sect | | | | | Section 24 | <u></u> | TWP RNG (E/W) 3S 41W | | | Acres Attributed | | | |
| Field Cherry Creek | | | | | Reservoir Niobrara | | | | thering Conn | | | | |
| Completion 10/3/201 | | е | | | Plug Bac 1376' | k Total Dep | th | _ | Packer | Set at | | | |
| Casing Size Weight 4 1/2" 10.5# | | | Internal E 6.366 | Diameter | Set at 1413' | | Perforations 1184' | | то 1214' | | | | |
| Tubing Si | ize | | Weigh | t | Internal [| Diameter | Set | Set at Perforations | | orations | То | | |
| Type Con Single (| | | | | Type Flui Dry Ga | d Production | n | | Pump U flowin | nit or Traveling g | Plunger? Yes | (No) | |
| Producing Annulus | • | (Anı | nulus / Tubing | j) | % C | arbon Dioxi | de | | % Nitro | gen | Gas Gr | avity - G _g | |
| Vertical D 1425' | epth(H | | | | | Pres Flan | sure Taps ge | | _ | | (Meter I 2" | Run) (Prover) Size | |
| Pressure | Buildu | p: | Shut in 7-9 | 2 | o 15 at 5 | 15 at 5:55 (AM) (PM) T | | | 10 | 20 | 15 _{at} 6:10 | (AM((PM)) | |
| Well on L | ine: | | Started 7-10 | 02 | | 15 at 6:10 (AM) (PM) Taken 7- | | | | | | (AM)(PM) | |
| | | | | | _ | OBSERVE | D SURFAC | E DATA | | | Duration of Shut- | in 24 Hours | |
| Static / Dynamic Property | Static / Orifice Meter Diffe Dynamic Size Prover Pressure Property (inches) | | Pressure Differential in Inches H ₀ 0 | Flowing Well Head Temperature t | | 1 Mollhood Proceuro | | Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia | | Duration (Hours) | Liquid Produced (Barrels) | | |
| Shut-In | | _ | | | | | 115 | 129.4 | psig | pole | | | |
| Flow | | | | | · - | | 53 | 67.4 | | | 24 | | |
| | | | | , | | FLOW STF | REAM ATT | RIBUTES | | | | <u> </u> | |
| Plate Coefficeient (F _b) (F _p) Mcfd | | Pro | Circle one: Meter or Prover Pressure psia Press Extension P _m x h | | Gravity Factor F _g | | Flowing Temperature Factor F _{II} | emperature Factor F | | Metered Flov R (Mcfd) | v GOR (Cubic Fe Barrel) | Gravity | |
| | | | | | | | | | _ | 7 | | | |
| (P _c)² == | | _; | (P _w) ^z = | : | (OPEN FLO | OW) (DELIV | | /) CALCUL P _c - 14.4) + | | : | (P _a) (P _d) | ² = 0.207 ² = | |
| (P _e) ² - (F | | (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: $P_c^2 - P_a^2$ | LOG of formula 1, or 2. and divide | P.2- P.2 | Šlo A | essure Curve pe = "n" - or ssigned dard Slope | n x | roa | Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | _ | | | | | | | | | | | |
| Open Flor | <u>_</u> w | | | Mcfd @ 14. | 65 psia | | Delivera | bility | | | Mcfd @ 14.65 psi |] a | |
| The u | undersi | gne | d authority, or | n behalf of the | Company, s | states that h | e is duly a | uthorized to | o make t | he above repo | ort and that he ha | s knowledge of | |
| the facts st | tated th | nerei | n, and that sa | uid report is true | and correc | t. Executed | this the _1 | 8 | | December | 100.5 | , 20 <u>15</u> . | |
| | | | Witness (i | f any) | | KCC V | VICHI | TA | 200 | naul For | Mari Company | wj | |
| | | | For Comm | ission | | APR (| 7 2016 | | | Che | cked by | | |

RECE"/ED

| 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. 1 hereby request a one-year exemption from open flow testing for the Zweygardt 42-24 |
|---|
| gas well 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 vis 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 |
| KCC WICHITA APR 0 7 2016 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.

W2745 Zweygardu42-24

St. Francis

St. Francis

Flow

July-15

FloBoss

Total

| FloBoss | | | | | | | | |
|-----------|--------|--------|----------|-----|-------|------|-------|---------------------------------|
| | Tubing | Casing | | | | HRS | Water | REMARKS |
| DATE | PSI | | ATIC MCF | SPM | CYCLE | DOWN | BBLS | (Maximum length 110 characters) |
| 7/1/2015 | | 52 | 65 | 7 | | (| 0 | |
| 7/2/2015 | | 52 | 65 | 7 | | (| 0 | |
| 7/3/2015 | | 52 | 65 | 7 | | (| 0 | |
| 7/4/2015 | | 52 | 65 | 7 | | (| 0 | |
| 7/5/2015 | | 52 | 65 | 7 | | (| 0 | |
| 7/6/2015 | | 52 | 65 | 7 | | : | 2 | |
| 7/7/2015 | | 52 | 65 | 7 | | | 0 | |
| 7/8/2015 | | 52 | 65 | 7 | | 10 | | |
| 7/9/2015 | | 115 | 128 | 0 | | 2- | 4 | |
| 7/10/2015 | | 173 | 186 | 2 | | 14 | 4 | |
| 7/11/2015 | | 109 | 122 | 13 | | į | 0 | |
| 7/12/2015 | | 78 | 91 | 9 | | į | 0 | |
| 7/13/2015 | | 62 | 75 | 9 | | (| 0 | |
| 7/14/2015 | | 53 | 66 | 8 | | | 0 | |
| 7/15/2015 | | 54 | 67 | 8 | | | 0 | |
| 7/16/2015 | | 53 | 66 | 8 | | | 0 | |
| 7/17/2015 | | 53 | 66 | 8 | | | 0 | |
| 7/18/2015 | | 53 | 66 | 8 | | | 0 | |
| 7/19/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/20/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/21/2015 | | 54 | 67 | 8 | | ; | 2 | |
| 7/22/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/23/2015 | | 52 | 65 | 8 | | | 0 | |
| 7/24/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/25/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/26/2015 | | 51 | 64 | 8 | | | 0 | |
| 7/27/2015 | | 50 | 63 | 7 | | | 0 | |
| 7/28/2015 | 0 | 50 | 63 | 7 | | | 0 | |
| 7/29/2015 | | 50 | 63 | 7 | | | 0 | |
| 7/30/2015 | | 50 | 63 | 7 | | | 0 | |
| 7/31/2015 | | 50 | 63 | 7 | | | 0 | |
| | | | | | | | | |

228

KCC WICHITA APR 07 2016 RECEIVED

0

W2745 Zweygardi 42-24

St. Francis

St. Francis

Flow

August-15

FloBoss

| FIGBOSS | | | | | | | | , |
|-----------|--------|--------|------------|-----|-------|------|-------|---------------------------------|
| | Tubing | Casing | | | | HRS | Water | REMARKS |
| DATE | PSI | PSI | STATIC MCI | SPM | CYCLE | DOWN | BBLS | (Maximum length 110 characters) |
| 8/1/2015 | | 48 | 61 | 7 | | | 0 | |
| 8/2/2015 | | 45 | 58 | 7 | | | 0 | |
| 8/3/2015 | | 45 | 58 | 7 | | | 0 | |
| 8/4/2015 | | 45 | 58 | 7 | | | 0 | |
| 8/5/2015 | | 44 | 57 | 7 | | | 0 | |
| 8/6/2015 | | 44 | 57 | 7 | | | 0 | |
| 8/7/2015 | | 45 | 58 | 7 | | | 0 | |
| 8/8/2015 | | 45 | 5 58 | 7 | | | 0 | |
| 8/9/2015 | | 45 | 58 | 7 | | | 0 | |
| 8/10/2015 | | 48 | 61 | 7 | | | 0 | |
| 8/11/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/12/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/13/2015 | | 55 | 68 | 7 | | | 0 | |
| 8/14/2015 | | 55 | 68 | 7 | | | 0 | |
| 8/15/2015 | | 55 | 68 | 7 | | | 0 | |
| 8/16/2015 | | 56 | 69 | 7 | | | 0 | |
| 8/17/2015 | | 56 | 69 | 7 | | | 0 | |
| 8/18/2015 | | 55 | 68 | 7 | | | 0 | |
| 8/19/2015 | | 54 | | 7 | | | 0 | |
| 8/20/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/21/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/22/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/23/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/24/2015 | | 54 | 67 | 7 | | | 0 | |
| 8/25/2015 | | 57 | 70 | 7 | | | 0 | |
| 8/26/2015 | | 57 | 7 70 | 7 | | | 0 | |
| 8/27/2015 | | 57 | 7 70 | 7 | | | 0 | |
| 8/28/2015 | | 57 | | 7 | | | 0 | |
| 8/29/2015 | | 57 | | 7 | | | 0 | |
| 8/30/2015 | | 57 | 7 70 | 7 | | | 4 | |
| 8/31/2015 | | 57 | | 7 | | | 0 | |

217 0 Total

> KCC WICHITA APR 07 2016 RECEIVED

W2745

Zweygardi 42-24

St. Francis

St. Francis

Flow

September-15

FloBoss

| FloBoss | Tr. 1.2 | | | | | TIDO | \$\$7-4- | DEMARKS |
|-----------|---------|--------|------------|-----|-------|------|----------|---------------------------------|
| DATE | Tubing | Casing | TATIO MOT | CDM | CVCLE | HRS | Water | REMARKS |
| DATE | PSI | | STATIC MCF | SPM | CYCLE | DOWN | BBLS | (Maximum length 110 characters) |
| 9/1/2015 | | 51 | 64 | 7 | | | 0 | |
| 9/2/2015 | | 51 | 64 | 7 | | | 0 | |
| 9/3/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/4/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/5/2015 | | 61 | 74 | 7 | | | 0 | |
| 9/6/2015 | | 62 | 75 | 7 | | | 0 | |
| 9/7/2015 | | 59 | 72 | 7 | | | 0 | |
| 9/8/2015 | | 59 | 72 | 7 | | | 0 | |
| 9/9/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/10/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/11/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/12/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/13/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/14/2015 | | 53 | 66 | 7 | | 1 | 0 | |
| 9/15/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/16/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/17/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/18/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/19/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/20/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/21/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/22/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/23/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/24/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/25/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/26/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/27/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/28/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/29/2015 | | 53 | 66 | 7 | | | 0 | |
| 9/30/2015 | | 53 | 66 | 7 | | | 0 | |
| 10/1/2015 | | 22 | 13 | • | | | 0 | |

Total 210 0

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