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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | | (| See Instruct | tions on Re | everse Side | e) | | | | | |
|--|-----------------------------|---|--|---|----------------|--|---|--|-----------------------------|--------------------------------------|----------------------------------|---|--|
| Open Flow | | | Test Date: | | | | API | No. 15 | | | | | |
| ✓ Deliverabilty | | | 12/04/13 | | | | | 075-10074-0 | 00-00 | | | | |
| Company Linn Operating Inc | | | | Lease HCU | | | | 29 | | | Well Number | | |
| County Location Hamilton SE | | | Section 29 | | TWP 22S | | RNG (E/W) 41W | | Acres Attribute 640 | | tributed | | |
| Field Bradshaw | | | Reservoi Winfield | - | | | Gas Gathering Con Oneok Field Servi | | | | | | |
| Completion Date 12/6/63 | | | Plug Bac 2664' | k Total Dept | th | Packer Set at | | Set át | | | | | |
| Casing Si 4.5 | asing Size Weight 5 9.5 | | | Internal [4.090" | Diameter | Set at 2670' | | Perforations 2627' | | To 2634' | | | |
| Tubing Si 2 3/8 | Size Weight 4.7 | | Internal Diameter 1.995 | | Set at 2661' | | Perforations | | То | | | | |
| Type Completion (Describe) Single Gas | | | Type Fluid Production Gas - Water | | | | Pump Unit or Traveling Plunger? Yes / No Pump Yes | | | | | | |
| Producing Thru (Annulus / Tubing) Annulus | | | | % Carbon Dioxide | | | | % Nitrog | en | Gas Gravity - G _g .780 | | | |
| Vertical Depth(H) 2630 | | | | Pressure Taps Flange | | | , | | | , | (Meter Run) (Prover) Size 2.067" | | |
| | | | 0_13_at_1 | | | | 2/04 13 11·00 AM | | | AM) (PM) | | | |
| Well on L | ine: | Started | 2 | 0 at | | (AM) (PM) | Taken | - | 20 | at | (/ | \М) (PM) | |
| | | | | | OBSERVE | D SURFAC | | 7 | | Duration of Shut | in 24 | Hours | |
| Static / Dynamic Property | Orifice Size (inches) | Circle one: Meţer Prover Pressui psig (Pm) | Pressure Differential re in Inches H ₂ 0 | Flowing, Well Head Temperature t | | Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia | | Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia | | Duration (Hours) | 1 | Liquid Produced (Barrels) | |
| Shut-In | | | | | | 42 56.4 | | Pump | | 24 | 24 | | |
| Flow | | | | | | | | | | | | | |
| | | | | | FLOW STR | REAM ATTE | RIBUTES | | | | | | |
| Plate Coeffiecient (F _b) (F _p) Mcfd | | Circle one: Meter or Irover Pressure psia | Press Extension P _m xh | Grav Fac F | tor . | Flowing Temperature Factor F _{ft} | mperature Factor F | | Metered Flow R (Mcfd) | w GOR (Cubic Fe Barrel) | | Flowing Fluid Gravity G _m | |
| | | | | | | | | | | | | | |
| (P _c) ² = | | (P _w) ² =_ | | (OPEN FL | OW) (DELIV | | /) CALCUL P _e - 14.4) + | | | (P _a) | $r^2 = 0.20$ $r^2 = 0.20$ |)7 | |
| (P _c) ² - (F | ⊃ _a)² | (P _c) ² - (P _w) ² | 2. P _c ² - P _d ² | LOG of formula 1, or 2. and divide | | Backpressure Curv Slope = "n" or Assigned | | n x | LOG | Antilog | Op Deli Equals | en Flow verability R x Antilog Mcfd) | |
| | | C | livided by: $P_c^2 - P_w^2$ | by: | | Ştanc | dard Slope | | | | , | | |
| | | | | | | | | | | | | | |
| Open Flow . Mcfd @ 14. | | | 65 psia | | Deliverability | | Mcfd @ 14.65 psia | | | | | | |
| The u | undersign | ed authority, on | behalf of the | Company, s | states that h | ie is duly a | uthorized t | o make th | ne above repo | ort and that he ha | as knowl | edge of | |
| he facts st | tated ther | ein, and that sa | id report is true | and correc | t. Executed | this the 5 | th | day of _D | ecember | • | , 2 | 0 13 | |
| | | Witness (if | any) | | | - | M | Mus | -4/- For C | UN K | CC V | VICH | |
| | | | | | | • | | | | | | | |
| | | For Commis | ssion | | | | | | Chec | cked by | DEC | 3 2013 | |

| I declare under penalty of perjury under the laws of the state of Kansas that I exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Linn Operating, | ** |
|--|---------------------------|
| | |
| and that the foregoing pressure information and statements contained on this app | |
| correct to the best of my knowledge and belief based upon available production sum | |
| of equipment installation and/or upon type of completion or upon use being made of t | • |
| I hereby request a one-year exemption from open flow testing for the HCU 292 | • • |
| gas well on the grounds that said well: | • |
| (Charle and | |
| (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 underg | |
| 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/I | D |
| | |
| I further agree to supply to the best of my ability any and all supporting docume | ents deemed by Commission |
| staff as necessary to corroborate this claim for exemption from testing. | |
| | |
| Date: 12/5/13 | |
| | |
| | |
| | |
| 11 | |
| Signature: What ful | ldrein |
| Title: Regulatory Compliance Advi | risor |
| | |
| | |
| | |

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.

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DEC 13 2013
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