RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | | | (| See Instruc | tions on Re | verse Side | e) | | | | | |
|--|----------------------------|---|--|--|-----------------------------------|---|--|---|--|-----------------------------|------------------------------|--------------------------------|---|--|
| Ор | en Flow | | | | | | | | | N- 45 | | | | |
| ✓ Deliverabilty | | | | | Test Date: 11/21/13 | | | | | No. 15 075-20593-(| 00-00 | | | |
| Company Linn Operating Inc | | | | | | Lease HCU | | | | | | Well Number 2421-C | | |
| County Location Hamilton SE SE NW NW | | | | Section 24 | | TWP 22\$ | | RNG (E/W) 41W | | Acres Attributed 640 | | | | |
| Field Bradshaw | | | | | Reservoir Winfield | | | Gas Gathering Connection Oneok Field Services | | | | | | |
| Completion Date 6/18/96 | | | | Plug Bac 2791 | Plug Back Total Depth 2791 | | | | Set at | | | | | |
| Casing Size Weight 4.5 9.5 | | | Internal (4.090 | Internal Diameter 4.090 | | Set at 2836 | | Perforations 2659 | | то 272 0 | | | | |
| Tubing Size Weight 2 3/8 4.7 | | | | Internal (| Internal Diameter 1.995 | | Set at 2762 | | Perforations | | То | | | |
| Type Completion (Describe) Single Gas | | | | 7. | Type Fluid Production Gas - Water | | | Pump Unit or Traveling Plunger? Yes / No Yes | | | | | | |
| Producing Thru (Annulus / Tubing) Annulus | | | | % C | % Carbon Dioxide | | | % Nitrog | en | Gas | Gas Gravity - G _g | | | |
| Vertical Depth(H) | | | | | | Pressure Taps Flange | | | | | (Met | er Run) (F | Prover) Size | |
| 2836 Pressure | Buildun: | Shut in | 11/20 | | 0 13 at 1 | | | Taken 1 | 1/21 | 20 | 2.0 13 _{at} 11:0 | ΛΛΛ. | (AM) (PM) | |
| Well on Li | • | | | | | | | | | | at | | | |
| | | | | | | OBSERVE | ED SURFAC | E DATA | | | Duration of Sh | nut-in 24 | Hours | |
| Static / Dynamic Property | Orifice Size (inches | Me Prover P | Circle one: Meter Prover Pressure psig (Pm) | | Flowing Temperature t | Well Head Temperature t | 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 | | Poly | | Inches H ₂ 0 | | | psig 38 | 52.4 | Pump | . psia | 24 | | ··· | |
| Flow | | | | | | | | | | | | | | |
| | ··· | | | | · • | FLOW STE | REAM ATTR | IBUTES | | | | | | |
| Plate Coeffieci (F _b) (F Mcfd | ent ,) | Circle one: Meter or Prover Pressure psia | | Press Extension P _m xh | Grav Fac F _s | tor Temperature | | Deviation Factor F _{pv} | | Metered Flow R (Mcfd) | (Cubic | GOR (Cubic Feet/ Barrel) | | |
| | | | | | | | | | | | | | | |
| P _c) ² = | | : (P | w)2 = | : | • | , , | /ERABILITY % (F |) CALCUL 구 - 14.4) + | | : | | $P_a^2 = 0.5$ $P_d^2 = 0.5$ | 207 | |
| (P _c) ² - (F or (P _c) ² - (F | | (P _c) ² - (P _w) ² | | $ \begin{array}{c ccccccccccccccccccccccccccccccccccc$ | | P _c ² - P _w ² | Backpressure Curve Slope = "n" or Assigned Standard Slope | | n x 10G | | Antilog | De | Open Flow Deliverability Equals R x Antilog (Mcfd) | |
| | | | | | | | | | | | | | | |
| Open Flow Mcfd @ 14.65 psia | | | | | | | Deliverability | | | Mcfd @ 14.65 psia | | | | |
| | | ed authori | tv. on b | | | states that h | | | o make th | | rt and that he | | vledge of | |
| | | | | report is true | | | | | | ecember | , | | 20 <u>13</u> . | |
| | | | | | ٠. | | | M | han | - H | ribre | 4 | • | |
| | | Witi | ness (if an | y) | | | | | | For C | Company | KCC | WICH | |
| | | For | Commission | on . | | | | | | Chec | cked by | DEC | 1 3 201 | |

| 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 Linn Operating, 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 HCU 2421-C |
| gas well on the grounds that said well: |
| 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: 12/13 |
| |
| Signature: Shaw Heisett |
| Title: Regulatory Compliance Advisor |
| |

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.

KCC WICHITA

DEC 13 2013

RECEIVED