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## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test   | :<br>en Flov | v          |   | 5                                    | (   | See Instruc                         | ctions on Re  | verse Side      | )  |                                      | · .                                       |  |
|---|--------------|------------|---|--------------------------------------|---|-------------------------------------|---|-----------------|--|--------------------------------------|---|--|
| ✓ Deliverabilty   |              |            | 1 .   | Test Date:<br>12/04/13               |   |                                     |   |                 | No. 15<br>075-20117-0  | 00-00                                |   |  |
| Company<br>Linn Operating Inc                               |              |            |   | Lease<br>HCU                         |   |                                     | Well Number 2831  |                 |  |                                      |   |  |
| County Location Hamilton SE SE                              |              |            | ın  | Section .<br>28                      |   | TWP<br>23S                          |   |                 | W)   | Acres Attributed 640                 |   |  |
| FieldBradshaw   |              |            | Reservoir<br>Winfield   |                                      |   | Gas Gathering Co<br>Oneok Field Ser |   | •               |  |                                      |   |  |
| Completion Date 9/0276                                      |              |            |   | Plug Bac<br>2373                     | k Total Dep   | oth                                 |   | Packer Set at   |  | -                                    |   |  |
| Casing Size<br>4.5  |              |            | Weight<br>10.5  | Weight<br>10.5                       |   | Internal Diameter 4.052             |   | Set at<br>2373' |  | rations<br>8'                        | то<br>2355'                               |  |
| Tubing Size<br>2 3/8  |              |            | Weight 4.7  |                                      | Internal Diameter<br>1.995                                |                                     | Set at 2353'  |                 | Perforations   |                                      | То  |  |
| Type Completion (Describe) Single Gas                       |              |            | •   | Type Fluid Production Gas - Water    |   |                                     |   | Pump            |  | g Plunger? Yes / No<br>Yes           |   |  |
| Producing Thru (Annulus / Tubing) Annulus                   |              |            |   | % Carbon Dioxide                     |   |                                     |   | % Nitrogen      |  | Gas Gravity - G <sub>s</sub><br>.810 |   |  |
| Vertical Depth(H) 2347                                      |              |            |   | Pressure Taps Flange                 |   |                                     |   |                 |  | (Meter F<br>2.067'                   | Run) (Prover) Size                        |  |
| Pressure  | Buildur      | <b>o</b> : | Shut in 12/0  | 3 20                                 | 13 at 1   | 1:00 AM                             | . (AM) (PM)   | Taken 12        | 2/04   | 20                                   | 13 at 11:00 A                             | AM (AM) (PM)                                       |
| Well on L   | ine:         |            | Started   | 20                                   | at  |                                     | . (AM) (PM)   | Taken           |  | 20                                   | at  | (AM) (PM)  |
|   |              |            |   |                                      |   | OBSERVE                             | ED SURFAC   | E DATA          |  |                                      | Duration of Shut-i                        | n_24 Hours   |
| Static /<br>Dynamic<br>Property                             | namic Size   |            | Circle one:  Meter Prover Pressure psig (Pm) Pressure Differential in Inches H <sub>2</sub> 0 |                                      | Flowing Well Head Temperature                             |                                     | $(P_w)$ or $(P_t)$ or $(P_c)$   |                 | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) |                                      | Duration<br>(Hours)                       | Liquid Produced<br>(Barrels)                       |
| Shut-In   | Shut-In      |            | posy ()   |                                      |   |                                     | psig<br>65  | 79.4            | Pump   |                                      | 24  |  |
| Flow  |              |            |   | ·                                    |   |                                     |   |                 |  |                                      |   |  |
| Dist  |              |            | Circle one:   |                                      |   | FLOW STI                            | Flowing   | IBUTES          |  |                                      |   |  |
| Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd |              | Pro        | Meter or<br>over Pressure<br>psia   | Press<br>Extension P <sub>m</sub> xh | . Grav<br>. Fact<br>F <sub>s</sub>                        | or                                  | Temperature Factor F <sub>f1</sub>  |                 | Deviation Meter<br>Factor<br>F <sub>pv</sub>   |                                      | y GOR<br>(Cubic Fee<br>Barrel)            | Flowing Fluid Gravity G <sub>m</sub>               |
|   |              |            |   |                                      |   |                                     |   |                 |  |                                      |   |  |
| (D.)2   |              |            | (D. )2  |                                      | •   |                                     | /ERABILITY  | -               |  |                                      |   | = 0.207  |
| or  |              |            | $ \frac{(P_{w})^{2} =                                   $                                     |                                      | P <sub>d</sub> =  LOG of formula. 1. or 2. and divide by: |                                     | % (P <sub>c</sub> - 14.4) +  Backpressure Curve Slope = "n"or Assigned Standard Slope |                 |  |                                      | (P <sub>d</sub> ) <sup>2</sup><br>Antilog | Open Flow Deliverability Equals R x Antilog (Mcfd) |
|   |              |            |   |                                      |   |                                     |   |                 |  |                                      |   |  |
|   |              |            |   |                                      |   |                                     |   |                 |  |                                      |   |  |
| Open Flo  | w            |            |   | Mcfd @ 14.6                          | 55 psia   |                                     | Deliveral   | oility          |  |                                      | Mcfd @ 14.65 psia                         | <u> </u>   |
|   |              |            |   | behalf of the o                      |   |                                     |   |                 |  | e above repo<br>ecember              | rt and that he has                        | s knowledge of, 20 13                              |
| 14010 3   |              |            | ,   |                                      | CONFO   |                                     |   | N               | han  | -#                                   | - LILL KE                                 | C-WICHIT   |
| <del></del>   |              |            | Witness (if   | any)                                 |   |                                     |   |                 |  | For C                                | Company                                   | 7  |
|   |              |            | For Commis  | ssion                                |   |                                     | -   | -               |  | Chec                                 | ked by                                    | EC 1 3 2013  |

| I dealers under penalty of pe  | erjury under the laws of the state of Kansas that I am authorized to request |
|--|--|
|  | 82-3-304 on behalf of the operator Linn Operating, Inc.                      |
|  | information and statements contained on this application form are true and   |
|  | ge and belief based upon available production summaries and lease records    |
|  | pon type of completion or upon use being made of the gas well herein named.  |
| and the second s | exemption from open flow testing for the HCU 2831                            |
| gas well on the grounds that said  | i well:  |
| (Check one)  |  |
|  | nethane producer   |
| is cycled on p   | lunger 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   | e of producing at a daily rate in excess of 250 mcf/D                        |
|  |  |
| 7  | ne best of my ability any and all supporting documents deemed by Commission  |
| staff as necessary to corroborate  | e this claim for exemption from testing.                                     |
| Date: 12/5/13  |  |
| Date: 1910/18  |  |
|  |  |
|  |  |
|  |  |
| •  | Signature: Man Friarty   |
|  | 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

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