Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Chieftain Oil Co., Inc. County Location Section TWP RNG (E/W) Acre | |
|---|---|
| Company Chieftain Oil Co., Inc. County April 9, 2013 15-007-20998-0000 Well Estella McGuire Estate 1 County April 9, 2013 TWP RNG (E/W) Acre | |
| Company Chieftain Oil Co., Inc. County Location Section Lease Estella McGuire Estate 1 County RNG (E/W) Acre | |
| County Location Section TWP RNG (E/W) Acre | |
| Barber E2 W2 NW 29 32 10W | ss Attributed |
| Field Gas Gathering Connection McGuire-Goemann Mississippi West Wichita Gas Gathering, LLC | - , |
| Completion Date Plug Back Total Depth Packer Set at None | |
| Casing Size Weight Internal Diameter Set at Perforations To 4.5 10.5 4.052 4408 4408 4422 | |
| Tubing Size Weight Internal Diameter Set at Perforations To 2.375 4.7 1.995 4406 Open | |
| Type Completion (Describe) Type Fluid Production Single Pump Unit or Traveling Plunger? Yes / No. 100 Pumping | lo |
| Producing Thru (Annulus / Tubing) % Carbon Dioxide % Nitrogen Gas Gravity Annulus | / - G _g |
| |) (Prover) Size |
| Pressure Buildup: Shut in 4-9 20 13 at (AM) (PM) Taken 4-10 20 13 at | (AM) (PM) |
| Well on Line: Started 20 at 20 at 20 at | (AM) (PM) |
| OBSERVED SURFACE DATA Duration of Shut-in_ | Hour |
| Property (inches) Prover Pressure in temperature (P _w) or (P _t) or (P _c) (P _w) or (P _t) or (P _c) (Hours) | iquid Produced (Barrels) |
| Shut-In psig (Pm) Inches H ₂ 0 psig psia psig psia 173.2 | |
| Flow | |
| FLOW STREAM ATTRIBUTES | |
| Plate Coefficient Coefficient (F _b) (F _p) Moder or psia Press psia Press P _m xh P _m | Flowing Fluid Gravity G _m |
| (OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_a)^2 = (P_c)^2 = : (P_w)^2 = : (P_d)^2 $ | 0.207 |
| $(P_c)^2 - (P_g)^2 \qquad (P_c)^2 - (P_w)^2 \qquad \begin{array}{c} Choose formula 1 \text{ or } 2: \\ 1. \ P_c^2 - P_g^2 \qquad LOG \text{ of } \\ formula \qquad \qquad \\ \end{array}$ Backpressure Curve Slope = "n" n x LOG Antillog | Open Flow Deliverability uals R x Antilog (Mcfd) |
| | |
| | |
| Open Flow Mcfd.@ 14.65 psia Deliverability Mcfd.@ 14.65 psia | |
| The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has known the facts stated therein, and that said report is true and correct. Executed this the 23 day of April | _ , ₂₀ <u>13</u> . |
| amanda Gu KCC WICHITA Del | _ , |
| Witness (if any) APR 1 7 2014 For Company | |
| For Commission Checked by RECEIVED | |

| • | erjury under the laws of the state of Kansas that I am authorized to request 82-3-304 on behalf of the operator Chieftain Oil Co., Inc. |
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| correct to the best of my knowled of equipment installation and/or | information and statements contained on this application form are true and dge and belief based upon available production summaries and lease records upon type of completion or upon use being made of the gas well herein named. exemption from open flow testing for theEstella McGuire Estate #1 |
| gas well on the grounds that said | d well: |
| is cycled on proceed is a source of is a source of is on vacuum is not capable of the further agree to supply to the instance of the supply to | nethane producer clunger lift due to water f natural gas for injection into an oil reservoir undergoing ER at the present time; KCC approval Docket No e of producing at a daily rate in excess of 250 mcf/D the best of my ability any and all supporting documents deemed by Commission e this claim for exemption from testing. |
| Date: April 23, 2013 | Signature: Title: Res |

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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