KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

(See Instructions on Reverse Side)

| Type Test. | | | | | | | | | | | | | | |
|--|-----------------------|---------------------------------|----------------------------------|-------------------------------|---|---|----------------------|------------------|--|--|--|---------------------------------------|---|---------------------------|
| | Open Flo Deliverab | | P | | Test Date: | 10/1 | 3/12 | | | | API No. | 15-075 | 5-20 772 - | 0000 |
| Company | LININLO | PERATING | INC | | | · | Lease | | HCU | | | | W | ell Number |
| County | LIIVIV OI | Location | , 1110. | | Section | | TWP | | псо | DNC /EA | 40 | | Λ. | 1511-C |
| | MILTON | | SENEN | IW | 15 | | IVVE | 218 | | RNG (E/ | 41W | | A | cres Attributed |
| Field | ADSHAV | V | | | Reserve WINFI | | | | | | athering Co Oneok Fiel | | es | |
| Completion | | . | - | Plu | Back Total | | | | | | r Set at | 001110 | | |
| | 1/01 | | | | 2931 | | | | | | | • | | |
| Casing Siz | | Weight | | Inte | rnal Diamete | er | Set at | | | | Perforation | _ | То | |
| 4-1/2" 10.5# | | | | | 2931' | | | 1' | Pa_ # .* | | 2750 | <u></u> _ | 2864' | |
| Tubing Size 2-3 | | Weight 4.7 | | inte | mal Diamete 1.995 | er | Set at | 286 | 7 ¹ | | Perforation | S | То | |
| Type Comp | | | | Typ | e Fluid Prod | uction | | 200 | | Pump | Unit or Trav | elina Plun | ger? | Yes / No |
| | IGLE GA | | | - 7- | | WATER | | | | | PUMP | · · · · · · · · · · · · · · · · · · · | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | YES |
| - | Thru (Ann NULUS | ulus/Tubing) | | %С | arbon Dioxid | e | | | | % Nitro | ogen | | Gas | Gravity - G, |
| Vertical De | | | | | | Pressure FLA | Taps | | | | | | (Meter R | un) (Prover) Size |
| Pressure B | | Shut In | 10/12 | | 20 12 at | | (AM) (P | 18.41 | Taken | 10/1 | 3 20 | at | 8-30 | (AM) (PM) |
| - | | Started | | | _ 20 <u>12 at 8:30 </u> | | • | | Taken | | | at | | (AM)(PM) |
| | | | | | | OBSER | | | | | | | | |
| | | Circle on | e: Pri | essure | | OBSER | VED 301 | | sing | 1 7 | ubing | Duration | of Shut-Ir | 1 24.00 |
| Static/ | Orifice | Meter o | or Diff | erential | Flowing | Well He | | | | Wellhe | ad Pressure | Dura | ation | Liquid Produce |
| Dynamic Property | Size Inches | Prover Pre | | n (h) hes H ₂ 0 | Temperature t | Temperati t | | | or (P _c) psia | | (P ₁) or (P _C) | (Hou | ırs) | (Barrels) |
| | niones | paig | | 103 1120 | | <u> </u> | - ` | sig | | psig | psia | - | | |
| Shut-In | <u> </u> | <u> </u> | | | | <u></u> | - - | 40.0 | 54.4 | pump | | 24 | 1.00 | |
| Flow | <u> </u> | <u> </u> | | | | <u> </u> | | | <u> </u> | | | | | |
| | | | r | | | FLOW ST | REAM / | ATTRIB | UTES | | | | | |
| Plate Coefficier | nt | Meter Pressure | Press Exter | s. Ision | Gravity Factor | | Flowing nperature | | | Metered Flow | | GOR | | Flowing |
| (F _b)(Fp) | | psia | | | Fg | | Factor | ctor Facto | | R | | (Cubic Feet/ | | Fluid |
| Mcfd | j | | √P _m x H _w | | | | Fft | fit . | | ļ | (Mcfd) | | el) | Gravity G _m |
| · | | 1 | | | | | | | | 1 | | | | |
| | | | 1. | | (OPEN FLC | W) (DEL | IVERAB | ILITY) | CALCULA | TIONS | | 1 | 1 | |
| | | | | | | | | | | | | | $(P_a)^2 =$ | 0.207 |
| (P ₀)²= | (| P _w) ² = | | P _d = | | % | (P _c | - 14.4) <i>-</i> | + 14.4 = | | <u>_:</u> | | $(P_d)^2 =$ | |
| (P _s) ² - (P _s) |) ² (F | $(P_c)^2 - (P_w)^2$ | P _a ² - | P _a ² | Γæ | c)2-(Pa)2 | Backpressure Curve | | nxLOG (P _c) ² -(P _s) ² | (P ₄) ² -(P ₄) ² | | | Open Flow | |
| | | | $\frac{1}{(P_c)^2 - (P_w)^2}$ | | LOG — | | | | | Antilog | Deliverability | | | |
| | - | | (P _c)(| (P _w)- | [(P. | c) ² -(P _w) ² | ' | Slope = " | n" | | $(P_c)^2 - (P_w)^2$ | l | | Equals R x Antilog |
| | | | _ | | .= | | | | | ' | - | <u>'</u> | | |
| | | | | - | | | | | | | | | | |
| | | _ | | | | | | | <u></u> | | | | | |
| Open Flow Mcfd @ 14.65 psia | | | | ia | Deliverability | | | | Mcfd @ 14.65 psia | | | | | |
| The | doreigno | authority a | a hoholf of | the Ca- | nnanu etat | a that had | o delle e | ,4h! | d to | the above | | h = 4 h = 1 | | |
| | | | | | npany, states ct. Executed | | | | d to make day of | tne above Decem | | nat ne ha: | | ge of the facts |
| (IIC) | | GUIN TONU | io uub di | | or Everaled | ans dic | 13 | | -u, vi _ | C/Lr ^ | A, A | | . 20 | 12 |
| | | With | ess (if any) | | | | | | | gruc | | | <u> </u> | 350 |
| | | ***** | (0.117) | | | | | | | | For Comp | zany | f | RECEIVED |
| | | For (| Commission | | | | • | | | | Checked | l by | - n | FC 2 8 201 |

KCC WICHITA

| exempt status and that the for correct to the b | lare under penalty of perjury under the laws of the State of Kansas the under Rule K.A.R. 82-3-304 on behalf of the operator LINN OPERAT regoing information and statements contained in this application form est of my knowledge and belief based upon available production surstallation and/or upon type of completion or upon use being made or | ring, Inc. If are true and If are true and lease records | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|
| l her | eby request a one-year exemption from open flow testing for the | HCU 1511-C | | | | | | | | |
| | 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. | | | | | | | | | | |
| X | is not capable of producing at a daily rate in excess of 250 mcf/D | · · · · · · · · · · · · · · · · · · · | | | | | | | | |
| _ | to supply to the best of my ability any and all supporting documents of ary to corroborate this claim for exemption from testing. | deemed by Commission | | | | | | | | |
| Date: | 12/19/2012 | | | | | | | | | |
| | Signature: Staceyus Title: Administrative Assistant II | her | | | | | | | | |

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 obtain exempt status for the gas well.

At some point during the succeeding calendar year, wellhead shut-in pressure shall have been measued 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 from 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. it was a verified report of test results.