KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

| Type Test | : | | | | (| See Instruc | tions on Rev | rerse Side |) . | | | | | |
|-------------------------------------|-------------------|-------|----------------------------------|---|--|------------------|--|--|--------------------|---|---------------------------------------|-----------|------------------------------|--|
| □ Ор | en Flo | W | | | Test Date | · | | | ΔPI | No. 15 15-02 | 23-21172-00- | -00 | | |
| De | liverat | ilty | | | lest Date | | | | 71.1 | 110. 15 | | • • | | |
| Company | | _ | | | | • | Lease | | | | į | Well Num | | |
| | ation | Ene | | gement, LL0 | | <u>.</u> | DUNBAF | ₹ | | | | 22-13 | | |
| Chauen | | | Locati | on E-SE-NW | Section | 13 | TWP 2S | | RNG (E | w) 9W | , | Acres Att | ributed | |
| Cheyen Field | 116 | | INE-IN | -3E-INVV | Reservoi | | 2.0 | , | | hering Conne | ction | ~\C(| } //// | |
| CHERF | RY CI | REE | K | | NIOBR | | | | | HERN STA | | MAY | | |
| Completio | | | | | | k Total Dep | th | | Packer S | | | - 1/4/ | 18 201 | |
| 12/05/2 | 800 | | | | 1409 | | | | | | | REC | SEIVED 18 5018 NVIC | |
| Casing S | ze | | Weigh | | Internal [| | Set a | | Perfo | rations | То | ~0 | EIVER | |
| 7", 4½" | | | | 17#, 11.6# | | ", 4.052" | 189', 1459' | | 1222' Perforations | | 1260' | | | |
| Tubing Si 2 3/8" | ze | | Weigh | t 4.7# | Internal C | Diameter 995" | Set a | t 1281' | Perto | rations | То | | | |
| Type Con | anletio | n (De | escribe) | 4.11 | | d Production | | 1201 | Pumo Ui | nit or Traveling | Plunger? Yes | / No | | |
| Single | | | ,501,507 | | Saltwa | | | | . up u. | in or indrolling | • | ping un | it | |
| | •• | • | rulus / Tubing | 3) | % C | arbon Dioxi | de | | % Nitrog | ел | Gas Gr | avity - G | | |
| ANNUL | US | | | | | | | | | , | | · | | |
| Vertical D | epth(l | i) | · | · | | Pres | sure Taps | • | | | (Meter F | Run) (Pro | ver) Size | |
| | | | | | | | | | | | | | | |
| Pressure | Buildu | ıp: | Shut in | 3/10 2 | _{0.} 15 _{at.} 1 | 2:00 pm | (AM) (PM) | Taken | | 20 | at | (A | M) (PM) | |
| | | • | | 3/11 ^ | . 15 1 | 1:00 pm | (410) (7310) | Talan | | | at | | LD (DLD) | |
| Well on L | ine: | • | Staned | | u at | | (AM) (PM) | iaken | | 20 | at | (Ai | м) (РМ) | |
| | ·: | | | | | OBSERVE | D SURFACE | DATA | | | Duration of Shut- | in25 | Hours | |
| Static / | Orifi | ice | Circle one: | Pressure | Flowing | Well Head | Cas | • | 1 | Tubing | | | | |
| Dynamic | Siz | :e | Meter . Prover Pressu | Differential in | Temperature Te | Temperature | 1 | Wellhead Pressure (P_{α}) or (P_{α}) | | ad Pressure r (P ₁) or (P ₂) | Duration (Hours) | | Liquid Produced (Barrels) | |
| Property | (inch | es) | psig (Pm) | Inches H ₂ 0 | t . | t | psig | psia | psig | _psia | | <u> </u> | | |
| Shut-In | | • | | · | | 1 | 62 | | | | | | | |
| Flow | | | | | | | 1 | | | | | | | |
| .,,,,, | | | | | | ELOW STE | <u>(</u> | RIITES | | 1 ' 1 | | | | |
| Slate | | | Circla one: | _ | 1. | 12011-0.1 | | 1 | | | | - | Flowing | |
| Plate Coeffied | | | Meter or | Press Extension | Grav Faci | | Flowing Temperature | | iation ctor | Metered Flow R | GOR (Cubic Fe | et/ | Fluid | |
| (F _b) (F Mold | | Pro | ver Pressure psia | √ P _m xh | F, | | Factor F ₁₁ | 1: | pv | (Mcfd) | Barrel) | | Gravity G _m | |
| Micia | | | | <u> </u> | | <u> </u> | · (t | -} | | 1 | - | -+ | | |
| | | | | | <u>. </u> | | . : | | | | (| | | |
| | | | | | (OPEN FL | OW) (DELIV | ERABILITY) | CALCUL | ATIONS | | (P.) | 2 = 0.207 | 7 | |
| (P _c) ² = | | _: | (P _w) ² = | : | P _d = | | % (Р | c - 14.4) + | 14.4 = | : | (P _a); | | | |
| | | | | Choose formula 1 or 2 | | Г ¬ | | sure Curve | i | L -1.1 | | i - | n Flow | |
| (P _e) ² - (F | 2)2 | (P | (P_)2 - (P_)2 | 1. P _c ² -P _a ² | LOG of formula | | | e = "n" or | nx | LOG | Antilog | Delive | erability | |
| (P _c) ² - (F | ° _d)² | | | 2. P _c ² -P _d ² | 1, or 2. and divide | P.2-P.2 | Ass | signed ard Slope | | | · 3 | | R x Antilog (| |
| | | | | divided by: Pc - P. | by: | <u> </u> | Station | ata Siope | | } | | - | | |
| | | | | | | | | | | | | | | |
| 1 | į | | | | 1. | | | | | | | | | |
| Open Flor | | | | Mcfd @ 14. | 65 psia | | Deliverab | ility | | | | a. | | |
| | | íamaa | l cutto a vitu | | • | states that h | • | | o mako ti | | · · · · · · · · · · · · · · · · · · · | | das of | |
| | | - | • | | | | - | | | | t and that he ha MAY | | 15 | |
| the facts st | tated t | herei | n, and that sa | aid report is true | and correc | t. Executed | this the | ' | day of | <u>'</u> | 11 | , 20 | , | |
| | | | | | | , | | | | | ı | | | |
| | | | Witness (ii | fany) | | | _ | | | FarCo | ompany | | | |
| | | | | | | | _ | | | | | | | |
| | | | For Comm | ession | * * | | • | | | Check | ked by | | | |

| I declare under penalty of exempt status under Rule K.A and that the foregoing pressure correct to the best of my known of equipment installation and/or the person of the property of the pro | .R. 82-3-304 on behalf of ture information and state elege and belief based upor upon type of completion | he operator Foundation ments contained on this pon available production n or upon use being mad | on Energy Manages application for summaries and | gement, LLC n are true and lease records herein named. |
|--|--|--|---|---|
| | • | | | KCC WIC: MAY 18 2015 RECEIVE |
| is on vacui | e of natural gas for injection at the present time; K0 able of producing at a dail | CC approval Docket No. | ndergoing ER mcf/D | - <i>\ved</i> |
| I further agree to supply t staff as necessary to corrobo 5/4/2015 Date: | • • • | | cuments deeme | a by Commission |
| | Signature: _ Title: _ | Chickle (| MATA DNS ASSISTANT | |

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.