Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

(See Instructions on Reverse Side)

| Type Test | t: | | | | (| See Instruc | tions on Reve | erse Side |) | | | | | |
|---|-------------------------------|-------------------------|--|---|-----------------------------------|--|---|-----------------------------|---|----------------|-------------------|------------------------------|----------------------|--|
| Open Flow | | | Tool Date: | | | | | API No. 15 -023-20866-00-00 | | | | | | |
| Deliverabilty | | | | Test Date: | | | | API No. 15 -023-20000-00-00 | | | | | | |
| Company | , | | - | | | | Lease | | | | | Well Nu | mbor | |
| | | Ene | erov Mana | gement, LL0 | ; | Z | WEYGARI | TC | | | | 34- | | |
| County | 4.0.1 | | Locati | | Section | | TWP | | RNG (E/\ | V) | | | ttributed | |
| CHEYENNE SWSE | | | | 33 | 38 | | | `41W | | | | | | |
| Field | | | | | Reservoi | r | | | | ering Conn | | • | | |
| CHERF | RY C | REE | K | | NIOBR | | | | Southe | rn Star/Ki | nder Morgan | | | |
| Completion Date | | | | ~ | k Total Dep | th | | Packer S | et at | | | | | |
| 2/20/2008 Casing Size Weight | | | | 1561' | N | Set at | | Perforations | | | То | | | |
| Casing Size 7", 4½" | | | • | '#, 10.5# | Internal Diameter 6.538, 4.052 | | 216', 1603' | | | | 1410' | | | |
| Tubing Size | | | Weigh | | Internal Diameter | | Set at | | Perforations | | To | | | |
| 2-3/8 | | | 110191 | 4.7# | 1.995 | | 1428' | | 7 011014110114 | | | | | |
| Type Con | npletio | n (De | escribe) | | | d Productio | | | Pump Uni | t or Traveling | Plunger? Yes | / No | | |
| SINGLE (GAS | | |) | | SALT | WATER | | | | . 3 | | Yes-Rod Pump | | |
| Producing | Thru | (Anı | nulus / Tubin |)) | % C | arbon Dioxi | ide | | % Nitroge | n | Gas Gr | Gas Gravity - G _g | | |
| ANNUL | _US | | | | | | | | | | | | | |
| Vertical D | epth(F | 1) | | | | Pres | sure Taps | | | | (Meter I | Run) (Pr | over) Size | |
| | | | | | | | | | | | | | | |
| Pressure | Buildu | ıp: | Shut in | 11/4 2 | o 14 at 1 | 0:15 AM | (AM) (PM) 1 | aken | | 20 | at | (| AM) (PM) | |
| | | | | | | | | | | | | at (AM) (PM | | |
| Well on Line: Started 11/5 | | | | | u at | | (AW) (PW) | aken | 20 | | at (AM) (PM) | | | |
| | | | | | | ORSERVE | D SUBFACE | DATA | | | Duration of Shut | _{in} 2 | 4 Hours | |
| OBSERVED SURFACE DATA Duration of Shut-in Circle one: Pressure Date of Shut-in Casing Tubing | | | | | | <u> </u> | 110013 | | | | | | | |
| Static / Dynamic | Orif. Siz | | Meter | Differential | Flowing Temperature | Well Head Temperature | Wellhead Pressure | | Wellhead Pressure | | Duration | l ' | | |
| Property | (inches) | | Prover Pressu psig (Pm) | in in in in | t | t | (P _w) or (P _t) or (P _c) | | (P _w) or (P _t) or (P _c) | | KCC WICHITA | | larrels) | |
| | | | parg (i iii) | menes 1120 | | - | psig | psia | psig | psia | 1100 9 | VICI | <u> </u> | |
| Shut-In | | | | | | | 110 | | | ļ | DEC 1 | 1 20 | 14 | |
| Flow | | | | | | | | | | 1 | | 1 | 1 | |
| | | | ' | ' | | FLOW STF | REAM ATTRIE | BUTES | • | ' | REC | EIVE | ED | |
| Plate | | | Circia one: | Press | | | Flowing | | | | | | Flowing | |
| Coefficient | | _ | Meter or | Extension | Grav Fac | | emperature | Devia Fac | iation ctor | Metered Flow | GOR (Cubic Fe | et/ Fluid | Fluid | |
| (F _b) (F _p) Mcfd | | Prover Pressure psia | | √ P _m xh | F, | | Factor F ₁₁ | | pv | (Mcfd) | ' | | Gravity | |
| | | | | | | | n | | | | | | -m | |
| <u></u> | | | | | | | | | | | | | | |
| | | | | | (OPEN FL | OW) (DELIV | ERABILITY) | CALCUL | ATIONS | | (P.) | 2 = 0.20 | 07 | |
| (P _c) ² = | | _: | (P _w) ² = | : | $P_d =$ | | % (P, | - 14.4) + | 14.4 = | : | (P _d) | | | |
| | | | | Choose formula 1 or 2 | : | <u> </u> | Backpress | ure Curve | T | الدين | - | 00 | en Flow | |
| (P _c) ² - (F | P _a) ² | (F | P _c) ² - (P _w) ² | 1. P _c ² -P _a ² | LOG of formula | | Slope | = "n" :r | nxL | og | Antilog | | verability | |
| or (P _c) ² - (f | ີ,)2 | | | 2, P _e ² -P _d ² | 1, or 2, and divide | P _c ² -P _w ² | Assi | gned | · | | Antitog | 1 | R x Antilog Mcfd) | |
| | | | | divided by: P _c ² - P _w ² | by: | <u></u> | Standar | d Slope | | | | <u> </u> | wiciu) | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | <u> </u> | | | | |
| Open Flor | <u> </u> | | | Mcfd @ 14. | 65 psia | | Deliverabili | ty | | | Mcfd @ 14.65 ps | а | | |
| The (| unders | igne | d authority, o | n behalf of the | Company, s | states that h | ne is duly auti | norized to | make the | above repo | rt and that he ha | s know | edge of | |
| the facts s | tated t | horoi | in and that c | aid report is true | and correc | t Everuter | l this the | 5 | dav of | DEC | CEMBER | | 14 | |
| 10019 5 | iaicu l | . 101 DI | na, uno matsa | aa report is tiut | and conec | " EVERBIER | . and the | | | | | , | | |
| | | | | | | | | | | | | | | |
| | | | Witness (| fany) | | | • | | | ForC | Company | | | |
| | | | For Comm | issian | | | _ | | | Char | cked by | | | |
| | | | ••••• | | | | | | | 2.100 | | | | |

| 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 Foundation Energy Management, LLC | | | | | | | | | | |
|---|--|--|--|--|--|--|--|--|--|--|
| 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 theZWEYGARDT 34-33 | | | | | | | | | | |
| 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: 12/5/2014 KCC WICH!T! DEC 1/2014 | | | | | | | | | | |
| Signature: | | | | | | | | | | |
| Title: OPERATIONS 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.