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

| Type Test                               | t:                            |       |                            |   | (                            | See Instru   | ctions on Rev         | erse Side  | <del>)</del>   |  |  |             |                       |
|---|-------------------------------|-------|----------------------------|---|------------------------------|--|-----------------------|------------|--|--|--|-------------|-----------------------|
| Open Flow                               |                               |       |                            | <b>~</b> . <b>.</b>   | Test Date: API No. 15 -023-2 |  |                       |            |  |  |  |             |                       |
| Deliverabilty                           |                               |       | Test Date: API No. 15 -U23 |   |                              |  |                       |            | -21000-00-00   |  |  |             |                       |
| Company                                 | ,                             |       |                            |   |                              |  | Lease                 |            |  |  |  | Vell Nu     | mber                  |
|   |                               | Ene   | ergy Mana                  | gement, LL0   |                              | 2  | ZWEYGARI              | TC         |  |  |  | 43-         | 33                    |
| County Location CHEYENNE NW-NW-NE-SE    |                               |       | Section TWP                |   |                              | RNG (E/  |                       | -          | Acres Attributed   |  |  |             |                       |
|   | NNE                           |       | NW-N                       | W-NE-SE   |                              | 33   | 38                    |            | 41   |  |  |             |                       |
| Field<br>CHERF                          | Y C                           | REE   | :K                         |   | Reservoir<br>NIOBR           |  |                       |            |  | ering Conne                            | ection<br>nder Morgan  |             |                       |
| Completio                               |                               |       |                            |   |                              | k Total De   | pth                   |            | Packer S   |  | idei Morgan  |             |                       |
| 7/30/20                                 |                               |       |                            |   | 1563'                        | it iolai oo  | F                     |            | . 45.101 0   | J. 2.                                  |  |             |                       |
| Casing S                                |                               |       | Weigl                      | ıt  | Internal [                   | Diameter   | Set at                |            | Perfor   |  | То   |             |                       |
| 7", 4½" 17#, 11.6#                      |                               |       |                            |   | B, 4.000                     |  | 255', 1605'           |            |  |  | 1408'  |             |                       |
| Tubing Si                               | ze                            |       | Weigh                      | t<br>4.7#   | Internal C                   | Diameter<br>.995   | Set at                | 425'       | Perfor   | ations                                 | To   |             |                       |
| 2-3/8<br>Type Con                       | noletio                       | n (De | escribe)                   | 4.1#  |                              | d Production   |                       | 423        | Pump Un  | it or Traveling                        | Plunger? Yes   | / No        |                       |
| Type Completion (Describe) SINGLE (GAS) |                               |       |                            |   | SALTWATER                    |  |                       |            | Pump Unit or Traveling Plunger? Yes / No<br>Yes-Rod Pump |  |  |             |                       |
| Producing                               | Thru                          | (Ani  | nulus / Tubin              | g)  | % C                          | arbon Dio  | xide                  |            |  |  |  | Gravity - G |                       |
| ANNUL                                   | US                            |       |                            |   |                              |  |                       |            | ·  |  |  |             |                       |
| Vertical D                              | epth(l                        | H)    |                            |   | _                            | Pre  | ssure Taps            |            |  |  | (Meter F   | iun) (Pr    | rover) Size           |
| Pressure                                | Buildu                        | ıp:   | <br>Shut in                | 11/3  | 0 14 at                      | 1:30 PM  | (AM) (PM)             | Taken      | <u> </u>   | 20                                     | at   |             | AM) (PM)              |
| Well on L                               |                               | •     | Started                    | 11/4  | , 14 , 1                     | 1:30 PM  | /A.B.A.\ /D.B.A.\ :   | Tokon      |  | 20                                     | at   | ,           | A MAY (DAM)           |
| - vveii on L                            | nie.                          |       | Started                    |   | J al                         |  | _ (AW) (FW)           | iakeii     |  | 20                                     | at   |             | AIVI) (FiVI)          |
|   |                               |       |                            | _   | , <u> </u>                   | OBSERV   | ED SURFACE            | DATA       |  |  | Duration of Shut-i   | n2          | 4 Hours               |
| Static /                                | Orif                          |       | Circle one:<br>Meter       | Pressure<br>Differential                                    | Flowing                      | Well Head  | I Wellhead ₽          | ~          | 1  | ubing<br>d Pressure                    | Duration   | Liquid      | d Produced            |
| Dynamic<br>Property                     | Siz<br>(inch                  |       | Prover Press               | <i>ire</i> in   | Temperature<br>I             | Temperatur<br>t  | (P, ) or (P,          |            | 1  | (P <sub>t</sub> ) or (P <sub>a</sub> ) | (Hours)  |             | Barrels)              |
|   |                               |       | psig (Pm)                  | Inches H <sub>2</sub> 0                                     |                              |  | pslg                  | psia       | psig   | psia                                   | <u> </u>   | <del></del> |                       |
| Shut-In                                 |                               |       |                            |   |                              |  | 60                    |            |  |  | -KCC-\   | کښې         | CITY.                 |
| Flow                                    |                               |       |                            |   |                              |  |                       |            |  |  | Ť1Ez\  |             |                       |
|   |                               |       |                            | ,   |                              | FLOW ST  | REAM ATTRI            | BUTES      |  |  | DEC 1  | 1 2         | 014                   |
| Plate                                   |                               |       | Circle one:                | Press   | Grav                         | rity   | Flowing               | Devi       | iation   | Metered Flow                           | <b>殿</b> (6)   | CEIV        | Flowing               |
| Coeffied<br>(F <sub>b</sub> ) (F        |                               | Pro   | Meter ot<br>ver Pressure   | Extension   | Fact                         |  | Temperature<br>Factor |            | ctor   | R                                      | (Cubic Fee   |             | Gravity               |
| Mcfd                                    |                               |       | psia                       | √ P <sub>m</sub> xh   | F                            | ı  | F <sub>tt</sub>       |            | bA,  | (Mcfd)                                 | Barrel)  |             | G <sub>m</sub>        |
|   |                               |       |                            |   |                              |  |                       |            |  |  |  |             | •                     |
| <u> </u>                                |                               |       |                            |   | (OPEN FLI                    | OW) (DELI  | VERABILITY)           | CALCUL     | ATIONS   |  |  |             |                       |
| (P <sub>c</sub> ) <sup>2</sup> =        |                               |       | (P )2 =                    | <u> </u>  | P <sub>d</sub> =             | J., (DLL.  | •                     | - 14.4) +  |  | ,                                      | (P <sub>a</sub> ) <sup>2</sup><br>(P <sub>d</sub> ) <sup>2</sup> | = 0.20      | 07                    |
|   |                               |       |                            | Choose formula 1 or 2                                       |                              | <u> </u>   | <u> </u>              | sure Curve | 1  | <u>-</u>                               |  |             |                       |
| (P <sub>c</sub> ) <sup>2</sup> - (F     | )2<br>)2                      | (F    | c)2 - (P <sub>w</sub> )2   | 1. P <sub>c</sub> <sup>2</sup> -P <sub>e</sub> <sup>2</sup> | LOG of formula               |  | Stope                 | e = "ก"    | nxL  | og                                     | Antilog  | ,           | en Flow<br>verability |
| (P <sub>o</sub> ) <sup>2</sup> - (F     | P <sub>g</sub> ) <sup>2</sup> |       |                            | 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> | 1. or 2.<br>and divide       | P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup> | Assi                  | gned       |  |  | Andiog   |             | R x Antilog<br>(Mcfd) |
|   |                               |       |                            | divided by: P.2 - P.  | by:                          | <u> </u>   | Standa                | rd Slope   |  |  |  | <u> </u>    | incia,                |
|   |                               |       |                            |   |                              |  |                       |            |  |  |  |             |                       |
|   |                               |       |                            |   |                              |  |                       |            |  |  |  |             | •                     |
| Open Flor                               | N                             |       |                            | Mcfd @ 14.  | 65 psia                      |  | Deliverabil           | ity        |  |  | Mcfd @ 14.65 psi   | a           |                       |
| The                                     | ındare                        | ionec | Lauthority o               | n hehalf of the   | Company                      | tates that   | he is duly aut        | horized to | n make the   | ahove reno                             | rt and that he ha  | s know      | ledge of              |
|   |                               | •     | •                          |   |                              |  | •                     | 5          |  |  | EMBER  |             | 14                    |
| tne facts st                            | tated t                       | nerei | n, and that s              | aid report is true  | and correc                   | τ. Execute   | a this the            |            | day of   |  |  | · 2         | 20                    |
|   |                               |       |                            |   |                              |  |                       |            |  |  |  |             |                       |
|   |                               |       | Witness (                  | f any)  |                              |  |                       |            |  | For C                                  | отрапу   |             |                       |
|   |                               |       | For Comm                   | nission   |                              |  | _                     | •          |  | Chec                                   | ked by   |             |                       |
|   |                               |       |                            |   |                              |  |                       |            |  | <b>4.10</b> 2                          |  |             |                       |

| exempt stand that the correct to of equipmed I here | atus under Rule K.A.R. 82-<br>he foregoing pressure info<br>the best of my knowledge   | 3-304 on behalf of the primation and statem and belief based up in type of completion imption from open flo     | e operator <u>Foundat</u><br>nents contained on th<br>on available production<br>or upon use being ma  | that I am authorized to request ion Energy Management, LLC is application form are true and on summaries and lease records de of the gas well herein named.  ZWEYGARDT 43-33 |
|---|--|---|--|--|
|   | (Check one)  is a coalbed method is cycled on plunding a source of nations on vacuum at the source of the source | nane producer<br>ger lift due to water<br>ural gas for injection<br>ne present time; KC<br>producing at a daily | n into an oil reservoir o<br>C approval Docket No<br>rate in excess of 250<br>r and all supporting d   | ·  |
|   | ecessary to corroborate th   |   |  | KCC WICHITA  |
| Date:   | 12/5/2014  |   |  | DEC 1 1 2014   |
| Date  |  |   |  | RECEIVED   |
|   |  | Signature:<br>Title:  | OPERATION OPERAT | Sathur Ons 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.