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

| Type Test:   | en Flow         | ONL  |                                    | •   |                              | ictions on Rev                                      | erse Side  | •                            | 022  | 20004 00 00  |   |
|--|-----------------|--|------------------------------------|---|------------------------------|---|--|------------------------------|--|--|---|
| Deli   | iverabilty      | ,  |                                    | Test Date                                   | e: 11/25/                    | 2015  |  | API                          | No. 15 -U∠3  | -20901-00-00   |   |
| Company Foundation Energy Management, LLC  |                 |  |                                    | Lease<br>ZWEYGARDT                          |                              |   |  |                              | V  | Vell Number<br>32-05   |   |
| County Location CHEYENNE SWNE  |                 |  | Section                            | 5   | TWP                          | TWP<br>4S   |  | w)<br>IW                     | Д  | Acres Attributed   |   |
| Field<br>CHERRY CREEK  |                 |  | Reservoi:<br>NIOBR                 |   |                              |   |  | hering Conne<br>ern Star/Kir | ection<br>nder Morgan  |  |   |
| Completion 2/13/200  |                 |  |                                    | Plug Bac<br>1511'                           | k Total De                   | pth   |  | Packer S                     | Set at   |  |   |
| Casing Size Weight 7", 4½" 17#   |                 | #, 10.5#   | Internal 0<br>4, 10.5# 6.538       |   |                              | Set at<br>232', 1554'                               |  | rations<br>1351'             | To<br>1428'  |  |   |
| Tubing Size Weight 2-3/8 4.7#  |                 |  | Internal I                         |   | Set a                        | Set at<br>1363'                                     |  | rations                      | То   |  |   |
| Type Completion (Describe) SINGLE (GAS)  |                 |  | Type Fluid Production<br>SALTWATER |   |                              |   | Pump Unit or Traveling   |                              | Plunger? Yes / No<br>Yes-Rod Pump                              |  |   |
| Producing Thru (Annulus / Tubing) ANNULUS  |                 |  | % Carbon Dioxide                   |   |                              |   | % Nitrogen   |                              | Gas Gravity - G <sub>a</sub>                                   |  |   |
| Vertical De  | epth(H)         |  |                                    |   | Pre                          | essure Taps   |  |                              |  | (Meter R   | un) (Prover) Size   |
| Pressure E   | Buildup:        | Shut in  | 11/24 20                           | 15 at 1                                     | 0:45 AM                      | (AM) (PM)   | Taken  |                              | 20   | at   | (AM) (PM)   |
| Well on Lir  | ne:             | Started  | 11/25 20                           | 15 at 1                                     | 0:45 AM                      |   |  |                              |  | at   |   |
|  | •               |  |                                    | -   | OBSERV                       | ED SURFACE  |  |                              |  | Duration of Shut-i   | 24 Hours  |
| Static / Orific Dynamic Size Property (inche   |                 | e Prover Pressure in   |                                    | Flowing<br>Temperature<br>t                 | Well Head<br>Temperatur<br>t | Wellhead F  | Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psla |                              | ubing<br>ad Pressure<br>(P <sub>t</sub> ) or (P <sub>c</sub> ) | Duration<br>(Hours)  | Liquid Produced<br>(Barrels)                                |
| Shut-In  |                 |  |                                    |   |                              | 30  | <b>P</b>   | psig                         | , pun  | ,  |   |
| Flow   |                 |  |                                    |   |                              |   |  | <u></u>                      |  |  |   |
| DI-4-  |                 | Circia one:  |                                    |   | FLOW ST                      | REAM ATTRI  | BUTES  | _                            |  |  | frtt.   |
| Plate<br>Coeffiecie<br>(F <sub>b</sub> ) (F <sub>p</sub> )<br>Mcfd                                       |                 | Meter or<br>Prover Pressure<br>psia  | Press Extension P <sub>m</sub> xh  | Gravity Factor Fg                           |                              | Flowing<br>Temperature<br>Factor<br>F <sub>11</sub> | Temperature Fa   |                              | Metered Flow<br>R<br>(Mcfd)                                    | GOR<br>(Cubic Fee<br>Barrel)                                     | Flowing<br>Fluid<br>Gravity<br>G <sub>m</sub>               |
|  |                 |  | ,                                  | 1   |                              |   |  |                              |  |  |   |
| (P <sub>c</sub> ) <sup>2</sup> =   | •               | (P <sub>w</sub> ) <sup>2</sup> =   | :                                  | (OPEN FL                                    |                              | VERABILITY) % (P.                                   | CALCUL<br>+ (14.4 -  |                              |  | (P <sub>a</sub> ) <sup>2</sup><br>(P <sub>d</sub> ) <sup>2</sup> | = 0.207   |
| (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) | a) <sup>2</sup> | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>c</sub> <sup>2</sup> - 2. P <sub>c</sub> <sup>2</sup> - divided by: P <sub>c</sub> |                                    | LOG of formula 1. or 2. and divide D 2. D 2 |                              | Backpressure Curve Slope = "n"                      |  | n x 106                      |  | Antilog  | Open Flow<br>Deliverability<br>Equals R x Antilog<br>(Mcfd) |
|  |                 |  |                                    |   |                              |   |  |                              |  |  |   |
| Open Flow  | ,               | Mcfd @ 14.65 psia  |                                    |   |                              | Deliverability                                      |  | Mcfd @ 14.65 psia            |  |  |   |
|  |                 |  | behalf of the (                    |   |                              |   | _  | o make th                    |  | rt and that he has<br>EMBER                                      | knowledge of, 20  |
|  |                 | Witness (ii  | neu)                               |   |                              | Received RPORATION COM                              | MISSION  |                              | E A  | A  |   |
|  |                 |  |                                    |   | DE                           | C 10 201  | 5  |                              |  | ompany   |   |
|  |                 | For Comm   | ssion                              |   |                              |   |  |                              | Chec   | ked by   |   |

| I de clave un deu constitue of maritimo constant has locate of the etate of Kannaga that I am outhorized to request   |
|---|
| 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.  Levely request a one-year exemption from open flow testing for the ZWEYGARDT 32-05   |
| Thereby request a one-year exemption from open now testing for the  |
| 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: 12/7/2005   |
| Signature: Law Olh  |

## 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.