## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

| Type Test:   | :                                       | •   |   | (;                                     | See Instru                                  | ıctions on Re                       | verse Side  | )                                  |   |                             |   |          |  |
|--|---|---|---|--|---|-------------------------------------|---|------------------------------------|---|-----------------------------|---|----------|--|
| Open Flow  |   |   |   | Test Date                              | <b>;</b> :                                  |                                     |   | API No. 15                         |   |                             |   |          |  |
| <b>✓</b> Del   | liverabilty                             |   |   | 07/05/20                               |   |                                     | 15-129-21557 <b>- 0000</b>                                |                                    |   |                             |   |          |  |
| Company<br>MERIT ENERGY COMPANY  |   |   |   |  |   | Lease<br>USA DU                     | Lease<br>USA DUNKLE A                                     |                                    |   |                             | Well Number<br>3  |          |  |
| County Location MORTON 1980 FSL & 1980 FEL                                     |   |   |   | Section<br>1                           |   | TWP<br>33                           |   |                                    | RNG (E/W)<br>41   |                             | Acres Attributed 640                                      |          |  |
| Field<br>DUNKLEBERGER  |   |   |   | Reservoir<br>WABAU                     |   | ,                                   | Gas Ga<br>APC   |                                    | hering Conne  | ction                       |   | _        |  |
| Completion Date 08/07/2001   |   |   |   | Plug Back<br>3150                      | k Total De                                  | epth                                | Packer S<br>NA  |                                    | Set at  |                             |   | _        |  |
| Casing Si<br>5.5   | asing Size Weight<br>.5 15.5#           |   |   | Internal D                             | )iameter                                    |                                     | Set at<br>5500  |                                    | Perforations<br>2902  |                             | то<br>2924  |          |  |
| Tubing Size Weight 2.375 4.75  |   |   | Internal D                              | )iameter                               |   | Set at 5115                         |   | Perforations<br>NA                 |   |                             |   |          |  |
| Type Completion (Describe) SINGLE GAS  |   |   |   | Type Fluid                             | d Product                                   | tion                                | Pump Unit or<br>YES                                       |                                    | nit or Traveling  | Traveling Plunger? Yes / No |   |          |  |
| Producing Thru (Annulus / Tubing) CASING                                       |   |   |   |  | Carbon Dic                                  | oxide                               | e % Nitrogen  |                                    | jen   | Gas Gravity - G             |   | _        |  |
| Vertical Depth(H)  |   |   |   |  |   | essure Taps<br>ANGE                 | •   |                                    | (Meter Run) (Prover) Size<br>2                                |                             |   |          |  |
| Pressure   | Pressure Buildup: Shut in 07/05/2013 20 |   |   |  | :00 AM                                      | (AM) (PM)                           | AM) (PM) Taken 07/26/2                                    |                                    | 13 20   | at_9:00 A                   | .M (AM) (PM)  | )        |  |
| Well on L  | .ine:                                   | Started   | 20                                      | ) at                                   |   | (AM) (PM)                           | Taken   |                                    | 20  | at                          | (AM) (PM)   | )        |  |
|  |   |   |   |  | OBSER                                       | VED SURFAC                          | E DATA  |                                    |   | Duration of Shut-           | -in Ho  | ours     |  |
| Static /<br>Dynamic<br>Property  | Orifice<br>Size<br>(inches)             | Gircle one:  Meter  Prover Pressu  psig (Pm)  | Meter Differential . Prover Pressure in |  | Flowing Well Head<br>Temperature Temperatur |                                     | Wolthead Pressure   |                                    | Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> ) | Duration<br>(Hours)         | Liquid Produced<br>(Barrels)                              |          |  |
| Shut-In  | 0.75                                    | 1   |   |  |   | psig                                | 60  | psig                               | 5   | 24                          |   |          |  |
| Flow   |   |   |   |  |   |                                     |   | <u> </u>                           |   |                             |   |          |  |
|  |   |   |   | . ,                                    | FLOW S                                      | TREAM ATTE                          | RIBUTES   |                                    | · · · · · · · · · · · · · · · · · · ·                         |                             |   |          |  |
| Plate<br>Coeffied<br>(F <sub>b</sub> ) (F                                      | cient<br>p) /                           | Circle one:<br>Meter or<br>Prover Pressure<br>psia  | Press<br>Extension                      | Grav<br>Fac<br>F                       | tor   | Flowing<br>Temperature<br>Factor    | Fa  | Sation<br>actor<br>F <sub>pv</sub> | Metered Flow<br>R<br>(Mcfd)                                   | GOA<br>(Cubic Fe<br>Barrel) | Gravity   | Ĭ        |  |
|  |   |   |   |  |   |                                     |   | 47.01.0                            |   |                             |   |          |  |
| (P <sub>e</sub> ) <sup>2</sup> =   | <u> </u>                                | : (P <sub>*</sub> )² =  | ::                                      | (OPEN FL<br>P <sub>d</sub> =           |   | LIVERABILITY                        | r) CALCUL<br>P <sub>c</sub> - 14.4) +                     |                                    | :   | (P <sub>a</sub> )           | ) <sup>2</sup> = 0.207<br>) <sup>2</sup> =                |          |  |
| (P <sub>c</sub> ) <sup>2</sup> - (<br>or<br>(P <sub>c</sub> ) <sup>2</sup> - ( | -                                       | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> (Nided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup> |   | LOG of formula 1. or 2. and divide by: |   | Sid                                 | Backpressure Curve Slope ≃ "n" or Assigned Standard Slope |                                    | roe   | Antilog                     | Open Flow<br>Deliverability<br>Equals R x Antil<br>(Mcfd) | - 1      |  |
|  | -                                       |   |   | -                                      |   |                                     |   |                                    |   |                             |   | $\dashv$ |  |
| Open Flo   | )<br>ow                                 |   | Mcfd @ 14.                              | 65 psia                                |   | Delivera                            | bility  |                                    |   | Mcfd @ 14.65 ps             | sia   |          |  |
|  |   |   |   |  |   |                                     |   |                                    |   | rt and that he ha           | as knowledge of   | -        |  |
| the facts s  | stated the                              | rein, and that s  | aid report is true                      | e and correc                           | ct. Execu                                   | ted this the $\underline{\epsilon}$ | TH  | day of 1                           | November  |                             | , 20  | ·        |  |
|  |   | Witness (   | (if any)                                |  |   | <del></del>                         |   |                                    | ₩. (  | Company                     | KCC V   | ₩        |  |
|  |   |   |   |  |   |                                     |   |                                    | . 5   | r,                          |   |          |  |

|                                 | eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request  |
|---------------------------------|--|
| and that<br>correct<br>of equip | at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named. Bereby request a one-year exemption from open flow testing for the USA DUNKLE A-3 |
| gas wel                         | Il 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  |
|                                 | rther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.  |
| Date: <u>1</u>                  | 11/06/2013   |
|                                 | Signature: M. Chuyottu.  Title: REGULATORY ANALYST   |

## 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.