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

| Type Test  | t:                          |   |  |   | (  | (See Instruc  | tions on Ri  | everse Sid                            | le)  |  |   |   |  |
|--|-----------------------------|---|--|---|--|---|--|---------------------------------------|--|--|---|---|--|
| Open Flow  |                             |   |  |   | Test Date  | <b>a</b> ·  |  | API No. 15                            |  |  |   |   |  |
| <b>√</b> De                                      | liverab                     | ity   |  |   | 9/27/13  | -   |  | ,                                     | 15-  | -007-21198 -                           | - 0000  |   |  |
| Company<br>Trek AE                               |                             | ;   |  |   |  |   | Lease<br>Z-Bar I   | Ranch #1                              | 7-1A   |  | #17-1   | Well Number<br>A  |  |
| County<br>Barber                                 |                             |   | Location<br>NW SW SW   |   | Section<br>17  |   | TWP<br>34S   |                                       | RNG (E/W)<br>14W   |  | -   | Acres Attribute   |  |
| Field<br>Aetna                                   |                             |   |  |   | Reservoir<br>Mississippi                                     |   |  |                                       |  | thering Conn                           | ection  |   |  |
| Completion Date<br>610/81                        |                             |   |  |   | Plug Back Total Depth<br>4846 /                              |   | th<br>   |                                       | Packer   | Set at                                 |   |   |  |
| Casing Size<br>41/2                              |                             |   | Weight<br>10.5   |   | Internal Diameter 4  |   | Set at 4874  |                                       | Perforations 4784  |  | то<br><b>481</b> 6                            |   |  |
| Tubing Size<br>2 3/8                             |                             |   | Weight<br>4.7  |   | Internal Diameter  |   | Set at<br>4665   |                                       | Perforations   |  | То  |   |  |
| Type Completion (Describe)<br>Single             |                             |   |  | Type Fluid Production<br>SW   |  |   |  |                                       | nit or Traveling<br>ing unit   | g Plunger? Yes / No                    |   |   |  |
| Producing Thru (Annulus / Tubing)<br>Tubing      |                             |   |  | % C   | Carbon Dioxi   |   | :  | % Nitrogen<br>2.09                    |  | Gas Gravity - G <sub>e</sub><br>0.6766 |   |   |  |
| Vertical Depth(H)<br>4800                        |                             |   |  | Pressure Taps<br>Flange   |  |   |  | (Meter Run) (Prover) Size<br>3"       |  |  |   |   |  |
| Pressure i                                       | Buildup                     | ): <b>5</b>   | Shut in9/27/   | 13 2  | 0 at   | 9:15am  | (AM) (PM)  | Taken 9                               | /28/13   | 20                                     | at 9:15ar                                     | n (AM) (PN  |  |
| Well on Li                                       | ne:                         | \$  | Started 9/28/  | 13 2  | 0 at _9  | :15am   | (AM) (PM)  | Taken                                 |  |  | at  |   |  |
|  |                             |   |  |   |  | OBSERVE   | D SURFAC   | È DATA                                |  |  | Duration of Shut-                             | <sub>in</sub> _24H  |  |
| Static /<br>Dynamic<br>Property                  | Orifice<br>Size<br>(inches) |   | Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0 |   | Flowing Well Head Temperature t                              |   | Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia |                                       | Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) |  | Duration<br>(Hours)                           | Liquid Produce<br>(Barrels)                                 |  |
| Shut-In  |                             |   |  |   |  |   | 44   | psia<br>44                            | psig   | psia<br>,                              | 24  |   |  |
| Flow   |                             |   | <del></del>  |   |  | 51 024 075  |  |                                       |  |  |   |   |  |
| Plate  | . 1                         |   | Circle one:  | S   |  | FLOW STR  | Flowing  |                                       |  |  |   | Flowin  |  |
| Coeffiecient                                     |                             |   | Meter or Pressure psia Press   |   | Gravity<br>Factor<br>F <sub>g</sub>                          |   | emperature Factor F <sub>pv</sub>  |                                       | ctor A   |  | GOR Flui<br>(Cubic Feet/ Grav<br>Barrel) Grav |   |  |
|  | [                           |   |  |   |  |   |  |                                       |  |  |   |   |  |
| P <sub>c</sub> ) <sup>2</sup> =                  |                             | ;   | (P <sub>w</sub> ) <sup>2</sup> =   | <b>:</b>  | (OPEN FLO  | OW) (DELIVI   |  | /) CALCUI<br>P <sub>e</sub> - 14.4) + |  | . :                                    | (P <sub>a</sub> ):                            | 2 = 0.207<br>2 =  |  |
| $(P_c)^2 - (P_a)^2$<br>or<br>$(P_c)^2 - (P_d)^2$ |                             | (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1 |  | 1. P <sub>c</sub> <sup>2</sup> · P <sub>c</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> · P <sub>c</sub> <sup>2</sup> | se formula 1 or 2:  P2-P2 tomula P2-P2 a 1, or 2, and divide |   | Backpressure Curve<br>Slope = "n"<br>or<br>Assigned<br>Standard Slope                          |                                       | n x 10G  |  | Antilog                                       | Open Flow<br>Deliverability<br>Equals R x Antilog<br>(Mcfd) |  |
|  |                             |   | av   | ided by: Pc2 · P 2  | by:  | P <sub>c</sub> <sup>2</sup> · P <sub>w</sub> <sup>2</sup> | Cont   | and olope                             |  |  |   | V   |  |
|  |                             |   |  |   |  |   |  | 45                                    |  |  |   |   |  |
| pen Flow   |                             |   |  | Mcfd @ 14.6   |  |   | Deliverat  |                                       |  | · ,                                    | Mcfd @ 14.65 psi                              |   |  |
|  |                             |   |  |   |  |   |  |                                       | _  |  | rt and that he ha                             |   |  |
| e facts sta                                      | ated the                    | arein   | , and that said  | report is true  | and correct  | t. Executed   | this — 9   | ul da                                 | y of <u>□</u><br><b>∕</b> 1  | ecember                                | / /   | .20 13  |  |
|  |                             |   | AAdda  |   |  | <del></del>   | -  | $\mathcal{V}$                         | 10   | LW.                                    |   |   |  |
|  |                             |   | Witness (if an   | ry)   | Ļ  | CC W  | NCHI.  | <b>T</b> Mar                          | k Bie  | ker, Di                                | ompany<br>rector o                            | f Operat  |  |
|  |                             |   | For Commissi   | on  |  | V .   |  |                                       |  | Chec                                   | ked by  |   |  |

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| exempt status under Rule K<br>and that the foregoing press<br>correct to the best of my kno<br>of equipment installation and |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|
| and that the foregoing press<br>correct to the best of my kno<br>of equipment installation and                               | A.R. 82-3-304 on behalf of the operator Trek AEC, LLC sure information and statements contained on this application form are true and ewledge and belief based upon available production summaries and lease records |  |  |  |  |  |  |  |
| correct to the best of my kno of equipment installation and  |  |  |  |  |  |  |  |  |
| of equipment installation and  | wledge and belief based upon available production summaries and lease records  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | d/or upon type of completion or upon use being made of the gas well herein named.  Year exemption from open flow testing for theZ- Bar Ranch #17-1A  |  |  |  |  |  |  |  |
| gas well on the grounds that   |  |  |  |  |  |  |  |  |
| (Check one)  |  |  |  |  |  |  |  |  |
| is a coalb   | ped methane producer   |  |  |  |  |  |  |  |
| is cycled  | is cycled on plunger lift due to water   |  |  |  |  |  |  |  |
| is a source  | ce of natural gas for injection into an oil reservoir undergoing ER  |  |  |  |  |  |  |  |
|  | uum at the present time; KCC approval Docket No.   |  |  |  |  |  |  |  |
| ✓ is not cap   | pable 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  |  |  |  |  |  |  |  |
|  | orate this claim for exemption from testing.   |  |  |  |  |  |  |  |
| ,  |  |  |  |  |  |  |  |  |
| Data 12/0/12   |  |  |  |  |  |  |  |  |
| Date: 12/9/13  | <del></del>  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  | Malasto  |  |  |  |  |  |  |  |
|  | Signature:   |  |  |  |  |  |  |  |

## 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.

SCIC WICHITA

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