

**KANSAS CORPORATION COMMISSION**  
**ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST**  
(See Instructions on Reverse Side)

Type Test:

Open Flow  
 Deliverability

Test Date: 5/20/2013

API No.

15-095-21250-00-01

|                                 |          |                       |        |   |                  |
|---------------------------------|----------|-----------------------|--------|---|------------------|
| Company                         |          | Lease                 |        | Well Number                               |                  |
| Trek AEC, LLC                   |          | Voth A OWWO           |        | 1   |                  |
| County                          | Location | Section               | TWP    | RNG (E/W)                                 | Acres Attributed |
| Kingman                         | NW NW SW | 27                    | 28S    | 6W  |                  |
| Field                           |          | Reservoir             |        | Gas Gathering Connection                  |                  |
| Wildcat                         |          | Mississippian         |        | American Energies Pipeline                |                  |
| Completion Date                 |          | Plug Back Total Depth |        | Packer Set At                             |                  |
| 6/16/2004                       |          | 3982'                 |        | None                                      |                  |
| Casing Size                     | Weight   | Internal Diameter     | Set at | Perforations                              | To               |
| 4 1/2"                          | 10.5#    | 4.060"                | 3982   | 3942                                      | 3952             |
| Tubing Size                     | Weight   | Internal Diameter     | Set at | Perforations                              | To               |
| 2 3/8"                          | 5#       | 2"                    | 3950   |   |                  |
| Type Completion (Describe)      |          | Type Fluid Production |        | Pumping Unit or Traveling Plunger? Yes/No |                  |
| Open Hole                       |          | Saltwater             |        | No  |                  |
| Producing Thru (Annulus/Tubing) |          | % Carbon Dioxide      |        | % Nitrogen                                |                  |
| Tubing                          |          | 0.07                  |        | 6.76                                      |                  |
| Vertical Depth (H)              |          | Pressure Taps         |        | (Meter Run)(Prover) Size                  |                  |
| 3982' TD                        |          |                       |        |   |                  |

Pressure Buildup: Shut In 5/20/2013 at 9:30 a.m. (AM)(PM) Taken 5/21/2013 at 9:30 a.m. (AM)(PM)

Well On Line: Started 5/21/2013 at 9:30 a.m. (AM)(PM) Taken \_\_\_\_\_ at \_\_\_\_\_ (AM)(PM)

**OBSERVED SURFACE DATA**

| Static Dynamic Property | Orifice Size (inches) | Circ One Meter Prover Pressure psig (Pm) | Pressure Differential in inches H <sub>2</sub> O | Flowing Temperature t | Well Head Temperature | Casing Wellhead Pressures (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) |      | Tubing Wellhead Pressures (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>c</sub> ) |      | Duration Hours | Liquid Produced (Barrels) |
|-------------------------|-----------------------|--|--|-----------------------|-----------------------|---|------|---|------|----------------|---------------------------|
|                         |                       |  |  |                       |                       | psig  | psia | psig  | psia |                |                           |
| Shut-In                 |                       |  |  |                       |                       | 650   |      | 220   |      | 24             | 110 BWPD                  |
| Flow                    |                       |  |  |                       |                       |   |      |   |      |                |                           |

**FLOW STREAM ATTRIBUTES**

| Plate Coefficient (f <sub>o</sub> ) (F <sub>o</sub> ) mcfpd | Circ One Meter or Prover Pressure psia | Press Extension √PmXh | Gravity Factor F <sub>g</sub> | Flowing Temperature Factor F <sub>t</sub> | Deviation Factor F <sub>ν</sub> | Metered Flow R (mcf/d) | GOR (Cubic Feet/ Barrel) | Flowing Fluid Gravity G <sub>m</sub> |
|---|--|-----------------------|-------------------------------|---|---------------------------------|------------------------|--------------------------|--------------------------------------|
|   |  |                       |                               |   |                                 |                        |                          |                                      |

**(OPEN FLOW) (DELIVERABILITY) CALCULATIONS**

(P<sub>c</sub>)<sub>2</sub>= \_\_\_\_\_ (P<sub>w</sub>)<sub>2</sub>= \_\_\_\_\_ P<sub>a</sub>= \_\_\_\_\_ % (P<sub>c</sub>-14.4)+14.4= \_\_\_\_\_ (P<sub>a</sub>)<sub>2</sub>=0.207 (P<sub>a</sub>)<sub>2</sub>= \_\_\_\_\_

| (P <sub>c</sub> ) <sub>2</sub> -(P <sub>a</sub> ) <sub>2</sub> or (P <sub>c</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub> | (P <sub>c</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub> | Choose formula 1 or 2:<br>1. P <sub>c</sub> 2-P <sub>a</sub> 2<br>2. P <sub>c</sub> 2-P <sub>w</sub> 2<br>divided by P <sub>c</sub> 2-P <sub>w</sub> 2 | LOG of Formula 1. or 2. and divide by: [P <sub>c</sub> 2-P <sub>w</sub> 2] | Backpressure Curve Slope = "n" or Assigned Standard Slope | N X LOG [ ] | Antilog | Open Flow Deliverability Equals R X Antilog (mcf/d) |
|--|--|--|--|---|-------------|---------|---|
|  |  |  |  |   |             |         |   |

Open Flow Mcf/d @ 14.65 psia Deliverability 102 mcf/d Mcfd @ 14.65 psia

The undersigned authority, on behalf of the Company, states that he is duly authorized to make the above report and that he has knowledge of the facts stated therein, and that said report is true and correct. Executed this the 9th day of December 2013.

\_\_\_\_\_  
Witness (if any)  
For Commission

Mark Bieker  
For Company  
Mark Bieker, Operations Director  
Checked by \_\_\_\_\_

**KCC WICHITA**  
**FEB 11 2014**  
**RECEIVED**

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 Trek AEC, 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 the Voth A OWWO 1  
gas well on the grounds that said well:

(Check one)

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 the Commission  
staff as necessary to corroborate this claim for exemption from testing.

Date: 12/9/2013

Signature: Mark Bieker

Title: Mark Bieker, Operations Director

**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 under 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.

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