

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

Type Test:  Open Flow      Test Date: 8/20/2012      API No. ~~15-21989-0000~~ **15095-21989-0000**

Deliverability

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Company: Trek AEC, LLC      Lease: Voith A #2 OWWO      Well Number: 2

County: Kingman      Location: SE NW NW Section 27-T28S-R6W      Section: TWP      RNG (E/W)      Acres Attributed: 2

Field: Mississippi      Reservoir: American Energies Pipeline      Gas Gathering Connection: Packer Set At

Completion Date: 9/28/2005      Plug Back Total Depth: 4012      Packer Set At: 3900

Casing Size: 4 1/2"      Weight: 10.5#      Internal Diameter: 4.06      Set at: 4012      Perforations: 3892      To: 3900

Tubing Size: 2 3/8"      Weight: 5#      Internal Diameter: 2"      Set at: 2891      Perforations:      To:      Pumping Unit or Traveling Plunger? Yes/No

Type Completion (Describe): Single      Type Fluid Production: Saltwater

Producing Thru (Annulus/Tubing):      % Carbon Dioxide: 0.155      % Nitrogen: 5.876      Gas Gravity - G<sub>g</sub>: 0.6764

Vertical Depth (H): 4012      Pressure Taps:      (Meter Run)/(Prover) Size:

Pressure Buildup: Shut In 20-Aug 2012 at 8:45 a.m. (AM)(PM) Taken 21-Aug 2012 at 9:00 a.m. (AM)(PM) Duration Shut-in - 24 hours

Well On Line: Started 21-Aug 2012 at (AM)(PM) Taken 2012 at (AM)(PM)

**OBSERVED SURFACE DATA**

Static Dynamic Property	Orifice Size (inches)	Circle One Meter Prover Pressure psig (P <sub>m</sub> )	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						300		130		24	150 BWPD
Flow											

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (f <sub>b</sub> ) (F <sub>p</sub> ) mcfpd	Circle One Meter or Prover Pressure psia	Press Extension √PmXh	Gravity Factor F <sub>g</sub>	Flowing Temperature F <sub>11</sub>	Deviation Factor F <sub>w</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>d</sub>= \_\_\_\_\_ % (P<sub>c</sub>-14.4)+14.4= \_\_\_\_\_ (P<sub>c</sub>)<sub>2</sub>=0.207 (P<sub>d</sub>)<sub>2</sub>= \_\_\_\_\_

(P <sub>c</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub> or (P <sub>c</sub> ) <sub>2</sub> -(P <sub>d</sub> ) <sub>2</sub>	(P <sub>c</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub>	Choose formula 1 or 2: 1. P <sub>c2</sub> -P <sub>w2</sub> 2. P <sub>c2</sub> -P <sub>d2</sub> divided by P <sub>c2</sub> -P <sub>w2</sub>	LOG of Formula 1. or 2. and divide by: [P <sub>c2</sub> -P <sub>w2</sub> ]	Backpressure Curve Slope = "n" or Assigned Standard Slope	N X LOG [ ]	Antilog	Open Flow Deliverability Equals R X Antilog (mcf/d)

Open Flow      Mcfd @ 14.65 psia      Deliverability: 25 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 23rd day of December 2013

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

  
\_\_\_\_\_  
For Company  
\_\_\_\_\_  
Checked by

RECEIVED  
KANSAS CORPORATION COMMISSION

**DEC 26 2013**

CONSERVATION DIVISION  
WICHITA, KS

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 gas well on the grounds that said well:

Voth A #2

(Check one)

is a coalbed methane producer

is cycled on plunging 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: 12/23/2013

Signature: 

Title: Barry Considine, Pipeline Superintendent

**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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