

**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. 15-095-22046 - 0000

Company		Lease		Well Number	
Trek AEC, LLC		Wooldridge		A 3-16	
County	Location	Section	TWP	RNG (E/2)	Acres Attributed
Kingman	N/2 NE NE	16	27S	7W	
Field		Reservoir		Gas Gathering Connection	
Kingman		Mississippian		American Energies Pipeline	
Completion Date		Plug Back Total Depth		Packer Set At	
8/2/2006		4025'		3692'	
Casing Size	Weight	Internal Diameter	Set at	Perforations	To
4 1/2"	10.5#	4.060"	3939'	3798	3806
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8"	5#	2"	3692'		
Type Completion (Describe)		Type Fluid Production		Pumping Unit or Traveling Plunger? Yes/No	
Single		Saltwater		Pumping Unit	
Producing Thru (Annulus/Tubing)		% Carbon Dioxide		% Nitrogen	
Tubing		0.34		6.32	
Vertical Depth (H)		Pressure Taps		(Meter Run)(Prover) Size	
				0.7758	

Pressure Buildup: Shut In 5/20/2013 at 11:40 a.m. (AM)(PM) Taken 5/21/2013 at 1:00 a.m. (AM)(PM)  
 Well On Line: Started 5/21/2013 at 1:00 a.m. (AM)(PM) Taken \_\_\_\_\_ at \_\_\_\_\_ (AM)(PM)

**OBSERVED SURFACE DATA**

Static Dynamic Property	Orifice Size (inches)	Circle 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>c</sub> ) or (P <sub>i</sub> ) or (P <sub>e</sub> )		Tubing Wellhead Pressures (P <sub>w</sub> ) or (P <sub>i</sub> ) or (P <sub>e</sub> )		Duration Hours	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-In						830		300		24	80 BWPD
Flow											

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (h) (F <sub>p</sub> ) mcfpd	Circle 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>pv</sub>	Metered Flow R (mcfpd)	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>s</sub>= \_\_\_\_\_ % (P<sub>c</sub>-14.4)+14.4= \_\_\_\_\_ (P<sub>w</sub>)<sub>2</sub>=0.207 (P<sub>c</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>s</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>c</sub> 2-P <sub>w</sub> 2 2. P <sub>c</sub> 2-P <sub>s</sub> 2 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 (mcfpd)

Open Flow Mcfpd @ 14.65 psia Deliverability 50 mcfpd Mcfpd @ 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*  
 \_\_\_\_\_  
 Mark Bieker, Operations Director  
 For Company  
 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

Woodridge A 3-16

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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