

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

Type Test:  Open Flow      Test Date: 5/20/2013      API No. 15-095-20332 - 0000

Deliverability

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Company: Trek AEC, LLC      Lease: Lakin      Well Number: 1

County: Kingman      Location: NE SW NE      Section: 6      TWP: 28S      RNG (E/2): 6W      Acres Attributed: 640

Field: Negro Creek      Reservoir: Mississippi Chert      Gas Gathering Connection: American Energies Pipeline

Completion Date: 3/29/1974      Plug Back Total Depth: 3847'      Packer Set At: None

Casing Size: 5 1/2"      Weight: 14.0#      Internal Diameter: 5.012      Set at: 3842      Perforations: 3842      To: 3847

Tubing Size: 2 3/8"      Weight: 4.7#      Internal Diameter: 2"      Set at: 3840      Perforations: 3840      To: 3840

Type Completion (Describe): Single      Type Fluid Production: Saltwater      Pumping Unit or Traveling Plunger? Yes/No

Producing Thru (Annulus/Tubing): Single      % Carbon Dioxide: 0.12      % Nitrogen: 2.936      Gas Gravity - Gg: 0.662

Vertical Depth (H): 3847'      Pressure Taps: (Meter Run)(Prover) Size

Pressure Buildup: Shut in 5/20/2013 at 9:00 a.m. (AM)(PM) Taken 5/21/2013 at 9:00 a.m. (AM)(PM)

Well On Line: Started 5/21/2013 at 9:00 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 H2O	Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressures (Pw) or (Pt) or (Pc)		Tubing Wellhead Pressures (Pw) or (Pt) or (Pc)		Duration Hours	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in						495		225		24	180
Flow											

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (h) (Fp) mcfpd	Circle One Meter or Prover Pressure psia	Press Extension $\sqrt{PmXh}$	Gravity Factor Fg	Flowing Temperature Factor F11	Deviation Factor Fpv	Metered Flow R (mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity Gm

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

(Pc)2= \_\_\_\_\_ (Pw)2= \_\_\_\_\_ Pc= \_\_\_\_\_ %      (Pc-14.4)+14.4= \_\_\_\_\_      (Pc)2=0.207  
(Pc)2= \_\_\_\_\_

(Pc)2-(Pw)2 or (Pc)2-(Pc)2	(Pc)2-(Pw)2	Choose formula 1 or 2: 1. Pc2-Pa2 2. Pc2-Pd2 divided by Pc2-Pw2	LOG of Formula 1. or 2. and divide by: [Pc2-Pw2]	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 58 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)

Mark Bieker  
\_\_\_\_\_  
For Company

\_\_\_\_\_  
For Commission

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 American Energies Corporation 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 Lakin 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 Bleker  
 Title: Mark Bleker, 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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 KANSAS COMMISSION ON  
 GOVERNMENT