

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

Type Test:

Open Flow  
 Deliverability

Test Date: 3/17/2011

API No.

15-155-20028 - 0002

Company	American Energies Corporation	Lease	Voran	Well Number	A-1
County	Reno	Location	C SW NW	Section	38
		TWP	26S	RNG (E/2)	7W
Field	McCutcheon	Reservoir	Mississippian	Gas Gathering Connection	American Energies Pipeline
Completion Date	12/18/1994	Plug Back Total Depth	3836	Packer Set At	
Casing Size	5 1/2"	Weight	14.0#	Internal Diameter	5.012
		Set at	3870'	Perforations	3799
Tubing Size	2 3/8"	Weight	5#	Internal Diameter	2"
		Set at		Perforations	
Type Completion (Describe)	Single	Type Fluid Production	Seawater	Pumping Unit or Traveling Plunger?	Yes/No
Producing Thru (Annulus/Tubing)	Tubing	% Carbon Dioxide	0.1077	% Nitrogen	3.0345
Vertical Depth (H)		Pressure Taps		Gas Gravity - Gg	0.872
				(Meter Run)(Prover) Size	

Pressure Buildup: Shut In 3/18/2011 at 2:15 p.m. (AM)(PM) Taken 17-Mar 2011 at 3:15 p.m. (AM)(PM)

Well On Line: Started 17-Mar 2011 at  (AM)(PM) Taken 2011 at  (AM)(PM)

**OBSERVED SURFACE DATA**

Static Dynamic Property	Orifice Size (Inches)	Orifice 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>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						360		240		24	174 BWPD
Flow											

**FLOW STREAM ATTRIBUTES**

Plate Coefficient (N) (F <sub>s</sub> ) mcfpd	Orifice 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>w</sub>	Metered Flow R (mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G <sub>m</sub>

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

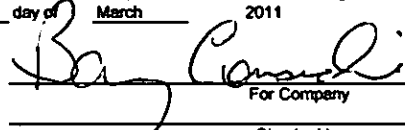
(P<sub>e</sub>)<sub>2</sub>= \_\_\_\_\_ (P<sub>w</sub>)<sub>2</sub>= \_\_\_\_\_ P<sub>w</sub>= \_\_\_\_\_ % (P<sub>w</sub>-14.4)+14.4= \_\_\_\_\_ : (P<sub>e</sub>)<sub>2</sub>=0.207 (P<sub>w</sub>)<sub>2</sub>= \_\_\_\_\_

(P <sub>e</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub> or (P <sub>e</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub>	(P <sub>e</sub> ) <sub>2</sub> -(P <sub>w</sub> ) <sub>2</sub>	Choose formula 1 or 2: 1. P <sub>e2</sub> -P <sub>w2</sub> 2. P <sub>e2</sub> -P <sub>d2</sub> divided by P <sub>e2</sub> -P <sub>w2</sub>	LOG of Formula 1. or 2. and divide by: [P <sub>e2</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 Mcf/d @ 14.65 psia Deliverability Mcf/d @ 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 17th day of March 2011

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

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

RECEIVED  
JUN 13 2012  
KCC WICHITA

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 Corp. 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 VORAN # A-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 Commission staff as necessary to corroborate this claim for exemption from testing.

Date: 3-17-2011

Signature: Ben Conradi  
Title: Supervisor

**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.

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