

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. 15-095-22252-00-00

Company		Lease			Well Number
Trek AEC, LLC		SCHWARTZ-STUART			1-21
County	Location	Section	TWP	RNG (E/2)	Acres Attributed
Kingman	C NW NE NE SW	21	27S	7W	
Field	Kingman	Reservoir	Mississippi		
Completion Date	5/11/2012	Plug Back Total Depth	3862'		
Casing Size	Weight	Internal Diameter	Set at	Perforations	To
5 1/2"		4200'		3878'	3883
Tubing Size	Weight	Internal Diameter	Set at	Perforations	To
2 3/8"		3863'		& Packer	
Type Completion (Describe)	Type Fluid Production		Pumping Unit or Traveling Plunger? Yes/No		
Single	Saltwater		NO		
Producing Thru (Annulus/Tubing)	% Carbon Dioxide	% Nitrogen	Gas Gravity - G _g		
Tubing	0.11	3.53	0.6693		
Vertical Depth (H)	Pressure Taps		(Meter Run)(Prover) Size		
	Flange		Meter Run		

Pressure Buildup: Shut In 5/20/2013 at 8:00 a.m. (AM)(PM) Taken 5/21/2013 at 8:00 a.m. (AM)(PM)

Well On Line: Started 5/21/2013 at 8:00 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 ₂ O	Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressures (P _w) or (P _c) or (P _o)		Tubing Wellhead Pressures (P _w) or (P _c) or (P _o)		Duration Hours	Liquid Produced (Barrels)
						psig	psia	psig	psia		
Shut-in								800	815	24	4
Flow											

FLOW STREAM ATTRIBUTES

Plate Coefficient (h) (F _o) mcfpd	Circ One Meter or Prover Pressure psia	Press Extension √PmXh	Gravity Factor F _g	Flowing Temperature Factor F _t	Deviation Factor F _p	Metered Flow R (mcf/d)	GOR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m

(OPEN FLOW) (DELIVERABILITY) CALCULATIONS

(P_c)₂= _____ (P_w)₂= _____ P_e= _____ % (P_e-14.4)+14.4= _____ (P_e)₂=0.207 (P_o)₂= _____

(P _c) ₂ -(P _e) ₂ or (P _c) ₂ -(P _o) ₂	(P _c) ₂ -(P _w) ₂	Choose formula 1 or 2: 1. P _{c2} -P _{e2} 2. P _{c2} -P _{o2} divided by P _{c2} -P _{w2}	LOG of Formula 1 or 2, and divide by (P _{c2} -P _{w2})	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 82 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.

Mark Bieker

Witness (if any)

For Commission

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 SCHWARTZ-STUART 1-21 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.

WICHITA
FEB 11 2014
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