KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	•			(See Instruc	tions on Re	verse Side	:)				
Ор	en Flow				Took Dod				4.51	N 45			
√ De	liverabilty	•			Test Date 7/4/14	1:				No. 15 -21120-000	0		
Company Trek AEC, LLC					Lease Reed	Lease			Well Number 1-16				
County Ellsworth			ocation SE	Section 16			TWP 16S		RNG (E/W) 7W		Acres Attributed 320		
Field Kanak			Reservoir Grand H				Gas Gathering Connection American Energies Pipelir						
Completion Date 02/01/2010				Plug Bac 2290	k Total Dep 2580	th	Packer Set at None		et at				
Casing Size 4.5			Weight .5		Internal Diameter 4.090		Set at 2290		Perforations 1780		то 1798		
Tubing Si None	٧	Veight		Internal Diameter		Set at		Perforations		То	То		
Type Con Single (Describe)			Type Flui Gas	d Productio	n		Pump Ur No	it or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tub Casing				y) % Carbon Dioxi .081			ide	e % Nitrogen 49.176			Gas Gravity - G _g 0.856		
Vertical D	epth(H)					Pres Flan	sure Taps				(Meter Run) (Prover) Size 2.067		
Pressure	Buildup:	Shut in				АМ	(AM) (PM)				14 _{at} 8 AM	(AM) (PM)	
Well on Li	ine:	Started	7/4	20	14 at 8:	MA 00:	(AM) (PM)	Taken	······································	20	at	(AM) (PM)	
					_	OBSERVE	D SURFAC	E DATA			Duration of Shut	in 24 Hours	
Static / Dynamic Property	Orifice Size (inches)	l Mater I		Pressure Differential in Inches H ₂ 0	t t temperature Tempera		wellhead Pressur (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		Poig	(,,	menes H ₂ O		<u> </u>	psig 95	125	psig	psia	24		
Flow													
						FLOW STE	REAM ATTR	IBUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fact F _q	or	Flowing Temperature Factor F _{ri}	Fa	iation ctor _{pv}	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Censits	
(D.)3				, ,			/ERABILITY					² ≈ 0.207	
$(P_c)^2 = $ $(P_c)^2 - (F_c)^2 - ($	ŀ	(P _o) ² - (P _w)	12 1	; cose formula 1 or 2: 1. P _c ² - P _a ² 2. P _c ² - P _d ² led by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo As	or - 14.4) + ssure Curve pe = "n" or signed ard Slope	n v I	.og []	(P _d) Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	<u></u>			Mcfd @ 14.	65 psia		Deliverat	oility 9 mc	:fd		Mcfd @ 14.65 ps	ia	
				ehaif of the	and correc	t. Executed		th	o make th		ort and that he ha	s knowledge of	
		Wi	tness (if any	A)		DEC 1	7 2011.		VIQ		Company		
		Fo	r Commissio		1	REC	r zui4 EIVED		Mark Bie	ker	cked by -		
							v = U						

exempt status unde	r penalty of perjury under the laws of the state of Kansas that I am authorized to request by Rule K.A.R. 82-3-304 on behalf of the operator Trek AEC, LLC by pressure information and statements contained on this application form are true and
of equipment instal	of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named.
	unds that said well:
☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: Mark Bieker, Director of Operations

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.