KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					See Instruc	tions on Re	everse Side)			
Oper	n Flow	•		Test Date	. .			ADI	No. 15		
✓ Deliv	verabilty			7/9/201					-21114-000	o ·	
Company TREK AEC	C, LLC					Lease BETTE	NBROCK			1-28	Well Number
County Location ELLSWORTH NE SW NE			Section 28		TWP 16S		RNG (E/W) 7W		Acres Attributed		
Field KANAK				Reservoi GRAND	HAVEN/II	NDIAN CA	VE		hering Conn CAN ENER	ection GIES PIPELINE	E, LLC
Completion 8/21/03	Date	•		Plug Bac 2181	k Total Dept	th ,		Packer S	et at		
Casing Size Weight 4.5			Internal Diameter		Set at 2220		Perforations 1656		то 1660		
Tubing Size 2.375	Tubing Size Weight 2.375		Internal Diameter		Set at 2039		Perforations		То	То	
Type Compl	letion (D	escribe)	\	Type Flui SW	d Production	1		Pump Un YES -		Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) % Carbon Did ANNULUS .029				arbon Dioxi	de	le % Nitrogen 43.589			Gas Gravity - G _g .600		
Vertical Dep	oth(H)			-	Pres: FLAI	sure Taps NGE				(Meter I	Run) (Prover) Size
Pressure Bu	nilqno.	Shut in 7/9		13 _{at} 8	:00 AM	(AM) (PM)	Taken 7/	10	20	13 _{at} 8:00 A	M(AM) (PM)
Well on Line		Started 7/10		13 at 8	OO ARA					at	, , , , , , , , , , , , , , , , , , , ,
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in 24 Hours
Dynamic	Orifice Size (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Oifferential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Wellhead	Pressure	Wellhea (P _w) or	ubing ad Pressure (P _i) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						4	128	psig	psia	24	,
Flow				in the second of the second							
	1	Circle one		1	FLOW STR		IBUTES	-		•	
Plate Coeffiecien (F _b) (F _p) Mcfd		Meter or Prover Pressure psia Press Extension Pmxh		Gravity Factor F _g		Temperature Fa		liation Metered Flori lictor R F _{pv} (Mcfd)		GOR Flowing (Cubic Feet/Barrel) Flowing Fuid Gravity G _m	
			* 1								
				•	OW) (DELIV		•				² = 0.207
(P _c) ² =		(P _w) ² =_	hoose formula 1 or 2:	P _d =		1	P _c - 14.4) +	14.4 =	:	(P _d)	
(P _e) ² - (P _a) ^{or} (P _e) ² - (P _a) ^{or}		P _e) ² - (P _w) ²	1. P _c ² -P _s ² 2. P _c ² -P _c ² (Mided by: P _c ² -P _c ²)	LOG of formuta 1. or 2. and divide by:	P _c ² -P _w ²	Sio	essure Curve pe = "n" - or signed lard Slope	n x L	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
		1		Ţ,							
				1		<u> </u>		·			
Open Flow			Mcfd @ 14.6	65 psia		Deliveral	oility 20			Mcfd @ 14.65 psi	a
	_	-	behalf of the			•	0	make the	e above repo	rt and that he ha	s knowledge of, 2013
		Witness (if	ROV	-	KCC V	VICH	TAM	سها		Sompany of the second	<u>. </u>
		For Commis			FEB 1	1 201		BIE	KER, OF	PERATION Red by	DIRECTOR

exempt status under and that the forego- correct to the best of of equipment install	r penalty of perjury under the laws of the state of Kansas that I am authorized to request r Rule K.A.R. 82-3-304 on behalf of the operator TREK AEC, LLC ing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. It a one-year exemption from open flow testing for the BETTENBROCK 1-28 unds that said well:
	s a coalbed methane producer s cycled on plunger lift due to water s a source of natural gas for injection into an oil reservoir undergoing ER s on vacuum at the present time; KCC approval Docket No s not capable of producing at a daily rate in excess of 250 mcf/D o supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to Date: 12/2/13	o corroborate this claim for exemption from testing.
	Signature: 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 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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