KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	-					
Op	en Flo	w			Test Date	Test Date: API No. 15								
✓ Deliverabilty						7/4/2014 053-21114-0000								
Company TREK AEC, LLC						Lease BETTENBROCK						Well Number 1-28		
County Location ELLSWORTH NE SW NE				Section 28		TWP 16S			W)	•	Acres Attributed			
Field KANAK					Reservoir GRAND HAVEN/INDIAN CAVE			Gas Gathering Connection AMERICAN ENERGIES PIPELINE, LLC						
Completion Date 8/21/03				Plug Bac 2181	Plug Back Total Depth 2181				Packer Set at					
Casing Size Weight 4.5				Internal D	Diameter		Set at 2220		rations 6	To 1660	то 1660			
Tubing Size Weight 2.375				Internal Diameter		Set at 2039		Perforations		То	То			
Type Con	•	n (De	escribe)		Type Flui SW	d Productio			Pump Ur YES -	nit or Traveling	g Plunger? Yes	/ No		
		(Anı	nulus / Tubin	g)		arbon Dioxi	ide		% Nitrog		Gas Gr	avity - G	, i,	
ANNULUS				.029	.029			43.58	.600					
Vertical Depth(H)					Pressure Taps FLANGE					(Meter I 2"	Aun) (Pr	over) Size		
Pressure	Buildu		Shut in			14 at 8:00 AM (AM) (PM) Taken 7/4							AM) (PM)	
Well on L	.ine:		Started 7/4	2	0 <u>14</u> at 8	:00 AM	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in} 24	Hours	
Static / Orific		I Motor		Pressure Differential	Flowing Temperature	Well Head Temperature	Maliband Braccura		Tubing Wellhead Pressure		Duration	Liquid	Liquid Produced	
Property	,		Prover Press psig (Pm)	in Inches H ₂ 0	t	t	(P _w) or (F	or (P _o) psia	(Pu) o	r (P ₁) or (P ₀)	(Hours)	E (E	(Barrels)	
Shut-in							75	125			24			
Flow							<u> </u>		ł					
						FLOW STE	REAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fac F	tor	Flowing Temperature Factor F _{f1}	Deviation Factor F _p ,		Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
	<u>.</u>			L										
(P _c) ² =			(D)3		•	• •	/ERABILITY % (I	-		,	_	² = 0.2	07	
		<u>- · </u>	$ (P_w)^2 = : $ Choose formula 1 or 2:				_% (P _c - 14.4) +		- 1		(P _a)	1	Open Flow	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c)²- (P _w)²		1. P _c ² -P _a ² 2. P _a ² -P _a ² divided by: P _c ² -P _a	LOG of formula 1, or 2, and divide by:		Slope = "n"or Assigned Standard Slope		n x LOG		Antilog	Deliverability Equals R x Antilog (Mcfd)		
								_						
					_									
Open Flo	w			Mcfd @ 14	.65 psia		Deliveral	oility 20			Mcfd @ 14,65 ps	ia		
		•					_				ort and that he ha		•	
the facts s	stated 1	herei	in, and that s	aid report is tru					dayof <u>J</u>	uly I	20/ 1	, 2	0 14	
M1 07 - 122-11 - 17 - M1			Witness	(if any)		CC N	AICHIL		M		Company	บ	10 Tester	
			For Com	πission		DEC_1	7 2014	MAR	K BIE		PERATION ecked by	DIRE	CTOR	
						REC	EIVED			•				

,
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 BETTENBROCK 1-28 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 processory to correlected 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.