KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:		· (S	ee Instruct	ions on Re	verse Side))			•	
Open Flow		Test Date:				۸۵	l No. 15			
Deliverabilty		7-9-2013					1 No. 15 3-21140-000	0		
Company Trek AEC,LLC				Lease Kanopo	olis Feder	al		1-22	Well Number	
County Loc Ellsworth SW	ocation Section 22		TWP 16S		RNG (E/W) 7W		Acres Attributed			
Field Kanak		Reservoir Tarkio			Gas Gathering Conn American Energies					
Completion Date 10/31/05	Plug Back Total Depth 1814			h	Packer Set at 1720					
Casing Size Wei 1/2 9.5	jht	Internal Diameter 4		Set	Set at Perforations 1762		то 1766			
Tubing Size Wei 2 3/8 4.7	ght	Internal Diameter 2			Set at Perforations 1720		orations	То		
Type Completion (Describe) Single		Type Fluid SW	Production	1		Pump U No	nit or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tub	% Ca	% Carbon Dioxide			% Nitrogen		Gas Gr	Gas Gravity - G _g		
ubing		0.008				43.07	43.076		0.753	
Vertical Depth(H)		Pressu Flango		sure Taps ge				(Meter Run) (Prover) Size 2" meter run		
Pressure Buildup: Shut in								13 _{at} 2:00pr		
Well on Line: Started 7-	10 20	13 at 2:0	JUPM	(AM) (PM)	Taken	•	20	at	(AM) (PM)	
·,			OBSERVE	D SURFAC	E DATA			Duration of Shut	-in <u>24</u> Hou	
Static / Orifice		Flowing Well Head Temperature		Wellhead	Casing Wellhead Pressure (P,) or (P,)		Tubing ead Pressure or (P,) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Property (inches) psig (Pn) Inches H ₂ 0	t	t	psig	psia	psig	psia			
Shut-In .						90	105			
Flow										
Plata Circle one:		F	FLOW STR	EAM ATTR	RIBUTES					
Plate Circle one: Coefficient (F _b) (F _p) Mcfd Prover Pressure psia	Press Extension P _m xh	Gravity Factor F _g	′ l T	Flowing emperature Factor F ₁	Fa	iation ector _{pv}	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Gravity	
	<u> </u>									
D 12		(OPEN FLO			•				² = 0.207	
$P_{c}^{2} = $: $(P_{w})^{2}$	Choose formula 1 or 2:	P _d =		1	- 14.4) +	T	:	(P _d)	2 =	
$ \begin{array}{c cccc} (P_c)^2 - (P_a)^2 & (P_c)^2 - (P_w)^2 & 1. & P_c^2 - P_a^2 \\ or \\ (P_c)^2 - (P_d)^2 & 2. & P_c^2 - P_d^2 \\ divided by: & P_c^2 - P_w^2 \end{array} $		LOG of formula 1. or 2. and divide by: P 2 - P 2 w		Slo	Backpressure Curve Slope = "n" Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	· · · · · · · · · · · · · · · · · · ·									
		,	-							
Open Flow	Mcfd @ 14.6	5 psia		Deliverab	oility 25			Mcfd @ 14.65 ps	a	
The undersigned authority,	on behalf of the C	Company, sta	ates that he	e is duly au	uthorized to	o make t	he above repo	ort and that he ha	s knowledge, of	
e facts stated therein, and that	said report is true	and correct.	Executed	this the 10	Oth	day of _	uly		, 20 <u>13</u>	
Witness	(if any)				Illo) (محري	Company	KCC WIC	
For Con				_				cked by	MAR 24 21	
									RECEIV	

I declare under	penalty of perjury	under the laws of th	ne state of Kar	sas that I a	m authorized	to request	:
	r Rule K.A.R. 82-3-3					• • •	
•	ing pressure inform				ation form a	re true and	ļ
correct to the best of	of my knowledge and	d belief based upon	available prod	uction summ	naries and lea	se records	;
of equipment install	ation and/or upon ty	pe of completion or	upon use being	made of the	gas well her	ein named.	٠.
I hereby reques	st a one-year exemp	tion from open flow	testing for the	Kanopolis F	ederal 1-22		-
gas well on the gro	* P					•	**
(Check d	one)						
	is a coalbed methan	e producer				•	
	is cycled on plunger	lift due to water		+ - 0 - 4 +			
	is a source of natura	ıl gas for injection ir	ito an oil resen	voir undergo	ing ER		
	is on vacuum at the	present time; KCC a	pproval Docke	t No			
	is not capable of pro	oducing at a daily ra	te in excess of	250 mcf/D		*.	
				*			
I further agree	to supply to the bes	t of my ability any a	nd all supporti	ng documen	ts deemed b	y Commiss	ion
staff as necessary	to corroborate this o	laim for exemption	from testing.				
				. *4.			
Date: 3-13-2014					•		
, .		•	* * * * * * * * * * * * * * * * * * * *				
	•				•		
						•	
		Signature:	a.e	182			• •
		.9		-		· · · · · · · · · · · · · · · · · · ·	

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.

MAR 24 2014

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