KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Re	verse Side)					
Open Flow					Toot Date	Took Date:				lo. 15				
Deliverabilty					Test Date: April19&20, 2011				16. 15 07-21504-0	0000				
Company Chieftain Oil Co., Inc.						Lease Eck						Well Number		
County Location Barber SE SW NE					Section 30		TWP 32			/)	• • •	Acres	Attributed	
Field Antrim					Reservoir Mississippi			Gas Gathering Connection West Wichita Gas Gathering, LLC						
Completion Date Sept. 26, 1982				Plug Bac	k Total Dept	h	Packer Set at None							
Casing S			Weight 10.5	ıt		Internal Diameter 4.052		Set at 4538		Perforations 4436				
Tubing Size Weight 2.375 4.7				nt	Internat (Diameter	Set at 4471		Perforations Open		4446 To	То		
Type Completion (Describe) Single				Type Flui	Type Fluid Production Oil/Water/Gas			Pump Unit or Traveling Plunger? Yes / No Pumping						
Producing Thru (Annulus / T				g)		% Carbon Dioxide		le		% Nitrogen		Gas Gravity - G		
Annulus Vertical Depth(H)					Pressure Taps					(Meter	Run) (F	Prover) Size		
4441			<i>A</i> _1	0	11				20		11			
Pressure Buildup:								Taken 4-20						
Well on Line:			Started	2	zu at		(AM) (PM)	laken		20	at		(AM) (PM)	
						OBSERVE	D SURFAC	E DATA			Duration of Shu	t-in <u>2</u>	4Hours	
Static / Dynamic Property	Dynamic Size		Circle one Meter Prover Press		Flowing Well Head Temperature		Wellhead			bing I Pressure P _t) or (P _c)	Duration (Hours)	4 .	Liquid Produced (Barrels)	
		.,	psig (Pm)	Inches H ₂ 0	· ' ' ' '		psig	psia psig		psia		 		
Shut-In							179.9				24			
Flow														
	 ,-				1	FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) F Mcfd			Circle one. Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fac F	tor T	Tomosouture		ation ctor	Metered Flow R (McId)	GOF (Cubic F Barre	eeV	Flowing Fluid Gravity G	
/D \2 -			(D.)2			OW) (DELIV		•			_)² = 0.2	207	
(P _c) ² =	1	<u> </u>	(P _*)² =	Choose formula 1 or 2	P _d =	<u>`</u>	1	ssure Curve	14.4 =	;	(P _e) ² =		
$(P_e)^2 - (P_a)^2$ or $(P_e)^2 - (P_d)^2$		(P,	()² - (P _m)²	1. P _c ² ·P _s ² 2. P _c ² ·P _d ² divided by P _c ² ·P _s	2. Pr Pr d 1. or 2. and divide		P ² -P ² Stand		n x LC	og	Antilog	Del Equals	pen Flow liverability s R x Antilog (McId)	
Open Flo	<u> </u> w			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 p:	sia		
		nnad	authority o			states that h			maka tha		rt and that he h		wladas si	
				aid report is tru				1-7	day of	May	nt and that he h	,	20	
a	uau	N	a 12	u								REC	EIVED	
		-1/4	Witness	.,			-			- 00	ompany	FER	1-0-2012	
			For Comr	nission			•			Chec	•			
											K	CC V	VICHITA	

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 Chieftain Oil Co., Inc. 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 <u>Eck #1</u> 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 necessary to corroborate this claim for exemption from testing.
Date: May 17, 2011 Signature: Title: Tesi DEnt

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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