KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

*

Type Test:	: en Flo	w				•	;	itructi	ions on Rev	erse Side								
Del	liverab	ilty				Test Date 9-4 thru		013				No. 15 007-10	298-0	0-00				
Company HERMAN		OEF	B, LLC			0 1 1 1 1 1	<u> </u>	-	Lease ROOT B						3	Well No	ımber	
County Locat BARBER C S2 N								TWP 33S		RNG (E/W) 13W			,		Acres Attributed			
Field MEDICIN	NE LC	DG	E			Reservoir MISSIS		 \N		-,,-	Gas Gar ONEO	•	Conne	ction			***************************************	
Completion Date 8-25-1939					Plug Bac 4820	k Total	Depti				cker Set at ONE				•			
Casing Size 7.000			Weig 24.0			Diameter		Set at 4809		Perforations 4549			то 4570					
Tubing Size 2.375			Weight 4.70		Internal 1.995		Diameter		Set at 4623		Perforations OPEN				To			
Type Completion (Describe) SINGLE					Type Fluid Production GAS					Pump Unit or Traveling Pt PUMPING				Plunger?	? Yes	/ No		
Producing	_	(Anı	rulus / Tubi	ng)		% C	arbon (Dioxic	de		% Nitrog	jen			Gas Gr	avity -	G	
Vertical D		i)					I	Press	sure Taps	····					(Meter I	Run) (P	rover) Size	
Pressure I	Buildu	p:	Shut in9~	4	2	0 13 at 2	:00 PM	VI.	(AM) (PM)	Taken 9-	5		20 _	13 at	2:15 P	M	(AM) (PM)	
Well on Li	ine:	;	Started		20	0 at			(AM) (PM)	Taken	<u> </u>		20 _	at _			(AM) (PM)	
	•						OBSE	RVE	D SURFACE	DATA				Duration	of Shut-	_{in 24}	Hours	
Static / Dynamic Property	c Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Differential Temperature		ead ature	Casing Wellhead Pressure $(P_w) \propto (P_t) \propto (P_c)$ psig psia		Wellhe (P _w) o	Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In	st-In				•				40	psia	psig			24				
Flow														,				
							FLOW	STR	EAM ATTRI	BUTES								
Ptate Coefficeient (F,) (F,) Mcfd		Orde one: Meter or Prover Pressure psia			Press Extension	Gravity Factor F _g		Flowing Temperature Factor F,		Fac	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
P _c) ² =		_:	(P_)2	<u> </u>	:	(OPEN FLO	OW) (DE	ELIVE	ERABILITY) 6 (P	CALCUL - 14.4) +			_:		(P _a) ⁽ (P _d) ⁽	² = 0.2 ² =	:07	
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		(P _c)²- (P _u)²		;	080 formula 1 or 2: 1. P ₂ ² - P ₂ ² 2. P ₃ ² - P ₃ ² led by: P ₂ ² - P ₂ ²	LOG of formula 1, or 2, and divide by:		2	Slope 	sure Curve e = "n" or gned rd Slope	n x		roe		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow	<u> </u>				Mcfd @ 14.6	55 psia			Deliverabil	ity	<u> </u>			lcfd (2 1	4.65 psi	a		
The u	ındersi	ignec	authority, o	on b	ehalf of the	Company, s	tates th	at he	e is duly aut	horized to	make th	ne above	report	and tha	at he ha	s know	ledge of	
ne facts sta	ated ti	herei	n, and that s	said :	report is true	and correct	t. Exec	uted 1	this the 29	<u>тн</u> ,	tay of S	EPTEM	IBER	. 1			20 13 .	
			Witness	(if any	r)			_		/	40a	<u> </u>	ForCo	mpany KA	NSAS CO		EIVED	
			For Com	missio	n			_					Check				2 2013	

exemp and the correc	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB, LLC at the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records pment installation and/or upon type of completion or upon use being made of the gas well herein named
l h	ereby request a one-year exemption from open flow testing for the ROOT B 3
	Il on the grounds 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 rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss necessary to corroborate this claim for exemption from testing.
Date: _	9-29-2013
	Signature: Man Vieth Title: HERMAN L. LOEB, LLC

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.

RECEIVED KANSAS CORPORATION COMMISSION