KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Rev	erse Side)					
Op	en Flo	w			Tool Date				401	No. 45				
De	liverab	ilty			Test Date 10-17-	2011				No. 15 -007-1033:	3-00-00			
Company		LO	EB, LLC.			,	Lease ANGEL	L .	-	•	('B'	Well Nu	mber	
County BARBE	R		Location C SE/4		Section 30		TWP 33S		RNG (E/W) 13W			Acres A	Attributed	
Field MEDIC	INE I	-0[)GE		Reservoir MISSIS		* 4	, ,,		hering Conn				
Completio 4-19-46		ė			Plug Bac 4913	Plug Back Total Depth 4913			Packer Set at NONE					
Casing S 7.000	ize		Weight 24.000		Internal [6.336	Diameter	Set a 534 3			rations 7	то 4878			
Tubing Size 2.375			Weight 4.70		Internal D 1.995		Set a 4831		Perforations OPEN		То			
Type Con		n (De	escribe)			Type Fluid Production GAS,OIL,WATER			Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing	Thru	(Anr	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	jen .	Gas G	ravity - (3,	
ANNUL														
Vertical D 4862	epth(H	1)			· ' -	Pres	sure Taps				(Meter	, ,	rover) Size	
Pressure	Buildu	p: :	Shut in10-1	7-11 2	0 at		(AM) (PM)	Taken 10			at			
Well on L	ine:		Started	2	0 at		(AM) (PM)	Taken		20	at	((AM) (PM)	
,				· · · · · · · · ·		OBSERVE	D SURFACE				Duration of Shut	-in_24	Hours	
Static / Dynamic Property	ynamic Size		Circle one: Meter Prover Pressul psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In	-		F-13 (1 11)				psig 32	psia	psig	psia	24		,	
Flow														
					<u> </u>	FLOW STR	EAM ATTRI	BUTES				<u></u>	, , , , , , , , , , , , , , , , , , , 	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _c	tor T	Flowing emperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	w GOR (Cubic Fo Barrel)	eet/	Flowing Fluid Gravity G _m	
										· · · · · · · · · · · · · · · · · · ·				
/D \2			(P _w) ² =				ERABILITY) % (P				(P _a ;	$0.2^2 = 0.2$	07	
(P _c) ² =	T		···	hoose formula 1 or 2	P _d =		1	c - 14.4) +	1		(F _d ,	I		
(P _c) ² - (F or (P _c) ² - (F		(P	(_c) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² ivided by: P_c² - P_d² 	LOG of formula 1. or 2. and divide by:	P _c ² -P _w ²	Slop	e = "n" origned ird Slope	n' x	LOG	Antilog	Del Equals	pen Flow iverability R x Antilog (Mcfd)	
								. ,			•			
										ق				
Open Flor	w `			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia		
The u	undersi	gnec	I authority, on	behalf of the	Company, s	states that h	e is duly aut			•	ort and that he ha	as know	ledge of	
the facts si	tated th	nerei	n, and that sai	d report is true	and correc		this the 18	BTH .	day of $\frac{0}{0}$	ctober	. 00		20 11 .	
			14 <i>n</i>		· ·	<u>پا</u>	_	S	lesti	H. D	Chau		Arm	
			Witness (if			,				For (company	KE	CEIVED	
			For Commit	sion						Che	cked by	NCT	2 4 20	

	· v
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB , LLC.
and that the fore	going pressure information and statements contained on this application form are true and
correct to the bes	t of my knowledge and belief based upon available production summaries and lease records
of equipment insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby requ	est a one-year exemption from open flow testing for the ANGELL B
gas well on the gr	rounds that said well:
(Check	
	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
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	e to supply to the best of my ability any and all supporting documents deemed by Commission
_	y to corroborate this claim for exemption from testing.
stall as necessar	y to corrobotate this claim for exemption from testing.
Date: 10-18-11	
	-
	Signature: Leshi H. Oldham
	Title: REP. 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.