KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					,	Jee iisti	uctions on ne	verse side	"				
= .	en Flo iverab				Test Date					No. 15	20.00		
Company					12-11 th	12-12	Lease	11Ch 	15-	007-01816-0		Well Number	
HERMAN L. LOEB, LLC County Location					Section		TWP	HARBAUGH TWP		W)		Acres Attribute	ed
BARBER C SE SE NE			33				11W			- PE	-		
Field ROUNDUP SOUTH					Reservoir MISSIS	r SIPPIAN	1		Gas Gathering Conr ATLAS		ection	DEC KCC V	:UE/
Completion Date 12-8-1953				Plug Bac 5100	k Total De	epth		Packer Set at			REC	13	
Casing Size			Weight 15.00		Internal (4.408	Internal Diameter 4.408		Set at 4557		rations 3	To 4495	KCC V	VICI
•			Weigh 4.70	nt	Internal I 1.995	Internal Diameter 1.995		Set at 4450		rations EN	То		
Type Completion (Describe) SINGLE					d Product	tion		Pump Unit or Traveling Plant PUMPING		Plunger? Yes	/ No		
Producing	Thru	(Anı	nulus / Tubin	g)		Carbon Die	oxide		% Nitrog	jen	Gas Gr	avity - G _g	
ANNUL /ertical D		1)				Pr	essure Taps				(Meter	Run) (Prover) S	Size
Pressure	Buildu	יס:	Shut in 12-	-11	20 12 at 6	:45 AM	(AM) (PM)	Taken 12	2-12	20	12 _{at} 7:00 A	M (AM) (P	(M)
Well on L		•									at		(M'
		·			· · · · · · · · · · · · · · · · · · ·	OBSER	VED SURFAC	E DATA			Duration of Shut-	-inI	Hours
Static / Orifice			Circle one: Meter Prover Pressi	Pressure Differential ure in	Flowing Temperature	, ,	Wellhead	Casing Wellhead Pressure (P _m) or (P _n) or (P _n)		Tubing ead Pressure r (P _e) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)	
Property	roperty (inche		psig (Pm)		1	t t	psig	psia	psig	psia	,	(Gallero)	
Shut-In							143				24		
Flow													
			•			FLOW S	TREAM ATTR	BUTES				_	
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Circle ane: Meter or Prover Pressure psia		Press Extension ✓ P _B x h	Extension Fact		Flowing Temperature Factor F _n	Fa	riation actor F _{pv}	Metered Flor Fl (Mcfd)	w GOR (Cubic Fe Barrel)	I Grou	iid vity
ے ع			(P _w) ² =		(OPEN FL P _d =	, ,	IVERABILITY % (1) CALCUL P _e - 14.4) +			(P _a) (P _d)	y² = 0.207 y² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 1. P _c ² -P _a ² 2. P _c ² -P _d ² divided by: P _c ² -P	LOG of formula 1. or 2. and divide		Backpre Sio	essure Curve pe = "n" - orssigned lard Slope	, n x	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
					105							<u> </u>	
Open Flo	W			Mcfd @ 14	.65 psia		Deliveral	olity	····		Mcfd @ 14.65 ps	ia	—
		_	•	on behalf of the	•		•			DECEMBER	ort and that he ha	as knowledge (
·····			Witness ((if any)		<u>.</u>		ر	wan	/ser	Company		
			For Comm	nission						Che	cked by		

Form G-2 (Rev. 7/03)

KCC WICHITA

	clare 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
and tha	t the foregoing pressure information and statements contained on this application form are true and
of equip	to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the HARBAUGH 1
	on the grounds that said well:
staff as	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 Commission necessary to corroborate this claim for exemption from testing.
	Signature: <u>Han Lath</u>
	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.