Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruc	tions on Reve	erse Side	»)				
□ Ор	en Flo	W			Test Date				ADI	No. 15			
Deliverabilty				12-4 THRU 12-5, 2015				арі No. 15 15-007-01816-00-00					
Company		LO	EB, LLC		** <u>**</u>		Lease HARBAL	JGH		-	1	Well Number	
County Location BARBER C SE SE NE			Section 33		TWP 33S		RNG (E/W) 11W		Acres Attributed				
Field ROUND	UP:	SO	UTH	<u>,</u>	Reservoir MISSIS	SIPPIAN	ı		Gas Gath	ering Conn	ection		
Completion Date 12-8-1953				Plug Back Total Depth 5100				Packer S	et at			-	
			Weight 15.00	_	1nternal E 4.408	Internal Diameter 4.408			Perforations 4453		то 4495		
Tubing Size 2.375			Weight 4.70		Internal Diameter 1.995		Set at 4450		Perforations OPEN		То		
Type Completion (Describe) SINGLE				Type Fluid Production GAS, WATER			.	Pump Unit or Traveling Plunger? Yes / No PUMPING					
Producing	_	(Ап	nulus / Tubing)	-	•	arbon Dioxi	ide		% Nitroge	en	Gas Gı	avity - G	ì,
Vertical D		1)				Pres	sure Taps		···		(Meter	Run) (Pr	over) Size
Pressure	Buildu	 D:	Shut in 12-4		15 at 8:	45 AM	(AM) (PM) 1	aken 12	2-5	20	15 at 8:45 A	M (AM) (PM)
Well on L											at		,, ,
		_				OBSERVE	D SURFACE	DATA		_	Duration of Shut-	in_24	Hours
'Static / Dynamic Property			Circle one: Meter Prover Pressur		temperature temperature		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		l Produced Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 120	psia	psig	psia	24		-
Flow													-
, 						FLOW STE	REAM ATTRIE	UTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Fac	Gravity T Factor F _g		Flowing Deviation Factor F _p ,		Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
										.			
(P _c) ² =		_:	(P _w) ² =_	:	-		'ERABILITY) % (P.		ATIONS 14.4 =	:	(P _e) (P _d)) ² = 0.2(07
(P _c) ² - (I		(F	P _c) ² - (P _w) ²	hoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²		: == "n" or gned	l n x i	og 📗	Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
											<u> </u>		
Open Flo	w			Mcfd @ 14.	.65 psia		Deliverabili	ity			Mcfd @ 14.65 ps	ia	
The	undersi	igne	d authority, on	behalf of the	Company, s	states that h	e is duly auti	norized t	o make th	e above repo	rt and that he ha	as know	ledge of
the facts s	tated ti	herei	in, and that sai	d report is true	e and correc	t. Executed	this the 13	<u>TH</u>	day of DI	ECEMBER	2	, 2	<u>15</u> .
			Witness (if	any)		DEC 16	2015	XVa	mlla	For	Company		
			For Commis	sion		RECE	IVED -			Che	cked by		

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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 HERMAN L. LOEB, LLC 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 HARBAUGH #1 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: 12-13-2015
Signature: <u>Har Viato</u>
KCC WICHITA Title: REP. HERMAN L. LOEB, LLC
DEC 1 6 2015 RECEIVED

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.