## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			•	See Instruci	ions on Hav	rerse Side	7				
	en Flow			Test Date	<b>)</b> :			API	No. 15			
	liverabilt	<b>y</b>			k15,2011				095-2133	<del></del>		
Company HERM/		LOEB, LLC	<u> </u>	·		Lease VOTH				#1	Well Nu	mber
County Location KINGMAN C SW NE			Section 30		28\$		RNG (E/W) 6W		Acres Attributed			
Field NEGRO CREEK SOUTH			Reservoir INDIAN CAVE			Gas Gathering Connection LUMEN ENERGY						
Completion Date 5-20-83			Plug Back Total Depth 2093				Packer Set at NONE					
		Weig 10.5		Internal Diameter 3.927		Set at 2108		Perforations 2026		то 2030		
Tubing Size Weight 2.375 4.70			Internal Diameter 1.995		Set at 2065		Perforations OPEN		To			
Type Completion (Describe) SINGLE			Type Fluid Production GAS,WATER		n	-		Unit or Traveling Plunger? Yes / No PING		/ No		
Producing Thru (Annulus / Tubing) ANNULUS			ന്മു)	% Carbon Dioxide				% Nitrogen Gas Gravity - G <sub>e</sub>				
Vertical D					Pres	sure Taps				(Meter	Run) (Pi	rover) Size
Pressure	Buildup:	Shut in11	-14-11 2	0at		(AM) (PM)	Taken_11	-15-11	20	at	(	AM) (PM)
Well on L	ine:	Started	2	0 at	<del></del>	(AM) (PM)	Taken		20	at	(	AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in 24	Hours
Static / Dynamic Property	Orifico Size (inches	Moter Prover Press	Differential in	Floaring Temperature t	emperature Temperature		Casing  Thead Pressure  () or (P <sub>1</sub> ) or (P <sub>c</sub> )  by psta		lubing ad Pressure (P <sub>1</sub> ) or (P <sub>c</sub> ) pota	Duration Li (Hours)		d Preduced Barrels)
Shut-in						300				24		
Flow										ļ	<u> </u>	
	-		<del></del>	· · · · · · · · · · · · · · · · · · ·	FLOW STR	EAM ATTRI	BUTES	·····				
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) McId		Cocto one: Meter or Prover Pressure psia	Press Extension Paxh	Grav Fact	or Temperature		Doviation Factor F <sub>pv</sub>		Metered Flow R (Metd)	GOR (Cubic Fo Barrel)		Flowing Fluid Gravity G <sub>n</sub>
		· · · · · · · · · · · · · · · · · · ·		(225)								
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> )2:	=:	(OPEN FL		ERABILITY) % (P.	CALCUL - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	2 = 0.24 2 =	07
(P <sub>e</sub> )² - (F or (P <sub>e</sub> )² - (F	_	(P <sub>c</sub> )²- (P <sub>w</sub> )²	1. P <sup>2</sup> -P <sup>2</sup> 2. P <sup>2</sup> -P <sup>2</sup> consists P <sup>2</sup> -P <sup>2</sup>	LOG of formula 1. or 2. arel d'Arida	P.2. P.2	Stop	sure Curve e = "n" or igned ard Slope	nxl	.og [	Antilog	Deli Equats	en Flow verability R x Antilog (Mcfd)
Open Flor			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	l a	
The u	ındersig	ned authority, o	on behalf of the	Company, s	tates that h	e is cludy aud	thorized to	make th	e above repo	ert and that he ha		ledge of
the facts st	tated the	erein, and that s	sald report is true	and correc	I. Executed	this the 16			OVEMBE	A ()()	2	20 11
		Wilhelm	(Jeny)		<del></del>	_		les	lin N. O	Wham		
		For Com				_			<b>C4-</b>	cked by	RFC	<del></del>
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										KO	-7 ( 71:	s 2011
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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 VOTH #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: 11 16-11
Signature: <u>Les Le H. Oldkann</u> Title: <u>REP. HERMAN L. LOEB LLC.</u>

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 yearty 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.