## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Tes	ı.				,	oce monuci	ions on he	verse side	,					
Open Flow Deliverabilty.			Test Date: 4-18&19-2011						API No. 15 15-155-19069-00-00					
Company HERMAN L. LOEB, LLC.					1	Lease PAT HAINES		,w - \$		# 1	Well Number # 1			
County RENO			Location CNW SE.		Section 8 c.		TWP 25S		RNG (E/W) 5W		Acres Attribute		uted	
Field YODER EXT.					Reservoir MISSIS	Reservoir MISSISSIPPI		r - 7		thering Conr EN ENERC	nection SY	tion		
Completion Date 12-16-77			, , , t ' <u>(</u>	I	Plug Bac 3486	Plug Back Total Dept 3486			Packer NON		. ‡ . *			
Casing Size 5.500			Weight 15.50		Internal I 5.012	Internal Diameter 5.012		Set at 3574		Perforations 3442		то 3454		
Tubing Size 2.375			Weight 4.70		Internal Diameter 1.995		Set at 3450		Perfo OP	orations EN	То	То		
Type Completion (De SINGLE			escribe)			Type Fluid Production GAS,WATER		<b>I</b>		Pump Unit or Traveling Plunger? Yes / PUMPING				
Producing ANNUL	-	ı (Anı	nulus / Tubing	g)	% C	arbon Dioxi	de	, f	% Nitro	gen <sub>,</sub>	Gas (	Gravity - G <sub>g</sub>		
Vertical D 3458	Depth(	H)		Pressu				y			,	r Run) (Prove	r) Size	
Pressure	Buildu	up:	Shut in 4-1	8-11	0 at						at	(AM)	(PM)	
Well on Line:			Started							20	at	(AM)	(PM)	
					. ***		D SURFACI	E DATA		,	Duration of Shu	t-in 24 `	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Temperature Temperature		Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )  psig psia		Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)		Liquid Produced (Barrels)	
Shut-in	Shut-In						350		psig psia		24 '			
Flow														
<del></del>		ı		r	1 -	FLOW STR	EAM ATTR	IBUTES			· · · · · · · · · · · · · · · · · · ·		<del></del> 1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) McId		Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fact F <sub>c</sub>	tor 1	Flowing Femperature Factor F <sub>ft</sub>	Fa	ation ctor	Metered Flo R (Mcfd)	w GOF (Cubic F Barre	eet/ G	lowing Fluid Gravity G <sub>m</sub>	
								,						
					(OPEN FL	OW) (DELIV	ERABILITY	) CALCUL	ATIONS			$_{a})^{2} = 0.207$		
(P <sub>c</sub> ) <sup>2</sup> =		<u> </u>	(P <sub>w</sub> ) <sup>2</sup> =		P <sub>d</sub> =	9	% (P	<sub>c</sub> - 14.4) +	14.4 = _	<u> </u>	(P	<sub>d</sub> ) <sup>2</sup> =		
(P <sub>c</sub> ) <sup>2</sup> - (P <sub>a</sub> ) <sup>2</sup> or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>c</sub> ) <sup>2</sup>		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup> LOG of formula		Backpres: Slope		n x	LOG	Antilog	Open F Delivera Equals R x	bility	
v c/ v d/		<u> </u>	divided by: $P_c^2 - P_w^2$					Standard Slope		L J		(Mcfc	5) *	
				·		_ + +_ 1		• 4.	4	· · · · · · · · · · · · · · · · · · ·	<b>*</b>	1		
Open Flow Mcfd @ 14.65 psia				• •	Deliverab	eliverability Mcfd @ 14.65 psia			sia					
		signer	authority o	11 8 9 1 28	•	tates that h			make t	he above ren	ort and that he f		e of	
		-		aid report is true			•					, 20 _		
L.	7	,	>	9/13 · m				. (	Les	lie Hi	Oldhan	n		
			Witness (i	f any)		•	,		-	For	Company	,		
			For Comm	ission		<del></del>				Che	cked by			

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 PAT HAINES 详 /
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.
D. 0.16.11
Date: 9-16-11
Signature: Seslie 9. Olahan
Title: REP. HERMAN L. LOEB LLC.
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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.