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

Type Test: (See Instruc							structio	tions on Reverse Side)									
Open Flow					Test Dat	e·		1		ΔI	PI No.	101	8				
Deliverabilty 10-							0-28&29,2010			API NO 21018 15-155-20-00							
Company HERMAN L. LOEB								Lease CHESTER HAINES					Well Number 2-8				
County Location RENO SW SW SE					Section 8			TWP RNG (E/W) 25S 5W				,	Acres Attributed				
Field YODER				Reservoir MISSISSIPPI			Gas Gathering Connection LUMEN ENERGY										
Completion Date 2-16-85					Plug Back Total Depth .3600			Packer Set at NONE									
Casing Size 5.500			Weight 14.000			Internal Diameter 5.000			Set at Perforations 3599 3450			то <b>3460</b>					
Tubing Size 2.375			-	Weight 4.70			Internal Diameter 1.995			at 50	Perforations OPEN			То			
Type Completion (Describe) SINGLE					Type Fluid Production GAS,WATER			Pump Unit or Traveling PUMPING				Plunger? Yes / No					
Producing Thru (Annulus / Tubing) ANNULUS					% (	% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>					
Vertical E 3455	Depth(H	1)						Pressu	re Taps					(Meter	Run) (P	rover) Size	
Pressure	Buildu	p: :	Shut in 10	-28		0 at		(/	AM) (PM)	Taken_1	0-29-10	) 20	a	t		(AM) (PM)	
Well on L	.ine:	;	Started									20	a	t		(AM) (PM)	
			. * .				OBSE	RVED		E DATA			Duratio	on of Shut-	in	Hours	
Static / Dynamic Property	Orific Size (inche	ze Prover Pressure in		Flowing Well Head Temperature t		ature	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		(P <sub>w</sub> )	Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)			
Shut-In									420	psia	paig	рыа	24				
Flow						<del></del>											
				Τ-			FLOW	Π		RIBUTES		1					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Circle one: Meter or Prover Pressure psia			Press Extension Pmxh	Gravity Factor F <sub>g</sub>		Ten	lowing perature Factor F <sub>11</sub>	ure Deviation		Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G <sub>m</sub>	
								L									
P <sub>c</sub> ) <sup>2</sup> =		_;	(P)² =	=	:	(OPEN FLO	OW) (DI	ELIVER %		<b>/) CALCUL</b> P <sub>c</sub> - 14.4) +		:		(P <sub>a</sub> ) <sup>2</sup>	2 = 0.2 2 =	07	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F	"	(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  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> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		2	Backpressure Curve Slope = "n" Assigned Standard Slope		•	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
							•					4					
						<u> </u>	,										
Open Flov					Mcfd @ 14.6			1	Deliverat	··········			•	14.65 psi			
			authority, o									he above repo NOVEMBEI		hat he ha		edge of	
							-	_	-		lest	ligh. C	206	Theen	· ·	RECEIVE	
			Witness (	ır any)				_		,		For C	ompany		A		
			For Comn	nission	1			i				Chec	ked by		-1	1 <del>0V 05</del> 2	

exempt status of and that the fo	ander penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB regoing pressure information and statements contained on this application form are true and test of my knowledge and belief based upon available production summaries and lease records
of equipment in	nstallation and/or upon type of completion or upon use being made of the gas well herein named.  quest a one-year exemption from open flow testing for the CHESTER HAINES #2-8
	grounds that said well:
[ ] I further aç	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  gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: <u>4-11-10</u>	Signature: <u>Les lie A. Olcham</u>
	Title: REP. HERMAN L. LOEB

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.