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

Type Tes	st:						(See Instructi	ons on R	leverse Sid	le)					
Open Flow						Total Dat					N. 45				
Deliverabilty						Test Dat 10-228	e: <b>&amp;</b> 23,2010	API No. 15 15-155-20947							
Company HERMAN L. LOEB								Lease NOR	RIS			#2	Well N	umber	
County Location RENO 1150'FNL&1980'FWL				Section 8		TWP RNG (E/W) 25S 5W		W)	Acres Attributed						
YODER SOUTHEAST.					Reservoi MISSI	ir SSIPPI	Gas Gathering Conne LUMEN ENERG								
Completion Date 3443				Plug Bac 3582	ck Total Depth	n <sub>i</sub>	Packer Set at NONE			2 .					
Casing S 5.500	sing Size Weight 500 14.00			Internal I 5.000	Diameter	Set at <b>3582</b>		Perfor	rations	то 3443					
Tubing Size 2.375			Weight 4.70			Internal Diameter 1.995		Set at 3473		Perforations OPEN		То			
Type Completion (Describe) SINGLE				Type Fluid Production GAS,WATER		J			g Plunger? Yes / No						
Producing Thru (Annulus / Tubing) ANNULUS					Carbon Dioxid					Gas Gravity - G					
Vertical E		l)					Press	ure Taps	*			(Meter	Run) (F	Prover) Size	
3439	5. ".		Shut in	)-22	2-10			+	1	0-23-10	· · · · · · · · · · · · · · · · · · ·	at			
Pressure Well on L															
	une:		Started		2	u ar		AM) (PM)	) laken		20	at		(AM) (PM)	
			,		· · · · · · · · · · · · · · · · · · ·	r	OBSERVED	SURFAC	CE DATA		N. 78	Duration of Shut	i-in	Hours	
Static / Dynamic Property	mic Size		Circle one:  Meter  Prover Pressure  psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>r</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)		
Shut-in			paig (r iii	,	inches H <sub>2</sub> 0			psig 400	psia	psig	psia	24	1		
Flow															
							FLOW STRE	AM ATTE	RIBUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Gra Extension Fa  ✓ P <sub>m</sub> xh f		Tompometuro		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	v GOR (Cubic Fo	eet/	Flowing Fluid Gravity G <sub>m</sub>	
					<del></del>			•							
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup>	=	•	(OPEN FLO	OW) (DELIVE %		<b>/) CALCUL</b> P <sub>c</sub> - 14.4) +			(P <sub>a</sub> ) (P <sub>d</sub> )	$0^2 = 0.2$	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Cha	ose 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>	LOG of formula 1. or 2. and divide p 2. p 2		Backpressure Curve Slope = "n"		n x LOG		Antilog	Op Del Equats	Open Flow Deliverability Equals R x Antilog (Mcfd)	
				divid	ed by: $P_c^2 - P_w^2$	by:		Statio	ard Slope					Meray	
Open Flow Mcfd @ 14.65 psia								Deliverability Mcfd @ 14.65 psia							
The u	ındersiç	gned	authority, o	on be	ehalf of the	Company, s	tates that he	is duly a				rt and that he ha	s know	ledge of	
he facts st	ated th	ereir	n, and that s	said ı	report is true	and correct	. Executed th	nis the <u>4</u>	TH .	day of NO	OVEMBER	7 7 7	, :	20 10 .	
			1402	C4	· ·		.	^	_&	Tesh	7. O	Ulkan			
			Witness					_		·	For C	ompany		RECEIV	
			For Com	missio	n		1	_			Chec	ked by		THE WELV	

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exempt statu and that the correct to the of equipmen I hereby	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request a under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB  foregoing pressure information and statements contained on this application form are true and a best of my knowledge and belief based upon available production summaries and lease records trinstallation and/or upon type of completion or upon use being made of the gas well herein named. The request a one-year exemption from open flow testing for the NORRIS #2  the grounds that said well:
	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
	Signature: <u>Elskir H-Oldhan</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.