KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:						(See Ins	struct	tions on Re	verse Side	e)				
Open Flow Test Date:								API No. 15							
Company 10-22&23,201)10	15-155-20370 Well Number						
HERM		. LC	··						NORR	IS			#1		
RENO	445,4 4 444,977, 44			Location C NW NE			Section 8			TWP 25\$		RNG (E/W) 5W		Acres	s Attributed
Field Reservoir YODER SOUTHEAST. MISSISSIPPI								PI	: !			ering Coni			
Completion Date Plug Back Total De 6-27-77 3488							Dept	h	,	Packer Se NONE	et at				
Casing S 5.500	• • • • • • • • • • • • • • • • • • • •	Wei 14.0			Internal Diameter 5.000			Set at 3474		Perforations 3474		To 348	 88		
Tubing Si	ize	Weight 4.70				Internal Diameter			Set at 3474		Perforations OPEN		То		
Type Completion (Describe) Type Fluid Product SINGLE GAS,WATER										Pump Uni	t or Travelin	g Plunger? \	es / No	0	
Producing Thru (Annulus / Tubing) % Carbon Diox									PUMPING ide % Nitrogen Ga					Gravity	- G _a
ANNULUS Vertical Depth(H) Pre								Droop	sure Taps	· .			(24.0)	has Dival	(Dayler) Circ
3481	epuili	''		 .		£.*	· · · · · · · · · · · · · · · · · · ·	riess	ure raps		:		(IVIB	er Hun)	(Prover) Size
Pressure	Buildu	ıp:	Shut in 10)-22	2-10	0 at			(AM) (PM)	Taken_10	-23-10	20) at		_ (AM) (PM)
Well on L	ine:		Started		20	0 at			(AM) (PM)	Taken		20) at		_ (AM) (PM)
							OBSE	RVE	D SURFACE	DATA			Duration of S	nut-in	Hours
I		fice Circle on Meter			Pressure Differential	Flowing Temperature	Well Head Temperature t		Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Lic	quid Produced
Property			es) Prover Press psig (Pm)		in Inches H ₂ 0	t			(P _w) or (P	psia	(P _w) or (P ₁) or (P _c) psia	(Hours)		(Barrels)
Shut-In						<u> </u>			150				24		
Flow							<u></u>								
	- 1					1	FLOW	STRI	EAM ATTRI	BUTES					
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension	Grav Fact F _g	tor	Flowing Temperature Factor F ₁₁		Devia Fac F _p	tor	Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
								į	· · · · · · · · · · · · · · · · · · ·						
(D \2 _			/D \2				OW) (DE		RABILITY)					$P_a)^2 = 0$.207
(P _c) ² =		•	(P _w) ²	Choc	se formula 1 or 2:	P _d = .		%	· · · · · ·	- 14.4) +	14.4 =	<u>:</u>	(1	P _d) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		- 2	1. P _c ² -P _a ² LOC form 2. P _c ² -P _d ² 1. or and d by: P _c ² -P _w ² by		·		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LC	og 📗	Antilog	D	Open Flow deliverability als R x Antilog (Mcfd)
						ļ		<u> </u>							
								1							
Open Flow	<i>'</i>				Mcfd @ 14.6	55 psia		- 1	Deliverabi	lity			Mcfd @ 14.65	psia	
								- 1					rt and that he	has kno	_
he facts sta	ated th	ereir	n, and that s	said r	report is true	and correct	Execu	ted t	his the 41	<u>п</u> о	ay of NC	VEMBE	-000		, ₂₀ <u>10</u> .
· · · · · · · · · · · · · · · · · · ·			Witness	(if any)			- į		<u> </u>	Zest	For C	Oldliae Company	n_	
			For Com	mission	n		····	- i			·		cked by		RECEIV
								i				Offec			NOV 05
															· · · · · · · · · · · · · · · · · · ·

KCC WICHITA

exempt state and that the correct to the of equipme	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator HERMAN L. LOEB e foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records and installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the NORRIS #1
l furthe	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
Date: <u>4-11</u>	Signature: Leshe A Oloham Title: 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.