KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				6	See Instruc	tions on Rev	erse Side	e)			
	n Flow verabilty	<i>!</i>		Test Date);				No. 15 185-20,767-0	0000	
Company Northern Lights Oil Co., L.C.				Lease BRENSING						1-21	Well Number
County Location Stafford C SE SW			Section 21		TWP 24S		RNG (E/W) 15W		,	Acres Attributed	
Field Farmington				Reservoir Kinderh				Gas Gathering Connec LUMEN ENERGY		ection	
Completion Date 9/24/1977			Plug Bac 4300'	k Total Dep	th		Packer 8 None	Set at			
Casing Size Weight 4 1/2" 10.5#			Internal Diameter		Set at 4299'		Perforations 4208'-4212'		То	,	
Tubing Size Weight 2 3/8" 4.7#			Internal C	Diameter		Set at 4201'		Perforations			
Type Completion (Describe) Single (Gas)				Type Fluid Production SW			Pump, Unit or Traveling Plunger? Yes / No Pumping Unit				
Producing Tubing	Thru (A	Annulus / Tubi	ng)	% C	arbon Dioxi	ide		% Nitrog	en	Gas G	iravity - G _g
Vertical Depth(H)				Pressure Taps Flange				·		(Meter	Run) (Prover) Size
Pressure E	Buildup:	Shut in	Nov 25 20		0:Z0	(AM) (PM)			20	at	(AM) (PM)
Well on Line: Started			/4 at /0:25 (AM) (PM) Taken_			(18	20	at	(AM) (PM)		
	1.4				OBSERVE	ED SURFACE	DATA			Duration of Shu	t-in 2 F Hours
Static / Orifice Dynamic Size Property (inches		Meter	Differential sure in	Flowing Well He Temperature t		Mollhoad Proceitto		Tubing Wellhead Pressure (P _w) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		113(,			35	psia	psig	psia		
Flow						118					
					FLOW STR	REAM ATTRI	BUTES			- 	
Plate Coeffiecie (F _b) (F _p) Mofd		Circle one: Meter or Prover Pressure psia	Press Extension √ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F ₁₁	Fa	riation actor _{pv}	Metered Flow R (Mcfd)	GOF (Cubic F Barre	eet/ Fluid
(P _c) ² =		: (P _w) ²	=:	•	* *	/ERABILITY) % (P.	CALCUL - 14.4) +		:		$a^{2} = 0.207$ $a^{2} = 0.207$
(P _o) ² - (P _a or (P _o) ² - (P _d		(P _c) ² - (P _w) ² (P _c) ² - (P _w) ² 2. P _c ² - P _d divided by: P _c ² -		LOG of formula 1. or 2. and divide D 2. D		Backpressure Curv Slope = "n" or Assigned Standard Slope		l n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow			Mcfd @ 14.6	•		Deliverabi				Mcfd @ 14.65 p	
	_	-	on behalf of the said report is true			3	74	o make the	ne above repo	rt and that he t	_
		Witness	s (if any)		KCC I	WICHE	FA	<u> </u>	Sauge 19	ompany ellerig	
		For Cor	mmission		JAN (0 5 2015			CH/	ked by	

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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 Northern Lights Oil Co., L.C.
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 BRENSING 1-21
gas well on 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 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: 12-27-2014
KCC WICHITA Signature: EXPLORATION MANAGER RECEIVED

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.