KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Reve	rse Side)			
Open Flow				Test Date	Test Date: API No. 15							
✓ De	eliverat	oilty			iesi baie					85-20,753-	0000	
Company Northern Lights Oil Co., L.C.				Lease SUITER "B"			"B"			1-20	Well Number 1-20	
County Location Stafford NW SE SE				Section 20				RNG (EA	N)	1	Acres Attributed	
Field Farmington			Reservoir Kinderh			Gas Gathering Conne LUMEN ENERGY			ection			
Completion Date 7/15/1977			Plug Bac 4215'	k Total Dep	lh		Packer S None	et at				
Casing Size Weight 4 1/2" 10.5#			Internal Diameter		Set at 4285'		Perforations 4183'-4187'		To 4202'-	то 4202'-4204'		
Tubing Size Weight 2 3/8" 4.7#				Internal D	Diameter	Set at 4173'		Perforations		То	То	
Type Con Single (Type Flui	d Production			<u> Բստը Սո</u>	it or Traveling	Plunger? Yes	/ No
	• •		nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitroge	en	Gas Gr	avity - G _g
Tubing											(1.1	D 1/D 1
Vertical Γ	Pepth()	1)				Pres Flan	sure Taps ge				(Meter 2"	Run) (Prover) Size
Pressure	Buildu	ıp:	Shut in	Nav 25 2	0 <i>19</i> at	/o : os	(AM) (PM) 1	aken	34	20	at	(AM) (PM)
Well on L	.ine:		Started	Nov 16 2	0 <u>{ </u>	16:05	(AM) (PM) 1	aken	140	20	at	(AM) (PM)
			,	<u>.</u>		OBSERVE	D SURFACE	DATA			Duration of Shut-	in Z F Hours
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Pressi		Flowing Temperature t	Well Head Temperature	. Wellhead Pressure		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			psig (Pm)	Inches H ₂ 0			psig 3 4	psia psig		psia	•	 -
Flow			 				140					
			L			FLOW STF	EAM ATTRIE	BUTES	l			
Plate Coeffictient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fac		Flowing Temperature Factor F ₁₁	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fe Barrel)	Grauity
<u></u>					(OBEN EL	OW) /DELIN	ERABILITY)	CALCIII	ATIONS	·		
(P _c) ² =		_:	(P _w) ² =	::	P _d =			- 14.4) +		:	/ (P _a) (P _d)) ² = 0.207) ² =
(P _c) ² - (1 or (P _c) ² - (1	a,	(F	P _c) ² - (P _w) ²	Chaose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2- P.2	Assi	sure Curve = "n" or gned d Slope	nxL	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w		-	Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	
		signe	d authority, o	n behalf of the	Company, s	states that h	ne is duly aut	horized to	o make th	e above repo	rt and that he ha	as knowledge of
·				aid report is true				24			Дес	. 🔏 🕕
			Wilness (if any)		KCC I	WICH!	<u> </u>		ForC	Company	
								8 €	-32	twe 1/2	Surger	
			For Com:	masion		JAN (0 5 2015			Cityer	aneu by	

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exempt status under Rule K.A.R. 8	rjury under the laws of the state of Kansas that I am authorized to request 2-3-304 on behalf of the operator Northern Lights Oil Co., L.C.						
5 7 ,	nformation and statements contained on this application form are true and						
	ge and belief based upon available production summaries and lease records						
	on type of completion or upon use being made of the gas well herein named.						
	kemption from open flow testing for the SUITER "B" 1-20						
gas well on the grounds that said	Neil:						
(Check one)							
is a coalbed me	ethane producer						
is cycled on plunger lift due to water							
is a source of r	natural gas for injection into an oil reservoir undergoing ER						
is on vacuum a	t 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	e best of my ability any and all supporting documents deemed by Commission						
staff as necessary to corroborate	this claim for exemption from testing.						
Date: 12-27-20/4	<i>f</i>						
<u> </u>							
	$\sim 10^{1}$						
KCC WICHITA							
JAN 05 2015	Signature:						
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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^r 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.