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

Type Test	t:				(	'See Instruci	tions on Re	verse Side	9 <i>)</i>				
-	en Flor liverab				Test Date	∌:				No. 15 185-20,753-00	000		
Company Northern Lights Oil Co., L.C.					Lease SUITER "B"							Well Number 1-20	
County Location Stafford NW SE SE				Section 20		TWP 24S		RNG (E/W) 15W			Acres Attributed		
Field Farmington					Reservoii Kinderh			Gas Gathering Connection LUMEN ENERGY			etion	NOV 05	
Completion Date 7/15/1977				Plug Bac 4215'	k Total Dept	th		Packer S None	Set at		701 05		
Casing Size Weight 4 1/2" 10.5#				Internal [	Diameter	Set at <b>4285</b> '		Perforations 4183'-4187'		To <b>4202</b> '-	A204' RECE/		
Tubing Si	ize	4.7#		Diameter		Set at Perforations 4173'			То				
Type Con Single (		1 (De		•	• •	d Production			Pump Ur	nit or Traveling F	Plunger? Yes	/ No	
Producing	• •	(Anı	nulus / Tubing	)		arbon Dioxi	de		% Nitrog	en		avity - G <sub>g</sub>	
Tubing											<i>r</i>		
Vertical D	• `	,				Flan	_ /	,			2"	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in				(AM) (PM)	Taken		20 _	at	(AM) (PM)	
Well on L	.ine:		Started	10-18 <sub>2</sub>	0 <u>/5</u> at	7:20	(AM) (PM)	Taken		20 _	at	(AM) (PM)	
	I		I		ı	OBSERVE	D SURFAC		T		oration of Shut-	in <u>Z</u> Hours	
Static / Dynamic Property	nic Size Prover Press		ł	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Head Temperature t		(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			F-13 (- 11)				4Z	psia	psig	ыва	<u> </u>	•	
Flow							185						
						FLOW STR	EAM ATTR	RIBUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fac F <sub>s</sub>	tor	Flowing femperature Factor F <sub>tt</sub>	Fa	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	I Gravity	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =_	;	(OPEN FL	OW) (DELIV		') CALCUL P <sub>c</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =	
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (!	a.	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	thoose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ ivided by: $P_c^2 - P_w$	LOG of formula 1, or 2. and divide	F <sub>c</sub> <sup>2</sup> -F <sub>w</sub> <sup>2</sup>	Slo	essure Curve pe = "n" - or ssigned lard Slope	n x i	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			and a contract of the contract										
Open Flo				Mcfd @ 14.			Deliveral				cfd @ 14.65 ps		
		•	d authority, on				•		to make th	ne above report		sknowledge of	
			Witness (if	any)					<u>ک</u>	Teve Lia	mpany Drecky		
			For Commi	ssion			-			Checke	ed by U		

ovomnt etatus un	ler penalty of perjury un der Rule K.A.R. 82-3-304				equest
	going pressure informat				ue and
	it of my knowledge and b allation and/or upon type	,	·		
	est a one-year exemptio	•	<del>-</del>	3" 1-20	
gas well on the g	rounds that said well:				). _
(Check	( one)				KCC W NOV 05 RECEI
	is a coalbed methane	producer			NOV 05
	is cycled on plunger li	ft due to water			RECT
	•	•	an oil reservoir underg	oing ER	TOE
	is on vacuum at the pr				
$\checkmark$	is not capable of prod	ucing at a daily rate	in excess of 250 mcf/D		
_	e to supply to the best only to corroborate this cla			nts deemed by Co	mmission
		Signature:			

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.