KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

type rest	t:					(see insin	ictions on Hev	rerse Sioi	3)				
[::::2] _	Open Flow ✓ Deliverability						} :				No. 15			
الشا		y	······································							.15-	185-23692-00		Mall	ımho-
Company Northern Lights Oil Co., L.C.						Lease Munz						2 ′	Well Nu	moer
County Stafford	•					ection 2		TWP 24	**		RNG (E/W) 15W		Acres Attributed	
Field Macksville					eservoi /iola	ſ			Gas Gathering Connect Lumen Energy		tion	KCC WICH		
Completion Date 8-1-11				Р	iug Bac	k Total De	pth		Packer Set at 4179'			MA	VIC	
Casing S 4.5"	g Size Weight 11.6#			lr	iternal [Diameter		Set at 4179'		Perforations 4086'		RE	0.5 20	
Tubing Si 2 3/8"				lr	iternal [Diarneter		Set at 4160'		Perforations			EIVER	
Type Completion (Describe) Single						Type Fluid Production Oil/SW			···		nit or Traveling P ng Unit	iunger? (Yes	/ No	
Producing Thru (Annulus / Tubing)						arbon Dio	xide		% Nitrogen			Gas Gravity - G _g		
Annulus				-	.4576				3.997	7		.689		
Vertical D	Pepth(H						Fla	essure Taps nge	*****			2"	·	rover) Size
Pressure	Buildup										20			
Well on L	ine:	5	Started	10.18	20 /	5 _ at	10:20	_ (AM) (PM)	Taken		20 _	_ at		(AM) (PM)
							OBSERV	ED SURFACE	DATA		D	uration of Shu	t-in Z	4 Hours
Static / Dynamic Property	Orific Size (inche	ze Prover Pressi		Pressur Different in Inches H	al Tem	lowing perature t	Weil Head Temperatur t	Wellhead I	Casing Wellhead Pressure (P _{iw}) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Liquid Produced (Barrels)	
Shut-In			poig (my	menos i	2	-		psig 27	psia	psig	psla			
Flow								70						
							FLOW ST	REAM ATTRI	BUTES					
Plate Coeffied (F _b) (F Mofd	ient _P)	Circle one: Meter or Prover Pressure psia		Press Extensio			tor	Flowing Temperature Factor F _{II}	Fá	viation actor = py	Metered Flow R (Mefd)	GOF (Cubic F Barre	eet/	Flowing Fluid Gravity G _m
, ,					(0)	PEN FI	OW) (DELI	VERABILITY)	CALCUI	ATIONS				
(P _c) ² =		:	(P _w) ² =	:		P _d =		•		14.4 =	:		$(a)^2 = 0.2$ $(a)^2 = 0.2$	207
(P _c)² - (F or (P _c)² - (F	P _a) ²	(P _o) ² - (P _w) ²		Choose formula 1 1. $P_c^2 - P_a$ 2. $P_c^2 - P_d$ divided by: P_c^2	2	LOG of formula 1. or 2.		Backpres Slop Ass	Backpressure Curve Slope = "n" Or Assigned Standard Slope		og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
O Fl					<u>. </u>	-1-			Define Live				<u></u>	
Open Flor	w			Mcfd @	14.65 p	sia	· · · · · ·	Deliverabi	шу		IVIC	ofd @ 14.65 p	<u>sia</u>	· · ·
		_						•			e above report			vledge of 20 <u>/ 5</u> .
			Witness (il	any)				_	_	Deten	12 For Com	epany		
			For Comm	ssion						Dlead	Checker	t by		

KCC WICH!TA

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RECEIVED
! 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 Munz #2
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: 11 − 2 − 201≤
Signature:
Title:EXPLARATIV MANAGER

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.