RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instru	ctions on Re	everse Side	e)					
√ Op-	en Flow				. . =									
Del	liverabilt	y			Test Date) :				No. 15 185- 2002				
Company							Lease		10-	12,143	-0001	! اامW	Number	
Northern Lights Oil Co., L.C.							Lease Hardten			1	YYEN I	annoe:		
County Location			Section		TWP	TWP		W)		Acres	Attributed			
Stafford SF SE SE			E	11		248	24S		15W					
Field					Reservoi	ſ			1	hering Conn				
Macksville East			Viola					ien Ene						
Completion Date 8-23-1983			Plug Bac	k Total De	pth	n Packer Set a 4188'		iet at	Of					
			Maicht		lata-nal (Nomator.		n.t.		rotion-	То			
Casing Size 4 1/2"		Weight 9.5#			Internal Diameter			Set at 4187'		Perforations 4018'		58'		
Tubing Size		Weight			Internal Diameter			Set at		Perforations				
2 3/8"		Orgin						4056'		. 55.0				
Type Completion (Describe),				Type Flui	d Production	on		Pump Un	it or Traveling	Plunger?	Yes / No			
Oil and	•	~,,,	gle											
roducing	g Thru (.	Annulus	Hubing)		% (Carbon Dio	xide		% Nitrog	en	Ga	s Gravity	- G _g	
Tubing							·							
/ertical D	epth(H)					Pre	ssure Taps				(Me	eter Run) ((Prover) Size	
						9 <i>:</i> -30—								
ressure	Buildup:	Shut	in	11-26- 20	0 <u>/3</u> at	F 55	_(AM) (PM)	Taken		20	at		_ (AM) (PM)	
Well on Li	ino:		ed	1/-28 20		9:35	\simeq			20				
VEH ON LI	me.	Stante	eo	<u>., </u>) <u></u> at	_1	(AMI)(PMI)	такеп		20	ai		_ (AM) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of 6	Chart in	Z4 Hours	
		С	ircte one:	Pressure		OBSERV			Т т	ubing	Duration of S	<u> </u>	Hours	
Static / Dynamic	Orifice	rifice Meter Size Prover Pressu		Differential	Flowing	Well Head Temperature t	Wellhood	Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		ad Pressure	Duration	Lic	Liquid Produced	
Property	(inches			, ,	t t		(P _w) or (I			(P _t) or (P _c)	(Hours)		(Barrels)	
		ps	ig (Pm)	Inches H ₂ 0			psig	psia	psig	psia				
Shut-In				ļ <u></u> ,			126		34				_	
Flow														
						ELOW ST	REAM ATTR	HRITES	1					
		Cirolo 4	wa.			FEOW 31		11BOTES						
Plate Coeffiecient (F _b) (F _p) <i>McId</i>				Press Extension	Grav	*	Flowing Temperature		iation			GOR	Flowing Fluid	
		Prover Pressure psia		√ P _m xh	Fac F		Factor		ector = pv	R (Mcfd)	1 '	oic Feet/ arrel)	Gravity	
						<u>'</u>	F.,		ρv	(Wiciu)		411017	G _m	
			L		(ODEN EL				ATIONO		l			
5 12			(0.15		,	, ,	VERABILITY	•				$(P_a)^2 = 0$		
P _c) ² =		;	(P _w) ² =	hoose formula 1 or 2:	P _a =		_%(P _c - 14.4) +	14,4 =			(P _d) ² =	=	
(P _c) ² - (F	P_)2	(P _c) ² - (I		1. P _c ² - P _a ²	LOG of			ssure Curve	1	[7]			Open Flow	
or (P _c) ² - (P _d) ²				2. P _c ² · P _d ²	tormula 1. or 2.			- or	n x L	LOG	Antilog		Deliverability als R x Antilog	
(P _c)2- (F	F3)2		di	vided by: $P_c^2 - P_u^2$	and divide by:	P _c ² -P _* ²		ssigned dard Slope				Lqui	(Mcfd)	
	-				 				1		• • • • • • • • • • • • • • • • • • • •			
loop Elev				Moid @ 14 /	e noic		Define !		L					
Open Flov	· · · · · · · · · · · · · · · · · · ·			Mcfd @ 14.6	oo psia		Deliveral	oility			Mcfd @ 14.6	o bara		
The u	undersig	ned auth	ority, on	behalf of the	Company, s	states that	he is duly a	uthorized t	o make th	e above repo	rt and that h	e has kno	wledge of	
				d report is true										
uui3 31	aiou iiib	all	u mai sali	s report is tide	ana conec	⊏xecule	∪ una ule		uay or				, 20	
			Witness (if a	iny)			•		~	O For	Company	K(CC-WICH	
			For Commit				-			Deux /4	showed .			
			For Commis	SICK!						Chec	ked by	D	EC 06 20	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Northern Lights Oil Co., L.C.
	t the foregoing pressure information and statements contained on this application form are true and
correct t	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
l he	reby request a one-year exemption from open flow testing for the Hardten #1
jas wel	on the grounds that said well:
	(Check one)
	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
l form	ther earns to supply to the heat of my shility any and all supporting decuments deemed by Commissio
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
itaii as	necessary to corroborate this claim for exemption from testing.
)ate: <u>1</u>	2-5-2013
	200
	Signatura
	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 signed and dated on the front side as though it was a verified report of annual test results.

DEC 06 2013