KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			1	(See Instru	ictions on Re	verse Side	e)				
Open Flo			Test Date	e:				No. 15	40.74		
Company			<u>.</u>		Lease Camph	 	15-	185-20,490 -	- 0000 1-27	Well Number	
Northern Lights Oil Co., L.C. County Location			Section		TWP			(W)	1-21	Acres Attributed	
Stafford C E/2 NW			27 Reservoir		24S		15W Gas Gathering Conn		oction		
Macksville			Kinderh					Energy	CHOIT		
Completion Date 2/08/1974			Plug Bac	k Total De	pth	Packer Set at		Set at			
Casing Size 4 1/2"	Weight 10.5#		Internal Diameter			Set at 4255'		Perforations 4199'-4205'			
Tubing Size 2 3/8"	ng Size Weight		Internal Diameter		Set	Set at 4208'		Perforations			
Type Completion	• • •	id Producti					y Plunger? Yes / No				
Single (Gas Producing Thru) ı (Annulus / Tut	oing)	SW % (Carbon Dio	xide			Pump Unit Nitrogen G		Gas Gravity - G	
Tubing					·					, g	
Vertical Depth(Pressure Taps Flange			(Meter Run) (Prove 2"			Run) (Prover) Size				
Pressure Builde	up: Shutin	11-26	20 / 3 at			Taken		20	at	(AM) (PM)	
									at (AM) (PM)		
					ED SURFAC				: Duration of Shut		
Static / Dritice		1	Flowing Well Head		Cas	Casing		Tubing			
Dynamic Siz Property (incl	ze Prover Pre	ssure in	Temperature t	Temperatur t	e i	Wellhead Pressure (P _w) or (P _t) or (P _c)		ad Pressure r (P _i) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	psig (Pi	m) Inches H ₂ 0			9 psig	psia	psig	psia			
Flow					73	<u> </u>	٥	 		-	
			_i	FLOW ST	REAM ATTR	L					
Plate	Circle one:	Press		Gravity		Flowing Deviation Temperature Factor F		Metered Flow	GOR	Flowing	
(F _b) (F _p) Mcfd			Extension Fac √ P _m x h F		•			R (Mcfd)	(Cubic Fe Barrel)	Gravitu	
						 					
			(OPEN FL	OW) (DELI	VERABILITY) CALCUL	ATIONS		(P.))2 = 0.207	
P _c) ² =	: (P _*)		P _d =	*.101000	_% (F	- 14.4) +	14.4 =	<u> </u>) ² =	
(P _c)²-(P _e)²	(P _c) ² - (P _w) ²	1. Pc2 - Pc2	LOG of formula		Backpressure Curve		n x l			Open Flow Deliverability	
or (P _c) ² - (P _d) ²		2. P _c ² -P _d ²		1. or 2. and divide p2_p2		Assigned Standard Stope			Antilog	Equals A x Antilog (Mcfd)	
 -		divided by: Pc2 - P	2 by:	<u> </u>	Stand	aro Siope	-			(INCIO)	
			_								
Open Flow	pen Flow Mcfd @ 14.6		.65 psia		I Deliverat	Deliverability		<u></u>	Mcfd @ 14.65 psia		
The unders	signed authority,	on behalf of the	Company, s	states that	· · · · · · · · · · · · · · · · · · ·	<u>`</u>	o make th		<u></u>		
		said report is tru								, 20	
					_					KCC WIC	
		s (if any)			_			Deure For Co	Deep .	DEC 06 2	
	For Co	mmission			_			Check	red by	RECEIV	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Northern Lights Oil Co., L.C.
and that the fore correct to the bes of equipment ins	egoing pressure information and statements contained on this application form are true and state of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Campbell 1-27 prounds that said well:
I further agre	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 et to supply to the best of my ability any and all supporting documents deemed by Commission my to corroborate this claim for exemption from testing.
Date: _12-5-2013	Signature:
	Title: 12-5-2013

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.