KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

County Location Section Stafford C SE SW 21 Field Reservoir Farmington Kinderhook Completion Date Plug Back Total 9/24/1977 4300' Casing Size Weight Internal Diamete 4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	Set at 4299' or Set at 4201'	API No. 15 15-185-20,76 RNG (E/W) 15W Gas Gathering Cor Lyngh EM Packer Set at None Perforations 4208'-4212' Perforations	1-21 Acre	ll Number es Attributed	
Company Northern Lights Oil Co., L.C. County Location Section Stafford C SE SW 21 Field Reservoir Farmington Kinderhook Completion Date Plug Back Total 9/24/1977 4300' Casing Size Weight Internal Diamete 4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	Brensing TWP 24S Depth Transfer Set at 4299' Transfer Set at 4201'	RNG (E/W) 15W Gas Gathering Cor LUMEN EN Packer Set at None Perforations 4208'-4212'	1-21 Acre		
Northern Lights Oil Co., L.C. County Location Section Stafford C SE SW 21 Field Reservoir Farmington Kinderhook Completion Date 9/24/1977 4300' Casing Size Weight Internal Diamete 4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	Brensing TWP 24S Depth Transfer Set at 4299' Transfer Set at 4201'	Gas Gathering Cor LYBEN EN Packer Set at None Perforations 4208'-4212'	1-21 Acre		
Stafford C SE SW 21 Field Reservoir Farmington Kinderhook Completion Date Plug Back Total 9/24/1977 4300' Casing Size Weight Internal Diamete 4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	24S Depth or Set at 4299' or Set at 4201'	Gas Gathering Cor LYBEN EN Packer Set at None Perforations 4208'-4212'	nnection	es Attributed	
Farmington Completion Date 9/24/1977 Casing Size 4 1/2" Tubing Size 2 3/8" Winderhook Plug Back Total 4300' Internal Diamete 10.5# Internal Diamete	Set at 4299' or Set at 4201'	Packer Set at None Perforations 4208'-4212'	ers/		
9/24/1977 4300' Casing Size Weight Internal Diamete 4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	Set at 4299' or Set at 4201'	None Perforations 4208'-4212'	То		
4 1/2" 10.5# Tubing Size Weight Internal Diamete 2 3/8" 4.7#	4299' Set at 4201'	4208'-4212'	То		
2 3/8" 4.7#	4201'	Perforations			
Employee (P. 11)	iction		То		
Type Completion (Describe) Type Fluid Produ Single (Gas)	aottori.	Pump Unit or Traveli Pump ING U % Nitrogen		งีด	
Producing Thru (Annulus / Tubing) % Carbon Tubing	% Carbon Dioxide		Gas Gravit	Gas Gravity - G _g	
	Pressure Taps	***************************************	(Meter Run) (Prover) Size	
Pressure Buildup: Shut in //- 26 20/3 at //:00	(AM) (PM) Taken_	2	20 at	(AM) (PM)	
Well on Line: Started //- 27 20 /3 at //: 0 5	(AM) (PM) Taken_		20 at	(AM) (PM)	
OBSE	RVED SURFACE DATA		Duration of Shut-in_	24 Hours	
Static / Orifice Dynamic Size Property (inches) Prossure psig (Pm) Pressure psig (Pm) Pressure Temperature psig (Pm) Pressure Inches H ₂ 0 Pressure Temperature Property Inches H ₂ 0 Pressure Temperature Temperature Property Inches H ₂ 0 Pressure Temperature Property Inches H ₂ 0 Pressure Pressure Differential Temperature Pressure Differential Temperature Pressure Differential Temperature Pressure Differential Inches H ₂ 0 Pressure Differential Temperature Pressure Differential Differential Pressure Differential	ature Wellhead Pressure (P_w) or (P_1) or (P_c)	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)	Duration - L	Liquid Produced (Barrels)	
Shut-In 2	psig psia	psig psia			
Flow	ପେ	0		-	
FLOW	STREAM ATTRIBUTES				
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Temperature	eviation Metered Fi Factor R F _{pv} (Mctd)	OR (Cubic Feet/ Barrel)	Flowing Fluid Gravity G _m	
(OPEN FLOW) (DI	ELIVERABILITY) CALCU	ILATIONS	(5.)		
P _c) ² = : P _d =:	% (P _c - 14.4)		$(P_a)^2 = (P_d)^2 = $	0.207	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Backpressure Cun Slope = "n"	n x LOG	I AHHIQU I	Open Flow Deliverability uals R x Antilog (Metd)	
		-			
Open Flow Mcfd @ 14.65 osia	Dellimenting		Market & data or		
	Deliverability	· · · ·	Mcfd @ 14.65 psia		
The undersigned authority, on behalf of the Company, states the			oort and that he has kr	nowledge of	
e facts stated therein, and that said report is true and correct. Exec	uted this the	day of	K	CC WIC	
Witness (if any)		→ Fo	ir Company	DEC 06 2	
For Commission		History	Collogs	ULU 0 0 Z	

exempt and that	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request tatus under Rule K.A.R. 82-3-304 on behalf of the operator Northern Lights Oil Co., L.C. the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records
l hei	nent installation and/or upon type of completion or upon use being made of the gas well herein named. aby request a one-year exemption from open flow testing for the Brensing 1-21 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 her agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
	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.

KCC WICHITA

DEC 0 6 2013

RECEIVED