RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	<u>:</u>				(verse Side	· ;)						
Ор	en Flow	,			Test Date	a:				Al	Pl No. 15		_			
Deliverabilty				rest Date.				15-023-20850 -06-20								
Company Noble Energy Inc							Lease Lampe					Well Number 22-33				
County Location Cheyenne SE-NW					Section 33			TWP 3S		RNG (E/W) 41S			Acres Attributed			
Field Cherry Creek Niobrara Gas Aera				Reservoir Niobrara				Gas Gathering Co Kinder Morgan v				nection a Lampe Compressor				
Completion Date 6/20/2008				Plug Back Total Depth 1557'					Packer Set at							
Casing Size 7", 4 1/2"			Weigh 17#, 1	Internal Diameter 9-7/8", 6-1/4"			Set at 254', 1598'		Perforations 1374			то 1412				
Tubing Size 2-3/8"			Weigh 4.7#	Internal Diameter 1.995			Set at 1445		Perforations			· То				
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater						Unit or Traveli	Plunger? (CS) /	ger? (@s) / No				
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrogen				Gas Gravity - G				
Vertical D	epth(H))				Р	ressure	e Taps					(Meter Ri	un) (P	rover) Size	
Pressure	Buildup):	Shut in	3 2	0 13 at 2	:00	(Al	м) (PM)	Taken			20 _	at		(AM) (PM)	
•			Started 2/14	13 3:00								at				
						OBSEF	RVED S	SURFAC	E DATA				ouration of Shut-in	25	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	oifferential Flowing Temperature		iure I	Casing Wellhead Pressure (Pw) or (Pt) or (Pc) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia			1 '		quid Produced (Barrels)	
Shut-In	*****		,				9	psig 16	psia	paig	psia					
Flow																
				1		FLOW S	STREA	M ATTE	RIBUTES	····	T		<u></u>		<u> </u>	
Plate Coefficeient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m xh	Gra Fac F	tor	Flowing Temperature Factor F ₁₁		F	viation actor F _{pv}	Metered Flow R (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
					(0051) 51			A DIL (T)	0.041.011	ATION	<u> </u>					
(P _c) ² =			(P _w) ² =	:	(OPEN FL	• •	# %		P _e - 14.4) +				(P _a) ² : (P _d) ² :		207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	(P _c) ² - (P _w) ² 1. P _c ² - 1 2. P _c ² - 1		LOG of formula 1. or 2. and divide			Backpressure Curve Slope = "n" or Assigned Standard Slope		e n	x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
1				divided by: $P_c^2 - P_w^3$	by:	<u> </u>		Clair	care orope						· •	
Open Flor	w			Mcfd @ 14.	65 psia			Deliveral	bility			M	cfd @ 14.65 psia			
		_	•					•				port	and that he has		vledge of 20 13 .	
THE TACKS S	iaieu in	ierei	ur, anu mat Si	aid report is true	ano correc	A. EXECL	aeu ul	is tile <u> </u>		uay Of			L		C WICH	
			Witness (i	it any)			_	•		·	F	or Co	mpany .			
			For Comm	nission			_				(Check	ed by	UE	C 3 1 20	

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that the fo correct to the b of equipment in I hereby re	pregoing pressure information and statements contained on this application form are true and pest of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. Equest a one-year exemption from open flow testing for the Lampe 22-33 are grounds that said well:
[[[I further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commission sary to corroborate this claim for exemption from testing.
Date: 12/27/2	013
	Signature: Cheyl Achison

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. **KOGNWICHITA** signed and dated on the front side as though it was a verified report of annual test results.

DEC 3 1 2013