## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Instruc	tions on Reve	erse Side	)				
= '	en Flor iverab		Test Date: API No. 15 15-023-21328-00-00								0-00		
Company Noble Energy Inc.						Lease Lampe			v 22-33B			Well Number	
County Location Cheyenne NWNESENW				Section 33		TWP 3S		RNG (E/W) 41W		,	Acres Attributed		
Field Cherry C			NVINEOL	-1444	Reservoir Niobrara			Gas		Gas Gathering Connection Southern Star/Kinder Morgan		RECEIVED  DEC U5 2012  KCC WICHIT	
Completion Date 9/14/2011					Plug Bac	k Total Dep	th	Packer S		Set at		DEC 05 201	
Casing Size 7", 4-1/2"			Weight 17#, 11	.6#	Internal C	Internal Diameter 9-7/8", 6-1/4"		Set at 237', 1594'		rations 0'	т <sub>о</sub> 1409'	KCC WI	CHITA
Tubing Size			Weight			Internal Diameter		Set at		rations	То		, ,
Type Con Single (		ı (De	escribe)		Type Flui saltwat	d Productio ter	n	***************************************	Pump Ur yes	nit or Traveling	Plunger? Yes	/ No	~
Producing Thru (Ann			ulus / Tubing)		% C	% Carbon Dioxide			% Nitrog	en	Gas Gravity - G <sub>g</sub>		
Annulus Vertical D		i)				Pres	sure Taps				(Meter F	Run) (Prover) Size	-
Pressure	Buildu	p: :	Shut in 2/13		0_12_at_2	:00	(AM) (PM)	 Taken		20 .	at	(AM) (PM)	-
Well on Line: Started 2/14 20				12 at 3:00 (AM) (PM) Taken				20	(AM) (PM)				
						OBSERVE	D SURFACE	DATA		<del></del>	Duration of Shut-	n 25 Hours	<b>.</b> S
Static / Dynamic Property	Orifi Siz (inch	е	Circle one:  Meter  Prover Pressure  psig (Pm)	Pressure Differential in Inches H <sub>a</sub> 0	Flowing Well He Temperature Temperat		wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			poig (i iii)	mones 11 <sub>2</sub> 0			182	psia	psig	psia			
Flow													]
						FLOW STE	REAM ATTRII	BUTES					_
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P <sub>m</sub> xh	Grav Fac F	tor	emperature Fa		viation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
					(ODEN EL	OW) (DELI	CDADU ITV	CALCUI	ATIONS				J
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	·	P <sub>d</sub> =		rerability) % (P,		.AITONS · 14.4 =	-		? = 0.207 ? =	
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ ided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpressure Cun Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia						Defiverability Mcfe				Mcfd @ 14.65 psi	d @ 14.65 psia		
		-	d authority, on				•			•	rt and that he ha	s knowledge of, 20	
			Witness (if a	ny)						For C	ompany		N-
			For Commiss	ion			_			Chec	ked by		-

I 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 Noble Energy Inc.  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 Lampe 22-33B gas well 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
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:
Signature:  Title: Regulatory Analyst

## 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.