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

Type Test	:					(	See Ins	truct	ions on Re	verse Sid	e)							
Open Flow Deliverability			Test Date	Test Date:						API No. 15								
		oilty									15	-02	3-2086	5-00-0	0			
Company Noble Energy Inc.				Lease <b>Lam</b> pe								12-33	Well Number 12-33					
County Location Cheyenne SWNW				Section 33							RNG (E/W) 41W			Acres Attributed				
Cherry Creek					Reservoir Niobrara				Gas Gathering Connection Southern Star/Kinder Mor				/lorgan	RECEIVED				
2/22/20		te				Plug Bac 1586'	k Total	Dept	h		Packer	Set	at			D	EC 05 2	2012
Casing Size Weight 7", 4-1/2" 17#, 10.5#					Internal Diameter 9-7/8", 6-1/4"			Set at 243', 1648'		Perforations 1379'			To 1416'		KCC WICHITA			
Tubing Size Weight 2-3/8" 4.7#					Internal Diameter 1.995			Set at 1441'			ons		То			** * * * 1		
			Type Flui	Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes Yes					/ No					
Producing Thru (Annulus / Tubing) Tubing			% C	% Carbon Dioxide				% Nitrogen Gas G				ravity - G <sub>g</sub>						
Vertical D	epth(h	H)			······································			Press	sure Taps						(Meter F	Run) (P	rover) Size	
Pressure	Builde		6/^	18		0_12 at_1	0:30		(AM) (PM)	Taken			20	at			/AM\ (PM)	
·			12 2:15			(AM) (PM)		ken 20 ken 20										
					<del></del>		OBSE	RVE	D SURFAC	E DATA				Duration	n of Shut-	<sub>in</sub> 27	.75Hours	
Static / Dynamic	Dynamic Size Property (inches		ize Prover Pres		Pressure Differential in	Flowing Well Temperature Temp		ead	Cas Wellhead (P <sub>w</sub> ) or (F	sing Pressure	Wellhead		bing d Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			psig (Pm)		Inches H <sub>2</sub> 0	•	t t		psig 68			psia						
Flow							<u> </u>		00			-				<u> </u>		
1104							FLOW	STR	EAM ATTR	IBUTES						<u> </u>		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>tt</sub>		De <sup>c</sup>	Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
						(ODEN EL	OH0 (D)			) OA OU								
(P <sub>c</sub> ) <sup>2</sup> =		:	(P <sub>w</sub> ) <sup>2</sup>		:	P <sub>d</sub> =			ERABILITY % (f	-	+ 14.4 = _		:		(P <sub>a</sub> );	2 = 0.2 2 =	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		:	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ fed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:		2	Backpressur Slope = or- Assign Standard		l n x LOG			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
							<del></del>											
Open Flo	w				Mcfd @ 14.	65 psia			Deliverat	oility				Mcfd @	14.65 psi	а		
		-			ehalf of the				•		to make t		•	rt and ti	hat he ha		vledge of 20 <u>12</u> .	
			Witness	(if any	y)			<del></del>			······································		For C	Company				
			For Com	missio	חכ			_	-				Chec	ked by				

exempt status under and that the foregonet to the best of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.  Doing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records lation and/or upon type of completion or upon use being made of the gas well herein named. St a one-year exemption from open flow testing for the Lampe 12-33
gas well on the gro	ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: _11/30/2012	
	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.