KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	t: en Flo liverab		02		(Test Date		ctions on Rev	verse Side	API	No. 15			
Company							Lease		15-	023-21145-0		Vell Nu	mber
Noble E	nergy	Inc					Lampe				12-33B		
			Locati S2-NW	on -SW-NW	Section 33		TWP 3\$			(₩)	Acres Attributed		
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Connect Southern Star/Kinder				
Completion Date 11/17/2008		9		Plug Back Total De 1535'			pth	Packer Set at					
Casing Size 7", 4-1/2"			Weigh 17#, 9		Internal Diameter 9-7/8", 6-1/4"			Set at 262', 1578'		rations 2'	то 1430'		
Tubing Size 2-3/8"			Weigh 4.7#		Internal Diameter 1.995					rations	То	То	
Type Con Single (n (D	escribe)		Type Flui Saltwa	d Production	on	Pump Unit : Yes		nit or Traveling	Plunger? Yes	/ No	
Producing	Thru	(An	nulus / Tubing))	% C	arbon Dio	xide		% Nitrog	en	Gas Gra	vity - G	•
Vertical D	epth(F	1)	· · · · · · · · · · · · · · · · · · ·			Pre	essure Taps				(Meter R	lun) (Pr	over) Size
Pressure	Buildu	p:	Shut in8/2:	2 2	0_11_at_1	2:05	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line:			Started 8/23	32	0 <u>11</u> at <u>1</u>	2:05	_ (AM) (PM)				at		
			·			OBSERV	ED SURFACI	E DATA	•		Duration of Shut-i	24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Temperature Temperat		Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Tubing Wellhead Pressure (P_) or (P_t) or (P_e) psig psia		· · · · · · · · · · · · · · · · · · ·		l Produced Sarrels)
Shut-In							105	psia	psig	рви)
Flow								•					
						FLOW ST	REAM ATTR	IBUTES				<u> </u> ;	
Plate Coefficcient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension	Gravity Factor F _g		Temperature Fi		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fee Barrel))) (Flowing Fluid Gravity G _m
(P _c) ² =		_:	(P _w) ² =	<u> </u>	(OPEN FL		I VERABILITY _% (F) CALCUL 'a - 14.4) +		:	(P _a) ² (P _a) ²	= 0.20	D7
(P _e) ² - (I		(F	P _e)² - (P _#)²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P. 2 . P. 2	Slor	ssure Curve be = "n" or signed ard Slope	l n x	roe	Antilog	Dell Equals	en Flow verability R x Antilog Mcfd)
Open Flo	I w			Mcfd @ 14.	I 65 psia			ility		<u>]</u>		a	
The	unders	•	•	n behalf of the	Company, s		he is duly au	thorized t		ne above repo	rt and that he has	s knowl	edge of 120 111 .
			For Comm	ission			_		<u>//</u>	Chec	ked by	C 2	8 2011

KCC WICHITA

exempt status und and that the foreg correct to the besi of equipment insta	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. Joing 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 allation and/or upon type of completion or upon use being made of the gas well herein named. Jest a one-year exemption from open flow testing for the Lampe 12-33B
gas well on the gr	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: 12/14/2011	
	Signature: <u>Kery</u> Johnson Title: Regulatory Analyst II

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.

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