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

Type Tes	t:				(	See Instruct	tions on Rev	erse Side	15	-023-	20765-	00-	Ø0	
= '	en Flo eliverat				Test Date	9:			API	No. 15 023-207-3-0				
Company Noble Energy Inc					Lease Rueb Farm				-20,760		Well Number 22-16			
County Location Cheyenne SE-NW				Section 16		TWP 3S		RNG (E/W) 42W		,	Acres At	tributed		
					Reservoir Niobrara				hering Conne Morgan	ction		<u> </u>		
Completion 5/16/200		te		<del>""</del>	Plug Bac 1668'	k Total Dept	th		Packer S	<u>-</u>			<u></u>	
Casing Size Weight 7", 4-1/2" 17#, 9.5#			Internal ( 9-7/8",		Set at 309', 1723'		Perforations 1534'		To 1570'					
Tubing Size Weigh 2-3/8" 4.7#			<del></del>			<del></del>		Perforations		То				
Type Con Single (						d Production	n		Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No	<del></del> -	
			nulus / Tubin	<b>)</b>		Carbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G	<del></del>	
Vertical D	Depth(l	러)	·			Pres	sure Taps				(Meter F	Run) (Pro	over) Size	
Pressure Well on L			Shut in 5/1 Started 5/1:		0 11 at 2 0 11 at 1	:15 0:45					at			
						OBSERVE	D SURFACE	DATA			Duration of Shut-	44.5	Hours	
Static / Orific Dynamic Size Property (inche			Glicie ons: Meter Prover Pressu psig (Pm)	Pressure Differential in in Inches H <sub>2</sub> 0	Flowing Well Her Temperature Temperat t t				Tubing Wellhead Pressure (P <sub>e</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) paig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							76	рзія	pary	DSIA				
Flow													-	
				<del>[··</del>	<del></del>	FLOW STR	REAM ATTRI	BUTES	· · · · · · · · · · · · · · · · · · ·					
Plate Coefficient (F <sub>a</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Møter or over Prossure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F	tor 1	Temperature 1		riation Metered Flor actor R F <sub>p</sub> , (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
				<u> </u>	(OPEN FL	OW) (DELIV	ERABILITY	CALCIII	ATIONS	-	!			
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>n</sub> ) <sup>2</sup> =	<u> </u>	Pa=				· 14.4 =	<u></u> :	(P <sub>a</sub> )	² = 0.20 ² <u>=</u>	)7	
$(P_q)^2 - (P_n)^2$ or $(P_q)^2 - (P_q)^2$		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>m</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup> 2. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup> divided by: P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P. 2. P. 2	Backpres Stop		یر م ا	roe	Antilog	Open Flow Deliverability Equals R x Antilog (McId)		
										<del></del> -	<del></del> .			
Open Fio	w		l	Mcfd @ 14.	65 psia		Deliverab	ility	_ !		Mcfd @ 14.65 ps	l	-	
				ald report is true	and correc	RECEIV	this the 27	thorized t		ne above repo	ompany	ıs knowl	edge of 20 11	
			For Comm	dssion	J	AN 1.7	2012 -			Char	ked by			

KCC WICHITA

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
correct to the bes	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named.
	rounds that said well:
I further agre	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 se to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 12/27/201	1
	Signature: Ckerff bkison  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.

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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.