KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	uctio	ns on Re	erse Side	e)							
Open Flow Deliverabilty					Test Date:							o. 15 23-20078-0	าก_ถก					
Company Noble Energy Inc					Lease Rueb Farm					15-023-20978-00-00					Well Number 23-16			
County Location				Section 16			TWP 3S	RNG (E/W) 42W					Acres Attributed					
Field				Reservoir	Reservoir				Gas Gathering Connection									
Completion Date				Plug Bac	Niobrara Plug Back Total Depth				Kinder Morgan Packer Set at									
Casing Size Weight I			Internal [1698' Internal Diameter			Set at			Perforations								
7", 4-1/2" 17#, 10.5#				9-7/8", 6-1/4" Internal Diameter			320' Set a	1534' Perforations				1576' To						
2-3/8" 4.7#			1.995											/ Ala				
Type Completion (Describe) Single (gas) Producing Thru (Annulus / Tubing)			Saltwa	Saltwater				Pump Unit or Traveling Plunger Yes Rod Pump				p	Gas Gravity - G					
Producing Tubing	j Thru	(Anr	nulus / Tu	bing)		% C	Carbon Dic	oxide	9		% Nitro	ger	1	ı	1 G	ias Gra	ivity - (
Vertical D	epth(F	1)							ıre Taps						(1	vleter F	lun) (Pi	over) Size
Pressure	Buildu	p: :	Shut in _	11/19	2	0 13 at 2	:00	(/	 AM) (РМ)	Taken			20	;	at		(AM) (PM)
Well on Line: Started 11/20 20				13 at 4	:22	_ (/	ам) (РМ)	20				_ at (AM) (I			AM) (PM)			
							OBSER\	VED	SURFACI	DATA				Durat	ion of	f Shut-i	_{n_} 26.	25 Hours
Static / Dynamic Property	Dynamic Size		e Prover Pressure		Pressure Differential in Inches H ₂ 0 Flowing Temperature t		Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Tubing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)			
Shut-In					2				151	рыа	haiñ haiñ		psia					
Flow																		
			Circle one:	T			FLOW S		AM ATTR	BUTES		1			<u>-</u> .			
Plate Coefficcient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		re	Press Extension ✓ P _m x h	Gravity Factor F _g		Flowing Temperature Factor F ₁₁		F	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
						(0.5.11.51												
(P _c) ² =		_:	(P,	,)² =	<u> </u>	(OPEN FL) CALCUI) _c - 14.4) -			;			(P _a) ² (P _d) ²	= 0.2 =	07
$(P_g)^2 - (P_g)^2$ or $(P_g)^2 - (P_d)^2$		(P _c) ² - (P _w) ²			to se formula 1 or 2. 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ ded by: $P_c^2 \cdot P_a^2$	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p 2 p 2		Backpre Slop As Stand	n x LOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)				
Open Flor					Mcfd @ 14.				Deliverab							.65 psi		
		-		•	ehalf of the report is true				•					irt and	l that	he ha		ledge of 20 <u>13 </u>
			.,								,					K		VICHIT/
			Witn	ess (if an	у)			-	_				For	Company	,			1 2013
			For	Commissi	on			-	_				Che	cked by				EIVED

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 Rueb Farm 23-16 gas well on the grounds 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 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: Chery Completions Supervisor Title: Completions Supervisor

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

DEC 3 1 2013