KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Insti	ructi	ons on Rev	erse Side	e)						
Open Flow Deliverabilty					Test Date	Test Date:					API No. 15 15-023-20750-00-00					
Company Noble Energy Inc					Lease Rueb Farm					21-15 [.]	Well Number 21-15					
County Location Cheyenne NE-NW					Section 15			TWP 3S		RNG (EA 42W		Acres Attributed				
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Connection Kinder Morgan							
Completion Date 1/21/2008				Plug Bac 1697'	Plug Back Total Depth 1697'				Packer Set at							
Casing Si 7", 4-1/2			Weight 17#, 11.6#			Internal Diameter 9-7/8", 6-1/4"			Set at 320', 1740'		Perforations 1532'		то 1570'			
Tubing Si 2-3/8"	ze	Weight 4.7#			Internal Diameter 1.995			Set at 1602'		Perfor	ations		То			
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? (S) No Yes Rod Pump							
Producing Thru (Annulus / Tubing) Tubing				% C	% Carbon Dioxide				% Nitrogen			Gas Gravity - G				
Vertical D	epth(H)					Р	ress	ure Taps					(Meter F	Run) (Pr	rover) Size	
Pressure	Buildup	: Shut in	1/8	2				(AM) (PM)	Taken		20	at_		(AM) (PM)	
Well on L	ine:	Started 1/9		2	0 13 at 1	3 at 1:50		(AM) (PM) Taken		20		at_	at		(AM) (PM)	
						OBSEF	IVE	SURFACI	E DATA			Duration	of Shut-	_{in_24}	Hours	
Static / Dynamic Property	ynamic Size		le one: leter Pressure j (Pm)	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 ₁) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In				2				115	рзів	pang	рыц					
Flow																
•					1	FLOW 9	STR	EAM ATTR	IBUTES			· . [
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Gra Extension Fac ✓ P _m x h F		tor Te		Flowing emperature Factor F _{rt}	Fa	ation Metered Flow ctor R (Mcfd)		w			Flowing Fluid Gravity G _m	
													 			
P _c) ² =		: (P _w) ² =	:	(OPEN FL		LIVI %	ERABILITY 6 (F	•	_ATIONS - 14.4 =	:		(P _a) ²	$0^2 = 0.2$ $0^2 = 0.2$	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		oose formula 1 or 2 1. P _c ² - P _s ² 2. P _c ² - P _d ² ided by: P _c ² - P _s ²	LOG of formula 1. or 2. and divide	*	2	Backpressure Curve Slope = "n" or Assigned Standard Slope		, ux roe		Antilog		De Equal:	pen Flow diverability is R x Antilog (Mcfd)	
		····-												-		
Open Flor				Mcfd @ 14.	65 peia			Deliverab	nitity			Meta @	14.65 psi			
													· · · · · · · · · · · · · · · · · · ·		11	
	•	•	,.	behalf of the I report is true	• •			•			•	ort and tr		as know	_	
	-	•								-					: WICH	
		٧	Vitness (if a	ny)			_	-			For	Company				
		F	or Commiss	ion				_			Chi	ecked by		DEC	; 3 1 20 1	
								e e						R	ECEIVE	

I declar	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	e foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records
	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
• •	request a one-year exemption from open flow testing for the Rueb Farm 21-15
	the grounds that said well:
,40 11011 011	and grounds that calle woll.
((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
l furthe	r agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nec	essary to corroborate this claim for exemption from testing.
Date: 12/26	5/2013
	•
	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. **KCC WICHITA**

DEC 3 1 2013