KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:	•		(See Instruc	tions on Re	verse Side)			
	en Flow liverabil			Test Date	ə:				No. 15 23-20242-0	0-00	
Company Noble Energy, Inc.					Lease Rueb F	·			Well Number 2-16		
County Location Cheyenne SW-NE-SE			Section 16		TWP 3S	TWP		RNG (E/W) 42W		Acres Attributed	
Field Cherry Creek				Reservoir Niobrara			-	Gas Gath Kinder N	ering Conne Morgan	ection	
Completion Date 2/26/1986				Plug Bac 1670'	k Total Dep	oth	Packer Set at		et at		
Casing Size Weight 7", 4.5" 17#, 9.5#				Internal Diameter 9-7/8", 6-1/4"		Set at 317', 1713'		ations	то 1556'		
Tubing Size Weight 2-3/8" 4.7#			Internal I		Set at 1581'		1524' Perforations		То		
Type Completion (Describe) Single (gas)					d Productio		•		t or Traveling	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Tubing			% (Carbon Diox	tide			en .	Gas Gravity - G		
Vertical D	epth(H)			Pres	ssure Taps		<u> </u>		(Meter I	Run) (Prover) Size
Pressure	Buildup	: Shut in 11	/25	13 _{at} _1	1:00	. (AM) (PM)	Taken			at	(AM) (PM)
Well on Line:		Started 11	/26	. 20 <u>13</u> at <u>1</u>		(AM)(PM)	Taken		20	at	(AM) (PM)
					OBSERVI	ED SURFAC	E DATA			Duration of Shut-	in 25 Hours
Static / Orifice Dynamic Size Property (inches		Meter Differentia Prover Pressure in		al Flowing Temperature	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		ubing d Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (Pm) Inches H ₂			psig 61	psia	psig	psia		
Flow											
					FLOW ST	REAM ATTE	RIBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Pm		Fac	tor	Flowing Temperature Factor F ₁₁		Deviation Metered Flo Factor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Gravity 1
		 .									
P _c) ² =		_: (P _w)²	=:	(OPEN FL P _a =		VERABILITY .% (/) CALCUL P _c - 14.4) +		:	(P _a)	² = 0.207 ² =
(P _c) ² - (I or (P _c) ² - (I	P _a) ²	(P _c) ² · (P _w) ²	Choose formula 1 1. Pc - Ps 2. Pc - Ps divided by: Pc -	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slo As	essure Curve ope = "n" or ssigned dard Slope	lnxi	oe []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow Mcfd @ 14.65 psia						Deliverability Mcfd @ 14.65 psia					
		gned authority, erein, and that		• •		-			•	rt and that he ha	s knowledge of, 20 <u>13</u>
		Witness	s (if any)	_					For C	Company	KCC WICH
	-		nmission							ked by	
										-	DEC 3 1 20
										,	RECEIVE

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named.
	reby request a one-year exemption from open flow testing for the Rueb 2-16
gas well	I on the grounds that said well:
	(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 fur	rther 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: <u>1</u>	2/26/13
Date:	
	l'ha
	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