KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Reve	arse Side	e)				
Op	en Flov	W			Took Dok								
De	liverabi	ilty			Test Date	3 :				No. 15)23-20998-0 (0-00		
Company Noble Energy Inc				Lease Rueb Farm						Well Number 44-16			
County Cheyenne		s	Location SE-NW-SE-SE			Section 16		TWP 3S		RNG (E/W) 42W		Acres Attributed	
Field Cherry Creek					Reservoi Niobrara				Gas Gathering Co Kinder Morgan		ction		
Completio 4/9/2008		9			Plug Bac 1670'	k Total Dep	th		Packer S	et at			
Casing S 7", 4-1/2			Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 321, 1712'		Perforations 1506'		то 1558'	
Tubing Size 2-3/8"			Weight 4.7#			Internal Diameter 1.995		Set at 1596'		Perforations			
Type Con Single ((Describe)		Type Flui Saltwa	d Production			Pump Un Yes	it or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(Annulus	Tubing)		% C	arbon Dioxi	ide	· · · · · · · · · · · · · · · · · · ·	% Nitrog	en	Gas Gra	avity - G _s	
Vertical C	epth(H)		······		Pres	sure Taps			·	(Meter F	lun) (Prover) Size	
Pressure	Buildup	o: Shut i	6/6		11 at 1	0:00	(AM) (PM)	Taken		20	at	/AM /PM	
Well on L	ine:		6/8	2			_				at	•	
						OBSERVE	D SURFACE	DATA		<u> </u>	Duration of Shut-	52.5 Hours	
Static / Orifice Dynamic Size Property (inches)		Prove	Meter Prover Pressure		Flowing Well He Temperature I				Tubing Welthead Pressure (P _a) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In) psi	g (Pm)	Inches H ₂ 0	<u> </u>		psig	osia	psig	psia	·		
Flow													
						FLOW STE	REAM ATTRI	BUTES					
Plate Coeffied (F _b) (F Mold	ient	Circle or Mater Prover Pre psia	or [Press Extension P_x h	Grav Fac F,	tor	Flowing Temperature Factor F _{II}	Fa	riation actor	Metered Flow R (Mctd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _n	
<u> </u>													
(P _a)² =		_:	(P_)² =_	:	(OPEN FL		/ERABILITY) % (P		.ATIONS - 14.4 =	:	(P _a) ⁻ (P _a)	² = 0.207 ² =	
(P ₄) ² - (F or (P _a) ² - (F		(P _t)² - (P	_)*	1. $P_{e}^{2} - P_{g}^{2}$ 2. $P_{e}^{2} - P_{g}^{2}$	LOG el lormula t. or 2. end divide	P.2. P.2	Slope 	sure Curve = "n" or gned rd Slope	1	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)	
			_		_			-					
Open Flor	w	<u></u>		Mcfd @ 14,	65 psia		Deliverabil	ity			Wcfd ② 14.65 psi	a	
Tha ·	underei	nned suth	ority on			states that h			lo e! "		t and that he ha	 	
							this the 27			ecember	t and that he ha		
		 ,	Vitness (if a	<u>.</u>		JAN 1		CK	ley	1 6 For C	<u>Cuan</u>		
			For Commiss	sion			_		<u></u>	V	ked by	<u>.</u>	
					K	UU WI	CHITA						

exempt status und and that the foreg correct to the best 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. soing 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. Set a one-year exemption from open flow testing for the Rueb Farm 44-16
	ounds that said well:
(Check	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: <u>12/27/2011</u>	
	Signature:

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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KCC WICHITA

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.