KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

	i:			(-	See Insti	ructions on Re	verse Side	?)			
= :	en Flow liverabilty			Test Date) :				l No. 15	0.00	
Company	· · · · · · · · · · · · · · · · · · ·	Inc				Lease Raile		15-	-023-20776-0		Well Number
Noble Energy Inc. County Location Chevenne NENE			Section 11		TWP 3S	TWP		/W)		Acres Attributed	
Cheyenne NENE Field Cherry Creek			Reservoir Niobrara				42W Gas Gathering Connection Southern Star/Kinder Morgan			RECEIV DEC 2 0 KCC WICH	
Completic	on Date			Plug Back Total Depth 1724'				Packer Set at		DEC 20	
7/10/2008 Casing Size Weight			Internal D			Set at 320', 1766'		orations 2'	то 1574'	KCC MICI	
7", 4-1/2" 17#, 10.5# Fubing Size Weight			HC.(9-7/8", Internal E		Set	Set at		orations	To	<u> </u>
2-3/8" 4.7# Type Completion (Describe)			1.995 1618' Type Fluid Production			8	Pump Unit or Traveling Plunger? Yes / No				
Single (gas) Producing Thru (Annulus / Tubing)					saltwater % Carbon Dioxide			yes % Nitrogen Gas Gra			avity - G
ubing /ertical D	Depth(H)				P	ressure Taps				(Meter F	Run) (Prover) Size
Pressure Buildup: Shut in 11/20 20			\ \ \ \			Taken		20	at	(AM) (PM)	
Vell on L	.ine:	Started <u>11/21</u>	20	12 at 1	1:15	(AM) (PM)	Taken		20	at	(AM) (PM)
					OBSEF	RVED SURFAC	E DATA			Duration of Shut-	in 24 Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	ture (P _w) or (F	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		paig (r m)	mones 1120			105	psia	psig	psia		
Flow											
					FLOW S	STREAM ATTE	RIBUTES		I	1	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia Press Extension √ P _m x h		Gravity Factor F ₀		Flowing Temperature Factor F _{II}	Fa	Peviation Metered Flor Factor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	1 Gravity
D 12 _		(P)2 =				LIVERABILITY					² = 0.207 ² =
$ (P_c)^2 = $		Choose formula 1 or 2:		P _d =		Backpre Slo	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w	<u> </u>	Mcfd @ 14.	65 psia		Deliveral	bility			Mcfd @ 14.65 psi	ia
·		ed authority, on			states tha	at he is duly a	uthorized t	to make t	he above repo	rt and that he ha	as knowledge of
ne facts s	stated thei	ein, and that said	l report is true	and correc	t. Execu	ited this the $\frac{1}{2}$	7	day of _	December		, 20 12
		Witness (if a								ompany	

exempt status und and that the foregoing 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 der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. going pressure information and statements contained on this application form are true and tof 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. est a one-year exemption from open flow testing for the Raile 41-11
gas well on the gr	rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: <u>12/17/2012</u>	2
	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.

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.