RECEIVED

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

	en Flow	7 -		(Test Date		ctions on Re	verse Side		No. 15			
	liverabilty	<u> </u>		_				15-	023-21027-			
Company Noble Energy Inc			Lease Keller Farms					33-7	Well Number			
County Location Cheyenne NE-SW-NW-SE			Section 7		TWP 2S			(W)	ļ	Acres Attributed		
Field Cherry Creek			Reservoir Niobrara					thering Conn ern Star	ection			
Completion Date 11/18/2008			Plug Bac 1414'	k Total De	pth	Packer Set at		Set at				
Casing S 7", 4-1/2	Casing Size Weight ", 4-1/2" 17#, 9.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 245',1449'		Perforations 1274'		· то 1308'		
Tubing Si 2-3/8"			Internal Diameter 1.995			1260'		rations	То			
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plung Rod Pump				
Producing Thru (Annulus / Tubing) Tubing				% C	% Carbon Dioxide			% Nitrog	jen	Gas Gra	Gas Gravity - G	
Vertical D	epth(H)				Pre	ssure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildup:			0_13_at_1	1:20		Taken		20	at	(AM) (PM)	
Well on L	ine:	Started 12/3	32	13 at 1	1:20	_ (AM) (PM)	Taken	 	20	at	(AM) (PM)	
	<u>.</u>				OBSERV	ED SURFAC	E DATA			Duration of Shut-i	in 24 Hours	
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressu	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		e Wellhead Pressure (P_*) or (P_t) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			2-	-		psig 163	psia	psig	ρsia		<u> </u>	
Flow				_		<u></u>						
			T	- 	FLOW ST	REAM ATTE	RIBUTES					
Plate Coefficeient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia Press Extension Pmxh		Gravity Factor F		Flowing Temperature Factor F _{tt}	remperature Factor F		Metered Flo R (Mcfd)	w GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
(P _c)² =		: (₽)²=	:;	(OPEN FL		VERABILITY	/) CALCUI P _e - 14.4) +		:	(P _a) ² (P _d) ²	² = 0.207 ² =	
$(P_c)^2 - (P_c)^2 - (P_c$		(P _c) ² · (P _w) ² (P _c) ² · (P _w) ² 1. P _c ² · P _c ² 2. P _c ² · P _d ² divided by: P _c ² · P _w ²		LOG of formula .1. or 2. and divide D 2. D 2		Backpre Sic	Backpressure Curve Slope = "n" Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			- c w				·					
Open Flow Mcfd @ 14.65 psia						Deliverability				Mcfd @ 14.65 psia		
	_								•	ort and that he ha	s knowledge of, 20 <u>13</u>	
ne tacts s	iated the	rein, and that sa	aia report is true	and correc	a. Execute	ea this the		day of		<u></u>		
	· ····	Witness (i	if any)	<u> </u>	······································				For	Company	KCC WICH	
		For Comm	nission	_					Che	ecked by	DEC 3 1 2013	

	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
and that the foregoreet to the best of equipment instance. I hereby requires	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. East a one-year exemption from open flow testing for the Keller Farms 33-7 Counds 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 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.
	Signature: Chery forms

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

DEC 3 1 2013