Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

	en Flow liverabil				Test Date			erse Side	API	No. 15)23-21205-0	0-00	
Company Noble Energy Inc					-	Lease Keller Farms			Well Number			
County Location Cheyenne N2-NW-SE-SW				Section 7		TWP	TWP 2S		RNG (E/W) 38W		Acres Attributed	
Field Cherry Creek				Reservoir Niobrara					nering Conne	ection		
Completion Date 1/21/2009				Plug Bac 1393'	Plug Back Total Depth 1393'			Packer S	et at			
Casing Si 7", 4-1/2'	asing Size Weight , 4-1/2" 17#, 9.5#			Internal [9-7/8",		Set at 164', 1438'		Perforations 1232'		To 1272'		
Tubing Si 2-3/8"	ubing Size Weight 4.7#			it	Internal Diameter 1.995		Set at 1285'		Perforations		То	
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? (A) / No				
Producing	Thru	(Annı	ulus / Tubing	g)	% C	arbon Diox	ide		% Nitrog	en	Gas G	ravity - G _g
Tubing												
Vertical D	epth(H))	_			Pres	sure Taps				(Meter	Run) (Prover) Size
			20 13 at 1		(PM)	(PM) Taken		20	at	(AM) (PM)		
Well on Li	ine:	s	itarted 9/2	82	20 13 at 2	:15	(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut	-in_27.25 Hours
Static / Dynamic Property	c Size		Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H ₂ 0		Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Liquid Produced (Barrels)
Shut-In	ut-In		100					pşia	psig · psia			
Flow												
				1		FLOW ST	REAM ATTRI	BUTES		· · · · · · · · · · · · · · · · · · ·		
Plate Coeffiecient (F _b) (F _p) Mcfd		Citcle one: Meter or Prover Pressure psia Press Extension P _m x h		Grav Fac F	tor	Flowing Deviation Femperature Factor Factor F _{pv}		actor	tor R		eet/ Flowing Fluid Gravity G _m	
(P _c)² =		_:	(P_,)2 =	::	P₁≖		/ERABILITY) % (P		-ATIONS - 14.4 =	:) ² = 0.207) ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		Choose formula 1 or 2: 1. P _c ² - P _e ² 2. P _c ² - P _c ² 1. or 2. and divid		P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned		9	F 7	Antilog	Open Flow Deliverability Equals R x Antilog
				divided by: $P_c^2 - P_c$	by:	<u> </u>	Standa	ard Slope				(Mcfd)
Open Flov	w I			Mcfd @ 14	.65 psia		Deliverab	ility			Mcfd @ 14.65 ps	sia .
The u	undersi	_	•	n behalf of the	Company,		ne is duly au	thorized t		e above repo	rt and that he h	as knowledge of
he facts st	tated th	erein	, and that s	aid report is tru	e and correc	t. Executed	I this the 27	<u> </u>	day of D	ecemper		, 20 <u></u> .
			Witness (i	if any)			-			ForC	ompany	CC WICHI
			For Comm	nisslon			_			Chec	ked by	DEC 3 1 2013

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Keller Farms 24-7
gas well 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 I further 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: 12/27/13
Date: 12/27/13 Signature: Charle Johnson Title: Completions Supervisor

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.

DEC 3 1 2013