## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				(	See Instruct	tions on Rev	erse Side	e)				
= '	pen Flo eliverat				Test Date	<b>э</b> :				No. 15 023-21196-0	00-00		
Company Noble Energy Inc				Lease Keller Farms			arms	,		32-18	Well Number 32-18		
County Location Cheyenne SE-NW-SW-N					Section 18	TWP 2S		RNG (E/W) 38W		, , , , , , , , , , , , , , , , , , ,	cres Attributed		
Field Cherry C	Creek				Reservoir Niobrara				Gas Gathering Connect Southern Star		ection		
Completi 1/9/2009		0			Plug Bac 1443'	k Total Dept	th	,	Packer	Set at			
Casing S 7", 4-1/2			Weight 17#, 1	0.5#		Internal Diameter 9-7/8", 6-1/4"				rations <b>4'</b>	то 1324'		
Tubing S 2-3/8"	ize		Weight <b>4.7</b> #		Internal ( 1.995	Diameter	Set a 1286		Perfo	rations	То		
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater				Pump U	nit or Traveling	Plunger? Yes	/ No	
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrogen		Gas Gravity - G			
Vertical E	Depth(H	1)	• •			Pres	sure Taps	<u>.</u>			(Meter F	iun) (Prover) Size	
Pressure	Buildu	p:	Shut in <u>6/30</u>	2	0_11_at_1	0:15	(PM)	Taken		20	at	(AM) (PM)	
Well on L	.ine:		Started 7/5		0 <u>11</u> at <u>1</u>	0:15	(PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE				Duration of Shut-i	120 Hours	
Static / Dynamic Property	Orifi Siz (inch	0	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature I	Well Head Temperature t	Casi Wellhead F (P <sub>w</sub> ) or (P <sub>t</sub>	Pressure	Wellhe	Tubing ead Pressure r (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-in							130	pola	ps.g	pou			
Flow				<u> </u>		51 011 050							
81-4-	. 1		Circle one:			FLOW STH	EAM ATTRI	BUTES					
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,)	Pro	Meter or ver Pressure psia	Press Extension Pxh	Grav Fac	tor T	Flowing Femperature Factor F <sub>tt</sub>	Fa	riation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
/D \2 -			(5.)2		•	• •	ERABILITY)					= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =_	hoose formula 1 or 2	P <sub>a</sub> =			14.4) +		: :	(P <sub>a</sub> )²	<u></u>	
(P <sub>e</sub> )² - (I or (P <sub>e</sub> )² - (I	•	(F	(P <sub>#</sub> ) <sup>2</sup> - (P <sub>#</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> vided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide	P <sub>a</sub> <sup>2</sup> -P <sub>a</sub> <sup>2</sup>	Slope	sure Curve e = "n" or igned rd Slope	n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	<u> </u>			Marie @ 14	SE pain		Daliwasahii	i.a			Ma-64 @ 14 CSi-		
Open Flo	<del>w</del>			Mcfd @ 14.	os psia		Deliverabi	ну			Mcfd @ 14.65 psia	<u> </u>	
			I authority, on		•		-			ne above repo lovember	rt and that he has	knowledge of	
								CK	eu	I B	Kuser	RECEIVED	
			Witness (if a				_		1	<i>//</i>	ompany	DEC 1 3 201	
			For Commis	S-IUF						Chec	ked by		

	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
and that the foreg	going pressure information and statements contained on this application form are true and
correct to the bes	t 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.
I hereby requ	est a one-year exemption from open flow testing for the Keller Farms 32-18
gas well on the gr	ounds 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 to corroborate this claim for exemption from testing.
Date: _11/18/2011	
	Signature: <u>Ley bloom</u> Title: Regulatory Analyst II

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 13 2011