KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(6	See Instructi	ions on Reve	rse Side	r)			
	en Flow			Test Date);				No. 15		
<u> </u>	iverabilty							15-0	23-21022-0		
Company Noble En	ergy Inc					Lease Keller Fa	rms			12-7	Well Number
County Location Cheyenne N2-SW-SW-NW			Section 7		TWP 2S		RNG (E/W) 38W			Acres Attributed RECEIV	
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection Southern Star			DEC 0.5 2	
Completion Date			Plug Back Total Depth			Packer Set at					
10/8/2008 Casing Size Weight			1292' Internal E	Set at		Perforations		То	KCC WICH		
7", 4-1/2" 17#, 11.6#			9-7/8",		175', 1335'		1137'		1172'		
Tubing Size Weight 2-3/8" 4.7#			Internal D 1.995	Jiameter	Set at 1384'		Perforations		То		
Type Completion (Describe) Single (gas)			Type Flui Saltwa	d Production ter	1		Pump Uni yes	t or Traveling	Plunger? Yes / No		
	Thru (And	nulus / Tubing)		% C	arbon Dioxi	de		% Nitroge	ıл	Gas Gr	avity - G _ş
Fubing Vertical De	epth(H)				Press	sure Taps				(Meter I	Run) (Prover) Size
Pressure E	Buildup:	8/28	20	0_12 at_1	0:00	(AM) (PM) 1	Taken		20	at	(AM) (PM)
Well on Lir	•	Started 8/29		12 at 1		_				at	
					OBSERVE	D SURFACE	DATA			Duration of Shut-	in_24 Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Pressur		Flowing Temperature	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_l) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)
Shul-In		psig (Pm) Inches H				psig 82	psia	psig	psia		
Flow							·				
					FLOW STR	EAM ATTRIE	BUTES				
Plate Coeffiecte (F _b) (F _p Mcfd	ent) Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m x h	Grav Fact	tor 1	Flowing Femperature Factor F _{II}	Fa	viation actor F _{pv}	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	I Gravity
D \2		(D.)2		•	• •	ERABILITY)					² = 0.207
$(P_c)^2 = $ $(P_c)^2 - (P_c)^2$		$\frac{(P_{w})^{2} = -\frac{1}{c}}{(P_{w})^{2} + (P_{w})^{2}}$	hoose formula 1 or 2:	LOG of		Backpress				(F _g)	2 =Open Flow
or (P _c) ² - (P	_	2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_u^2$		formula 1. or 2. and divide by: p 2 p 2		Assigned Standard Slope		n x LOG	Antilog	Deliverability Equals R x Antilog (Mcfd)	
Open Flow			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd @ 14.65 ps	ia
The u	ındersiane	d authority, on	behalf of the	Company, s	states that h	e is duly aut	horized t	to make the	e above repo	ort and that he ha	as knowledge of
	•	•	id report is true	•		•			· ·		, 20 12
		Witness (if	anv)			_			For	Company	

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that correct of equip The	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named reby request a one-year exemption from open flow testing for the Keller Farms 12-7 I 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 ther agree to supply to the best of my ability any and all supporting documents deemed by Commiss necessary to corroborate this claim for exemption from testing.
Date:	1/30/2012 Signature: 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.