KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	tions on Re	verse Side	3)			
	en Flow				Test Date	9 :			API	No. 15		
De	liverabilt	у	···	***************************************					15-0	023-21123-0	0-00	
Company Noble Energy Inc						Lease Keller Farms			Well 24-12			Well Number
County Location Chevenne NW-NE-SE-SW				Section 12		TWP 2S		RNG (E/W) 39W		4	Acres Attributed	
Cheyenne NW-NE-SE-SW Field				Reservoi		25	Gas Gathering		herina Conne	ction	RECEIV	
Cherry Creek				Niobrara				Southern Star			DECO	
Completion Date 11/13/2008				Plug Bac 1426'	k Total Dept	th	Packer S		et at		RECEIVA DEC 05 2 KCC WICH	
Casing Size Weight 7", 4-1/2" 17#, 10.5#			Internal (Set at 190', 1462'		Perforations 1251'		то 1278'	VCC MICH		
Tubing Size			Weight			9-7/8", 6-1/4" Internal Diameter		Set at		Perforations		
2-3/8" 4.7#				1.995								
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No yes					
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide			% Nitrogen G		Gas Gr	avity - G _g		
Vertical Depth(H)					Pressure Taps					(Meter f	Run) (Prover) Size	
ressure	Buildup:	Shut in	8/8	2	0_12_at_1	2:30	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Li	ine:	Started			12 at 1:40							(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	in Hours
Static / Ori		Circle one: Meter		Pressure	Flowing	Well Head	Casing			ubing	Duration	Liquid Bradused
Oynamic Property	Size (inches	Prover	Pressure	1	Temperature t	Temperature t	Wellhead Pressur (P _w) or (P _t) or (P _c		Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
		' psig	(Pm)	Inches H ₂ 0	_		psig	psia	psig	psia		
Shut-In							133		ļ			
Flow									l.			
	Т					FLOW STR	EAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension	Grav Fac	tor	emperature Fa		viation Metered Flow actor R		(Cubic Fe	l Gravity l
				✓ P _m xh	P _m xh f		F _{tt}		pv	(Mcfd)	Barrel)	G _m
°c)2 =		: ((P _w)² =	:	(OPEN FL	OW) (DELIV		') CALCUI ⁻ 。- 14.4) +		;	(P _a) (P _d)	² = 0.207 ² =
Choose formula 1 or 2:			•				Backpressure Curve		Open Flow			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_a)^2$		$(P_c)^2 \cdot (P_w)^2$ 1. $P_c^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$		formula 1, or 2.		Slope = "n"		_ nxl	.0G	Antilog	Deliverability Equals R x Antilog	
(P _c)²- (P _d)²		divided by: P2-P2		and divide p2-p2 by:		Assigned Standard Slope					(Mcfd)	
Open Flow Mcfd @ 14.65 psia							Deliverability Mcfd @			Mcfd @ 14.65 ps	ia	
The u	ındersigi	ned autho	ority, on b	pehalf of the	Company,	states that h	e is duly a	uthorized t	to make th	e above repor	t and that he ha	as knowledge of
e facts si	tated the	rein, and	that said	report is true	and correc	t. Executed	this the 3	0	day of N	ovember		, ₂₀ 12
		13	Vitness (if ar	nul			-			50	OM DORN	
		v	iuiess (II af	/ y /						For C	ompany	
		F	or Commissi	ion			_			Chec	ked by	

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 24-12 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: 11/30/2012											
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.