KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	tions on Rev	erse Side	e)			
Open Flow Deliverabilty				Test Date) ;			00				
Company Noble Energy, Inc.						Lease Keller F a	Lease Keller Farms			Well Number 12-7		
County Location Cheyenne N2-SW-SW-NW				Section 7		TWP 2S			N)	Acres Attributed		
Field Cherry Creek Niobrara Gas Area				Reservoir Niobrara					nering Conn n Star via F	ction ecord Compressor		
Completion Date 10/8/2008				Plug Bac 1292'	k Total Dept	th		Packer Set at n/a				
Casing Size Weight 7", 4-1/2" 17#, 11.6#				Internal [9-7/8" ,		Set at 175', 1335'		Perforations 1137'		то 1172'		
Tubing Size Weight n/a				Internal [Diameter	Set a	Set at		ations	То		
Type Completion (Describe) Single (Gas)				Type Flui Saltwa	d Production ter	n	Pump Uni No		it or Traveling Plunger? Yes /		No No	
Producing Thru (Annulus / Tubing) Annulus				% C	arbon Dioxi	de	% N		en	Gas Gra	Gas Gravity - G _g	
Vertical Depth(H)						Pressure Taps					(Meter R	un) (Prover) Size
Pressure	Buildup:	Shut in .	10/13	/2	08 at		(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line:		Started _	1/19/		09 at 2	. 4 =					at	
						OBSERVE	D SURFACE	DATA		***************************************	Duration of Shut-ir	2,352 Hours
Static / Orifice Dynamic Size Property (inches)		Me. Prover P	Circle one: Meter Prover Pressure psig (Pm)		Flowing Temperature t	Well Head Temperature t	ture (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		Poig	,	Inches H ₂ 0			200	psia	psig	psia		
Flow												
						FLOW STR	EAM ATTRI	BUTES				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Gravi Extension Factor ✓ P _m x h F _g		or Temperature		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
(P \2 -		· /D	12 -		•	, ,	ERABILITY)		ATIONS 14.4 =	•	(P _a) ² (P _d) ²	= 0.207
$(P_c)^2 = $ $(P_c)^2 - (P_c)^2 - ($	P _a) ²	(P _c) ² - (P _w) ²	Cho	; ose formula 1 or 2: 1. P _c ² - P _e ² 2. P _c ² - P _d ² led by: P _c ² - P _w ²	LOG of formula 1, or 2.	P _c ² -P _w ²	Backpres Slop Ass	sure Curve e = "n" origned and Slope	n x l	ГЛ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psia	
	_	rein, and th	-	report is true	and correct	t. Executed	this the 9th		/_	ctober	Thand that he has	knowledge of, 20 09
			Commissio			CT 16					ked by	
					KC	C WIC	HITA					

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 12-7 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 Commiss	on
staff as necessary to corroborate this claim for exemption from testing. Date:	
Signature:	
Tiuc.	

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.