KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Rev	verse Side	e)					
Op	en Flo	w			Test Date	a :			AP	No. 15				
De	eliverat	ilty								023-21198-0				
Company Noble Energy, Inc.					Lease Keller Farms			arms			[′] 43-18	Well Number 43-18		
County Cheyeni	ne		Location E2-W2-		Section 18		TWP RNG (E/W) Acres Attributed 2S 38W							
Field Cherry (Creek	Niot	orara Gas Ar	ea	Reservoir Niobrara					thering Conne ern Star via R	ection lecord Compres	sor		
Completion 1/8/2009		te			Plug Bac 1442'	k Total Dept	h		Packer : N/A	Set at				
Casing Size 7", 4-1/2"			Weight 17#, 11.6#		Internal Diameter 9-7/8", 6-1/4"		Set at 252', 1483'		Perforations 1282'		то 1320'			
Tubing S 2-3/8"	ize		Weight 4.7#		Internal E 1.995"			То						
Type Con Single (escribe)		Type Flui Saltwa	d Productior I ter	1		Pump U No	nit or Traveling	Plunger? Yes	/ No		
	g Thru	(Anr	nulus / Tubing)	% C	arbon Dioxí	de		% Nitrog	gen	Gas Gra	avity - G	9	
Tubing Vertical E	Depth(H	4)				Press	sure Taps				(Meter F	Run) (Pro	over) Size	
vortiour 2	, op(-,									,	, ,	, 	
Pressure	Buildu	ıp: :	Shut in	3/2	0 <u>09</u> at		(AM) (PM)	Taken		20	at	(/	AM) (PM)	
Well on L	ine:		Started 1/19		0 <u>09</u> at <u>2</u>		\sim				at			
	·					OBSERVE	D SURFACE	DATA			Duration of Shut-i	n_144	Hours	
Static /	Orif Siz		Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casi Wellhead	•	1	Tubing ead Pressure	Duration	1 '	id Produced	
Dynamic Property	(inch		Prover Pressui psig (Pm)	in Inches H ₂ 0	t	t	(P _w) or (P _n	(P_w) or (P_1) or (P_c) (P_w) or (P_1) or (P_c) (Hours)		(Barrels)				
Shut-In							310		Political					
Flow														
						FLOW STR	EAM ATTRI	BUTES				Т		
Plate Coeffiec (F _b) (F Mcfd	eient p)		Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _s	tor T	Flowing emperature Factor F ₁₁	Fa	viation actor F	Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	et/	Flowing Fluid Gravity G _m	
					(OPEN FL	OW) (DELIV	•					= 0.20)7	
$(P_c)^2 =$		_:_	(P _w) ² =_	Choose formula 1 or 2.	P _d =		1	<u>-</u> - 14.4) +		:	(P _d) ²	=		
(P _c) ² - (I or (P _c) ² - (I		(P	(P _w) ² - (P _w) ²	1. P _c ² - P _a ² 2. P _c ² - P _d ² ivided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slop Ass	ssure Curve e = "n" or signed ard Slope	l _{n x}	rog	Antilog	Deliv Equals	en Flow verability R x Antilog Mcfd)	
				. c w									-	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	lity			Mcfd @ 14.65 psi	a		
		_	•						/	ne aboye repo October	rt and that he ha		edge of 09	
the facts s	tated t	herei	n, and that sa	d report is true	e and correc				day of	1/6	0.0/	, 2	u <u>~~</u> .	
			Witness (if	any)	KAI	NEC NSAS CORPOR	EIVED PATION COMP	ussien_C	u	For C	ompa y			
			For Commi	ssion		OCT :	1 9 2009			Chec	ked by			

	eclare 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 equi	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. Treby request a one-year exemption from open flow testing for the
	(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 Therefore agree to supply to the best of my ability any and all supporting documents deemed by Commissi necessary to corroborate this claim for exemption from testing.
Date:	0/15/09 Signature: Aud Jaseph Title: Regulatory Specialist

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.