KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test						(See ms	structio	ons on Hev	erse Side	! /						
	en Flo liverab					Test Date) :					I No. 15 -023-21	188-0	O-00			
Company Noble E		gy Ir	nc.						Lease Rogers		10-	-025-21	100-0	21.22		umber	
County Location Cheyenne SW-NE-NE-NW				Section 32			TWP 5S		RNG (E/W) 39W			Acres	Attributed RECEI				
Field Prairie Star				Reservoir Niobrara					Gas Gathering Conn Kinder Morgan			ction	*** - ****	DEC 2 0			
Completion Date 6/1/2011				Plug Bac 1494'	Plug Back Total Depth 1494'				Packer Set at			**	K	CC Muc			
Casing Size Weight 7", 4-1/2" 17#, 11.6#					Internal Diameter 9-7/8", 6-1/4"			Set at 345', 1534'		Perforations 1291'		To 1315'		OC VVIC			
Tubing Size Weight 2-3/8" 4.7#				Internal [Internal Diameter 1.995			Set at 1354'		Perforations		То					
Type Completion (Describe) Single (gas)					Type Flui saltwa		uction			Pump Unit or Traveling F			Plunger? Yes / No				
	,	(Anı	nulus / Tubii	ng)		% C	arbon I	Dioxid	e		% Nitrog	gen		Gas Gr	avity -	G _o	
/ertical D	epth(F	Н)						Press	ure Taps					(Meter I	Run) (f	Prover) Size	
Pressure	Buildu	p:	Shut in	/22	2	0_12_at_1	0:00	((AM) (PM)	Taken				at		(AM) (PM)	
Vell on L	ine:		Started _10			0 <u>12</u> at <u>1</u>		`						at			
							OBSE	RVEC	SURFACE	DATA				Duration of Shut-	in_24	Hours	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure ifferential in inches H ₂ 0	Flowing Wel Temperature Temp		ead ature	. I Wollhoad Pr		Tubing Wellhead Pressu (P _w) or (P ₁) or (P		(،۵	Duration I (Hours)		uid Produced (Barrels)	
Shut-In									66	psia	parg						
Flow																	
			Circle one:	T			FLOW	1	AM ATTRI	BUTES		Ι				1	
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		1	Press Extension ✓ P _m x h		Gravity Factor F		Flowing Temperature Factor F _{f1}		riation actor = pv	Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
P _c) ² =		:	(P)²	=	;	•	OW) (DI	ELIVE %	RABILITY)	CALCUL - 14.4) +			:		² = 0.	207	
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_a^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2.		Backpressi Slope oi Assig			, n x	x LOG		Antilog	C De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
													-				
Open Flo	w			М	cfd @ 14.	65 psia		······	Deliverabi	lity				Acfd @ 14.65 ps	ia	į	
The (unders	igne	d authority,	on beh	alf of the	Company, s	states th	nat he	is duly au	thorized t	o make t	he abov	e repor	t and that he ha	as know	wledge of	
e facts s	tated t	herei	in, and that	said rep	port is true	and correc	t. Exec	uted t	this the 17	·	day of	Decemb	er		,	20 12 .	
			Witness	(il any)									For Co	ompany	· · · · · · · · · · · · · · · · · · ·		
			For Com	mississ										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.								
	going pressure information and statements contained on this application form are true and								
	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.								
• •	est a one-year exemption from open flow testing for the Rogers 21-32								
	rounds that said well:								
gas well on the gr	ounds 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								
\checkmark	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 y to corroborate this claim for exemption from testing.								
Date: 12/17/201	2								
	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.