KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instr	ructions	on Rev	erse Side)						
= '	en Flo liverab				Test Date	9 :					No. 15 181-20547-	00-00				
Company Noble E		Inc	,					ease lue					33-11	Vell Nu	mber	
County Location Sherman NE-NW-NW-SE				Section 11			WP SS		RNG (E/W) 40W			Acres Attributed				
Field			Reservoi	Reservoir				Gas Gathering Connection								
Prairie Star Completion Date			Plug Bac	Niobrara Plug Back Total Depth				Kinder Morgan Packer Set at								
Casing S	709 ize	7	Weigh		1521'	Diameter	 	Set at		Perfo	rations		То			
7", 4 1/2" 20#, 9.5#			9 7/8", 6 1/4"			419', 1562'		136		1400'						
Tubing Size Weight 2 3/8" 4.7#			1.995	Internal Diameter Set at 1.995				Perfo		То						
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Yes								
Producing		(An	nulus / Tubing)	% (arbon Di	oxide			% Nitrog	en	· · · · · · · · · · · · · · · · · · ·	Gas Gra	vity - C	,	
Tubing Vertical D)epth(H	1)				P	ressure	Taps				1	(Meter F	lun) (Pi	over) Size	
			210											···		
Pressure	Buildu		Shut in 6/20		0 11 at 1		_				20					
Well on L	ine:		Started 6/21	2	0 <u>11</u> at <u>1</u>	1.00	- ®) (PM)	Taken		20	at		(AM) (PM)	
			1			OBSER	VED SI	URFACE	DATA			Duration	of Shut-i	n 24	Hours	
Static / Dynamic Property	namic Size		Circle one: Mater Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Temperature Temp		Head Wellhead Pr (P _w) or (P,)		ressure) or (P _c)	(P _w) or (P ₁) or (P _c)			Duration ((Hours)		Liquid Produced (Barrels)	
Shut-In	nut-in		parg (r m)	menes ri ₂ 0				psig psi		psig	psia					
Flow																
			· · · · · · · · · · · · · · · · · · ·	.,	,	FLOW S	TREAM	ATTRII	BUTES			· · · · · · · · · · · · · · · · · · ·				
Ptate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fact		Tempe Fa	wing erature ctor	Deviation Factor F _{gv}		Metered Flor R (Mcfd)		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		:	(P _*) ² =	:	(OPEN FL	OW) (DEI	LIVERA		 CALCUL - 14.4) +		:		(P _a) ² (P _d) ²	= 0.2	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		cose formula 1 or 2: 1. $P_c^2 - P_s^2$ LOG of formula 2. $P_c^2 - P_s^2$ Lor 2. 2. $P_c^2 - P_s^2$ and divide by:		P _c ² - P _e ²		Backpressure Curve Slope = *n* or Assigned Standard Slope		, n x 100		Antik	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia	-	De	eliverabil	ity			Mcfd @ 14	4.65 psi	<u> </u>		
				behalf of the id report is true							ovember LA	ort and tha	ot he ha	RÉ	edge of CEIVED	
			For Commi	ssion			_			<i>y</i>	Che	cked by	ı		WICHITA	
													•	·UU	ANIQUITY	

I decla	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	he foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records
of equipme	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
	by request a one-year exemption from open flow testing for the Blue 33-11
	n 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
مالدر بالأدار	
	er agree to supply to the best of my ability any and all supporting documents deemed by Commission ecessary to corroborate this claim for exemption from testing.
Date: 11/	11/2011
	Signature: Cheus house
	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.

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DEC 0 2 2011

KCC WICHITA