KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	verse Side	∍)				
□ Op	en Flo	W			-								
De	liverab	ilty			Test Date	9:				No. 15 023-20228-0	0-00		
Company Noble Energy Inc				Lease Raile						1-11	Well Number		
County			Locatio	n	Section		TWP		RNG (E/	W)		Acres Attributed	
Cheyeni	ne		SW-NE		11		38		42W				
Field Cherry Creek			. Justin		Aeservoir Niobrara			Gas Gatherin Kinder Mor		hering Conne Morgan	ction		
Completion Date 4/26/1985			Plug Back Total 1680'				th		Packer Set at				
-	Casing Size 7", 4-1/2"		Weight 20#, 9.	5#	Internal Diameter 9-7/8", 6-1/4"		Set at 353', 1690'		Perforations 1558'		то 1580'		
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995			Set at 1520'		Perforations			
Type Cor Single (ı (D	escribe)		Type Flui Saltwa	id Productio	ព	•	Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(An	nulus / Tubing)	•	% C	Carbon Diox	ide		% Nitrog	en	Gas Gr	avity - G _o	
Vertical D	Depth(H	1)				Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu	p:	Shut in 4/12	2	0 11 at 1	:45	(AM) (PM)	Taken		20 .	at	(AM) (PM)	
Well on L	.ine:		Started 4/13		11 at 3		_					(AM) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-		
Static / Oynamic Property	Orific Size (inche	8	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _m) or (P _t	Pressure) or (P _c)	Wellhe (P _w) or	rubing ad Pressure r (P ₁) or (P ₆)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In			pag (r my	menos ri ₂ o			200	psia	psig	psia			
Flow													
	-					FLOW STE	REAM ATTRI	BUTES			<u> </u>		
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F	tor	Flowing Temperature Factor F _{II}	Fa	riation actor _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G	
					(OREN EL	OW) (DEL 0)	/ERABILITY)	CALCUI	ATIONS				
(P _e) ² =			(P _w)² =_		P _d =	. ,		- 14.4) +		•	(P _a) ² (P _a) ²	= 0.207	
(P _e)²-(I	_ [_ · (F		1. P ² -P ² 2. P ² -P ²			Backpres Slop	ssure Curve e = "n" or		LOG	Antilog	Open Flow Deliverability	
(우 ₀)²- (I	P _d)²		an	ided by: P _c ² - P _w ²	and divide	P _c ² - P ₂ ²		signed ard Slope			·	Equals R x Antilog (Mcfd)	
					 								
Open Flow			Mcfd ♥ 14.65 psia				Deliverability		L	Mcfd @ 14.65 psia			
The t	undersi	gned	d authority, on	behalf of the	Company, s	states that h	ne is duly au	thorized t	o make th	e above repor	t and that he ha	s knowledge of	
			n, and that said					ı	_	ecember		, 20 11	
· ···=•			Witness (if a	пу)				CL	cyl	A for Co	Kya mpeny	RECEIVE	
		 ·	For Commiss	sion			_		<u> </u>	Check	ed by	DEC 2 8 2	

l do	clare 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										
	the foregoing pressure information and statements contained on this application form are true and										
correct t	o 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 Raile 1-11											
	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											
l fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commissio										
staff as	necessary to corroborate this claim for exemption from testing.										
Date: _12	2/14/2011										
	Signature: Kerft formson										
	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.

RECEIVED

DEC 2 8 2011