KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instruc	tions on Re	verse Side))					
= '	en Flow Ilverabil				Test Date	·				No. 15 23-20753-0	00-00			
Company Noble Energy Inc				Lease • Rueb Farm				31-15	Well Number 31-15					
County Cheyenr	ne		Location W-NE		Section 15	**************************************		Acres A	ttributed					
Field Cherry C	Creek				Reservoir Gas Gathering Connection Niobrara Kinder Morgan									
Completic 5/16/200		l			Plug Bac 1709'	k Total Dep	th		Packer S	et at				
Casing Size 7", 4-1/2"			Weight 17#, 9.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 302', 1770'		Perforations 1544'		то 1580'		
Tubing Si 2-3/8"				Internal Diameter 1.995		Set at		Perforations		То				
Type Con Single ((Describe				d Productio	n		Pump Un Yes	it or Traveling	Plunger? Yes	/ No		
		Annulus /	Tubing)			arbon Diox	ide		% Nitroge	n	Gas Gra	avity - C	i _a	
Vertical D	epth(H)					Pres	ssure Taps				(Meter F	Run) (Pr	over) Size	
Pressure	Buildup	: Shut in	6/7	2	0 11 at 9	:40	(PM)	Taken		20	at		AM) (PM)	
Well on L	ine:	Started		20							at			
				<u>.</u>		OBSERVE	D SURFAC	E DATA		·	Duration of Shut-	_{in} 26	Hours	
Static / Dynamic Property	Orific Size (inche	e M Prover	le one: eter Pressure (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head	Cas Wellhead (P _a) or (F	ing Pressure ',) or (P _c)	Wellhea	ubing id Pressure (P _L) or (P _c)	Duration (Hours)	Liqui	d Produced Barrels)	
Shut-In		parg	(*14)	incres A ₂ 0			psig 91	psia	osig	psia	·			
Flow														
						FLOW ST	REAM ATTR	IBUTES						
Plate Coeffiect (F _b) (F McId	ient p)	Circle one Meter o Prover Pres psia	, j	Press Extension Pmxh	Grav Faci F _s	tor	Flowing Temperature Factor F _{II}	Fi	riation actor F _p ,	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
(P _e) ² =		.: (P_)2 =	:	P ₄ =		/ERABILITY) CALCUI 2 - 14.4) +		;		² = 0.2 ² ⇒	07	
$(P_q)^2 \cdot (P_q)^2$ or $(P_q)^2 \cdot (P_q)^2$		(P _e) ² - (P _u) ²		1. P ² -P ² 2. P ² -P ² tormula 1. or 2. and dhidse by: P ² -P ² by:		P _e ² . P _w ²	Backpressu Slope Slope Massign Standard		n x LOG		Antilog	Antilog C Equal		
					<u> </u>							<u> </u>		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	ia		
				pehalf of the report is true			this the 2		day of D		ort and that he ha		rledge of 20 11 .	
		V	/itness (il ar	(V)	•	JAN 17	7 2012		Luge	For	Company			
		Ė	or Commissi	ол	K	CC WI	CHITA			Che	cked by			

	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request						
exempt s	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 t	o the best of my knowledge and belief based upon available production summaries and lease records						
of equipa	ment installation and/or upon type of completion or upon use being made of the gas well herein named.						
l her	eby request a one-year exemption from open flow testing for the Rueb Farm 31-15						
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						
l furt	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission						
	necessary to corroborate this claim for exemption from testing.						
Date: <u>12</u>	2/27/2011						
	Signature: Cheryl Johnson						
	Title: Regulatory Analyst II						
	ride.						

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.

JAN 1 7 2012 KCC WICHITA