## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	: en Flo	W	0		(	(See Instruc	ctions on Re	everse Side	9)				
Deliverabilty					Test Date	Test Date:				API No. 15 15-023-20980-00-00			
Company	,						Lease					Well Number	
Noble Énergy, Inc.							Rueb	Farm		34-16			
County Location Cheyenne SW-SE				Section 16		TWP 3S			RNG (E/W) 42W		Acres Attributed		
Field Reservoir Cherry Creek Niobrara Gas Area Niobrara										thering Conne reek via Arme			
					Plug Bac 1696'	Plug Back Total Depth 1696'			Packer Set at n/a				
	Casing Size Weight 7", 4-1/2" 17#, 10.5#				Internal Diameter 9-7/8", 6-1/4"		Set at 321', 1739'		Perforations 1514'		то 1560'		
Tubing Si 2-3/8"	Tubing Size Weight 2-3/8" 4.7#			Internal Diameter 1.995"			Set at 1592'		rations	То			
Type Completion (Describe) Single (Gas)				Type Flu Saltwa	id Productio	on	Pump Unit or Traveling F Yes			Plunger? Yes / No			
Producing Thru (Annulus / Tubing) Tubing					% (	% Carbon Dioxide			% Nitrogen			Gas Gravity - G <sub>g</sub>	
Vertical D	epth(H	l)				Pres	ssure Taps				(Meter F	Run) (Prover) Size	
			0.10	A.I.		4.45							
Pressure	Buildu		Shut in		0_10_at_1		. (AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:	5	Started 2/2	5/ 2	0 <u>10</u> at <u>1</u>	:40	. (AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	ED SURFAC	E DATA			Duration of Shut-i	n_26 Hours	
Static / Dynamic	Dynamic Size		Circle one: Meter Prover Pressu	Pressure Differential in	Flowing Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>I</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
Property	(inch	psig (Pm)		Inches H <sub>2</sub> 0		t	psig	psia	a psig	psia			
Shut-In							95						
Flow							<u> </u>						
	<del></del>			T		FLOW ST	REAM ATTE	RIBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h	Gra Fac F	tor	Flowing Temperature Factor F <sub>1</sub> ,	Fá	viation actor F <sub>pv</sub>	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>	
(D )2			/D \2		•		/ERABILITY	-				= 0.207	
(P <sub>c</sub> ) <sup>2</sup> =		_ :		Choose formula 1 or 2	P <sub>d</sub> =		~	P <sub>c</sub> - 14.4) +		<u>·</u>	(P <sub>d</sub> ) <sup>2</sup>		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^3$	2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup> 1. or 2.		Slo As	Slope = "n" or Assigned Standard Slope		LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 psia						Deliverat	oility	Mcfd @ 14.65 psia					
The ι	ındersi	gned	authority, o	n behalf of the	Company,	states that h	ne is duly a	uthorized t		•	rt and that he ha	-	
the facts st	tated th	nereir	n, and that sa	aid report is true	e and correc	ct. Executed	d this the <u>3</u>	0th	day of $\frac{A}{2}$	ipril		, <sub>20</sub> <u>10</u> . - <b>RECEIVED</b>	
			Witness (i	f any)			-	$\longrightarrow$	MMM	fle JX	OMPANY COMPANY	INSAS CORPORATION CO	
			For Comm	nission			-			Chec	ked by	MAY <b>0 5</b> 201	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt 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 to 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 Rueb Farm 34-16
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
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: _4/30/10
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.