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

Type Test:				(	See Instru	ctions on Re	verse Side	)			
Open Flo				Test Date	<b>)</b> :				No. 15 023-21009-0	0-00	
Company Noble Energy	Inc					Lease Rueb F	arm		020 21000 0		Well Number B
County		Locatio		Section		TWP		RNG (E	W)		Acres Attributed
Cheyenne Field		E2-NE-I		15 Reservoir		38		42W Gas Gat	hering Conne	ection	RECEIVE
Cherry Creek				Niobrara					Morgan		
Completion Date 5/3/2008	te			Plug Bac 1669'	k Total De	pth		Packer S	Set at		DEC 05
Casing Size 7", 4-1/2"		Weight 17#, 1		internal [ 9-7/8",		Set - 334	at ', 1712'	Perfo 153	rations 7'	то 1574'	KCC WICH
Tubing Size 2-3/8"		Weight 4.7#		Internal [ 1.995	Diameter	Set : 158		Perfo	rations	То	
Type Completio Single (gas)					d Producti			Pump U	nit or Traveling	Plunger? Yes	/ No
Producing Thru		ulus / Tubing	)	% C	Carbon Dio	xide		% Nitrog	jen	Gas Gr	ravity - G <sub>g</sub>
Tubing Vertical Depth(l	-1/				Pro	essure Taps				(Meter	Run) (Prover) Size
verncai Depin(i	יר				Fie	ssure raps				(Meter	Auii) (Flover) Size
Pressure Buildu	•	Shut in	<	0_12_at_1		_ (AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line:	\$	Started 1/26	32	12 at _2	:45	_ (AM) (PM)	Taken		20	at	(AM) (PM)
					OBSERV	ED SURFAC	E DATA			Duration of Shut-	-in 27.25 Hours
Static / Orif Dynamic Siz	tice Meter Differ		Pressure Differential re in	Flowing Well He Temperature		I Wallhaad Praccura		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Liquid Produced (Barrels)
Property (inch	ies)	psig (Pm)	inches H <sub>2</sub> 0		t t	psig	psia	psig	psia		
Shut-In			1			84		ļ			
Flow					<u> </u>						
		_		1	FLOW ST	REAM ATTE	RIBUTES				
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or ver Pressure psia	Press Extension P <sub>m</sub> x h	Gran Fac F	tor	Flowing Temperature Factor	Fa	viation actor F <sub>pv</sub>	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)	eet/ Fluid
<del></del>											
D 12		(D )2 _		•		IVERABILITY _% (	<b>/) CALCUI</b> P <sub>a</sub> - 14.4) +		-		) <sup>2</sup> = 0.207 ) <sup>2</sup> =
$\frac{ P_c ^2}{(P_c)^2 - (P_a)^2}$ or $(P_c)^2 - (P_d)^2$	(P	<sub>c</sub> )²- (P <sub>w</sub> )²	; Choose formula 1 or 2 1. P <sub>c</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide		Backpro Slo	essure Curve ope = "n" or ssigned dard Slope	9	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mofd)
			divided by: P <sub>c</sub> <sup>2</sup> · P <sub>w</sub>	1	<u></u>	J					
Open Flow			Mcfd @ 14	65 psia		Delivera	bility		······································	Mcfd @ 14.65 ps	sia
	•	•	n behalf of the	• •		•			*	ort and that he h	as knowledge of
		Witness (i	f any)						For	Company	
		For Corner	ission						Che	cked by	

	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
correct of equip I he	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Rueb Farm 11-15B.  I 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
staff as	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.
	Signature: Regulatory)Analyst

## 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.