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

Type Test	t:				(	See Instructi	ions on Rev	erse Side	)					
	en Flo				Test Date	<b>.</b> .			ΔĐI	No. 15				
De	liverab	ilty			rest bate	••				023-20761-0	0-00			
Company Noble Energy Inc					Lease Rueb Farm					11-16	Well Number			
County Location Cheyenne NWNW			Section 16		TWP 3S			RNG (E/W) 42W		Acres Attributed				
					Reservoir Niobrara				hering Conne Morgan	ction		·		
Completion Date 7/27/2007				Plug Bac 1672'	Plug Back Total Depth 1672'			Packer S	et at					
Casing Size Weight 7", 4-1/2" 17#, 9.5#			Internal ( 9-7/8",		Set at 300', 1723'		Perforations 1544'		To 1580'		····			
Tubing Size Weight				Internal (			Set at		Perforations					
2-3/8"		/5	4.7#		1.995									
Single (	Type Completion (Describe) Single (gas)				* .	Type Fluid Production Saltwater			Yes	nit or Traveling	Plunger? Yes	/ No		
Producing Tubing	g Thru	(Anr	rulus / Tubin	g)	% (	% Carbon Dioxide			% Nitrog	en	Gas Gra	Gas Gravity - G <sub>g</sub>		
Vertical C	Depth(H	1)		<del></del>		Press	sure Taps	<del></del> .	<del></del>		(Meter F	lun) (P	rover) Size	
			2/2	3	11 1	1.45					<del></del> -			
Pressure		•	ni tun <i>o</i>	2	0 11 at 2 0 11 at 2		(PM)				at			
Well on L	.ine:		Started ZIZ	2	0 <u> </u>		(AM) (PM)	Taken		20	at	(	(AM) (PM)	
<del>,</del>					· · · · · · · · · · · · · · · · · · ·	OBSERVE	D SURFAC	E DATA			Duration of Shut-	n_27	Hours	
Static / Oynamic	Orifi Siz		Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Cas Wellhead	Pressure	Wellhe	Tubing ad Pressure	Duration		d Produced	
Property	(inch	es)	Prover Pressi psig (Pm)	Inches H <sub>2</sub> 0	t	t	(P <sub>a</sub> ) or (P osig	',) or (P <sub>e</sub> ) psia	(P <sub>a</sub> ) o	r (P <sub>1</sub> ) or (P <sub>2</sub> ) psia	(Hours)	(	Barrels)	
Shut-In							120							
Flow														
	<del></del> -			<u> </u>	1	FLOW STR	EAM ATTR	IBUTES					<del></del> _	
Plate Coeffiec (F <sub>p</sub> ) (F	ient ,)	Pro	Circle one: Meter or ever Pressure psia	Press Extension	Gra Fac F	tor	Flowing femperature Factor	F.	viation actor F <sub>pv</sub>	Metered Flow R (McId)	y GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G	
(D \2 _		•	/D \? -	_	•	OW) (DELIV		-				<sup>2</sup> = 0.2	207	
(P <sub>e</sub> )² =		<u>-</u> :	(P <sub>a</sub> ) <sup>2</sup> =	Choose formula 1 or 2				P <sub>c</sub> - 14.4) -			(P <sub>d</sub> )	² <u>-</u> _		
$(P_c)^2 - (P_A)^2$ or $(P_o)^2 \cdot (P_d)^2$		(P <sub>e</sub> ) <sup>2</sup> · (P <sub>m</sub> ) <sup>2</sup>		<ol> <li>P<sub>e</sub><sup>2</sup> · P<sub>e</sub><sup>2</sup></li> <li>P<sub>e</sub><sup>2</sup> · P<sub>e</sub><sup>2</sup></li> <li>dWided by: P<sub>e</sub><sup>2</sup> · P<sub>e</sub></li> </ol>	and divide		Slo	lone = "n"		LOG	Antilog	De	pen Flow liverability s R x Antilog (Mcfd)	
				<del></del>			<u> </u>	<u></u>						
Open Flow Mcid @ 14.6				.65 psia	5 psia Deliverability			Mcfd @ 14.65 psia						
											ort and that he ha			
the facts s	stated (	here	in, and that s	aid report is tru	e and corre	t. Executed	this the 2	7	day of	December	1 2	· ·	20 11.	
<del></del>	<del></del>	<u> </u>	Witness	fil anyl	R	<b>ECEIVE</b>	D	(1	ey	X / L	Lusa		<del></del>	
						N 1.7.2	012				Company	<b></b>		
			For Com-	nission		-				Che	cked by			

**KCC WICHITA** 

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and the correct of equi	at 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 pment installation and/or upon type of completion or upon use being made of the gas well herein named. Breeby request a one-year exemption from open flow testing for the Rueb Farm 11-16
gas we	on the grounds that said well:
	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 mct/D
	orther agree to supply to the best of my ability any and all supporting documents deemed by Commissions necessary to corroborate this claim for exemption from testing.
Date: _	12/27/2011
	Signature: <u>Ley Johnson</u> 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.

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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.