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

Type Test:				(:	See Instructi	ions on Rev	erse Side	9)					
= :	n Flow verabilty			Test Date	:				No. 15				
Company Noble Ene						Lease Rueb Fa		15-0	23-20750-00		/ell Num	ber	
County	argy inc	Locatio	)ri	Section	<del>-</del> ·	TWP		RNG (E/V	 V)		cres Att	ributed	
Cheyenne	<del></del>	NE-NW		15		38		42W					
Field Cherry Cr				Reservoir Niobrara	) 	······································		Gas Gath Kinder N	ering Connec Norgan	ction			
Completion 1/21/2008				Plug Back 1697'	Total Dept	h		Packer Se	et al				
Casing Size 7", 4-1/2"	0	Weight 17#, 1		Internal D 9-7/8",		Set a 320'.	t 1740'	Perfor		то 1570'	*********		
Tubing Size	е	Weight 4.7#		Internal D		Set a 1602	t	Perfor		То	· · · ·	<del></del>	
Type Comp Single (g					d Production		·	Pump Uni Yes	t or Traveling	Plunger? Yes	/ No	<del></del>	
		nulus / Tubing	)		arbon Dioxi	de		% Nitroge	ın	Gas Gra	vity - G		
Tubing			·								, -9		
Vertical De	pth(H)				Pres	sure Taps	•			(Meter F	lun) (Pro	ver) Size	
Pressure B	Buildup:	Shut in	20	11 at 1	2:00	(AM) (PM)	Taken		20 .	at	(A	M) (PM)	
Well on Lin	ne:	Started 2/18	20	11 at 1:	40	(AM) (PM)	Taken		20	at	(A	M) (PM)	
	<del></del>		<del></del> .	<del></del>	OBSERVE	D SURFACE	DATA			Duration of Shut-i	<sub>n</sub> 25.5	Hours	
Static / Dynamic	Orifice Size	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Casi Wellhead	•		tbing Id Pressure	Duration	Liquid	uid Produced (Barrels)	
	(inches)	Prover Pressur psig (Pm)	in Inches H <sub>2</sub> 0	t t	t temperature	(P_) or (P	) or (P <sub>e</sub> )	(P <sub>w</sub> ) or osig	(P, ) or (P <sub>e</sub> )	(Haurs)	(Ва		
Shut-In						144					:		
Flow		<u> </u>											
	<del></del>	1		<del></del>	FLOW STR	EAM ATTR	BUTES	-·· i		<del></del>	· · · · · · · · · · · · · · · · · · ·		
Plate Coefficcie (F <sub>b</sub> ) (F <sub>p</sub> ) Mctd		Circle one: Meter or rover Pressure psia	Press Extension	Grav Fact	tor	Flowing Femperature Factor F <sub>1</sub> ,	F	viation actor F <sub>ev</sub>	Metered Flow R (Mcfd)	GOA (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>	
						· · · · · · · · · · · · · · · · · · ·							
(P <sub>e</sub> ) <sup>2</sup> =	:	(P <sub>*</sub> )² =	:	(OPEN FL		ERABILITY % (F	•	LATIONS + 14.4 =	:	(P <sub>a</sub> ) (P <sub>a</sub> )	² = 0.20 ² =	7	
(P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub> or (P <sub>a</sub> ) <sup>2</sup> - (P <sub>a</sub>		(P <sub>e</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>a</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	LOG of formula 1, or 2.		Backpre Slop	ssure Curv be = "n" or	/e	.06	Antilog	Ope Deliv	en Flow erability R × Antilog	
(F <sub>6</sub> ) - (F <sub>6</sub>	ه،		sivided by: $P_e^2 - P_n^2$	and divide	P. 2 - P. 2		signed ard Slope					Actd)	
Open Flow	<u>,                                      </u>		Mcfd <b>②</b> 14.6	65 psia		Deliverab	ility			Mcfd <b>@</b> 14.65 ps	a		
The ur	ndersign	ed authority, or	behalf of the	Company, s	states that h	ie is duly ai	uthorized			rt and that he ha	s knowl	edge of	
the facts sta	ated ther	ein, and that sa	id report is true	and corred	RECEN	Libis the 2	7	_ day of _D	ecember	7	, 2	o <u>11                                   </u>	
	<del></del>	Witness (il			<del>AN 1</del> 7	_	<u>C</u>	Keny	S Sol	Tubo	<u>~</u>		
		For Comm	ission	KC	C WIC	HITA	<del></del>	· <del>'</del>	Chec	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 to of equip	the foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease record 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 21-15 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  ther agree to supply to the best of my ability any and all supporting documents deemed by Commis
	necessary to corroborate this claim for exemption from testing.
	Signature: Cleuf Johnson  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.