KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:	i				(See Instruc	tions on Rev	erse Side	9)					
= :	en Flow				Test Date):				No. 15				
	iverabilt	y 							15-0	023-21332-0				
Company Noble Er		nC					Lease Rueb Fa	ırm			24-16	Well Number B		
County Location			Section		TWP			W)		Acres Attributed				
Cheyenne NE-SE-SW Field			16 Reservoir	······································	3 S		42W Gas Gathering Conr		etion	———RECEI				
Armel			= :	Niobrara			Kinder	•	otion .	חבר י				
Completion Date 9/1/2011			Plug Bac 1679	Plug Back Total Depth			Packer Set at			PEC 2 0 2 WICH				
Casing Size Weight			Internal (Diameter	Set at			rations	То	To KCC WIC				
7", 4-1/2"		17#, 10.5#			9-7/8", 6-1/4"		317',1719		1530'			~ • •	<u> </u>	
Fubing Size Weight			Internal [Diameter	Set al	t	Perforations		То	То				
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes			s / No			
roducing	Thru (Annulus / Tub	ing)		% C	arbon Diox	ide		% Nitrog	en	Gas G	ravity - G		
nnulus							Tana				(Mater	Bun\ (Brouge) C		
ertical D	eptn(H)					Pres	sure Taps				(meter	Run) (Prover) S	ыze	
ressure	Buildup:	Shut in	0/10	2	0_12_at_1	:45	(AM) (PM)	Taken		20	at	(AM) (PI	—— M)	
Well on Line: Started 1			0/11 20		40 0.40			AM) ((PM) Taken						
							V/(
		1				OBSERVE	D SURFACE				Duration of Shut	-in24.25+	lours	
Static / ynamic		Orifice Circle one		Pressure Differential	~	Well Head Temperature	Casi Wellhead F	Pressure	1	ubing ad Pressure	Duration	Liquid Produc	ed	
roperty	(inches) Prover Pres		- 1	in Inches H₂0	t	1	(P _w) or (P _t) or (P _c)		(P_w) or (P_t) or (P_c)		(Hours)	(Barrels)		
Shut-In			i	-			164	pola	poig	1 1000	 			
Flow														
	•••••		1			FLOW ST	LEAM ATTRI	BUTES]	1				
Plate		Circle one:	T	Press	Grav		Flowing		riation	Metered Flow	GOR	Flowi	ing	
Coeffieci		Meter or Prover Pressure psia		Extension	Fac	tor	Temperature Factor		actor R F _{pv} (Mcfd)		(Cubic Fe	et/ Flui	Fluid Gravity	
Mcfd				√ P _m xh	F	•					Barrel) G _m		
	ŀ													
					(OPEN FL	OW) (DELIV	/ERABILITY)	CALCUL	ATIONS		(P.))2 = 0.207		
P _c) ² =	<u>-</u>	: (P _w)					% (P	_c - 14.4) +	14.4 =	: ;)2 =	1	
$(P_c)^2 \cdot (P_{\mathbf{a}})^2$		Choose formula 1 or $(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$			LOG of		Backpressure Curve Slope = "n"				Open Flow Deliverability			
or $(P_c)^2 \cdot (P_d)^2$				2, P _c ² -P _d ² 1. or 2. and divide		1 1 1		or		-OG	Antilog	Equals R x An	Equals R x Antilog	
			divid	led by: $P_c^2 \cdot P_w^2$	² by:	<u></u>	Standa	ard Slope				(Mcfd)		
			-											
pen Flo	<u> </u>			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	sia		
The i	undersig	ned authority,	on b	ehalf of the	Company,	states that I	ne is duly au	thorized t	o make th	ie above repo	rt and that he ha	as knowledge c	of	
e facts s	tated the	erein, and that	t said	report is true	and correct	t. Executed	this the _17	, 	day of _D	ecember		, ₂₀ 12		
				. "										
								·········						
		Witnes	ss (il any	y)						For C	ompany			

exempt status und and that the foreg correct to the best of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Including pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Rueb Farm 24-16B
gas well on the gr	ounds that said well:
(Check	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
_	e to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/17/2012	
	Signature: Title: Regulatory Arialyst

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.