Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:					(See Instruc	tions on Re	verse Side	;)					
= :	en Flow iverabil				Test Date):				No. 15)23-20751-(00-00			
Company Noble En		nc					Lease Rueb F	arm			23-	Well Nu 15	mber	
County Location Cheyenne NE-SW				Section 15				RNG (E/W) 42W			Acres Attributed			
Field Cherry Creek				Reservoir Niobrara		,		Gas Gath Kinder I	nering Conn Morgan	ection				
Completio 10/8/200	n Date)			Plug Bac	k Total Dep	th		Packer S					
Casing Siz 7", 4-1/2"	ze		Weight 17#, 9		Internal E 9-7/8",					Perforations 1484'		то 1539'		
Tubing Siz			Weight		Internal D 1.995					Perforations		То		
Type Com Single (g	•	(Des		,		d Productio	n		Pump Un Yes	it or Traveling	Plunger? (Y	S No		
Producing	<u> </u>	(Annı	ulus / Tubing)		arbon Diox	ide		% Nitroge	en r	Ump Gas	Gravity - 0	3 ₀	
Tubing Vertical De	epth(H))			···	Pres	sure Taps				(Met	er Run) (P	rover) Size	
			hut in	23 -	. 13 . 1:	:00								
			tarted 10/2		13 1:00			$\widetilde{}$		20 20				
												2/	Hours	
Static / Dynamic			Circle one: Meter Prover Pressu	Pressure Differential	Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration of St Duration (Hours)	, ,		
Property Shut-In			psig (Pm)	Inches H ₂ 0	t	t 	psig 120	psia	psig	psia				
Flow		_					120	 .						
l.				, , , , , , , , , , , , , , , , , , ,		FLOW STE	REAM ATTE	IBUTES	1	· · · · · · · · · · · · · · · · · · ·				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	or Temperature		F:	viation actor F _{pv}	Metered Flo R (Mcfd)	(Cubic	GOR (Cubic Feet/ Barrel)		
(D.)3			(5.12		•		/ERABILITY	•				$(P_{\bullet})^2 = 0.2$		
(P _c)² - (P	$\frac{ P_c ^2}{(P_c)^2 - (P_c)^2}$ or $(P_c)^2 - (P_d)^2$)² - (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	1. P _c ² -P _e ² LOG of formula 2. P _c ² -P _d ² 1. or 2. and divide		Backpre Slo	Backpressure Curve Slope = "n" or Assigned Standard Slope		.og [Antilog	Del Equals	pen Flow liverability s R x Antilog (Mcfd)	
Open Flov	~L			Mcfd @ 14.	65 psia		Deliveral	oility	<u> </u>		Mcfd @ 14.65	psia		
		-	•	behalf of the			•			-	ort and that he	has know	rledge of	
he facts st	tated th	ereir	i, and that sa	id report is tru	e and correc	t. Executed	this the 2	7	day of D	ecember			20 <u>13</u> WIC:-11	
			Witness (if	any)						For	Company		3 1 2013	
			For Commi	ission			•			Che	ecked by		CEIVED	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request or notice that I am authorized to request or the Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	egoing pressure information and statements contained on this application form are true and statements of my knowledge and belief based upon available production summaries and lease records
	tallation and/or upon type of completion or upon use being made of the gas well herein named.
• •	uest a one-year exemption from open flow testing for the Rueb Farm 23-15
	grounds that said well:
gao non on are t	, ounds that bald from
(Chec	ck 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
J	ee to supply to the best of my ability any and all supporting documents deemed by Commission
statt as necessa	ary to corroborate this claim for exemption from testing.
	· ·
Date: 12/27/201	13
	Signature: Chery John
	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.