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

Type Test:						(See Inst	ructions on He	verse Side	<i>)</i>				
	en Flov				Test Dat	e:				No. 15			
Company	iverabi	<u>.</u>	·				Lease		15-	023-20760-0		Well Number	
Noble En		Inc					Rueb Fa	arm			44-15		
County Location Cheyenne SE-SE			Section 15		TWP 3S			W)		Acres Attributed			
Field				Reservo	ir			42W Gas Gathering Conn		ection	RECEIVE		
Cherry Creek				Niobra	-				Morgan		DEC 05-2		
completio /18/200		9			Plug Ba 1635'	ck Total [	Depth		Packer S	Set at		DEC 05 2 KCC WICH	
asing Size Weight				Diameter		Set at		rations	To	KCC MICH			
", 4-1/2" 17#, 10.5#					6-1/4"		301, 1703' Set at		2'	1536' To			
ubing Size Weight -3/8" 4.7#			1.995	Diameter	Set	et at Perforations		rations	10				
Type Completion (Describe)					Type Fluid Production				Pump Unit or Traveling Plunger? Yes / No				
Single (gas) Producing Thru (Annulus / Tubing)					Saltwater % Carbon Dioxide				Yes % Nitrogen		avity - G		
ubing	, 11110	t, an	igido F tabili	9/	,,,	% Carbon bioxide				through an analysis			
ertical D	epth(H	)				F	ressure Taps				(Meter I	Run) (Prover) Size	
ressure	Buildur	p: :	Shut in1/3	10	12 at	1:00	(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on Line: Started 1/31 20			20 12 at 2	2:00	(AM) (PM)	Taken	ven2		at (AM) (PM)				
						OBSE	DVED CUDEAC	E DATA			Duration of Chut	in 25 Hours	
	5		Circle one: Pressure		Fluir			Casing		Tubing	Duration of Shut-	-innours	
Static / Orific ynamic Size roperty (inche		Э	Meter Prover Press	Differential ure in	Flowing Temperature	e Tempera	rature Wellhead Pressure		Wellhead Pressure (P <sub>m</sub> ) or (P <sub>1</sub> ) or (P <sub>C</sub> )		Duration (Hours)	Liquid Produced (Barrels)	
		es)	psig (Pm)		l t	t t	psig	psia	psig	psia			
Shut-In							94						
Flow													
						FLOW	STREAM ATTR	RIBUTES					
Plate			Circle one: Meter or	Press	1	avity	Flowing Temperature	1	viation Metered Flov			Flowing Fluid	
1. P. 1. P.		Pro	over Pressure	1	Extension Fac		Factor	Factor F		R (Mcfd)	(Cubic Fe Barrel)	Gravity	
Mcfd			psia	m		u .	F,,		ри			G <sub>m</sub>	
									<u> </u>				
					•		ELIVERABILITY	-				$0^2 = 0.207$	
$P_c)^2 = _{}$	·····	<u>-:</u>	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or	P <sub>d</sub> :	=		P <sub>c</sub> - 14.4) +		: 1	(P <sub>d</sub> )	) <sup>2</sup> =	
$(P_c)^2 - (P_a)^2$		(F	$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$			LOG of formula		Backpressure Curve Slope = "n"		LOG	Antilog	Open Flow Deliverability	
or (P <sub>c</sub> ) <sup>2</sup> - (P <sub>d</sub> ) <sup>2</sup>				2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2. and divid		2 As	ssigned dard Slope	-	Advances of the same of the sa	Analog	Equals R x Antilog (Mcfd)	
				divided by: Pc2 - P	2 by:	<u> </u>	Stant	saru Siope					
open Flo	w			Mcfd @ 14	1.65 psia		Deliveral	bility	i		Mcfd @ 14.65 ps	ia.	
Thei	undersi	iane	d authority (	on behalf of the	e Company.	states th	nat he is dulv a	uthorized t	to make t	he above repo	ort and that he ha	as knowledge of	
		-	-				•						
- 100to 0			, wired titlet b	roport is the					·-·, -· —				
			Witness	(if any)	· · · · · · · · · · · · · · · · · · ·					For (	Company		

exempt statu and that the correct to the of equipment	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc foregoing pressure information and statements contained on this application form are true and e best of my knowledge and belief based upon available production summaries and lease records it installation and/or upon type of completion or upon use being made of the gas well herein named. request a one-year exemption from open flow testing for the Rueb Farm 44-15
	the grounds that said well:
(0	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
	agree to supply to the best of my ability any and all supporting documents deemed by Commission essary to corroborate this claim for exemption from testing.
Date:11/30,	/2012
	Signature:  Title: 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.