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

Type Test	:					(	See Instr	ucti	ons on Re	verse Side	e)							
Open Flow Deliverabilty						Test Date:				APi No. 15 15-023-21291-00-00								
Company Noble Energy Inc									Lease Duell Ti	rusts					Well Number 34-33			
County Location Cheyenne NW-NW-S\								TWP RNG (E/W) 5S 39W					Acres Attributed RECEIVED DEC 2 0 2012 KCC WICHITA					
Field Cherry Creek					Reservoir Niobrara					Gas Gathering Connection Kinder Morgan					ח	EC 2 o		
Completic 4/19/201		е				Plug Bac 1487'	Plug Back Total Depth 1487'					Set at		KCO -				
Casing Si 7", 4 1/2			Weig 17#,		.6#	Internal Diameter 9 7/8", 6 1/4"			Set at 399', 1527'		Perfe	orations 26'		To 1352'				
Tubing Si 2 3/8"			Weight 4.7#			Internal Diameter 1.995			Set at 1387'		Perforations			То		<del></del>		
Type Con Single (	n (De				Type Flui	Type Fluid Production Saltwater					Pump Unit or Traveling Plunger? Yes			Yes / No				
Producing Thru (Annulus / Tubi				ng) % Carbon Dioxi					de % Nite			trogen Gas C			Gravity - G <sub>g</sub>			
Tubing Vertical D	epth(F	<del>1</del> )					Pr	ess	ure Taps					(Meter I	Run) (P	rover) Size		
Pressure	Buildu	•	5nut in	/15	2	0_12 at_1			(AM) (PM)	Taken		20	at_		(	(AM) (PM)		
Well on Line: Started 10/16 20					2 <u>12</u> at <u>1</u>	12 at 1:15 (A			Taken		20 at			(AM) (PM)				
							OBSER	VEC	SURFAC	E DATA			Duration	of Shut-	<sub>in_</sub> 26	Hours		
Static / Dynamic Property	ic Siz		e Prover Press		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	emperature Temperature		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Welihead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		l	Duration (Hours)		Liquid Produced (Barrels)		
Shut-In									52	pole	parg	pole						
Flow																		
		<b></b>		_		J	FLOW S	TRE	EAM ATTR	IBUTES		T				1		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> xh		Fac	Gravity Factor F <sub>g</sub>		Temperature Fa		viation Metered Flow Inctor R (Mcfd)		~	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>		
P <sub>c</sub> )2 =		_ :	(P <sub>w</sub> ) <sup>2</sup> :	=	:	(OPEN FLO	, -	.IVE %		) CALCUL ] - 14.4) +		:		(P <sub>a</sub> ) <sup>(</sup>	2 = 0.2 2 =	07		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_g)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		LOG of formula 1. or 2. and divide	P <sub>2</sub> -P <sub>2</sub>		Backpressure Curve Slope = "n" or  Assigned Standard Slope		) n x	LOG [	Ant	Antilog		Open Flow Defiverability Equals R x Antilog (Mcfd)		
							···· ·											
Open Flow Mcfd @ 14.65 p						65 psia	psia			Deliverability		Mcfd @ 14.6				55 psia		
		-	•		ehalf of the report is true				•			he above repo December	ort and th	at he ha		rledge of 20 <u>12</u> .		
			Witness	(if any	y)			•	-		<u></u>	For	Company					
			For Com	nissic	חכ				_			Che	cked by			<del></del>		
													•					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Duell Trusts 34-33 gas well 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  I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
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.