## 3 mg.

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

Type Test	: en Flo		•	-		(	See Ins	tructi	ons on Re	verse Side	;)						
Deliverabilty					Test Date:					API No. 15 15-023-21003-00-00							
Company Noble Fr		Inc					A		Lease Feikert	<u>".</u>			1	21-1	Well N	umber	
Noble Energy Inc  County Location Cheyenne SW-NE-NW				<b>w</b> .	Section 1				TWP 4S		RNG (E/W) 42W			Acres Attributed			
Field Cherry Creek				Reservoir Niobrara					Gas Gathering Connection South Star/Kinder Morga								
Completion Date 6/16/2008				Plug Bac 1615'	k Total	Deptl	n		Packer Set at								
Casing Size Weight 7", 4 1/2" 17#, 11.6#				Internal Diameter 9 7/8", 6 1/4"			Set a 265'	at ', 1649'	Perforations 1472'			To 1508'	то 1508'				
Tubing Size Weight 2 3/8" 4.7#				Internal Diameter 1.995			Set a		Perforations			То					
Type Completion (Describe) Single (gas)				Type Flui Saltwa		ıction			Pump Unit or Traveling Plunger? Ye ves				s / No				
Producing Thru (Annulus / Tubing)					arbon (	Dioxic	de	% Nitrogen				Gas Gravity - G <sub>g</sub>					
Tubing Vertical D	epth(H	1)	-					Press	sure Taps		<u> </u>			(Meter	Run) (F	Prover) Size	
Pressure	Buildu	p: :	Shut in	28	20	11 at 9	:20	(	(AM) (PM)	Taken			20	at		(AM) (PM)	
				11 at 1			$\stackrel{\smile}{=}$	(PM) Taken					* *				
							OBSE	RVE	D SURFAC	E DATA				Duration of Shut	t-in_26	6.5 Hours	
Static / Dynamic Property	Orifice Size (inches)		Meter ( Prover Pressure		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Temperature Temper		rature Wellhead Pr		Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia				uid Produced (Barrels)		
Shut-In					-				156	polu	poig		poid				
Flow																	
	<del>- 1</del>		Circle one:	Т-		Т	FLOW	STR	EAM ATTR	IBUTES				-			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia			Press Gra Extension Fac Pmxh F		tor Te		Flowing emperature Factor F <sub>11</sub>	perature Fac		iation Metered Flow ctor R (Mcfd)		GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
						(ODEN EL	OW() /D		EDADILITY	CALCU	ATIONS	<u> </u>					
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> )2 :		<u> </u>	P <sub>d</sub> =		<u></u> %	ERABILITY	) CALCUL 2 <sub>c</sub> - 14.4) +			:		$a^{2} = 0.3$ $a^{2} = 0.3$	207	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2:  1. P <sub>c</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>		LOG of formula 1. or 2. and divide by:		S		essure Curve pe = "n" - or signed lard Slope	n x	LOG		Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			·				,							·· · · · · · · · · · · · · · · · · · ·	-		
Open Flor	l				Mcfd @ 14.0				Deliverab	oility				Mcfd @ 14.65 ps	sia		
<del></del>		igned	d authority, o	on b		<u> </u>	states th	nat he	e is duly au	uthorized t	to make t	he ab	ove repor	rt and that he h	as knov	wledge of	
					report is true		:				_	Noven		-//	1	RECEIVED	
			Witness	(if any	y)				-	Ch	eyf		For C	Kusos ompany	<u> </u>	EC 0 2 201	
<del></del>			For Com	missio	on	<u> </u>			-		<u> </u>	V	Chec	ked by	<u></u>		
															KC	C WICHIT	

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
correct to the bes of equipment inst	going pressure information and statements contained on this application form are true and t 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.
	est a one-year exemption from open flow testing for the Feikert 21-1 rounds 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 y to corroborate this claim for exemption from testing.
Date: <u>11/11/201</u>	<u>,                                     </u>
	Signature: Clay 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.

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.

DEC 02 2011