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

Type Test	t:					. (	See Inst	ruct	ions on Re	verse Side	e)						
Op	en Flov	٠.															
De	liverabi	lty				Test Date	9:					No. 15   <b>023-21004-</b> (	00-00				
Company Noble Energy Inc				**************************************	Lease Feikert					<del>* * * * *</del>	Well Number 22-1						
County Location Cheyenne NW-SE-NW				ıw	Section 1					RNG (E	/W)		Acres Attributed				
Field Cherry Creek					Reservoir Niobrara						thering Conn Star/Kinder I						
Completion Date 6/16/2008					Plug Bac 1598'	k Total D	ept	h		Packer Set at							
Casing Size 7", 4 1/2"			Weig <b>17</b> #,		Internal Diameter 9 7/8", 6 1/4"			Set at <b>273', 1639</b> '		Perfo 145	rations <b>7'</b>		To 1494'				
Tubing Si 2 3/8"	ize		Weight 4.7#			Internal Diameter 1.995			Set at <b>1514'</b>		Perfo	orations		То			
Type Completion (Describe) Single (gas)				Type Flui Saltwa		ction	1		Pump U yes				Yes / No				
	Thru	(Anr	nulus / Tubi	ng)		% Carbon Dioxide					% Nitrogen			Gas Gravity - G <sub>g</sub>			
Tubing  Vertical D	epth(H	)			-		P	ress	sure Taps		· · · · · · · · · · · · · · · · · · ·			(Meter F	lun) (Pr	over) Size	
Pressure	Buildur	): :	Shut in3/	1	2	0_11_at_1	2:00		(AM) (PM)	Taken		20	at _		(	AM) (PM)	
Well on Line:			Started 3/2				11 at 2:15		(AM) PM					at (AM) (F			
							OBSEF	RVE	D SURFAC	E DATA			Duration	of Shut-i	26.:	25 Hours	
Static / Orifice Dynamic Size Property (inches)		9	Circle one:  Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$ psig psia		Tubing  Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In									184	poid	poig	pola					
Flow																1	
							FLOW S	STR	EAM ATTR	IBUTES	<u> </u>						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Ţ	Flowing Temperature Factor F <sub>11</sub>		reviation Metered Flow Factor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fee Barrel)		et/	Flowing Fluid Gravity G <sub>m</sub>	
				<u> </u>					ERABILITY						= 0.20	 D7	
$(P_c)^2 =$ : $(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$			: (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		; ose formula 1 or 2: 1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup>	P <sub>d</sub> =	<del></del>	<u>_</u> °	Backpressure Curve				(P <sub>d</sub> )		Open Flow Deliverability		
		- "		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>		1. or 2. and divide	and divide   p2 p3		or		n x LOG		Antilog		Equals R x Antilog (Mcfd)		
					- "												
Open Flor	w		· .		Mcfd @ 14.	65 psia			Deliverab	oility			Mcfd @ 1	14.65 psi:	a		
						······				<u> </u>		****	***				
		-	-		ehalf of the report is true				-			lovember	ort and the	at he has			
,								_	<u>(</u>	<u>Che</u>	ryf	//0	Lu	son		CEIVED	
			Witness				·		_		0	<i>U</i>	Company		DEC	0 2 2011	
			For Com	missio	on							Che	cked by	K	CC	WICHITA	

I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	ler Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that the foreg	joing 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 insta	allation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby reque	est a one-year exemption from open flow testing for the Feikert 22-1
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
<b>✓</b>	is not capable of producing at a daily rate in excess of 250 mcf/D
I further agree	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.
stati as riecessar	to corroborate this claim for exemption from testing.
Date: 11/11/2011	<del></del>
	Signature: Cheuf 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 we represent the subject were signed and dated on the front side as though it was a verified report of annual test results.

DEC 02 2011