RECEIVED

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

Type Test:				6	See Instruci	tions on Re	verse Side	e)				
Open Flow Deliverabilty			Test Date	<b>:</b> :	•	API No. 15 15-023-21280-00-0			00-00			
Company Noble Energy Inc				Lease Rogers					Well Number 34-31			
County Locatio Cheyenne NE-NE-I					TWP 5S		RNG (E/W) 39W		Acres Attributed			
Field Prairie Star			Reservoir Niobrara				Gas Gathering Connection Kinder Morgan		ection			
Completion Date 5/16/11			Plug Bac 1530'	k Total Dep	th	•	Packer S	Set at				
		Weight 17#, 10	).5#	Internal Diameter 9-7/8", 6-1/4"		Set at 402',1571'		Perforations 1362'		т <sub>о</sub> 1389'		
Tubing Size Weight			Internal Diameter		Set at		Perforations		То			
Type Comple Single (ga		Describe)		Type Flui- Saltwa	d Production	n		Pump U	nit or Traveling	Plunger? Yes	/ No	
		nnulus / Tubing)		% C	arbon Dioxi	ide		% Nitrog	jen	Gas G	avity - (	à,
Vertical Depth(H)			Pre				sure Taps		<del></del>	(Meter Run) (Prover) Size		
Pressure Bu	uildup:	Shut in	8 20	13 at 1	0:00	(AM) (PM)	Taken		20	at	(	AM) (PM)
Well on Line:		Started 11/19	920	20 <u>13</u> at <u>10:00</u>			AM) (PM) Taken		20	0 at (AM) (PM)		
					OBSERVE	D SURFAC	E DATA	,		Duration of Shut	in 24	Hours
Static / Orifice Dynamic Size Property (inches)		Circle one:  Meter  Prover Pressure  psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Temperature Temperature		I Wollhood Processo		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration Liqu (Hours)		d Produced Barrels)
Shut-In						63	pola	pag	pole			,
Flow												
				<del>.,</del>	FLOW STE	REAM ATTR	IBUTES					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or rover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F		Tomporaturo		eviation Metered Flor Factor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>
				(OPEN FL	OW) (DELIV	/ERABILITY	) CALCUI	LATIONS		(P.)	) <sup>2</sup> = 0.2	07
(P <sub>c</sub> ) <sup>2</sup> =	<u> </u>		<del>:</del>	P <sub>d</sub> =		% (	P <sub>c</sub> - 14.4) -	+ 14.4 = _	<del>:</del>		) <sup>2</sup> =	
$(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	$(P_{w})^{2} - (P_{w})^{2}$		LOG of formula 1. or 2. and divide by:  LOG of p 2 p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		rog	Antilog		pen Flow iverability R x Antilog (Mcfd)
						-						
Open Flow		<u> </u>	Mcfd @ 14.6	65 psia		Deliveral	oility	ļ		Mcfd @ 14.65 ps	ia.	
The und	dersign	ed authority, on	behalf of the	Company,	states that h	ne is duly a	uthorized	to make t	he above repo	ort and that he h	as know	ledge of
the facts stat	ted there	ein, and that said	d report is true	and correc	t. Executed	this the $\frac{2}{}$	6	day of _	December		<del></del> ,	20 13 .
		Witness (if a	uny)						For	Company KC	CV	/ICHIT/
		For Commiss	sion	- Im v		,	t1.		Che	cked by DE	EC 3	1 2013

exempt status ur and that the fore correct to the be of equipment ins	der penalty of perjury under the laws of the state of Kansas that I am authorized to request ider Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.  Regoing pressure information and statements contained on this application form are true and set of my knowledge and belief based upon available production summaries and lease records stallation and/or upon type of completion or upon use being made of the gas well herein named. Usest a one-year exemption from open flow testing for the Rogers 34-31
	prounds that said well:
(Chec	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
_	ee to supply to the best of my ability any and all supporting documents deemed by Commissionry to corroborate this claim for exemption from testing.
Date: 12/26/13	
	Signature: 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.

KCC WICHITA

DEC 3 1 2013