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

Open Flo	ow.		·			verse Side	•	N- 46			
Deliverat	bilty		Test Date	<del>)</del> :				No. 15 023-21229-0	0-00		
Company Noble Energy	Inc				Lease Wiese				33-5B	Vell Number	
County Cheyenne	Loca NW-S	Section 5		TWP 4S			RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek	Reservoir Niobrara				Gas Gathering Connection Southern Star/Kinder Morgan						
Completion Day 9/20/2010	Plug Back Total Depth 1459'				Packer Set at						
asing Size Weight ", 4-1/2" 23#, 11.6#			Internal C 9-7/8",			Set at 178', 1502'		Perforations 1295'		то 1356'	
Tubing Size 2-3/8"	bing Size Weight			Diameter	Set a	Set at 1276'		rations	То		
Type Completio Single (gas)		1984	1.995 Type Flui Saltwa	d Productio	วก		Pump Un Yes	it or Traveling	Plunger? Yes	/ No	
	(Annulus / Tubi	ing)	% C	Carbon Diox	ide		% Nitrog	en	Gas Gra	ıvity - G <sub>g</sub>	
Vertical Depth(i	H)			Pres	ssure Taps			<del></del>	(Meter F	lun) (Prover) Size	
Pressure Buildu	up: Shut in 7/	16 2	0_13_at_2	:30	. (AM) (PM)	Taken		20 .	at	(AM) (PM)	
Well on Line:	Started 7/	17 2	0_13_at_3	·00					at		
				OBSERVE	ED SURFAC	E DATA			Duration of Shut-i	n 24.5 Hour	
Static / Orif Dynamic Siz Property (inch	Ze Prover Pres	Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		ubing ad Pressure (P <sub>t</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	psig (Pri	n) Inches H <sub>2</sub> 0			psig 80	psía	psig	psia			
Flow											
	Γ		<u> </u>	FLOW ST	REAM ATTR	IBUTES			1	·············	
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd	Circle one: Meter or Prover Pressure psia	eter or Extension r Pressure		Gravity Factor F <sub>g</sub>		Flowing Dev femperature Fa Factor F		Metered Flow R (Mcfd)	GOR Flowin (Cubic Feet/ Gravity Barrel) G <sub>m</sub>		
(P <sub>c</sub> ) <sup>2</sup> =	: (P)²	·= ;	(OPEN FL		<b>/ERABILITY</b> % (F	) CALCUL <sup>2</sup> c - 14.4) +		;	(P <sub>a</sub> ) <sup>2</sup> (P <sub>d</sub> ) <sup>2</sup>	= 0.207 =	
$(P_c)^2 - (P_a)^2$ 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:		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n"or Assigned Standard Slope		.og [ ]	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Onne Flori		84-IJ @ 4 ·	GE nois		Dollar	.:Ilie			Anid @ 14.55 1		
Open Flow		Mcfd @ 14.			Deliverab				Acfd @ 14.65 psi		
		on behalf of the said report is true			•				t and that he ha	s knowledge of, 20	
<u></u>					<u>-</u>					KCC W	
	yvitnes	s (if any)						For Co	ompany	111	
	_									DEC 30	

	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
xempt statı	us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
nd that the	foregoing pressure information and statements contained on this application form are true and
orrect to th	e best of my knowledge and belief based upon available production summaries and lease records
	nt 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 Wiese 33-5B
as well on t	the grounds that said well:
Ó	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	r agree to supply to the best of my ability any and all supporting documents deemed by Commissio
taff as nec	essary to corroborate this claim for exemption from testing.
Date: 12/12	2/2013
	Signature: <u>Chille</u> mells
	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.

KCC WICHITA

DEC 3 0 2013

**RECEIVED**