KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instru	ctions on Re	verse Side	=)					
= .	en Flow liverabil					Test Date	: :				No. 15 023-20848-0	0-00			
Company Noble Energy Inc				Lease Zimbelman						Well Number 42-31B					
County Cheyenne			Location SE-NE			Section 31		TWP 3S			RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek						Reservoir Niobrara				Gas Gathering Conn Southern Star/Kind					
Completion Date 2/8/2008					Plug Bac 1680'	k Total De _l	pth	Packer Set at		et at					
Casing Size 7, 4-1/2"			Weight 17#, 10.5#			Internal 0 9-7/8",			Set at 326', 1723'		Perforations 1488'		то 1520'		
Tubing Size 2-3/8"			Weight 4.7#			Internal E 1.991)iameter		Set at 1535'		Perforations		То		
Type Completion (De Single (gas)			escribe)			Type Flui Saltwa	d Production	on	Pump Unit or Yes		it or Traveling	veling Plunger? Yes / No			
Producing Thru (And			nutus / Tubing)			% C	arbon Dio	xide	%		en	Gas Gra	Gas Gravity - G		
/ertical D	epth(H))			· · · · · · · · · · · · · · · · · · ·		Pre	ssure Taps			***************************************	(Meter F	łun) (P	Prover) Size	
Pressure	Buildup); {	2/1	3	2	0_13_at_1	1:30	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Line:			Started <u>2/14</u> 2			0 <u>13</u> at <u>1</u>	1:30	_ (PM)	AM (PM) Taken		20		at(
							OBSERV	ED SURFAC	E DATA	,		Duration of Shut-i	_{in} _24	Hours	
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressure		Pressure Differential in	Flowing Well H Temperature Temper		e Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		\dashv	psig (Pm)		nches H ₂ 0			105	psia	psig	psia				
Flow							•								
							FLOW ST	REAM ATTR	RIBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd			Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Fac	Gravity Factor F _g		Flowing Dev Temperature Fi Factor Fi		Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	ət/	Flowing Fluid Gravity G _m	
														,	
P _c)² =		:	(P)² =	=	:	(OPEN FLO	OW) (DELI	VERABILITY	/) CALCUI P _e - 14.4) +		. :	(P _a) ² (P _d) ²	? = 0.2 ? =	207	
(P _c) ² - (P _a) ² or (P _c) ² - (P _d) ²		(P _c) ² - (P _w) ²		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 by:		Backpressure Curv Slope = "n" or- Assigned Standard Slope				Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
											-				
Open Flor					Acid @ 14.			Deliverat				Mcfd @ 14.65 psi	-		
	· ·	_	•					he is duly a $\frac{1}{2}$		to make the day of _De		rt and that he ha		vledge of 20 13	
											···		(C F	WICH:	
			Witness :		_										
			For Com	I NOSION							Unec	ked by		3 0 20	
													R	ECEIVE	

l de	clare 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	t the foregoing pressure information and statements contained on this application form are true and
correct t	to the best of my knowledge and belief based upon available production summaries and lease records
	ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the Zimbelman 42-31B
	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
l fur	ther 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.
Date: <u>1</u>	2/12/2013
	Signature: Kalklu mills
	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.

DEC 3 0 2013

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