RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					6	See Instru	uction	ns on Rev	erse Side	∍)		•				
	en Flo liverab					Test Date	: :					No. 15 023-2054	7-00-	00			
Company Noble Energy, Inc.						Lease Zweygardt				31-0				Well Number			
County Location Cheyenne NWNE				Section 5	Section				RNG (E/W) 41W			Acres Attributed					
Field Cherry Creek					Reservoir				Gas Gathering Connection Southern Star/Kinder Morgan								
Completion Date				Plug Bac 1556'		•	Packer Set at			Morgan							
5/22/2004 Casing Size Weight				Internal Diameter			Set at 270' 1508'		Perforations			To 1446'					
7", 4.5" 17#, 10.5# Tubing Size Weight			D#	9-7/8", 6-1/4" Internal Diameter			270', 1598' Set at		1410' Perforations			1446' To					
2-3/8" 4.7# Type Completion (Describe)				Type Flui	1.995 Type Fluid Production				Pump Unit or Traveling Plunger? (2) / No								
Single (Gas) Producing Thru (Annulus / Tubing)					saltwater % Carbon Dioxide				yes Rod Runo % Nitrogen Gas Gravity - G								
rioducing Tubing	g iiiiu	(Au	idids / Tubiri	91		<i>7</i> 0 C	albon bic	JAIGO	•		70 THITOG	OII		• Cas a	uiny	_ 0	
Vertical Depth(H)						Pressure Taps							(Meter	Run) (F	rover) Size		
Pressure	Buildu	p: -	Shut in 2/5	5	2	13 at 2	:30	(/	AM)((PM))	Taken			20	at		(AM) (PM)	
•				13 at 4	13 at 4:00 (AM) (PM) Take			Taken	20 at _			at	at (AM) (PM)				
							OBSER	VED	SURFACE	DATA			Dı	uration of Shut-	in_25	.5 Hours	
Static / Dynamic Property	Orifice Me		Circle one: Meter Prover Press	Differential in		Flowing Well Head Temperature t t			Casing Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	nut-In		psig (Pm)		Inches H ₂ 0			psig 69		psia	psig psia				+		
Flow																	
							FLOW S	TRE	AM ATTRI	BUTES							
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension P _m xh	Gravity Factor F ₉		Ter	Flowing Temperature Factor F _{II}		viation actor F _{pv}	Metered R (Mcfd		GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				1		(OPEN FL	OW) (DE1	n tr	D & D 1777	CNICH	ATIONS					<u> </u>	
(P _c) ² =		_:	(P _w) ² =	-	:	P _d =		%	•	- (14.4)		:		(P _a)) ² = 0.3	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 _c ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²		LOG of formuta 1, or 2, and divide	P _c ² -P ₂ ²	- I I		e = "n" or signed	l n x	LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mctd)		
Ones Fle					Mcfd @ 14.	SE pois			Deliverab	Hitta		· · · · · · · · · · · · · · · · · · ·		ofd @ 14.65 ps	Na		
Open Flo		ione	d authority o				states tha	t he		-	to make ti	ne above r		and that he ha		wledge of	
		_	in, and that s													20 13	
			Witness					-	_				For Com	ipany P	(CC	WICH	
			For Com	missio				-	_		.,		Checker			3 1 201	
															DEC	. J 1 ZU	

	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt st	tatus 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 to	the best of my knowledge and belief based upon available production summaries and lease records
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	by request a one-year exemption from open flow testing for the Zweygardt 31-05
gas well o	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
ا قرر روا	ner earns to supply to the heat of my shility any and all supporting deguments deemed by Commission
	ner agree to supply to the best of my ability any and all supporting documents deemed by Commission
sian as n	ecessary to corroborate this claim for exemption from testing.
Date: 12	<u>/26/13 </u>
	Signature.
	Signature:
	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.