KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flow				(Test Date	(See Instructi e:	ions on Reve	erse Side	, API	No. 15		
Company	liverabilt	y				· ·	Lease		15-0	023-21001-0		Well Number
Noble Energy, Inc.					Zweygardt				42-1			
County Location Cheyenne E2 NW SE				Section NE 1					RNG (E/W) 42W		Acres Attributed	
Field Cherry Creek				Reservoi Niobrara	-	Gas Gathering Southern Star						
Completion Date 7/10/2008					Plug Bac 1595'	k Total Dept	ħ	Packer Set at		Set at		
			Weigh	nt Internal Diameter 11.6# 9-7/8", 6-1/4"			Set at 211', 1616'		Perforations		то 1432'	·····
Tubing Size			17#, Weigh		Internal Diameter		Set at		1394' Perforations		To	
2-3/8"			4.7#		1.995		1470'			u - T r -	DI - 0 65	1 11
Type Completion (Descr Single (gas)			scribe)		Saltwa	uid Production ater			Pump Unit or Traveling Plunger? (Es / No Yes Rod Pump			
•	Thru (Annı	ulus / Tubing))	% (Carbon Dioxid	de		% Nitrog			avity - G
Tubing Vertical D	epth(H)					Press	sure Taps		•		(Meter I	Run) (Prover) Size
Pressure	Buildup		hut in6/1		0 13 at 1	:15	(AM)(PM)	Taken		20	at	(AM) (PM)
Well on Li	ine:	s	started 6/12	22	₀ 13 _{at} 2	:15	(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Duration of Shut-	
Static / Orifice		Circle one:		Pressure	Flowing	Well Head	Casing		1	Tubing		
Dynamic Property	Size (inches	Prover Pres		1		Temperature	Wellhead Pressure (P _w) or (P _t) or (P _c)		Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		-	psig (Pm)	Inches H ₂ 0			psig 136	psia	psig	psia	,	
Flow		-					130			-		
1104		L				FLOW STR	EAM ATTRI	BUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Mater or Prover Pressure psia		Press Extension ✓ P _m x h	Gra Fac F	vity tor	Flowing Temperature Factor F _{rt}		riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barret)	l Gravity
					•	OW) (DELIV	,					² = 0.207
(P _c) ² =		:	(P _w)² =	: Choose formula 1 or 2	P _d =	·		_c - 14.4) +		: : :T	(P _d)	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c)²- (P _w)²		1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1. or 2, and divide		P2-P2 Assignment		n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor	W			Mcfd @ 14	.65 psia	· · · · · · · · · · · · · · · · · · ·	Deliverabi	lity		l	Mcfd @ 14.65 ps	ia
The u	undersig	ned	authority, or	n behalf of the	Company,	states that h	e is duly au	thorized t	o make th	ne above repo	rt and that he ha	s knowledge of
the facts s	tated the	erein	n, and that sa	aid report is tru	e and correc	ct. Executed	this the _26	<u> </u>	day of D	ecember		, ₂₀ <u>13</u> .
			Witness (i				_				ompany	KCC WICH
							_					
			For Comm	MSS#ON						Chec	ked by	DEC 3 1 201

	sclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.							
	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							
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.							
l he	reby request a one-year exemption from open flow testing for the Zweygardt 42-1							
jas we	I 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 fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissic							
taff as	necessary to corroborate this claim for exemption from testing.							
Jate: 1	2/26/13							
<i>Jaio.</i>								
	Signature:							

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