KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test					(See Instructi	ions on Rev	erse Side	e)					
= :	en Flo liverab				Test Date	: :				No. 15 023-20949-0	00-00			
Company Noble Energy Inc				· · · · · · · · · · · · · · · · · · ·	Lease Zweygardt			2			Well Number 21-6			
County Location Cheyenne NE-NW				Section 6		TWP 4S	TWP		RNG (E/W) 41W		Acres Attributed			
Field					Reservoir			Gas Gathering Connection Southern Star/Kinder Morgan						
Completion Date 2/27/2008					Plug Back Total Depth			Packer S		· <u> </u>				
Casing Size Weight				Internal Diameter			Set at 293', 1693'		Perforations 1492'		To	то 1531'		
7", 4-1/2" Tubing Size			17#, 1 Weight	U.5#	Internal [Internal Diameter		Set at		rations	To			
2-3/8" Type Completion (Descr			4.7#		1.995	1.995 Type Fluid Production		1542'		Pump Unit or Traveling Disease?			Yes / No	
Single (ı (De	schoe)			Saltwater			Yes					
Producing Tubing	Thru	(Anr	rulus / Tubing		% C	arbon Dioxid	de		% Nitrog	en	Gas G	ravity - (3 ₀	
Vertical D	epth(F	I)				Press	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	n.	Shut in 3/7	2	13 _{at} 9	:00	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on L		μ.	Started 3/8	2	13 at 1	4.00					at			
		•		<u></u>		OBSERVE	D SURFACE	DATA			Duration of Shul	-in_26	Hours	
Static / Dynamic	i		Circle one: Meter Prover Pressui	Pressure Differential e in	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
			psig (Pm)	Inches H ₂ 0	<u> </u>	<u> </u>	psig 140	psia	psig	psia		_		
Flow						<u></u>						1		
						FLOW STR	EAM ATTR	BUTES	·······					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Gra- Fac F	tor 1	Flowing emperature Factor F _{re}	rature Factor		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G_	
(P _c) ² =			(P _w) ² =_	:	(OPEN FL.	OW) (DELIV	-) CALCUI - 14.4) +		:) ² = 0.2) ² =	? 07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _d ² wided by: P _c ² -P _d	LOG of formula 1, or 2, and divide	LOG of formula 1. or 2. and divide p2.p2		Backpressure Curvents Slope = "n" or Assigned Standard Slope		roe [Antilog	O De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		-												
Open Flow			Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
The	unders	igne	d authority, on	behalf of the	Company,	states that h	e is duly au	thorized	to make th	ne above repo	ort and that he h	as knov	vledge of	
the facts s	tated t	herei	in, and that sa	id report is tru	e and correc	t. Executed	this the 18	3	day of D	ecember		 ,	20 13 .	
			Witness (if	anyl						Co-f	Company		<u></u>	
				···			_				K	CC	WICHIT	
			For Commi	ssion						Che	cked by			

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exempt status	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Incorporation and statements contained on this application form are true and
correct to the b of equipment in I hereby re	pest of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. Equest a one-year exemption from open flow testing for theZweygardt 21-6 e grounds that said well:
[[[I further a	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 gree to supply to the best of my ability any and all supporting documents deemed by Commissions ary to corroborate this claim for exemption from testing.
Date: <u>12/18/2</u>	013
	Signature: Kuthle milh

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

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