KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

= :	: en Flo liverab				(Test Date		tions on Rev	erse Side	API	No. 15	~~~ <i>00</i>			
Company Noble Energy, Inc.						Lease Zweygardt				15-023-20852_ 00-09 Well Number 32-33				
County Location Cheyenne SWNE				on	Section 33			TWP 3S		W)	Acres Att		ed	
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Southern Star/						
Completic 1/24/200		е	•	. Plug Back 1592'			Total Depth			Packer Set at				
Casing Size 7", 4-1/2"			Weigh 17#, 1		Internal Diameter 9-7/8", 6-1/4"			Set at 242', 1635'		rations 2'	то 1434'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1481'		Perforations		То			
Type Con Single (n (De				pe Fluid Production altwater		Pump Unit or Traveling Plunger? (Ses) / No Yes Rod Pump						
Producing Thru (Annulus / Tubing) % Carbon Dio Tubing					arbon Dioxi				en	Gas Gravity - G _g				
Vertical D	epth(F	ł)				Pres	sure Taps	•			(Meter I	Run) (Prover)	Size	
Pressure	Buildu	•	Shut in	2	0 13 at 8		(PM)	Taken			at	,	•	
Well on L	ine:		Started 11/	2	0 <u>13</u> at <u> </u>	.00	(AM) (PM)	Taken		20	at		°M)	
			Circle one:	1		OBSERVE	D SURFACE				Duration of Shut-	_{in} 24.75	Hours	
Static / Dynamic Property	Orifice Size (inches)		Meter Prover Pressu psig (Pm)	Pressure Differential re in Inches H ₂ 0	Flowing Well Head Temperature t		re (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₀)		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In			Forg (com)	11011001130			psig 80	psia	psig	psia				
Flow	Flow		·											
						FLOW STE	REAM ATTRI	IBUTES				1		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F _{t1}		eviation Metered F Factor R F _{pv} (Mcfd)		w GOR (Cubic Fe Barrel)	et/ Fi	wing uid ivily	
(P _c)² =		:	(P _w) ² =	:	(OPEN FL	. ,	/ERABILITY) % (P) CALCUL ^v 14.4) +		:	(P₄) (P₄)	² = 0.207 ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	P ² -P ² LOG of formula P ² -P ² 1. or 2. and divide		Backpres Slop Ass	Backpressure Curve Slope = "n"or Assigned Standard Slope		.06	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	;													
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 ps	ia		
		_	•	n behalf of the aid report is true	· ·		-			•	ort and that he ha	as knowledge , 20 <u>13</u>		
							_						· · · · · · · · · · · · · · · · · · ·	
			Witness (i	rany)						For	Company	KCC	WICH	
		******************	For Comm	ission			_			Che	cked by	ner	3 1 20	

and that	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. the foregoing pressure information and statements contained on this application form are true and 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. eby request a one-year exemption from open flow testing for the Zweygardt 32-33
gas well	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
	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: 1	2/26/13
Julio	· · · · · · · · · · · · · · · · · · ·
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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 1 2013