RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Ins	tructi	ons on Rev	erse Side	?)						
Open Flow Deliverabilty				Test Date:				API No. 15 15-023-20945-00-00							
Company Noble Energy Inc				Lease Zweygardt				dt	12-3				Well Number		
County Location Cheyenne SW-NW				Section 32			TWP 3S		RNG (E/W) 41W			Acres Attributed			
Field Cherry Creek				Reservoir Niobrara					Gas Gathering Connection Southern Star/Kinder Morgan						
Completion Date 2/13/2008				Plug Back Total Depth 1668'				Packer Set at							
Casing Size Weight 7", 4-1/2" 17#, 10.5#				Internal Diameter 9-7/8", 6-1/4"			Set at 299',1710'		Perforations 1470'		·	To 1508'			
Tubing Size Weight 2-3/8" 4.7#				Internal Diameter 1,995			Set at 1465'		Perforations			То			
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater					Pump Unit or Traveling Yes		g Plur	Plunger? Yes / No			
Producing Thru (Annulus / Tubing) 4				% C	% Carbon Dioxide				% Nitrogen			Gas Gr	Gas Gravity - G		
Tubing Vertical Dept	oth(H)					Press	ure Taps	<u> </u>				(Meter I	Run) (P	rover) Size	
Pressure Bui	uildun:	Shut in	3	12 _{at} 1	:34		(AM) (PM)	Taken		20	·	at		AM) (PM)	
Well on Line: Started 12/7 20			10 9.47												
					OBSE	RVE	D SURFACE	DATA			Dura	ation of Shut-	in_26	Hours	
Dynamic	Orifice Size (inches)	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Weff Head Temperature t			Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia			Duration Li (Hours)		d Produced Barrels)	
Shut-In			-				72	psia	pang	рыа					
Flow										·					
		·		<u> </u>	FLOW	STR	EAM ATTRI	BUTES			1		<u>,</u>		
Plate Coefficcient (F _b) (F _p) · Mcfd		Circle one: Meter or over Pressure psia	Press Extension Pmxh	Extension Fac		Т	Flowing emperature Factor F _{rt}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
	L		<u>.</u>	(OPEN EL	OW) (D		ERABILITY)	CALCIII	ATIONS						
(P _c) ² =	<u>:</u>	(P _w) ² =_	: <u></u> :	P _d =	, ,		•		14.4 =	<u> </u>		(P _a) ²	2 = 0.2 2 ==	07 	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$,2 (1	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_s^2$	1. P _c ² -P _a ² LOG of formula 2. P _c ² -P _d ² 1. or 2. and divide		2 *	Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x i	roe		Antilog Del Equals		en Flow iverability R x Antilog (Mcfd)	
Onen Flour			Maid @ 14	SE pois			Deliverabi	lite a		··-	Mofd	Ø 14 65 poi			
Open Flow The und	dersione	d authority on	Mcfd @ 14.		states t	hat he	Deliverabi e is duly au	-	o make th	ne above reo		@ 14.65 psi		ledge of	
	~	•	id report is true				•			•				20 13	
·····		Witness (if	any)				44778			Fai	Compar	ту	KC	WICH	
		For Commi									ecked by				

	clare 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
	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 Zweygardt 12-32
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
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>	2/13/2013
	Signature: Kullu mels
	organistic

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 0 2013