## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				{	See instruct	ions on Reve	erse Side	"			
,	en Flow liverabilt	u.		Test Date	<del>9</del> ;				No. 15		
Company						Lease Zweygard	dt	15-	023-20788-00		Vell Number
Noble Energy Inc.  County Location  Cheyenne NESW				Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed	
Field Cherry Creek				Reservoi				Gas Gathering Conne Southern Star/Kinde			RECEIVE
Completion Date				Plug Bac 1554'	k Total Dep	th	Packer Set at				JAN 03 21
Casing Size Weight 20#, 10.5#			Internal ( 9-7/8",		Set at 305', 1597'		Perforations 1376'		To 1414'	JAN 0 3 20 KCC WICHI	
ubing Size Weight 4.7#			internal I		Set at		Perforations		То		
Type Completion (Describe) Single (gas)				Type Flui	Type Fluid Production saltwater			Pump Unit or Traveling Plunger? Yes / No yes			/ No
roducing	<del>-</del>	Annulus / Tubir	g)	% (	Carbon Dioxi	de		% Nitrog	jen	Gas Gra	avity - G <sub>g</sub>
ubing /ertical Depth(H)					Pressure Taps					(Meter F	Run) (Prover) Size
ressure	Buildup:	Shut in 9/1	4 2	0 12 at 1	1:52	(AM) (PM) 1	Taken		20 _	at	(AM) (PM)
Vell on Li		Started 9/1	72								(AM) (PM)
		······································			OBSERVE	D SURFACE	DATA		[	Duration of Shut-i	73.75 Hours
Static / ynamic roperty	Orifice Size (inches	Meter Prover Press	t	Flowing Temperature t	Well Head Temperature t	(P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure $(P_w)$ or $(P_1)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		paig (t iii)	mones 11 <sub>2</sub> 0			103	psia	psig	psia		
Flow											
		•	1		FLOW STF	REAM ATTRIE	BUTES			1	
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Gra Fac F	tor	Flowing Temperature Factor F <sub>II</sub>		riation actor - pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
°c)2 =		; (P <sub>w</sub> ) <sup>2</sup> =	=;	•	, ,	'ERABILITY) % (P		.ATIONS - 14.4 = _	:		? = 0.207 ? =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> (P <sub>c</sub> ) <sup>2</sup> - P <sub>c</sub> <sup>2</sup> - P <sub>c</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>c</sub>		LOG of formula 1. or 2.		Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x	rod	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
							<u> </u>				
open Flor			Mcfd @ 14	65 nsia		Deliverabil	lity		N.	1cfd @ 14.65 psi	<u> </u>
		ned authority.		<u> </u>	states that h			o make t		t and that he ha	
	•		said report is tru			-			•		•
		Witness	(it any)						For Co	mpany	
		***************************************	,						, 5, 00	,	

	KCC WICHITA
	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.
	joing 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
• •	allation and/or upon type of completion or upon use being made of the gas well herein named.  est a one-year exemption from open flow testing for the Zweygardt 23-33
	ounds that said well:
(Check	·
	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 Nois not capable of producing at a daily rate in excess of 250 mcf/D
¥	
_	e 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.
11/00/0010	
Date: 11/30/2012	<del></del>
	Signature:
	Title: Regulatory Analyst
	Tille: Troganacity / trialyot

## 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.