KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test: Open Flow Deliverabilty				(See Instructions on Reverse Side) Test Date: API No. 15 15-023-20817							The	
Company Noble Energy Inc.					Lease Zweygardt				Well Number 42-34			
County Location Cheyenne NE-SE-NE				Section 34		TWP 3S	TWP		RNG (E/W) 41W		Acres Attributed	
Field Cherry Creek				Reservoir Niobrara			***************************************	Gas Gathering Conne Southern Star/Kinde			RECEIVED	
Completion Date 2/22/2008				Plug Bac 1555'	k Total Dep	th		Packer Set at			VOC. 103 201	
Casing Size Weight 7", 4-1/2" 17#, 11.6#				Internal [9-7/8",			Set at 316', 1597'		Perforations 1358'		DEC U 5 201. KCC WICHIT	
•			Weigh 4.7#			Diameter S		at 2'	Perforations		То	
				Type Flui	Type Fluid Production saltwater			Pump Unit or Traveling Plunger? Yes / No Ves			/ No	
Producing Thru (Annulus / Tubing)					% Carbon Dioxide			% Nitrog	en	Gas Gr	Gas Gravity - G _g	
tubing Vertical D	epth(H	i)				Pres	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Builde	n: !	Shut in	9	0 12 at 1	1:00	(AM) (PM)	Taken		20	at	(AM) (PM)
•				12 at 1:15 (AM) (PM) Taken								
	•					OBSERVI	ED SURFAC	E DATA			Duration of Shut-	-in26.25Hours
Static / Dynamic Property	Orifice Size (inches)		Circle one: Pressur Meter Differenti Prover Pressure in psig (Pm) Inches H		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (i iii)	mones 11 ₂ 0			76	psia	psig	psia		
Flow												
	r			Г	<u> </u>	FLOW ST	REAM ATTE	RIBUTES	Т			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F _{I1}	Fa	viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	1 Gravity
***************************************					(OBEN EL	OW) (DELI)	/ERABILITY	() CAL CIT	ATIONE			
(P _c) ² =		_ :	(P _w) ² =	:	P _d =			P _c - 14.4) 4			(P _a)	$r^2 = 0.207$ $r^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 _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² -P _* ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flor				Mcfd @ 14.			Deliveral	•			Mcfd @ 14.65 psi	
		-	-	n behalf of the aid report is true	• •		-			ne above repo lovember	rt and that he ha	as knowledge of, 20 <u>12</u> .
			Witness (i	f any)						For C	ompany	
			For Comm	nission						Chec	ked by	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.
and that correct of equi	at 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 pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Zweygardt 42-34
	ell on the grounds that said well:
	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
	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissions are execusively to corroborate this claim for exemption from testing.
Date: _	11/30/2012
	Signature: Title: Regulatory Analyst

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.