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

Type Test:	;				(-	See Instru	ctions on Re	verse Side	e)					
	en Flow liverabil				Test Date	):			API N 15-03	o. 15 2 <b>3-21085-0</b> 0	) <u>-</u> 00			
Company Noble Energy Inc				Lease Zweygard			ardt	13-02	23-21000-00		Well Number 11-32B			
County Lo			tion E-NW-N	w	Section 32			TWP 3S		RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek						Reservoir Niobrara			Gas Gathering Conne Southern Star/Kinde			,		
Completion Date 9/10/2008				Plug Baci	k Total De	pth		Packer Set at						
Casing Size Weight				Internal D 9-7/8",			Set at 280', 1687'		Perforations 1440'		то 1480'			
Tubing Size Weight 2-3/8" 4.7#							Diameter Set at 1502'		Perforations		То			
Type Completion (Describe) Single (gas)				Type Flui Saltwa	d Producti <b>ter</b>	on		Pump Unit or Traveling Yes		Plunger? Yes	/ No			
Producing Thru (Annulus / Tubing) Tubing				% C	arbon Dio	xide	e		% Nitrogen		Gas Gravity - G <sub>g</sub>			
Vertical Depth(H)				Pressure Taps						(Meter	Run) (P	Prover) Size		
Pressure	Buildup	: Shut in 3/	3	20	11 at 1	2:00	(AM) (PM)	Taken		20 _	at		(AM) (PM)	
Well on Li	ine:	Started 3/4	•		11 12:00		_ (AM) PM		ſaken		0 at(AM		(AM) (PM)	
						OBSERV	ED SURFAC	E DATA			Duration of Shut	-in 24	Hours	
Static / Dynamic Property	Orific Size (inche	Meter Prover Pres	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H <sub>2</sub> 0		Flowing Well Head Temperature t		Wellhead (P <sub>w</sub> ) or (F	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia			Liquid Produced (Barrels)	
Shut-In		poig (,	,	33 1.20			110	psia	psig	psia				
Flow										.				
		1		-		FLOW \$1	FREAM ATTR	RIBUTES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure psia  Press  Extension  Pmxh		Gravity Factor F <sub>9</sub>		Temperature F		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>		
				-										
P <sub>c</sub> ) <sup>2</sup> =	1	.: (P <sub>w</sub> )²	_			OW) (DEL	IVERABILITY	/) CALCUI P <sub>c</sub> - 14.4) -				) <sup>2</sup> = 0.2	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> 1. F		mula 1 or 2: 2 - P <sub>a</sub> <sup>2</sup> 2 - P <sub>d</sub> <sup>2</sup> P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpre Slo	Backpressure Curv Slope = "n" Assigned Standard Slope		og [	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				- "										
			,									<u> </u>		
Open Flor	w		Mcf	d @ 14.0	65 psia		Deliveral	bility		V	Acfd @ 14.65 ps	31a	<u></u>	
	•	ned authority, erein, and that							to make the day of <u>No</u>		t and that he h		wledge of	
								CK	engl	2 /s.	loon	—R[	CEIVE	
			s (if any)						1	U	ompany ked by	DE	<del>[ 1 2 2</del>	
		For Cor	nmission							Check				
											*	KCC	: MICH	

	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
and that correct t	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 11-32B
gas well	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  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: _/	Signature: Clay Johnson
	Title: Regulatory Analyst II

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.

DEC 1 3 2011