**RECEIVED** 

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

Type Test:					(See Instructions on Reverse Side)								
Open Flow					Test Date: API No. 15								
∐ Del	liverabilty	/ 								023-20854-0	00-00		
Company Noble Er		nc.					Lease Zweyga	Lease Zweygardt			Well Number 41-33		
County Location Cheyenne NENE				Section 33		TWP 3S			RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Conne Southern Star/Kind				_		
Completion Date 1/25/2008					Plug Bac 1554'	k Total De	pth	Packer Set at		et at			<del></del>
Casing Size Weight 7", 4-1/2" 17#, 10.5#				Internal E 9-7/8",			Set at 241', 1596'		Perforations 1378'		то 1418'		
	ubing Size Weight			Internal D		Set a	Set at F 1430'		forations To				
Type Completion (Describe) Single (gas)					d Producti				Unit or Traveling Plunger?		No		
• '	<del></del>	Annulus / Tub	ing)			% Carbon Dioxide				% Nitrogen Gas Gravity - G			
Tubing						·					•		
Vertical D	epth(H)					Pre	essure Taps			-	(Meter	Run) (Pro	over) Size
Pressure	Buildup:	Shut in	1/14		13 at 1		_ (AM)(PM)	Taken			at	(A	M) (PM)
Well on L	ine:	Started 1	1/15	20	13 at 4	:04	_ (AM)(PM)	Taken		20	at	(#	M) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shut	-in_27	Hours
Static / Dynamic Property	Orifice Size (inches	Meter Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperatur	Wellhead	Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		ubing ad Pressure (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		psig (Pr	n)	Inches H <sub>2</sub> 0		<u> </u>	psig 64	psia	psig	psia		<u> </u>	
Flow	<del></del> -						<del>  • • • • • • • • • • • • • • • • • • •</del>						
				! !		FLOW ST	TREAM ATTR	IBUTES					
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one: Meter or Prover Pressure psia		Press Grav Extension Fact  ✓ P <sub>m</sub> xh F <sub>s</sub>		tor	Flowing Temperature Factor F <sub>11</sub>	Fa	riation actor	Metered Flow GOF R (Cubic F (Mcfd) Barre		eet/	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> )	² =	<u> </u>	OPEN FL	, ,	IVERABILITY _% (F	) CALCUL P <sub>e</sub> - 14.4) +		:	(P <sub>a</sub> ) (P <sub>d</sub> )	) <sup>2</sup> = 0.20 ) <sup>2</sup> =	7
(P <sub>c</sub> )²- (F or (P <sub>c</sub> )²- (F	•	(P <sub>c</sub> )²- (P <sub>w</sub> )²		cose formula 1 or 2: 1. $P_c^2 - P_c^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. ideal by: $P_c^2 - P_w^2$ by:		P.2 - P.2	Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		rod	Antilog	Deliv Equals	n Flow erability R x Antilog Acfd)
Open Flor	<u> </u>			Mcfd @ 14.6	55 psia		Deliverat	oility			Mcfd @ 14.65 ps	j sia	
	-	•						uthorized t		•	rt and that he ha		edge of 0 13
		Witnes	s (if an	y)			-		<u>,</u>	ForC	ompany	KC	C WICH
		For Co	mmissi	on		<del></del>	-			Chec	ked by		<del> </del>
												DE	C 3 1 20

•	ty of perjury under the laws of the state of Kansas that I am authorized to request K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
correct to the best of my k	essure information and statements contained on this application form are true and nowledge and belief based upon available production summaries and lease records and/or upon type of completion or upon use being made of the gas well herein named. E-year exemption from open flow testing for the
is cycl is a so is on v √ is not  I further agree to sup	albed methane producer ed on plunger lift due to water urce of natural gas for injection into an oil reservoir undergoing ER acuum at the present time; KCC approval Docket No eapable of producing at a daily rate in excess of 250 mcf/D oly to the best of my ability any and all supporting documents deemed by Commissio oborate this claim for exemption from testing.
	Signature:

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 3 1 2013