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

Type Test	t:					(	See Ins	struct	tions on Rev	erse Side	9)						
Op				Test Date	Test Date:					APł No. 15 15-023-20787 <b>~ 0000</b>							
Company Noble E					Lease Zwey				ise eygardt					Well Number 14-33			
County Location Cheyenne SWSW					Section 33			TWP 3S		RNG (E/W) 41W			Acres Attributed				
Field Cherry Creek					Reservoi				•	Gas Ga	thering	ection er Morgan					
Completion Date 10/4/2007					Plug Bac 1508'		Dept	th		Packer			or morgan	, ·			
Casing Size Weight 7", 4-1/2" 17#, 9.5#					Internal Diameter 9-7/8", 6-1/4"			Set a	1554'	Perforations 1312'			то 1352'				
Tubing Size Weight				Internal Diameter				Set a	Perforations			To					
2-3/8" 4.7# Type Completion (Describe)					1.995 Type Fluid Production				•			Init or Traveling Plunger? Yes / No					
Single (gas) Producing Thru (Annulus / Tubing)					Saltwater % Carbon Dioxide			e		Yes % Nitrogen			Gas	Gas Gravity - G			
Tubing Vertical Depth(H)						Pressure Taps								(Met	(Meter Run) (Prover) Size		
Pressure	Buildup	:	Shut in	3	2	0 13 at 1	0:45		(AM) (PM)	Taken			20	at			
•			Started 1/10 20		13 at 8:15		(AM) (PM) Taken		20		at		(AM) (PM)				
							OBSE	RVE	D SURFACE	DATA				Duration of Sh	nut-in_4	5.5 Hours	
Static / Dynamic Property	amic Size		Circle one:  Meter  Prover Pressul  psig (Pm)		Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> )		Duration (Hours)	Lic	Liquid Produced (Barrels)		
Shut-In			parg (7 m)		inches 1120				psig 35	psia	psig	p:	sia				
Flow																	
				_			FLOW	STR	EAM ATTRI	BUTES		Tr .					
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P <sub>m</sub> x h	Gravity Factor F <sub>e</sub>		1	Temperature F		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		(Cubic	OR : Feet/ rel)	Flowing Fluid Gravity G <sub>m</sub>		
												<u> </u>					
P <sub>c</sub> ) <sup>2</sup> =	·	<u>.</u> :	(P <sub>w</sub> )²:	=	:	(OPEN FL			ERABILITY) % (P		LATIONS + 14.4 = _		_:		$P_a)^2 = 0$ $P_d)^2 =$	.207	
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_g)^2$		(F	(P <sub>o</sub> ) <sup>2</sup> · (P <sub>w</sub> ) <sup>2</sup> 1. P <sub>o</sub> <sup>2</sup> · I 2. P <sub>o</sub> <sup>2</sup> · I		ose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ted by: $P_c^2 - P_s^2$	LOG of formula 1. or 2. snd divide p		2	Backpressure Curve Slope = "n" or  Assigned Standard Slope		D X 10G		Antilog	a l	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	w				Mcfd @ 14.	65 psia			Deliverabi	lity				Mcfd @ 14.65	psia		
	_								e is duly au this the 18				-	rt and that he		<u>-</u>	
			8482	## -·				_	_				pr0		-K∩	<del>C WICI</del>	
			Witness					_	_			·		ornpany			
			For Com	nissli	on								Chec	ked by	DE	C 3 0 20	
															ļ	RECEIVE	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.  I hereby request a one-year exemption from open flow testing for the Zweygardt 14-33 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  I further 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: 12/18/2013  Signature: Advisor mills  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.

KCC WICHITA

DEC 3 0 2013

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