KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:			(See Instruct	tions on Re	verse Side	e)			
	ел Flow iverabilty			Test Date	э :				No. 15		
Company Noble Energy Inc						Lease Zweyga	ardt	15-()23-20899-0		Well Number
County Location Cheyenne SW-NW			Section 4		TWP 4S	TWP F		W)		Acres Attributed	
Field Cherry Creek			Reservoi				Gas Gath	nering Conne n Star/Kinde			
Completion Date 2/2/2008			Plug Back Total Depth				Packer Set at				
Casing Size Weight 7", 4-1/2" 20#, 10.5#			Internal fi 9-7/8",		Set at 183', 1456'		Perforations 1388'		то 1425'		
Tubing Siz		Weig 4.7#	ht	Internal Diameter		Set at 1465'		Perforations		То	
Type Completion (Describe) Single (gas)			Type Fluid Production Saltwater			<u> </u>	Pump Unit or Traveling Plunger? Yes / No Yes				
Producing Thru (Annulus / Tubing)					Carbon Dioxi	е		% Nitrogen		Gas Gravity - G _q	
Tubing Vertical Depth(H)				Pressure Taps				(Meter Run) (Prover) Size			
Pressure E	Buildup:	Shut in 7/	<	13 _{at} 3							(AM) (PM)
Well on Line:		Started 7/	17 20	13 at 3	:15	_ (AM) (PM) Taken			20 at_		(AM) (PM)
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24.25 Hours
Static / Dynamic Property	Size Prove		Differential in	Flowing Temperature t	Temperature Temperature		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In						119	paid	psig	psia		
Flow								ļ			
				1	FLOW STR	EAM ATTR	RIBUTES			<u> </u>	
Plate Coeffiects (F _b) (F _p Mcfd	ent _	Circle one: Meter or Prover Pressure psia Press Extension P _m x h		Gravity Factor F _g		Flowing Femperature Factor F _{f1}	mperature Factor		Metered Flow R (Mcfd)	GOR (Cubic Fer Barrel)	Flowing Fluid Gravity G _m
				(OREN EL	OW) (DELIV	EDADI: ITV	O CALCUI	ATIONS			
P _c) ² =	<u> </u>	(P _w) ²	=:	P _d =	• •		P _c - 14.4) +		<u>-</u> ;	(P _a) ²	2 = 0.207 2 =
(P _c) ² - (P or (P _c) ² - (P	·	(P _c)²- (P _w)²	1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
						-					
Open Flow	<u> </u>]	Mcfd @ 14,	65 psia		Deliverat	oility	<u>l</u>	<u></u>	#cfd @ 14.65 psi	a
The u	ndersign	ed authority, o	on behalf of the	Company, s	states that h	e is duly a	uthorized t	o make th	e above repor	t and that he ha	s knowledge of
e facts sta	ated there	ein, and that s	said report is true	and correc	t. Executed	this the _1	3	day of _De	ecember	•	, 20 13
	<u></u>				,	-					CC WICH
		Witness								xmpany 	DEC 3 0 2013
		For Corn	mission			_			Check	ed by	
											RECEIVE

exempt status under F and that the foregoing correct to the best of r of equipment installation	enalty of perjury under the laws of the state of Kansas that I am authorized to request cule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc g pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records on 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 12-4
gas well on the ground	ds that said well:
is a list of the l	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
	Signature: Kallle 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.

DEC 3 0 2013

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