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

Type Test	t:				(	See Ins	structions c	on Reve	erse Side	r)						
	en Flo diverat				Test Date	<b>9</b> :					No. 1 023-2	5 20518 <b>-</b> 00	0-00			
Company Noble Energy Inc					Lease Zweygardt				11-					Well Number		
County Cheyenne			Locat NWNV	Section 5				TWP 4S			RNG (E/W) 41W			es Attributed		
Field Cherry Creek				Reservoir Niobrara				Gas Gathering Connection Southern Star/ Kinder Morgan								
Completion Date 10/25/2003			Plug Bac 1552	Plug Back Total Depth 1552					Set at							
Casing Size 7",4-1/2"			Weigl 17#,	Internal I 9-7/8",		Set at 312',1	Perforations 1422'				то 1460'					
Tubing Size 2-3/8"			Weigl 4.7#	nt	Internal I	r	Set at	Perforations			To	То				
Type Completion (Describe) Single (gas)				Type Flui	Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Yes							
Producing Thru (Annulus / Tubing) Tubing					% Carbon Dioxide					% Nitrogen Ga			as Gravity	y - G <sub>g</sub>		
Vertical D	Depth(l	H)			***************************************		Pressure T	aps					(N	feter Run	) (Prover) Size	
Pressure	Buildu	•	Shut in		20_13_at_4		,	$\succ \prec$	Taken						(AM) (PM)	
Well on L	.ine:		Started 6/1	2	0 13 at 4	.00	(AM)	(PM)	Taken			20 _	at		(AM) (PM)	
	I		Circle one:	Pressure	T	OBSE	RVED SUI			<b>T</b>	T. Lin		Duration of	Shut-in_	24,0*5 Hours	
Static / Dynamic Property	nic Size		Meter Prover Press psig (Pm)	Differential in	Flowing Well H. Temperature Temperature t		1 Malihaad Pr		ressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia			Duration Liquid Produ (Hours) (Barrels)			
Shut-In							81									
Flow																
			Circle one:			FLOW	STREAM		BUTES				T			
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Prover Pressure psia		Press Extension √ P <sub>m</sub> x h			Temper. Fact	emperature F		viation Metered Flow actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G <sub>m</sub>		
					(*											
P <sub>c</sub> ) <sup>2</sup> =	~~~~~~~~~~~	:	(P <sub>w</sub> )² =	=:	(OPEN FL P <sub>d</sub> =		ELIVERAB %		CALCUL - 14.4) +			:		$(P_a)^2 = (P_d)^2 =$		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>d</sub>	1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. or 2. and divide		P 2 . P 2		Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG		Antilog	Ed	Open Flow Deliverability Equals R x Antilog (Mofd)	
				Server by. 1°c - Fw		<u></u>										
Open Flor	w			Mcfd @ 14	.65 psia		Del	liverabili	ity			N	/lcfd @ 14.	65 psia		
		-	-	n behalf of the				-				ve repor	t and that	he has k	-	
ne facts s	tated t	therei	in, and that s	aid report is tru	e and correc	t. Exec	uted this th	те <u>э</u>		day of	шу				_ , <sub>20                                  </sub>	
			Witness (	if any)			_	_				For Co	ompany		KCC WICH	
<u></u>			For Comr	nission						· · · · · · · · · · · · · · · · · · ·		Check	red by		JUL 1 1 20	
															RECENT	

	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
	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
or equi	pment installation and/or upon type of completion or upon use being made of the gas well herein named.
ını	ereby request a one-year exemption from open flow testing for the Zweygardt *11-5
gas we	ell 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
l fu	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
staff as	s necessary to corroborate this claim for exemption from testing.
Date: _	7/5/2013
	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. **Refer must** be signed and dated on the front side as though it was a verified report of annual test results.

JUL 1 1 2013

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