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

Type Test:	:			(-	See Instructi	ions on Reve	rse Side	)			
$=$ $\cdot$	en Flow liverabilty			Test Date	<b>:</b> :				No. 15 023-20945-0	0-00	
Company Noble Energy Inc				Lease Zweygardt							Vell Number
County Location Cheyenne SW-NW			Section 32		TWP 3S		RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morgan			RECEIVE	
Completion Date 1/13/2008			Plug Back Total Depth 1668'				Packer Set at		DEC 2 6 20		
asing Size Weight ", 4-1/2" 17#, 10.5#			Internat D 9-7/8",		Set at 299',1710'		Perforations 1470'		<sub>То</sub> 1508'	KCC WICHI	
Tubing Si 2-3/8"	bing Size Weight 4.7#			Internal D 1.995	Diameter	Set at 1485'	1485'		rations	То	
	ype Completion (Describe) Single (gas)				Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Yes			
roducing Tubing	Thru (An	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	gen	Gas Gra	avity - G <sub>g</sub>
	ertical Depth(H)				Pressure Taps					(Meter F	Run) (Prover) Size
Pressure	Buildup:	Shut in 12/	<sup>'</sup> 6 2	0_12_at_1	:34	(AM) (PM) 1	raken		20 .	at	(AM) (PM)
Well on Li	ine:	Started _12/	7 2	12 at 3	:47	(AM) (PM) 1	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFACE	DATA		******	Duration of Shut-i	n 26 Hours
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press 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> ) psig psia		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In						72	pola	poig	pola		
Flow		_									
		• .	1		FLOW STR	EAM ATTRIE	BUTES				
Plate Coeffied (F <sub>b</sub> ) (F Mofd	ient ; <sub>p</sub> } Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Grav Fac F	tor	Fłowing Temperature Factor F <sub>ft</sub>		iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G <sub>m</sub>
P 12 =		(P )²:	<u> </u>	,	, .	ERABILITY) % (P		ATIONS 14.4 =	:	· u	<sup>2</sup> = 0.207 <sup>2</sup> =
(P <sub>c</sub> ) <sup>2</sup> - (F <sub>c</sub> )	P <sub>a</sub> ) <sup>2</sup> (	$ \begin{array}{c c} (P_w)^2 = & \vdots \\ \hline (P_c)^2 - (P_w)^2 & 1. \ P_c^2 - P_a^2 \\ \hline 2. \ P_c^2 - P_o^2 \\ \hline divided by: \ P_c^2 - P_w^2 \\ \end{array} $		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" 		n x	Γ٦	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			F4-17 @ 11	GE nois		Deliverabil	itu			Vlcfd @ 14.65 psi	<u> </u>
Open Flo		d sutbority o	Mcfd @ 14		etatae that h			o make t		rt and that he ha	
	U	•	said report is tru			·-				T and that no na	
		Witness	(if any)						For C	ompany	

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 12-32 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: 12/20/2012  Signature: Regulatory Apalyst

## 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.