KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Ins	tructi	ions on Rev	erse Side	?)						
= :	en Flow					Test Date	e:						o. 15				
Company				,					Lease	a ordt	15	5-02	3-21312-0		43-32	Well Nu	mber
Noble Energy Inc. County Location				Section	R. Zwey Section TWP				RNG (E/W)				Acres Attributed				
Cheyenne SE-NW-NE-SE Field				32 Reservoir	32 :			39W Gas Gathering Conn			ection Pro-						
Prairie Star				Niobrara	Niobrara				Kinder Morgan				DEC 2 0 2 To 1362' KCC WICH				
Completion Date 6/1/2011				Plug Bac 1509'	k lotal	Depti	n	Packer Set at			at			D	EC 20 2		
Casing Size Weight 7", 4-1/2" 17#, 11.6#				Internal Diameter 9-7/8", 6-1/4"			Set at 391', 1556'		Perforations 1334'			To 1362'	KCO	Wich			
rubing Size Weight 2-3/8" 4.7#			Internal Diameter 1.995			Set at 1399'		Perforations				То		TUGH			
Type Completion (Describe)				Type Fluid Production						Pump Unit or Traveling Plur			Yes	/ No			
Single (gas) Producing Thru (Annulus / Tubing)					saltwater % Carbon Dioxide					yes % Nitrogen			Gas Gravity - G				
ıbing															/h.f	2	»
ertical D	eptn(H						(Press	sure Taps						(Meter I	Run) (Pi	rover) Size
Pressure	Buildup	o: 5	Shut in 10	/16	20	12 at 1	0:00		(AM) (PM)	Taken			20	at		(AM) (PM)
Vell on L	ine:	5	Started 10	/17	20	12 at 1	0:30	((AM) (PM)	Taken			20	at		(AM) (PM)
							OBSE	RVFf	D SURFACE	- DATA				Duration	of Shut-	_{in} 24.	5 Hours
Static / Pynamic	namic Size operty (inches)		Meter Dit		Pressure Differential in	Flowing Temperature	Well Head		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration (Hours)		Liquid Produced (Barrels)		
roperty					Inches H ₂ 0	t						psig psia					
Shut-In									88								
Flow							FLÓW	STR	EAM ATTRI	BUTES	1					<u> </u>	
Plate Coeffied (F _b) (F Mcfd	ient ,)	Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m x h	Gravity Factor F _g			Flowing emperature Factor F _{ri}	Dev Fa	Deviation Factor F _{pv}		Metered Floo R (Mcfd)	•	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m
o 12 _			/P \2.	_		•	, ,	ELIVE %	ERABILITY)	CALCUI - 14.4) +						² = 0.2 ² =	07
$ P_c ^2 = \frac{ P_c ^2 - P_a ^2}{ P_c ^2 - P_a ^2}$		(P _c) ² - (P _w) ²		= : Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _c ² divided by: P _c ² - P _w ²		LOG of formula 1. or 2. and divide by:			Backpressure Curv Slope = "n"		e n x LOG		Γ٦	Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo					Mcfd @ 14.	65 neja			Deliverab	ility				Mcfd @ 1	4 65 ns	ia	
The	undersi	•	•		ehalf of the	Company,			e is duly au	thorized			above repo			ıs know	ledge of 20 12 .
			Witness	(if any	<i>ı</i>)								Fort	Company			
			For Com	missio	en .			_					Che	cked by			

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt st	atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.
and that t	he 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
	ent installation and/or upon type of completion or upon use being made of the gas well herein named.
l here	by request a one-year exemption from open flow testing for the R. Zweygardt 43-32
gas well o	n 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
	To not dupuble of producing at a daily fate in oxocoo of 200 mone
I furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ne	ecessary to corroborate this claim for exemption from testing.
Date: 12/	17/2012
	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. The form must be signed and dated on the front side as though it was a verified report of annual test results.