KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Ins	truct	ions on Re	verse Side	·)							
Open Flow Deliverabilty						Test Date			API No. 15 15-023-21052-00-00									
Company Noble Energy Inc						<u></u>	Lease									Well Number		
County Location Cheyenne NE-NE-SW-NW					۸/_۸۱۸/	Section 6			TWP 4S	RNG (E/W) 41W			12-0	Acres Attributed				
Field Cherry Creek					Reservoir Niobrara			40		Gas Gat		ng Conne	ection er Morgan					
Completion Date 7/31/2008					Plug Bac		Dept	h	Packer Set at									
Casing Size Weight 7", 4-1/2" 17#, 11.6#				Internal Diameter 9-7/8", 6-1/4"			Set a 248	Perforations 1434'			To 1472'	To 1472'						
Tubing Size Weight 2-3/8" 4.7#					Internal Diameter			Set a	Perforations			То	То					
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Yes										
Producing Thru (Annulus / Tubing) Tubing						arbon (Dioxi	de	e			% Nitrogen			Gas Gravity - G _g			
Vertical D	epth(l)		· · · ·				Press	sure Taps					(Meter	Run) (Prover) Size		
Pressure	Buildu	ıp:	Shut in 3/	16	2	0 11 at 1	1:00		(PM)	Taken			20	at		(AM) (PM)		
Well on Line: Started 3/17						11 2:00			(AM) PM	Taken				at				
							OBSE	RVE	D SURFAC	E DATA				Duration of Shut	t-in27	Hours		
Static / Dynamic Property	Orif Siz (inch	ze Prover Pres		ure	Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature t		I Wellhead P		Pressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		ressure) or (P _c)			uid Produced (Barrels)		
Shut-In			Frig.(m)		2				126	рыа	psig	psig psia						
Flow											•							
				1	•		FLOW	STR	EAM ATTR	IBUTES				<u> </u>				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h		Gravity Factor F _g		Flowing Temperature Factor F ₁₁		Fa	iation ictor - pv	Metered Flow R (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m		
(P _c) ² =		_:	(P _w) ² :	=	:	(OPEN FL	OW) (DI		ERABILITY % (F	') CALCUL ₋ - 14.4) +			<u></u> ;	_) ² = 0.	207		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 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 by:		2 w	Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x i	LOG		Antilog	D	Open Flow Deliverability Equals R x Antilog (Mcfd)		
					·													
Open Flor	w .				Mcfd @ 14.0	65 psia			Deliverab	oility	-		1	Mcfd @ 14.65 ps	sia			
		_	-								N		bove repor ember	rt and that he h				
ine facts si	tated t	nerei	n, and that s	said	report is true	and correc	t. ⊨xec	uted	inis the	<u>.</u> []	day of !! O I I	0	7 /6	1		RECEIVED		
			Witness	(if any	y)						y	(For C	ompany		EC 1 3 2011		
		<u> </u>	For Com	missio	on			_	_		<u> </u>		Chec	ked by	KC	C WICHIT		

. 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 12-6 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 1/21/11 Signature: Cherry Description Pagulatory Analyst II
Title: _Regulatory Analyst∕1

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 property signed and dated on the front side as though it was a verified report of annual test results.

DEC 13 2011