KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				((See Instruc	tions on Re	verse Sid	e)							
	oen Flo eliveral				Test Date	e :				I No. 15 5-023-2085	2-00-00)				
Company Noble Energy, Inc.									_{ease} Zweygardt				Well Number 32-33			
County Cheyenne			Location SW-NE		Section 33		TWP 3S		RNG (E/W) 41W		10.	Acres /		ttributed		
Field Cherry	Cree	ek N	Niobrara ga	is area	Reservoi Niobra					thering Conr F Morgan		pe Co	mpres	sor		
•	empletion Date Plug Back Total Depth Packer Set at 24/2008 1592' n/a															
Casing Size 7", 4-1/2"			Weigh 17# , ′	Internal Diameter 9-7/8", 6-1/4"		Set at 242' , 1635'		Perforations 1		To 392' 1434		1434'				
Tubing Size 2-3/8"			Weigh 4.7#	t	Internal I 1.995"	Diameter	Set at 1458 '		Perforations			То				
Type Cor Single (escribe)		Type Flui Saltwa	d Production	n		Pump U	nit or Traveling	owing		/ No			
Producing Tubing	g Thru	ı (An	nulus / Tubing	1)	% C	Carbon Dioxi	ide		% Nitro			Gas Gra	avity - G	g		
Vertical D	Depth(i	H)				Pres	sure Taps				ı	(Meter F	Run) (Pro	over) Size		
Pressure	Buildu	ıp:	Shut in 1/29	'	08 at_		(AM) (PM)	Taken		20	at		(<i>F</i>	AM) (PM)		
Well on L	ine:		Started 3/6/	2	0 <u>08</u> at 2	:35	AM) (PM)	Taken		20	at _		(<i>P</i>	AM) (PM)		
						OBSERVE	D SURFACI	E DATA			Duration of	of Shut-i	n	Hours		
Static / Dynamic Property	Orif Siz (inch	e	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhe	Tubing ead Pressure or (P ₁) or (P _c)	Durat (Hou		1 '	Produced arrels)		
Shut-In				2			263	psia	psig	psia						
Flow																
<u> </u>						FLOW STR	EAM ATTR	IBUTES								
Coeffieci (F _b) (F	Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m xh	Grav Fact F _a	or 1	Temperature		lation ector Py	Metered Flow R (Mcfd)	(Cubic Fe		et/	Flowing Fluid Gravity G _m		
					(ODEN 5)) (DEL 194			4710110							
(P _c) ² =		_:	(P _w) ² =_	:	P _d =		ERABILITY) % (P) CALCUL) - 14.4) +		:		(P _a)² (P _d)²	= 0.20°	7		
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P.2-P.2	Backpres Slop 	ssure Curve be = "n" orsigned ard Slope		LOG	Antilo		Ope Delive Equals I	n Flow erability R x Antilog		
Open Flow	<u> </u>			Mcfd @ 14.	65 psia		Deliverabi	ility			Mcfd @ 14	1.65 psia	1			
				behalf of the	and correct	Executed	this the _5	5th	o make th	ne above repo	rt and that	t he has		edge of		
			Witness (if	any)	KAN	ISAS CORPO	RATIONCOL		_yol	WILL	Compens	WU	M_			
		-	For Commis	ssion	·	MAR	0 6 2009)	U	Chec	ked by					

exempt status und and that the fore correct to the bes of equipment inst I hereby requ	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. going pressure information and statements contained on this application form are true and t of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Zweygardt 32-33
gas well on the gi	rounds that said well:
	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
_	e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
Date: 3/5/0	09
	Signature:

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.