KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instructions on Reverse Side)												
Open Flow Deliverabilty					Test Date:					API No. 15 15-023-20550 0000						
Company Noble E		jy Ir	IC.						Lease Zweyga	ardt			13-33	Well Num	ber	
County SWNE Location Cheyenne NW-SW						Section 33			TWP 3S		RNG (E/W) 41W			Acres R	ECEIVEL	
Field Cherry Creek						Reservoir Niobrara				Gas Gathering Connection Southern Star/Kinder Morgan				C 0 5 20		
Completion 5/22/200		e				Plug Bac 1513'	k Total [Dept	h		Packer	Set at		······	WICHI	
Casing S 7", 4-1/2			Weight 23#, 10.5#			Internal Diameter 9-7/8", 6-1/4"			Set at 252', 1556'		orations '6'	то 1410'				
Tubing Si 2-3/8"		Weig 4.7#	Weight 4.7#			Internal Diameter 1.995			Set at 1445'		orations	То				
						Type Fluid Production saltwater				Pump Unit or Traveling Plunger? Yes			/ No			
Producing Thru (Annulus / Tubing) tubing					% C	% Carbon Dioxide				% Nitrogen Gas (Gravity - G _g			
Vertical D	epth(F	i)					F	res	sure Taps				(Meter I	Run) (Pro	ver) Size	
Pressure	Buildu	p; \$	Shut in 9/	14	20	12 at 1	1:50		(AM) (PM)	Taken		20	at	(A	M) (PM)	
Well on L	ine:		Started 9/1	17	20	12 at 1	:25		(AM) (PM)	Taken		20	at	(Ai	M) (PM)	
							OBSE	RVE	D SURFAC	E DATA			Duration of Shut-	_{in_} 73.5	Hours	
Static / Dynamic Property	l (inches) l		Circle one: Meter Prover Press psig (Pm)	Meter Differential ver Pressure in		Flowing Well F Temperature Tempe			(P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _c) or (P _c) psig psia		Duration (Hours)	1 '	Produced trrels)	
Shut-In									psig 114	psia	psig	рыа		,		
Flow																
				Т			FLOW:	STR	EAM ATTE	RIBUTES	• • • • • • • • • • • • • • • • • • • •	T				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m x h	Grav Fac F	tor	7	Flowing emperature Factor F _{ft}	Fa	riation actor = pv	Metered Flor R (Mcfd)	w GOR (Cubic Fe Barrel)	i	Flowing Fluid Gravity G _m	
				<u> </u>												
(P _c) ² =		:	(P _w) ² :	=	;	(OPEN FL				/) CALCUL P _c - 14.4) +		:		² = 0.207 ² =	7	
(P _c) ² - (F	$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		se tormula 1 or 2: Pc2 - Pa2 Pc2 - Pd2 d by: Pc2 - Pd2	LOG of formula 1, or 2, and divide by:	LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n"		p v l OG		Antilog	Oper Delive Equals R	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65 p						35 psia	psia Deliverability				Mcfd @ 14.65 psia					
					ehalf of the				•			he above repo November	ort and that he ha		dge of 12	
			Witness	(if any)	<u> </u>			_				For	Company			
			For Com	mission	1			_	•			Che	cked by			

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 13-33
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: 11/30/2012
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.