KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruci	tions on Reve	erse Side	*)					
	en Flow liverabili				Test Date	Test Date: API No. 15 15-023-20899-00-00								
Company Noble Er		nc				Lease Zweygardt				12-			Well Number	
County Location Cheyenne SW-NW				Section 4		TWP 4S			RNG (E/W) 41W		Acres Attributed			
						Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morga			RECEIVEL DEC 0 5 201 2425' KCC WICHIT		
Completion Date 2/2/2008					Plug Bac 1413'	th		Packer Set at			DEC U			
Casing Size Weight 7", 4-1/2" 20#, 10.5				Internal D 9-7/8",		Set at 183', 1456'		Perforations 1388'		то 1425'	To 1425' ΚCC W			
Tubing Size Weight 2-3/8" 4.7#					Internal D 1.995	Diameter	Set at 1465'		Perforations		То			
Type Completion (Describe) Single (gas)				* .	Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / N Yes						
-	Thru (Annul	us / Tubing)	% C	% Carbon Dioxide				% Nitrogen Gas G			ravity - G _g	
Tubing Vertical Depth(H)						Pressure Taps					(Meter F	Run) (Pro	ver) Size	
Pressure	Buildup	: Sh	ut in9/14	ļ 2	0.12 at 1	1:00	(AM) (PM)	Taken		20	at	(A	M) (PM)	
Well on L	ine:	Sta	arted 9/17	2	12 at 1	2:40	(AM) PM	vl) (PM) Taken 2		20	at (AM) (PM)		M) (PM)	
						OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in} _73.5	Hours	
Static / Dynamic Property	Orific Size (inche:	P	Circle one: Meter rover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	rature (P_w) or (P_1) or		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	'		
Shut-In			F3 (,	177000 1120			129	psia	psig	psia				
Flow														
						FLOW STE	REAM ATTRI	BUTES	т.		· · · · · · · · · · · · · · · · · · ·			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F _{tt}		viation Metered Flow actor R F _{pv} (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		. ;	(P _w)² =_	:	•	, ,	ERABILITY)	CALCUL - 14.4) +			(P _a) [;] (P _a)	2 = 0.20 2 =	7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 $1. P_c^2 - P_a^2$ $2. P_c^2 - P_d^2$ fivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpress Slope P° - P 2 Assi Standa		l n x i	roe	Antilog	Deliv Equals	n Flow erability R x Antilog Mcfd)	
Open Fio	w			Mcfd @ 14.	65 psia		Deliverabi	lity	L	<u> </u>	Vicfd @ 14.65 psi	a		
			-	behalf of the			-			ne above repor	rt and that he ha		odge of	
			Witness (if	any)						50	ompany			
			vvidiess (if	carry)						-or C	ompany ————			
			For Commi	ssion			_			Chec	ked 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 12-4
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
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.