KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Re	verse Side	e)					
	en Flo liverat				Test Date	9 :				l No. 15 -023-21005-	00-00			
Company Noble E		, Inc					Lease Zweyga	ardt			22-6	Well Nu	mber	
County Cheyenne			Location NE-NE-SE-NW		Section 6		TWP 4S		RNG (E/W) 41W		Acres Attri		Attributed	
Field Cherry Creek					Reservoi Niobrara				Gas Gathering Co Southern Star/K					
Completion Date 4/14/2008				Plug Back Total Depth 1682'				Packer	Set at			 ,		
Casing Size 7", 4-1/2"			Weight 17#, 11.6#		Internal Diameter 9-7/8", 6-1/4"		Set at 254', 1725'		Perforations 1485'		то 1518'			
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1533'		Perforations		То			
Type Completion (I Single (gas)		n (D			Type Fluid Production saltwater				Pump Unit or Traveling F					
Producing		(Anı	nulus / Tubing)		Carbon Dioxi	ide		% Nitrog	gen	Gas G	ravitý - (э _о	
tubing Vertical D	Depth(1)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Deposite			Shut in	29 2	0 13 _{st} 1	:00	(AM) 6W	Takan			a.		/ANA\ /DNA\	
Pressure Buildup: Well on Line:			Started 10/3		0 13 at 2		\subseteq			20		·		
						OBSERVE	D SURFAC	E DATA			Duration of Shu	25	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Pressu		Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liqui	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H ₂ 0			psig 165	psîa	psig	psia				
Flow														
						FLOW STF	REAM ATT	RIBUTES					· · · · · · · · · · · · · · · · · · ·	
Plate Coefficeient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Extension Fact		Flowing Temperature Factor F _{f1}	perature Factor F		Metered Flo R (Mcfd)	w GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G _m	
													:	
(P _c) ² =		_:	(P _w) ² =	· :	(OPEN FL	OW) (DELIV		/) CALCUI P _c - 14.4) +		:) ² = 0.2) ² =	07	
(P _e) ² - (I			P _o) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_g^2$ divided by: $P_c^2 - P_g$	P _c ² - P _e ² LOG of formula P _c ² - P _c ² 1. or 2.		Backpre Sid	Backpressure Curve Slope = "n" or Assigned Standard Slope		LOG	Antilog	Det Equals	pen Flow iverability R x Antilog (Mcfd)	
Open Flo	pen Flow Mcfd @ 14.65 psia				Deliveral	bility	l	Mcfd @ 14.65 psia						
The	unders	-	-		Company,		ne is duly a	uthorized t		,	ort and that he h	as know	rledge of 20 13 VICHIT	
			Witness (if	any)			•			For	Company	EC 3	1 2013	
			For Commi	ssion						Che	cked by	RFC	FIVED	

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to reques
exemp	t status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and th	at the foregoing pressure information and statements contained on this application form are true and
correc	t to the best of my knowledge and belief based upon available production summaries and lease records
-	pment installation and/or upon type of completion or upon use being made of the gas well herein named
۱h	ereby request a one-year exemption from open flow testing for the Zweygardt 22-6
gas we	ell 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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commiss
staff a	s necessary to corroborate this claim for exemption from testing.
Date: _	12/26/13
	Signature: (Kluff AK Son
	Title: Completions Supervisor

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