KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	it:				1	(See Instruc	tions on Rev	erse Sid	e)						
Open Flow Deliverabilty			Test Date:				API No. 15 15-023-20788-00-00								
Company Noble I		gy,	Inc.				Lease Zwe yga	ardt		020 20	. 00 0.	23-3	Well No	umber	
County Location Cheyenne NE-SW				Section 33		TWP 3S		RNG (E/W)			Acres		Attributed		
Field Cherry	Cre	ek N	liobrara ga	as area	Reservoi Niobra					thering Co			ek Co	mpressor	
Completion Date 10/3/2007				Plug Back Total Depth 1554'				Packer Set at n/a							
Casing Size 7", 4-1/2"			Weigh 20# ,	nt 10.5#	Internal Diameter 9-7/8", 6-1/4"		Set at 305', 1597'		Perforations 137		1376'	то 6' 1414'			
Tubing Size Weight n/a			Internal Diameter Set at			Perf	orations		То						
Type Cor Single (escribe)		Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No No ~ Flowing						
		ı (An	nulus / Tubin	g)	% C	arbon Dioxi	ide		% Nitro				ravity -	G,	
Annulus Vertical D		——— Н)				Pres	sure Taps					(Meter	Run) (P	rover) Size	
Pressure Well on L		•	Shut in 10	``	008 at 5		\sim	Taken				at		(AM) (PM) (AM) (PM)	
					·	OBSERVE	D SURFACE	DATA			Dura	ation of Shut	-in 2	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Heat Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)			Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			poig (i iii)	mones 11 ₂ 0			psig 199	psia	psig	psia					
Flow															
				T		FLOW STR	EAM ATTRI	BUTES			-				
Coeffieci	Plate Coefficeient (F _b) (F _p) Mcfd		Circle one: Meter or ever Pressure psia	Press Extension ✓ P _m x h	Grav Fact F _a	or 1	Flowing Femperature Factor F ₁₁	Deviation Factor F _{pv}		ctor R		GOR (Cubic Feet Barrel)		Flowing Fluid Gravity G _m	
			· · · · · · · · · · · · · · · · · · ·		(OPEN EL	W OF IV	ERABILITY)	CALCUI	ATIONS						
(P _c) ² =		_:	(P _w) ² =	:	P _d =			- 14.4) +		:		(P _a)	$0^2 = 0.2$ $0^2 = 0.2$	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	1. P _c ² - P _a ² LOG of formula 2. P _c ² - P _d ² 1. or 2. and divide		Backpress Slope		e Curve "n" n x L0			Antilog De		pen Flow Iverability S R x Antilog (Mcfd)	
Open Flov	w			Mcfd @ 14.	65 psia		Deliverabil	ity			Mcfd	@ 14.65 ps	ia		
				n behalf of the	Company, s			nd	o make the	ne above re			as know	ledge of 20 <u>09</u> .	
			Witness (i	f any)	{	KANSAS GO	RECEIVE RPORATION (OMMISS	IQT Y	WY	or Compan	<u>u</u>	4		
			For Comm	ission		 Ma	VR : 5 20	กุด		- (Checked by	,			

CONSERVATIONOLVISION

I declare under penalty of perjury under the laws of the state exempt status under Rule K.A.R. 82-3-304 on behalf of the operation	
and that the foregoing pressure information and statements co	ntained on this application form are true and
correct to the best of my knowledge and belief based upon avail	able production summaries and lease records
of equipment installation and/or upon type of completion or upon	
I hereby request a one-year exemption from open flow testing	g for the Zweygardt 23-33
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 ar	oil reservoir undergoing ER
is on vacuum at the present time; KCC appro	val 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 al	
staff as necessary to corroborate this claim for exemption from	testing.
Date: 3/2/09	
Signature:	infe Barrett
Title: Regulato	ny 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.