KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes					(See Instruc	tions on Rev	erse Side	e)				
	oen Flo eliverat				Test Date	ə :				I No. 15 3-20786-00-	00		
Compan Noble E		, Inc				··· • • • • • • • • • • • • • • • • • •	Lease Zweygai	rdt			43-32	Well Numbe	er
County Location Cheyenne NE-SE				Section 32				RNG (E/W) 41W		,	Acres Attributed		
Field Cherry (Creek	Niol	orara Gas A	\rea	Reservoi Niobrara		,			thering Conn Morgan via	ection Cherry Creek C	ompresso	or
Completi 9/20/200		te			Plug Bac 1511'	k Total Dept	th		Packer : N/A	Set at			
Casing Size Weight 7", 4-1/2" 17#, 9.5#				Internal (9-7/8",		Set at 291', 1553'		Perforations 1348'		т _о 1390'			
Tubing S N/A	ize		Weig	nt	Internal Diameter Set at			t	Perforations To				
Type Cor Single			escribe)		Type Flui Saltwa	d Production ter	1		Pump U Yes	nit or Traveling	Plunger? Yes	/ No	
Producin Annulu	-	(Anı	nulus / Tubin	g)	% C	arbon Dioxi	de		% Nitrog	gen	Gas Gra	avity - G _g	
Vertical [Depth(F	1)				Pres	sure Taps				(Meter F	Run) (Prove	r) Size
Pressure	Buildu	•	Shut in	2	09 at 9	:00	(PM)	Taken		20	at	(AM)	(PM)
Well on L	.ine:		Started 2/2	7/2	0 <u>09</u> at <u>1</u>	:00	(AM) (PM)	Taken	·	20	at	(AM)	(PM)
					·	OBSERVE	D SURFACE	DATA			Duration of Shut-	29	Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Press psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casi Wellhead F (P _w) or (P _t	Pressure) or (P _c)	ng Tubing Pressure Wellhead Pressure Duration Liquid Produ				
Shut-In			P-19 (1 11/1)	mones H ₂ s			170	psia	psig	psia			
Flow													
				T		FLOW STR	EAM ATTRI	BUTES			+ · · · · · · · · · · · · · · · · · · ·		
Plate Coeffied (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Grav Faci F _g	tor T	Flowing Deviation Metered Flow GOR Factor Factor F, (Mcfd) Barrel)		et/	lowing Fluid Aravity G _m			
(P _c) ² =		:	(P _w) ² =	: :	(OPEN FLO		ERABILITY)	CALCUL - 14.4) +		•	$(P_a)^2$	= 0.207	
		<u> </u>		Choose formula 1 or 2	: [<u> </u>	T .	sure Curve		Г ¬	(, 9)	Open F	low
(P _c) ² - (or (P _c) ² - (l		(F	(P _w) ² - (P _w) ²	 P_c² - P_a² P_c² - P_d² divided by: P_c² - P_w² 	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Ass	e = "n" origned rd Slope	nx	LOG	Antilog	Delivera Equals R x (Mcf	bility Antilog
		·····											
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 psia	a	
The	unders	ianec	l authority, o	n behalf of the	Company, s	tates that he	e is dulv aut	horized to	o make th	ne above repo	ort and that he has	s knowledo	e of
				aid report is true		t. Executed	this the 1s			ecember		, 20 _	
					Kansas (RECEIVE CORPORATION	i commis <mark>siq</mark>	Mu	nt.	LOSe,	DL_		
			Witness (•	D	EC 0 4	て 2009		, –	Fort	Company		

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request							
	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 43-32							
gas well on the gr	ounds 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.							
\checkmark	is not capable of producing at a daily rate in excess of 250 mcf/D							
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission							
staff as necessar	y to corroborate this claim for exemption from testing.							
Date: 12/1/2009								
	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.