KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t: en Flo	w	· · · ·		(See Instruc	tions on Re	verse Side	e)			
	liverab				Test Date	ə :				No. 15 -20855-00-6	00	
Company Noble E		, Inc	•				Lease Zweyga	ardt				Well Number
County Location Cheyenne SE-NE				Section 33		TWP 3S			RNG (E/W) 41W		Acres Attributed	
Field Cherry C	Creek	Niol	orara Gas Ar	ea	Reservoi Niobrara					hering Conn Morgan via	ection Lampe Compre	ssor
Completion Date 1/25/2008				Plug Bac 1564'	k Total Depi	th	Packer Set at N/A					
			Weight 17#, 1						Perforations 1376'		то 1416'	
Tubing Size Weight 2-3/8" 4.7#				Internal I 1.995"	Diameter	Set a 144		Perforations		То		
Type Completion (Describe) Single (Gas)				Type Flui Saltwa	d Production ter	1		Pump Unit or Traveling Yes		g Plunger? Yes / No		
Producing Tubing	g Thru	(An	nulus / Tubing)	% C	arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G _g
Vertical D	epth(F	ł)				Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	•	Shut in 3/8/		0 09 at 1		(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:	;	Started 3/9/	29	09 at 2	:40	(AM) (PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Duration of Shut-i	n_25 Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm) Pressure Differential in Inches H ₂ 0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In							190		P-19			
Flow												
			· · · · · · · · · · · · · · · · · · ·			FLOW STR	EAM ATTR	IBUTES				
Plate Coefficcient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure psia	Press Extension ✓ P _m x h	Gravity Factor F _g		Temperature F		viation Metered Flow R F _{pv} (Mcfd)		v GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
					(OPEN E) (OW) (DELIV	FRARII ITV) CALCIII	ATIONS			
(P _c) ² =		:	(P _w) ² =_	<u> </u>	P _d =			ع - 14.4) +		:	(P _a) ² (P _d) ²	= 0.207 =
(P _c) ² - (F	P _a) ²	(P	_c) ² - (P _w) ²	hoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ vided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Slop Ass	ssure Curve be = "n" or signed ard Slope	n x L	og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flov	v	•	I	Mcfd @ 14.6	S5 psia		Deliverab	ility			Mcfd @ 14.65 psia	1
				behalf of the		. Executed	this the 30		make the		rt and that he has	s knowledge of
			Witness (if a	anu)		RECE	ved _		in	W125	ph	
			For Commis			NOV 0	5 2009_			For C	orfipany ked by	

KCC WICHITA

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the fore	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.
I hereby requ	est a one-year exemption from open flow testing for the Zweygardt 42-33
gas well on the gr	rounds that said well:
(Check	
	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
•	y to corroborate this claim for exemption from testing.
stan as necessar	y to demograte time diamner exemplien from testing.
Date: _10/30/2009	9
	Signature: And Seph
	Title: Regulatory Specialist

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.