KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			+	(See Instruct	tions on Re	verse Side	e)				
Open Flo			Test Date	e:				No. 15 023-2078 3	3-00-00		
Company Noble Energy, Inc.			Lease Zweygardt			ardt				Well Number 34-32	
County Location Cheyenne SW-SE		Section 32		TWP		RNG (E/W)			Acres Attributed		
Field Cherry Creek Niobrara gas area			Reservoi Niobra	-				nering Conne Morgan via		k Compressor	
Completion Date 9/21/2007			Plug Bac 1549'	k Total Dept	th		Packer S n/a	et at			
Casing Size Weight 7", 4-1/2" 17#, 9.5#		Internal Diameter 9-7/8", 6-1/4"		Set at 292', 1589'		Perforations 138		To 84'	1456'		
Tubing Size 2-3/8"			Internal Diameter 1.995"		Set at 1,486'		Perforations		То		
Type Completion (Describe) Single (Gas)			Type Flui Saltwa	id Production	1		Pump Un	it or Traveling	Plunger? Yes	/ No	
Producing Thru Tubing	(Annulus / Tub	ing)	% C	Carbon Dioxid	de		% Nitroge	en	Gas Gr	avity - G _g	
Vertical Depth(1)			Press	sure Taps	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		(Meter I	Run) (Prover) Size	
Pressure Buildu	p: Shut in _	116 20	108at C	7:00	(PM)	Taken		20	at	(AM) (PM)	
Well on Line:	Started	•, •,		5'.00	_	Taken			at		
				OBSERVE	D SURFACE	DATA		,	Duration of Shut-	in 56 Hours	
Dynamic Siz	Oynamic Size Meter Differe		lemperature Temperatur		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _e)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	paig (i ii	n) Inches H ₂ 0			193	psia	psig	psia			
Flow											
· · · · · · · · · · · · · · · · · · ·		1		FLOW STR	EAM ATTRI	BUTES					
Plate Coefficient (F _b) (F _p) Mcfd Circle one: Meter or Prover Pressure psia		Press Extension √ P _m x h	Gravity Factor F _g		Flowing emperature Factor F ₁₁	1	lation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G _m	
			(OPEN FLO	OW) (DELIVE	FRARILITY)	CALCUL	ATIONS	 			
(P _c) ² =	_: (P _w)²	= :	P _d =	%	•	- 14.4) +		:	(P _a)² (P _a)²	= 0.207 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	Choose formula 1 or 2:		P.2-P.2	Backpressure Curve Slope = "n" or Assigned Standard Slope		0 x 10G		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flow Mcfd @ 14.65			5 psia Deliverability			lity	Mcfd @ 14.65 psia				
		on behalf of the (said report is true		t. Executed	<u></u>	(D)	make the	above repor	Ermett	s knowledge of, 20 <u>O</u>	
		nmission		M	AR 1962	109		Check	ed 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 34-32
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.
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 all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
Date: 3/2/09
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.