KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:					(See Instruc	ctions on Re	verse Side	9)				•	
= -	oen Flo eliverab				Test Dat	e:				I No. 15 -023-2113	4-00-00			
Company Noble Energy, Inc.					Lease Zweygardt				Well Number 44-32B					ber
County Location Cheyenne NE-NW-SE-SE				Section 32		TWP 3S		RNG (E	/W)	Acres Attributed			ributed	
Field Cherry Creek Niobrara gas area					Reservoi Niobra			Gas Gathering Co Kinder Morgar			nnection n via Lampe Compressor			
Completion Date 11/7/2008				Plug Bac 1512'	k Total Dep	oth	Packer Set at n/a							
Casing Size 7", 4-1/2"			Weight 17#, 11.6#		Internal Diameter 9-7/8", 6-1/4"		Set at 270', 1544'		Perfo	rations 1	342'		382'	70 TII
Tubing Size Weight n/a				Internal	Diameter	Set a	Set at Perforations			To	0		C	
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No					
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide				% Nitrog	jen	- G	as Gra	vity - G _e	Ü
Vertical Depth(H)					Pressure Taps						(N	feter R	un) (Pro	ver) Size
Pressure	Buildu		Snut in	/12/	08 at_		(AM) (PM)	Taken		20	at		(A	M) (PM)
Well on L	ine:		Started _11/	25/ 2	08 at 1	1:00	(PM)	Taken		20	at		(AI	M) (PM)
						OBSERVE	D SURFACE	DATA			Duration of	Shut-in		Hours
Static / Dynamic Property	(inches) Prover Pressure		Pressure Differential In Inches H _a 0	Temperature Temperat		Wellhead Preceure		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In							164	pola	poig	poid				
Flow														
FLOW STREAM ATTRIBUTES														
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension √ P _m xh	Gravity Factor F _o		Flowing Temperature Factor F ₁₁	erature Factor		Metered Flor R (Mcfd)	v GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
								.]						
(OPEN FLOW) (DELIVERABILITY) CALCULATIONS $(P_o)^2 = 0.207$ $(P_o)^2 =$ $(P_w)^2 =$ $(P_w)^2 =$ $(P_d)^2 =$														
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(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: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x 106		Antilog	Open Flow Deliverability Equals R x Anti (Mcfd)		rability x Antilog
Open Flov				Mcfd @ 14.			Deliverabil				Mcfd @ 14.6			
			n, and that sa	n behalf of the			1	ith.	make the	e B	and	ne has		1ge of
			Witness (i	t any)			_			For C	Company			

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request nder Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the for correct to the be	egoing pressure information and statements contained on this application form are true and est of my knowledge and belief based upon available production summaries and lease records
I hereby red	stallation and/or upon type of completion or upon use being made of the gas well herein named. uest a one-year exemption from open flow testing for the Zweygardt 44-32B grounds that said well:
(Che	ck one)
	is a doalbed 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
<u>.</u>	is not capable of producing at a daily rate in excess of 250 mcf/D
	ree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necess	ary to corroborate this claim for exemption from testing.
Date: $2/2$	0/09
	Signature:
	HITIE: Negalatory 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.