

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

FEB 2 0 2009

Type Test:					(See Instructions on Reverse Side)							CONSERVATION DIVISIO WICHITA, KS	
Open Flow Deliverabilty				Test Date: API No. 15 15-023-209						5-00-00	,,,,,,		
Company Noble Energy, Inc.					Lease Zweygardt				Well Number 12-32				
County Location Cheyenne SW-NW				Section 32		TWP 3S					Acres Attributed		
Field Cherry Creek Niobrara gas area				Reservoir Niobrara			Gas Gathering Connection Kinder Morgan via Lampe Compressor						
Completion Date 2/13/2008				Plug Back Total Depth 1668'			Packer S n/a	et at					
Casing Size Weight 7", 4-1/2" 17#, 10.5#			Internal [9-7/8",			Set at Per 299', 1710'		ations 1	то 470 '	1508'			
Tubing Size Weight 4.7#						at 28'		ations	То				
Type Completion (Describe) Single (Gas)				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No					
Producing Tubing	Thru (Annulus / 1	Tubing)		% C	arbon Diox	kide		% Nitroge	en	Gas Gr	avity - G _o	
Vertical D	epth(H)					Pres	ssure Taps				(Meter l	Run) (Prover) Size	
Pressure	Buildup			2	08 at_		(AM) (PM)	Taken		20	at	(AM) (PM)	
Well on L	ine:	Started	3/24/	20	08 at 1	2:10	(AM) (PM)	Taken			at		
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	inHours	
Static / Orifice Dynamic Size Property (inches)		Me Prover F	Circle one: Meter Prover Pressure psig (Pm)		Flowing Well H Temperature t		ature (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		poig	,	Inches H ₂ 0			220	psia	psig	psla			
Flow													
		0'			1	FLOW ST	REAM ATTE	RIBUTES	ı				
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Gravity Factor F _g		Flowing Temperature Factor F,		eviation Metered F Factor R F _{pv} (Mcfd)		v GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G _m	
					(OPEN FLO	OW) (DELIV	/ERABILITY	•				² = 0.207	
(P _o) ² =		: (F	Cho	ose formula 1 or 2:	P _a =			P _o - 14.4) +		 ;	(P°).	² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		1. P _c ² -P _a ² 2. P _c ² -P _d ² ded by: P _c ² -P _w ² LOG of formula 1. or 2. and divide by:		P _c ² -P _w ²	Slo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
0.5.					25.00			.1114				-	
Open Flor				Mcfd @ 14.			Deliverat				Mcfd @ 14.65 psi		
		erein, and th	nat said	report is true				iath	day of	FGBN	rt and that he ha	s knowledge of, 20 <u>09</u> .	
			ness (if an				_				Company		

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 12-32 gas well on the grounds that said well:
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:
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.