KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

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	en Flow liverabil				Test Date	ə:				I No. 15 -023-20841-0	00-00	
Company Noble Energy Inc					Lease Zweygardt				202041	13-31	Well Number	
County Cheyenne			Locati NW-SV		Section 31			TWP 3S		/W)	Acres Attributed	
Field Cherry Creek				·····	Reservoir Niobrara					thering Connern Star/Kind	ection er Morgan	RECEIVE
Completion Date 5/18/2008				Plug Bac 1697'	k Total D	epth		Packer Set at			DEC 05 20	
Casing Size Weight ", 4-1/2" 17#, 11.6#				Internal I 9-7/8",		Set at 321'	1739'	Perfo	orations 18'	то 1536'	RECEIVE DEC 0 5 20 KCC WICHI	
Tubing Size Wei			Weigh 4.7#						Perforations		То	
ype Con ingle ((Des			Type Flui Saltwa				Pump Unit or Traveling Yes		Plunger? Yes / No	
Producing Thru (Annulus / Tubing)				j)	% Carbon Dioxide							ravity - G _g
Tubing Vertical Depth(H)					ressure Taps				(Meter	Run) (Prover) Size		
ressure	Buildup	: Sh	nut in	2	12 at 1	1:45	(PM)	Taken		20	at	(AM) (PM)
Well on Line:			tarted 2/3 20		0 12 at 3	12 at 3:00		Taken	1		at	(AM) (PM)
						OBSER	VED SURFACE	DATA			Duration of Shut	27.25 Hours
Static / ynamic roperty	ic Size		Circle one: Meter rover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0		Well Hea Temperat	wellhead F	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing ead Pressure r (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		İ	F - 3 (1 - 3)				174	psia	psig	psia		
Flow												
						FLOW S	TREAM ATTRI	BUTES				
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Extension Fact		or Temperature		riation actor = pv	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	eet/ Fluid
,)² =		:	(P _w) ² =	:	(OPEN FL	OW) (DEI	LIVERABILITY) % (P.		.ATIONS - 14.4 =	:		$r^2 = 0.207$
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(P _c) ² - (P _w) ²		1. P _c ² - P _e ² LOG of formula 1. or 2.		Backpressure Ct Slope = "n" or Assigned Standard Slop		sure Curve a = "n" or gned	, n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
pen Flov				Mcfd @ 14.	-		Deliverabil				Mcfd @ 14.65 ps	
							t he is duly aut ed this the 30				rt and that he ha	-
			Witness (if	anv)						E C	omogny	
			renness (II	77						For C	ompany	

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 13-31 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: 11/30/2012 Signature: Regulatory 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.