KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

_	t: pen Flov eliverabi		- •	01111 0	Test Date		uctions on R	everse Side	API	No. 15	00			
Company Noble E	y						Lease	ardt	023	3-20800-00-	21-5	Well Nu	mber	
County		, Inc. Zweygardt Location Section TWP NE-NW 5 4S			arut	RNG (E	/W)	Acres Attributed						
Field		Niobrara Gas		a	Reservoi Niobrar				Gas Gat	thering Conn		Compre	ssor	
Completion 10/5/200	on Date		Gas Area Niobrara Kinder Morgan via Cherry Creek Compo Plug Back Total Depth Packer Set at 1506' N/A											
Casing S 7", 4-1/2			Weight Internal Diameter Set at Perforation 17#, 9.5# 9-7/8", 6-1/4" 240', 1551' 1380'					To 1452'						
Tubing S N/A	ize	Wei			Internal (Set			rations	То			
Type Cor Single ((Describe)			Type Flui Saltwa	d Product	ion		Pump Ur No	nit or Traveling	Plunger? Yes	/ No		
Producing		(Annulus / Tub	ing)		% C	Carbon Dic	oxide		% Nitrog	en	Gas G	ravity - C	àg	
Vertical D		1				Pre	essure Taps				(Meter	Run) (Pr	over) Size	
Pressure Well on L	•	: Shut in 2/ Started 2/	19/ 20/		0 09 at 2		(AM)((PM)	,			at	·	AM) (PM) AM) (PM)	
						OBSERV	/ED SURFAC	E DATA			Duration of Shut-	2 6	Hours	
Static / Dynamic Property	Orific Size (inche	Prover Pres	sure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatu t	re Wellhead	sing I Pressure P ₍) or (P _c)	Wellhe	Tubing ad Pressure (P _t) or (P _c) psia	Duration (Hours)		quid Produced (Barrels)	
Shut-In							145							
Flow						51.037.03								
Plate		Circle one:	T	Press			Flowing						Flowing	
Coeffictient (F _b) (F _p) Mcfd		Meter or Prover Pressure psia		Extension P _m xh	Grav Fact	or .	Temperature Factor F _{f1}	Fa	iation ctor - pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Fluid Gravity G _m	
(P _c) ² =		: (P _w) ²		:		OW) (DELI	IVERABILITY	/) CALCUL P _c - 14.4) +				2 = 0.20 2 =)7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		ise formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ end by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpre Slo	essure Curve ppe = "n" - or ssigned dard Slope	n x I	.og []	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov						Mcfd @ 14.65 psi	a	<u></u>						
		ned authority, or				. Execute	ed this the 1	st	/ 1	e above repo ecember	rt and that he ha		edge of 0 <u>09</u> .	
		Witness	(if any)			ECEIVE			For C	ombany			
		For Com	mission	n		DE	C 2 1 20	na		Chec	ked by			

KCC WICHITA

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the foregorrect to the besited and that the besited and the besited a	oing pressure information and statements contained on this application form are true and 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. est a one-year exemption from open flow testing for the
•	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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: <u>12/1/2009</u>	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.