KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:						(-	See Instructi	ions on Hev	erse Side	; <i>y</i>				
_	n Flow					Test Date):				No. 15			
Del	iverabil	Ity			,						023-20845-0	00-00	·····	
Company Noble Energy Inc					Lease Zimbelman				22-		Well Number 31			
County Location Cheyenne SE-NW			Section 31		TWP 3S			W)	Acres Attributed					
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morgan			RECEIVE DEC 0 5 20 52' KCC WICHI			
Completion Date 2/5/2008				Plug Baci 1689'	Plug Back Total Depth 1689'			Packer Set at			DEC (
asing Si , 4-1/2"	ze	Weight 17#, 10.5#				Internal D 9-7/8",		Set at 309', 1729'		Perforations 1514'		то 1552'	To KCC	
Tubing Size 2-3/8"		Weight 4.7#			Internal Diameter 1.995		Set at 1573'		Perforations		То			
Type Completion (Describe) Single (gas)			Type Flui	Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes			Yes / No				
Producing Thru (Annulus / Tubing)				% Carbon Dioxide					Gas Gra	Gravity - G _g				
Tubing Vertical Depth(H)					Pressure Taps				(Meter Run) (Prover) Size					
		, 											, (.	
Pressure I	Buildup		nut in	30			:45	(AM) (PM)	Taken		20	at	(A	M) (PM)
Well on Li	ne:	S	Started 1/3	31	20	0_12_at_3	:45	(AM) (PM)	Taken		20	at	(A	M) (PM)
							OBSERVE	D SURFACE	DATA			Duration of Shut-	in_25	Hours
Static / Dynamic Property	amic Size		Prover Pressure		Pressure Differential in	Flowing Temperature t	Well Head Temperature t	Wallhaad Draceura		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c)				Produced arrels)
Shut-in	•		psig (Pm	m) Inches H ₂ 0				psig 123	psia	psig	psia			
Flow														
							FLOW STR	EAM ATTRI	BUTES		1			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Grav Extension Fac ✓ P _m xh F		tor Temperature		Fa	Deviation Metered FI Factor R F pv (Mcfd)		v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m
					•									
? _c)² =		:	(P)²	=	:	•	OW) (DELIV				;		² = 0.20 ³	7
		(P _c) ² - (P _w) ²		Cho	coose formula 1 or 2: 1. $P_c^2 - P_c^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1. or 2. and divide by:		Backpress Slope Assig		ssure Curve be = "n" or signed ard Slope	ve n v LOG		Antilog	Ope Deliv Equals	n Flow erability R x Antilog lofd)
							···· ····· - · · · · · · · · ·							
Open Flov				<u></u>	Mcfd @ 14.	65 peig		Deliverabi	ility			Mcfd @ 14.65 psi	l ia	
		anod	outhorit.	on h		·	atataa that h			ta maka ti				rdae of
	`	•	•		report is true			•			•	ort and that he ha		-
			Witness	s (it an	iy)						For	Company		
			For Cor	nmissi	on			_			Che	cked by	· · · · · · · · · · · · · · · · · · ·	

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request								
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc								
and that the foreg	going pressure information and statements contained on this application form are true and								
correct to the bes	t 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 Zimbelman 22-31								
	rounds that said well:								
gao wen on the gi	ourids that said won.								
(Check	cone)								
	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								
Ţ	is not capable of producing at a daily rate in excess of 250 mcf/D								
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission								
staff as necessar	y to corroborate this claim for exemption from testing.								
Date: 11/30/2012									
Date									
	Signature:								
	Title: 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.