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

RECEIVED

Type Test					(See ins	irucii	ons on He	verse Siae	9)			٨	UG 2 3 21
Open Flow Deliverability				Test Date:				API No. 15 15-023-21168-00-00				00 2 3 20		
Company Noble E			nc.					Lease Zimbelr	man		-023-21100-0	34-13	w ell Co	G-WICH
County Location Cheyenne NE-NW-SW-SE				Section 13				TWP 2S		E/W)		Acres Attributed		
Field Cherry Creek Niobrara Gas Area					Reservoir Niobrara					Gas Gathering Connection Southern Star via Record Compressor				
Completion Date 12/3/2008					Plug Back Total Depth 1451'				Packer Set at					
asing Size Weight ", 4-1/2" 17#, 11.6#				Internal Diameter 9-7/8", 6-1/4"			Set at 190', 1483'		Perforations 1242'		то 1282'			
ubing Si -3/8"	ng Size Weight			Internal Diameter 1.995"			Set at 1300'		Perforations		То			
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No yes					
Producing Thru (Annulus / Tubing) Tubing					% C	% Carbon Dioxide				% Nitrogen Gas			s Gravity - G _g	
ertical D	epth(F	1)					Pressi	ure Taps				(Meter F	Run) (P	rover) Size
ressure	Buildu	p: {	Shut in	/2	0_10_at_1	1:05	((PM)	Taken		20	at	((AM) (PM)
/ell on L	ine:		Started 4/23		0 10 at 1	2:10	((AM) (PM)	Taken		20	at		(AM) (PM)
· 1						OBSE	RVEC	SURFAC				Duration of Shut-	in 25	Hours
Static / ynamic roperty	c Size		Circle one: Meter Prover Pressure	1	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration Li (Hours)		d Produced Barrels)
Shut-In			psig (Pm)	Inches H₂0				psig 205	psia	psig	psia			
Flow														
			······································			FLOW	STRE	AM ATTR	RIBUTES					1
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperatu Factor F ₁₁		Fa	viation actor F _{pv}	Metered Flor R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
					(OPEN FL	OW) (D	FLIVE	RABILITY	() CALCUI	ATIONS		(0.)		
_c) ² =		:	(P _w) ² =	:	, P _d =		%		´ P _c - 14.4) ⊦		·:	(P _d)	2 = 0.2 2 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		cose formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_d^2$ 1, or 2. and divide by:				Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		i Antiiod i		pen Flow liverability s R x Antilog (Mcfd)
											w			
Open Flow Mcfd @ 14.6				65 psia	5 psia			Deliverability		Mcfd @ 14.65 psia				
The	ınders	•	d authority, on					-		to make t		ort and that he ha		rledge of
			Witness (if	any)						nn	len J	arrutt Company		
			For Commis								Che	cked by		

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the fore correct to the bes of equipment ins I hereby requ	going pressure information and statements contained on this application form are true and st 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. Lest a one-year exemption from open flow testing for the Zimbelman 34-13 rounds that said well:
	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 the to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: <u>8/17/10</u>	Signature: June Bundt 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.