Form G-2 (Rev. 7/03) RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

AUG 2 3 2010

Type Test:				ί,	See mstructi	ons on ne	V0136 0106	•/			<i>-</i> •••	0 2 3 20	
Open I Delive				Test Date	:				No. 15 023-21167-0	0-00	KCC	WICH	
Company Noble Energy, Inc.				Lease Zimbelman						Well Number 33-13			
County Location Cheyenne NW-SE-NW-SE			Section 13				RNG (E/W) 39W		Acres Attributed				
Field Cherry Creek Niobrara Gas Area					Reservoir Niobrara				Gas Gathering Connection Southern Star via Record Compressor				
Completion Date 12/2/2008					Plug Back Total Depth				Packer Set at				
Casing Size Weight 7", 4-1/2" 17#, 11.6#			Internal Diameter Set at							то 1282'			
ubing Size Weight			Internal D		190', 1474' Set at		Perforations		To				
2-3/8" 4.7# Type Completion (Describe)			1.995" 1313' Type Fluid Production			Pump Unit or Traveling Plunger? Yes / No							
Single (Gas) Producing Thru (Annulus / Tubing)				Saltwater % Carbon Dioxide				yes % Nitrogen			Gas Gravity - G		
ubing													
ertical Dept					Press	sure Taps				(ivieter)	Hull) (Pi	rover) Size	
•				10 at 11:00 (PM) Taken			20		at	_ at (AM) (PM)			
Vell on Line: Started 4/23/ 20			0 10 at 1	10 at 12:05 (AM) (PM) Taken				20 at (AM) (PI		AM) (PM)			
					OBSERVE	D SURFAC	E DATA	1		Duration of Shut-	<u>in</u> 25	Hours	
ynamic	Orifice Size nches) Circle one: Meter Prover Pressur psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Well H Temperature t		Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	, ·		
Shut-In		poig ()	11.01.00 11.20			psig 135	psia	psig	psia		<u> </u>		
Flow													
					FLOW STR	EAM ATTR	IBUTES						
Plate Coefficient (F _b) (F _p) Mcfd		Circle one: Meter or over Pressure psia	Press Extension P _m x h	Gravity Factor F _g		Flowing emperature Factor F _{II}	Fa	viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				(0.75)	0110 (DELIN			ATIONS					
(c) ² =	:	(P _w) ² =	. :	P _d =	OW) (DELIV) CALCUL P _c - 14.4) +		·		$r^2 = 0.2$ $r^2 = $		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ $(P_c)^2 - (P_w)^2$ $(P_c)^2 - P_w^2$ $(P_c)^2 - P_d^2$ $(P_c)^2 - P_w^2$ $(P_c)^2 - P_w^2$		LOG of formula 1. or 2. and divide p 2 p 2		Backpressure Curve Slope = "n" or Assigned Standard Slope				Antilog	Del Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			, ,										
Open Flow	pen Flow Mcfd @ 14.65 psia			65 psia	Deliverability		Mcfd @ 14.65 psia						
	lersigne	d authority, or			states that h		-	to make ti	he above repor	t and that he ha	as know	ledge of	
e facts state	ed there	in, and that sa	aid report is true	e and correc	t. Executed	this the	7 Λ	day of A	August			20 10 .	
		Witness (ii	f any)			-	Jer	mfe	L Ba	Mett			
		For Comm	desion				U	<u> </u>	Chec	ked by			

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request oder Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the fore	egoing 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
I hereby requ	tallation and/or upon type of completion or upon use being made of the gas well herein named. uest a one-year exemption from open flow testing for the Zimbelman 33-13
gas well on the g	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 ee 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.

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.