

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST FEB 2 0 2009 (See Instructions on Reverse Side)

Op	t: en Flow					(See Instruct	uons on me	verse Sia			(/ATTONDIVISIO CHITA, KS	
De	liverabil	ty			Test Date	e:				1 No. 15 -023-20845	-00-00	0000	e	
Noble E		/, Inc.					Lease Zimbe	lman			22-		lumber	
County Cheyenne		Location SE-NW			Section 31		TWP 3S		RNG (E	E/W)		Acres	Attributed	
Field Cherry	Creek	Niobrara	gas	area	Reservoi Niobra					thering Conne er Morgan vi		Compre	essor	
2/5/200					Plug Bac 1689 '	k Total Dept	th		Packer n/a	Set at				
Casing Size 7", 4-1/2"		Weight 17#, 10 .5#			Internal Diameter 9-7/8", 6-1/4"		Set at 309', 1729 '		Perforations 151		то 14' 1552'		•	
Tubing Size 2-3/8"		Weight 4.7 #		Internal D 1.995"		Diameter Set at 1,570'			Perforations		То	То		
Type Con Single ((Describe)			Type Flui Saltwa	d Production	1		Pump U	nit or Traveling No - Flo	wing	es / No		
-	Thru (Annulus / Tu	bing)		% C	Carbon Dioxi	de		% Nitro	gen	Gas	Gravity -	G,	
Tubing Vertical D	epth(H)					Pres	sure Taps				(Met	er Run) (Prover) Size	
Pressure	Buildup:	Shut in _	2/10/	2	08 at		(AM) (PM)	Taken		20 _	at		(AM) (PM)	
Well on Line:		Started 2	2/28/ 20 08 at			0.00						at (AM) (PM)		
						OBSERVE	D SURFAC	E DATA		(Ouration of Sh	nut-in	Hours	
Static / Orifice Dynamic Size Property (inches		Mete	Circle one: Meter Prover Pressure psig (Pm)		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)				uid Produced (Barrels)	
Shut-In		poig (i		Inches H ₂ 0			217	psia	psig	psla				
Flow														
						FLOW STR	EAM ATTR	IBUTES		,				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Grav Fact F _a	tor T	Flowing Temperature Factor F ₁₁		riation actor = _{pv}	Metered Flow R (Mcfd)	G((Cubic Bar	Feet/	Flowing Fluid Gravity G _m	
					(OPEN FLO	OW) (DELIVI	ERABILITY) CALCUL	ATIONS	<u> </u>		$P_a)^2 = 0.$	207	
(P _o) ² =		: (P _w)² =	:	P _d =	9	% (F	ੂ - 14.4) +	- 14.4 =	;		P _a) ² =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		nose formula 1 or 2. 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_w^2$	P _c ² - P _d ² LOG of formula P _c ² - P _d ² 1. or 2. and divide		P _c ² - P _w Backprr Slo			LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
			-									<u> </u>		
Open Flow				Mcfd @ 14.	.65 psia		Deliverability		Mcfd @ 14.65 psia					
		rein, and tha		report is true				Iall	o make the	ne above report TCDN We For Que	and that he	has know	wledge of 20 09.	
		For C	ommissi	on			_		-	Check	ed by			

	nder penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
	regoing pressure information and statements contained on this application form are true and
correct to the be	est of my knowledge and belief based upon available production summaries and lease records
	stallation and/or upon type of completion or upon use being made of the gas well herein named. quest a one-year exemption from open flow testing for the Zimbelman 22-31
	grounds that said well:
(Che	ock one)
(6/16	, 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
v	is not capable of producing at a daily rate in excess of 250 mcf/D
I further ag	ree to supply to the best of my ability any and all supporting documents deemed by Commissior
_	ary to corroborate this claim for exemption from testing.
Date: 2/19	109
	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.