KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:			1	(See Instruc	tions on Re	everse Side	θ)				
Open Flow Deliverability			Test Date	e:				No. 15 -023-20758	-00-00		
Company Noble Energy, Inc.			Lease Rueb Farm						Well Number 42-15		
County Location Cheyenne SE-NE			Section 15		TWP 3S			W).		Acres Attributed	
Field Cherry Creek	Niobrara g	as area	Reservoi Niobr a					hering Conne creek via Ar			
Completion Date 10/1/2007			Plug Bac 1644'	k Total Dept	th		Packer S n/a	Set at			
Casing Size Weight 7", 4-1/2" 17#, 9.5#			internal (9-1/4",		Set at 308', 1690'		Perfo	rations 15(To	1566'	
Tubing Size n/a	ze Weight		Internal Diameter		Set	Set at Perfo		rations	То		
Type Completion Single (Gas)	(Describe)		Type Flui Saltwa	d Production	n		Pump Ur	No -Flo	Plunger? Yes	/ No	
Producing Thru (A	Annulus / Tubin	g)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gr	avity - G _g	
Vertical Depth(H)				Pres	sure Taps				(Meter I	Run) (Prover) Size	
Pressure Buildup:	Shut in4/2	1/ 2	08 at 8	:00	(AM)(PM)	Taken		20	at	(AM) (PM)	
Well on Line:	Started 4/2		08 at 8		(PM)				at		
	4.	<u> </u>		OBSERVE	D SURFAC	E DATA			Ouration of Shut-		
Static / Orifice Dynamic Size Property (inches) Circle one: Meter Prover Pressur psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	mperature (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Shut-In	poig (i iii)	IIICHES II ₂ U			156	psia	psig	psia			
Flow											
		I		FLOW STR	EAM ATTR	IBUTES					
Plate Coefficient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Grav Fact F _g	' Т	Flowing emperature Factor F ₁₁	1	lation ctor	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
			(OPEN FLO	OW) (DELIVE	ERABILITY) CALCUL	ATIONS		(2.10		
(P _c) ² =	(P _w) ² =	:	P _d =			, _c - 14.4) +		;	(P _d) ² (P _d) ²	= 0.207 =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _e ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by:	P.2- P.2	Slo	ssure Curve pe = "n" - or signed ard Slope	n x L	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		·									
Open Flow	ow Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia			
The undersign		id report is true	and correct	. Executed t	this the _	5th,	make the	e above report Mark For Corr	and that he has	s knowledge of	
	For Comm			—MAR (0 6 2009		7	Checke	d by		

exempt status under and that the forego correct to the best of equipment instal	r 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. bing 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 lation and/or upon type of completion or upon use being made of the gas well herein named. St a one-year exemption from open flow testing for the Rueb Farm 42-15							
gas well on the gro	ounds that said well:							
(Check	·							
	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							
_	to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.							
Date: 3/5/	29							
	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.