KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					6	See Ins	structi	ons on Re	verse Sid	de)							
Op	en Flo	w				Test Date						API N	o 15					
De	liverat	oilty				iesi Daie	1.						3-20974	-00-0	0			
Company Noble Energy Inc					Lease Rueb Farm									Well Number 14-16				
County Location . Cheyenne SW/SW				Section 16			TWP 3S			RNG (E/W) 42W			Acres Attributed					
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Conne Kinder Morgan				nectio	n						
Completion Date 4/8/2008					Plug Bac 1740'	k Total	Depti	1			Packer Set at							
Casing Size Weight 7", 4-1/2" 17#, 10.5#				Internal Diameter 9-7/8", 6-1/4"			Set at 312, 1784			Perforations 1536'			то 1580'					
ubing Si 2-3/8"	ize		Weig 4.7#		Internal Diameter 1.995			Set at			Perforations			То				
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater						Pump Unit or Traveling Yes Rod Pu			Plunger? Yes / No					
Producing Thru (Annulus / Tubing) Tubing					% C	% Carbon Dioxid			e			1	,,,,,	Gas Gravity - G				
Vertical Depth(H)						Pressure Taps				(Meter Run) (Prover) Size								
Pressure Buildup:			Shut in 3/	14	2	0_13_at_1	13 at 11:00 13 at 12:00		(PM) Taken			20			at		(AM) (PM)	
Well on Line:		;	Started 3/15		20	13 at 1			(AM) PM Taken_			20			at		(AM) (PM)	
	,						OBSE	RVE	D SURFAC	E DATA				Dur	ation of Shut-i	_n _25	Hours	
Static / Dynamic Property	ynamic Size		Prover Pressu		Pressure Differential In	Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)			Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)		
Shut-In			psig (Pr	"	Inches H ₂ 0	- <u>-</u>			psig 79	psia	1	psig	psia	\dagger				
Flow						-												
							FLOW	STR	EAM ATT	RIBUTES							,	
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Fac	Gravity Factor F ₉		Flowing Temperature . Factor F ₁₁		Deviation Factor F _{pv}		or R		v GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
						(ODEN EL	OW) (D		FOARUITS	/\ CA\ CI	ti A'	TIONE						
P _c)² =		_:_	(P_) ²	=	<u> </u>	OPEN FL Pa=	, ,	,ELIVI		P _e - 14.4)			<u>;</u>		(P _a) ² (P _d) ²	= 0.2	07 	
$(P_c)^2 - (P_b)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _u) ²			ose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2.p2		Backpressure Curv Slope = "n" or Assigned Standard Slope			n x LOG			Antilog		Open Flow Defiverability Equals R x Antilog (Mcfd)	
		ļ							<u> </u>			<u> </u>		-				
Open Flow					65 neig	5 osia		Deliverability		· · ·			Mof	Mcfd @ 14.65 psia				
-			<u>~~~~</u>							•						-		
		_	-		ehalf of the							make the ay of De		oort a	nd that he ha		ledge of 20 <u>13 .</u> .	
	Juleu		, who that	July	, oport io trut	voilet	<u>-</u> ~ 0				_ ~	-, -·· <u></u>						
			Witnes	s (if an	y)								Fo	r Compa		 '	~ 111//	
			For Co	mmissi	on								C	ecked t	by	-DE	C 3 1 2 (
																F	RECEIVI	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request										
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc									
	t the foregoing pressure information and statements contained on this application form are true and									
	to the best of my knowledge and belief based upon available production summaries and lease records									
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.										
	reby request a one-year exemption from open flow testing for the Rueb Farm 14-16									
jas wei	I on the grounds that said well:									
	(Check one)									
	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									
.,	ul and the state of the state o									
	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission									
statt as	necessary to corroborate this claim for exemption from testing.									
Date: _1	2/26/2013									
	·									
	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.

DEC 3 1 2013 RECEIVED