KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				,	(See Instruc	tions on Re	erse Side	9)			
	en Flo eliverab					Test Date) ;				No. 15 - 21123-00- (00	
Company Noble E		Inc.						Lease Keller F	arms			24-12	Vell Number
County Cheyeni	ne		Location NW-NE-SE-SW			Section 12		TWP 2S		RNG (E/W) 39W		Acres Attributed	
Field Cherry (Creek	Niobr	ara Gas	Area	l	Reservoir Niobrara					hering Conn rn Star via F	ection Record Compres	ssor
Completion 11/13/20		е				Plug Bac 1426'	k Total Dep	th		Packer S n/a	et at		
Casing S 7", 4-1/2			Weight 17#, 10.5#			Internal E 9-7/8",		Set at 190', 1462'		Perforations 1251'		то 1278'	
Tubing Size 2-3/8"			Weight 4.7#			Internal Diameter 1.995"		Set at 1,296'		Perforations		То	
Type Cor Single (cribe)				d Production	n		Pump Ur No	it or Traveling	Plunger? Yes	/ No
			ılus / Tubir	ng)		% C	arbon Dioxi	ide		% Nitrog	en	Gas Gra	ıvity - G _g
Vertical E	Depth(H	1)					Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p: Si	nut in	/18/	2	08 at		(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line:		SI	Started <u>1/19/</u>		20 <u>09</u> at <u>3:40</u>		:40	(AM)(PM) Taken			20	at	(AM) (PM)
							OBSERVE	D SURFACE	DATA			Duration of Shut-i	n_1,488 _{Hou}
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm)		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P ₁) or (P ₂) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			, , , ,		2			308	para	psig	psia		
Flow													
				Y			FLOW STR	REAM ATTR	BUTES				
Plate Coefficient (F _b) (F _p) Mcfd		M	Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fact F _s	or	Temperature		Deviation Metered Factor R F _{pv} (Mcf		w GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
(D)2 -			(P _w) ²			(OPEN FLO		'ERABILITY)			•	$(P_a)^2$ $(P_d)^2$	= 0.207
$(P_c)^2 = {(P_c)^2 - (P_c)^2 - $	P _a) ²		2- (P _w)2	Choo 1	se formula 1 or 2: , P _c ² - P _a ² , P _c ² - P _d ² d by: P _c ² - P _w ²	LOG of formula 1. or 2.	P.2. P.2	Backpres Slop Ass	ssure Curve ee = "n" or signed ard Slope	, n x 1	ГЛ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w	•••			Mcfd @ 14.6	65 psia		Deliverab	ility			Mcfd @ 14.65 psia	3
						and correc	t. Executed	this the 9t	h C	o make the		ort and that he has	s knowledge of, 20 <u>09</u>
			Witness	(if any)		OCT 1	2009				Company	
			For Com	missio	n	* 1.	CC WI	3 2009 CHITA			Che	cked by	

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that t	he foregoing pressure information and statements contained on this application form are true and
correct to	the best of my knowledge and belief based upon available production summaries and lease records
	ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for theKeller Farms 24-12
	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
I furth	er agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ne	ecessary to corroborate this claim for exemption from testing.
Date: _10/	9/2009
	Signature: Mun JoSe A
	Title: Regulatory Specialist
	Iffe: Regulatory Opecialist

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.