KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Open Flo	0111			,			V0130 0100	,			
Open Fig				Test Date	:				No. 15 023-21003-0	0-00	
Company Noble Energy Inc					Lease Feikert				······································	21-1	Well Number
County Location Cheyenne SW-NE-NW			Section 1		TWP 4S			W)		Acres Attributed	
Field Cherry Creek			Reservoir Niobrara					thering Conne Star/Kinder M		RECEIV	
Completion Date				Plug Bac 1615'	k Total D	epth		Packer	Set at		RECEIV DEC 05 KCC WICH
Easing Size Weight 7, 4 1/2" 17#, 11.6#			Internal D 9 7/8",			Set at 265', 1649'		Perforations 1472'		KCC WICH	
Tubing Size Weight 2.3/8" 4.7#			Internal D	Diameter		Set at 1510'		Perforations		- THO	
Type Completion (Describe) Single (gas)				Type Flui Saltwa		tion		Pump U yes	nit or Traveling	Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Fubing				% C	% Carbon Dioxide			% Nitrog	gen	Gas G	ravity - G _s
/ertical Depth((H)		**************************************		Pi	ressure Taps				(Meter	Run) (Prover) Size
Pressure Build	up:	Shut in6/2	26 2	12 _{at} 2	:00	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Line: Started 6/27 20				12 at 2:30							
••					OBSER	VED SURFAC	E DATA			Duration of Shut	-in_24.5 Hours
Oynamic Si	ifice ize hes)	e Prover Pressure in		Flowing Temperature t	Well Hea Temperat t	wre (P _w) or (Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing ead Pressure or (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In		psig (riii) Inches H ₂ 0			184	psia	psig	psia		
Flow											
			· T · · · · · · · · · · · · · · · · · ·		FLOW S	TREAM ATT	RIBUTES				· · · · · · · · · · · · · · · · · · ·
Plate Coeffiecient (F _b) (F _p) Mcfd	Pro	Circle one: Meter or Prover Pressure psia		Gravity Factor F _g		Flowing Temperature Factor F _{f1}	Fa	Deviation Metered R Factor R F _{pv} (Mcfc		GOR (Cubic Fi Barrel	eet/ Fluid Gravity
P _c) ² =	<u></u> :	(P _w) ²	=:	(OPEN FL		LIVERABILIT' % (/) CALCUL P _c - 14.4) +		:) ² = 0.207) ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$	(F	(P _c) ² - (P _w) ² 1.		is formula 1 or 2: P ₂ ² - P ₃ ² P ₂ ² - P ₃ ² P ₂ ² - P ₃ ² It or 2: and divide by:		Backpr Slo	Backpressure Curve Slope = "n" or Assigned Slandard Slope		og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow			Mcfd @ 14	65 psia		Delivera	bility			Mcfd @ 14.65 ps	sia
	rsigne	d authority,			states tha			o make t			as knowledge of
e facts stated	there	in, and that	said report is tru	e and correc	t. Execu	ted this the	30	day of _	lovember		, ₂₀ <u>12</u> .
											
		Witness	(It anv)						ForC	ompany	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Feikert 21-1 gas well 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 further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing.
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.