KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruc	tions on Rev	erse Side)					
Open F			Test Date	Test Date: API No. 15									
Deliver			15-023-20228 ~ 00 ~ CO										
Company Noble Energy, Inc.					Lease Raile				Well Number 1-11				
County Location Cheyenne SW-NE			Section 11		TWP 3S		RNG (E/W) 42W			Acres Attributed RECE/\			
Field Cherry Creek			Reservoir Niobrara	a		Gas Gathering Kinder Morgar			ection	DEC KCC N	05 21		
Completion Date 4/26/1985			Plug Bac 1680	k Total Dep	th	Packer Set at		Set at		KCC	- 4.(
Casing Size Weight 7", 4+1/2" 17#, 9.5#			Internal [9+7/8",		Set at 353, 1690		Perforations 1558		То 1580	Το 1580			
Tubing Size	ubing Size Weight		Internal Diameter		Set at		Perforations		То		~ !!.!!		
2+3/8" 4.7#			1.995		1520)' 							
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No yes				
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrog	jen	Gas Gr	Gas Gravity - G _g		
tubing Vertical Depth	3(H)				Pressure Taps					(Meter I	Run) (Prover) Si		
vertical Depti	1(11)				1103	suic taps				(IMELEI I	nun) (Flover) Şi	120	
Pressure Build	dup:	Shut in3/12	2	0_12_at_2	:30	(AM) (PM)	(AM) (PM) Taken		20		(AM) (PN	/I)	
Well on Line: Started 3/13 20				0at3	12 at 3:15 (AM) (at (AM) (PM)		
					OBSERVE	D SURFACE	DATA			Duration of Shut-	24.75 _H	ours	
Static / O	rifice	Circle one: Meter	Pressure	Flowing	Well Head	Casi	~		Tubing		Liquid Produced		
Dynamic Size Property (inches		Prover Pressure	1	Temperature t	Temperature t	Wellhead Pressure (P _w) or (P _t) or (P _c)		1	ead Pressure or (P _t) or (P _c)	Duration (Hours)	(Barrels)	ea	
Shut-In		psig (Pm)	Inches H ₂ 0	<u></u>		psig 143	psia	psig	psia			-	
						143							
Flow													
Dista		Circle one:			FLOW STE	Flowing	BUIES				Floris		
Plate Coefficient (F _b) (F _p) Mcfd		Meter or rover Pressure psia Press Press Extension ✓ P _m x h		Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	Gravit	ĭ	

P _c) ² =	;	(P _w) ² =	:	(OPEN FL		'ERABILITY) % (P	CALCUL		;	(P _a) (P _d)	² = 0.207 ² =		
		Choose formula 1 or 2:		•			Backpressure Curve			, 0,	Open Flow		
or $(P_c)^2 - (P_d)^2$		$(P_c)^2 - (P_w)^2$ 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$		formula 1. or 2. and divide by: P 2 - P 2 w		Slope = "n" or Assigned Standard Slope		_ n x LOG		Antilog	Deliverability		
			in ic w	-									
Open Flow			Mcfd @ 14.	SE pois		Deliverabi	::i:			Mcfd @ 14.65 psi	io		
· · · · · · · · · · · · · · · · · · ·				,			•						
	-	d authority, on n, and that said				-			he above repo lovember	rt and that he ha	us knowledge of , 20 <u>12</u>		
			-					-					
Witness (if any)							For Company						
		For Commis	sion			_			Chec	ked by			

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 Raile 01-11											
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.											
Date: 11-30-2012											
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.