KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(-	See Instructi	ions on Reve	rse Side,)					
	en Flo liverab				Test Date	r:				No. 15 023-20089-00	0-00			
Company Noble Energy Inc			Lease Rueb						1-16	Well Number 1-16				
County Cheyenne			Location W/2-W/2-E/2-NW/4		Section 16		TWP 3S		RNG (E/W) 42W		Ā	Acres Attributed		
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connection Kinder Morgan			************			
Completion Date 3/1/1979				Plug Back	Plug Back Total Depth			Packer S						
Casing Size 4-1/2"			Weight 9.5#		Internal Diameter 6-1/4"		Set at 1687'		Perforations 1569'		то 1587'	=		
Tubing Size 2-3/8"			Weight 4.7#		Internal Dia 1.995		ameter Set at 1569'		Perforations		То			
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Yes						
		(Anr	nulus / Tubing)		arbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G	9	
Vertical D	epth(F	()			.	Pres	sure Taps		·		(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	p: :	Shut in2/23	<u> </u>	0 11 at 1	2:00	(AM) (PM) T	aken		20	at	(AM) (PM)	
Well on L	ine:	;	Started 2/24	2	0 <u>11</u> at <u>3</u>	:00	(AM) PM T	aken		20	at	(AM) (PM)	
				7	г -	OBSERVE	D SURFACE			· · · · · · · · · · · · · · · · · ·	Duration of Shut-	in _27	Hour	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressul psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature t t		Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing Wellhead Pressure (P _e) or (P _t) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In							100	paid	parg	рыа	·			
Flow	<u> </u>					<u> </u>								
	1					FLOW STR	REAM ATTRIE	BUTES		· · · · · · · · · · · · · · · · · · ·				
Plate Coeffiecient (F _B) (F _B) Mcfd		Pro	Circle one: Meter or iver Pressure psia	Press Extension Pmxh	Extension Fact		Flowing Temperature Factor F ₁₁	Deviation Factor F		Metered Flow R (Mctd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G	
					,								<u> </u>	
(P _c)² =		_:	(P _w) ² =	:	(OPEN FL P _d =	- •	'ERABILITY) % (P_		_ATIONS - 14.4 =	;		² = 0.2	07	
$(P_q)^2 - (P_p)^2$ or $(P_q)^2 - (P_d)^2$		(F	P _e) ² - (P _w) ²	2. P ₂ -P ₂ 2. P ₂ -P ₂ tivided by: P ₂ -P ₂	LOG of formula 1, or 2, and divide		Backpressure Curve Slope = "n" Or- Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
	;													
Open Flow		Mcfd ② 14.65 psia					Deliverabil	Deliverability		Mcfd @ 14.65 psia				
				id report is tru	e and correc		VED 10 27			December //	ort and that he h		rledge of 20 11	
			For Comm			CC WIC			<i>''</i>	i	cked by			

	re under penalty of perjury under the laws of the state of Kansas that I am authorized to request						
	us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc						
and that the	e foregoing pressure information and statements contained on this application form are true and						
correct to th	e best of my knowledge and belief based upon available production summaries and lease records						
of equipmer	nt installation and/or upon type of completion or upon use being made of the gas well herein named.						
I hereby	y request a one-year exemption from open flow testing for the Rueb 1-16						
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						
	r agree to supply to the best of my ability any and all supporting documents deemed by Commission						
staff as nec	essary to corroborate this claim for exemption from testing.						
Date: 12/27	7/2011						
	Signature: Chery Cohingen						
	Title: Regulatory Analyst II						

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.

JAN 1 7 2012 KCC WICHITA