KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	;				0	See Instruct	tions on Rev	erse Side	?)						
= :	en Flo liverat				Test Date	: :				No. 15 123-20749-0	0-00				
Company Noble Energy Inc					Lease Rueb Farm							Well Number 14-15			
County Cheyenr				Location SW-SW-SW		Section 15		TWP 3S		RNG (E/W) 42W		Acres Attributed			
Field Cherry Creek					Reservoir					Gas Gathering Connection Kinder Morgan			RECEIVE		
Completion Date 1/22/2008				Plug Back Total Depth		n		Packer Set at			į				
Casing Si 7", 4-1/2	ize		Weigh 20#,		Internal Diameter 9-7/8", 6-1/4"		Set at 307', 1735'		Perforations 1516'		To 155	2' KC	DEC 2 0 2 CWICH		
Tubing Si 2-3/8"			Weigh 4.7#		Internal I 1.995				Perforations		То	<u> </u>	'C WICH		
Type Con Single (n (De				d Production			Pump Uni Yes	t or Traveling	Plunger? Ye	s / No			
Producing		(An	nulus / Tubing))		% Carbon Dioxide				% Nitrogen			Gas Gravity - G _g		
Tubing Vertical D	epth(l	H)				Pressure Taps					(Met	er Run) (i	Prover) Size		
Pressure	Builde	IID.	Shut in 10/9	92	n 12 _{at} 3	:45	(AM) (PM)	Takon		20	at	····	/AM) (PM)		
Well on L			Started 10/			:45					at				
					,	OBSERVE	D SURFACE	DATA			Duration of Sh	ut-in24	4 Hours		
Static / Dynamic Property	Orif Siz (inct	e	Circle one: Meter Prover Pressu	1	Flowing Temperature t	Well Head Temperature t	(P _w) or (P	Pressure	Wellhea (P _w) or	ubing d Pressure (P _t) or (P _c)	Duration (Hours)	Liqu	uid Produced (Barrels)		
Shut-In			psig (Pm)	Inches H ₂ 0		:	psig 138	psia	psig	psia	,				
Flow											·				
						FLOW STF	REAM ATTRI	BUTES			+				
Plate Coeffied (F _b) (F Mofd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperature Factor F _{rt}	Fa	riation actor	Metered Flow R (Mcfd)	(Cubic Bar	Feet/	Flowing Fluid Gravity G _m		
							•								
(P _c) ² =		;	(P) ² =	:	(OPEN FL	* -	'ERABILITY) % (P		.ATIONS - 14.4 =	:		$P_a)^2 = 0.$ $P_d)^2 =$.207		
(P _c) ² - (I	۵٠	(F	P _c) ² · (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide		Backpres Stop Ass	ssure Curve be = "n" or signed ard Slope	e n x L	ГЛ	Antilog	C De	Open Flow eliverability als R x Antilog (Mcfd)		
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65	psia			
		•	•	n behalf of the			•			·	rt and that he		wledge of , 20 <u>12</u> .		
			Witness (i	fany)						For C	Company				
			For Comm	ission			-			Chec	sked by				

Lo	colors under populty of periury under the laws of the state of Kappas that Lam authorized to request
	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request t status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Noble Energy Inc</u>
	at the foregoing pressure information and statements contained on this application form are true and
orrec	t to the best of my knowledge and belief based upon available production summaries and lease records
	pment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Rueb Farm 14-15
	ell 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
l fi	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissi
taff a	s necessary to corroborate this claim for exemption from testing.
)ate: _	12/17/2012
	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.