## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(	See Instruct	ions on Rev	ersa Side	)					
	en Flo Ilverat				Test Date	<b>a</b> :				No. 15	0.00			
Company Noble Energy Inc					Lease Rueb Farm			15-023-20975-00-00			Well Number 24-16			
County			Location SE-SW	on	Section 16	<u> </u>	TWP 3S		RNG (E	(W)	4.7.1		Attributed	
Field Cherry C	Creek				Reservoir Niobrara					hering Conne Morgan	ection			
3/11/200	tion Date Plug Back Total Depth Packer Set at		<del></del>		· · · ·	·								
Casing Size 7", 4-1/2"			Weight 17#, 1		Internal Diameter 9-7/8", 6-1/4"		Set at 321', 1726'		Perforations 1516'		To 155	то 1554'		
Tubing Si 2-3/8"	Zθ		Weight 4.7#		internal C 1.995	Diameter Set at			Perfo	rations	То	То		
Type Con Single (			escribe)		Type Flui Saltwa	d Production ter	1		Pump U	nit or Traveling	Plunger? Ye	s / No		
Producing Tubing	Thru	(An	nulus / Tubing	)	% C	arbon Dioxi	de		% Nitrog	jen	Gas	Gravity -	G,	
Vertical D	epth(l	<del>1</del> )			<del>-</del>	Pres	sure Taps				(Met	er Run) (P	rover) Size	
Pressure	Buildu	•	Shut in5/11	<del></del> 2	0 11 at 3		(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on L	ine:		Started 5/13	3 20	11 at 1	1:00	(PM)	Taken		20	at	<del></del>	(AM) (PM)	
						OBSERVE	D SURFACE	E DATA			Duration of Sh	ut-in 44	Hours	
Static / Oynamic Property	Orifi Siz (inch	•	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature I	Well Head Temperature t	Cas Wellhead (P, ) or (P	Pressure	Wellhe	Tubing ead Pressure or (P <sub>1</sub> ) or (P <sub>2</sub> )	Duration (Hours)		id Produced (Barrels)	
Shut-In							169		parq	USIA				
Flow									<u> </u>					
					1	FLOW STR	EAM ATTR	BUTES					<del></del>	
Plate Coeffied (F <sub>b</sub> ) (F Mold	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension Paxn	Fact	Gravity Flowing Deviation Metered Flow GOR Factor Factor Factor F <sub>1</sub> , F <sub>p</sub> , (Mcfd) Barrel)		Feet/	Flowing Fluid Gravity G <sub>m</sub>					
<u> </u>	!											<del></del>		
(P <sub>e</sub> )² =		<u>:</u>	(P <sub>w</sub> )² ≈	<u>.</u> :	P <sub>d</sub> =		ERABILITY	) CALCUL ) - 14.4) +		:		$(P_a)^2 = 0.5$ $(P_a)^2 = 0.5$	207	
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (I	_	(F	P <sub>e</sub> ) <sup>2</sup> • (P <sub>w</sub> ) <sup>2</sup>	Chaose formula $f$ or $2$ 1. $P_0^2 - P_2^2$ 2. $P_0^2 - P_0^2$ advided by: $P_0^2 - P_0^2$	LOG of formula 1, or 2, and divide	P.2. P.2	Stop	ssure Curve be = "n" or signed ard Slope	٦,	roe	Antilog	De	pen Flow diverability is R x Antilog (Mcfd)	
									_			_		
Open Flo	w	<u> </u>		Mcfd @ 14.	65 psia	_	Deliverab	ility			Mcfd @ 14.65	psia		
The	unders	igne	d authority, or	behalf of the	Company, s	states that h	e is duly au	ıthorized	to make t	he above repo	ort and that he	has know	wledge of	
the facts s	tated (	there	in, and that sa	id report is true	and correc	· RECE	IVED 2	7	day of _	December	1- /	<del></del> '	20 11 .	
<del></del>			Witness (il	any)		JAN 1	7 2012	<u> </u>	<u>Lei</u>	yl /	OKIA Company	son		
<del></del>			For Commi	ission	K		CHITA	-	<u>v</u>	Che	cked by			

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	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 Noble Energy Inc
	at the foregoing pressure information and statements contained on this application form are true and
	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.
l he	ereby request a one-year exemption from open flow testing for the Rueb Farm 24-16
gas we	Il 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
	Is not capable of producing at a daily rate in excess of 250 mc/rb
l fu	orther 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:	12/27/2011
	Signature: Chery Ash
	Title: Regulatory Analyst 1
	Title.

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.

RECEIVED
JAN 1 7 2012
KCC WICHITA