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

	:: en Flo liverab				( Test Date		ctions on Re	verse Sid	API	No. 15	00.00		
Company Noble Energy Inc				_	Lease Keller Farms				15-023-21024-00-00 Well Number 14-7				
County Location Cheyenne SW-SW-SW				Section TWP 7 2S				RNG (E.	/W)		Acres Attributed		
Field Cherry Creek				Reservoi	Reservoir Niobrara			Gas Ga	thering Conn ern Star	ection		-	
				Plug Bac 1362'	Plug Back Total Depth 1362'				Set at				
Casing Size Weight 7", 4-1/2" 17#, 9.5#				Internal [ 9-7/8",			Set at 169, 1384'		rations 4'	то 1210'	то 1210'		
Tubing Size 2-3/8"			Weight 4.7#		Internal [	Internal Diameter 1.995		Set at 1231'		rations	То		
			Type Flui	Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes /					
		(Anı	nulus / Tubing	))		Carbon Diox	cide		% Nitrog	jen	Gas G	ravity - G	, ,
Vertical C	epth(F	<del>-</del> 1)			_	Pre	ssure Taps			, <u> </u>	(Meter	Run) (Pr	over) Size
Pressure	Buildu	p: .	Shut in	2 2	0_13_at_1	1:00	(AM) (PM)	Taken			at		AM) (PM)
Well on Line:			Started 12/3								t (AM) (PM)		
						OBSERV	ED SURFAC	E DATA			Duration of Shut	-in 24	Hours
Static / Dynamic Property	amic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Temperature Tempe		wellhead Pres (P <sub>*</sub> ) or (P <sub>1</sub> ) or		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$ psig psia		Duration (Hours)	7	
Shut-In					-		157	psia	paig	рза			
Flow									<u> </u>		<u> </u>		
Plate	,		Circle one:	Press	Grav		REAM ATTR		viation	Metered Flor	w GOR		Flowing
Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or over Pressure psia	Extension ✓ P <sub>m</sub> x h	Fac F	tor	Temperature Factor F <sub>1</sub> ,	emperature Factor		· R (Mcfd)	(Cubic Feet/ Barrel)		Fluid Gravity G <sub>m</sub>
L													
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FL	• •	VERABILITY _% (F	•	LATIONS + 14.4 =	:		) <sup>2</sup> = 0.20	07
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup> 1		1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> P <sub>a</sub> <sup>2</sup> LOG of formula 2. P <sub>c</sub> <sup>2</sup> P <sub>d</sub> <sup>2</sup> 1. or 2.		Backpre Slo 	Backpressure Curve Slope = "n"		LOG	Antilog	Op Deli Equals	en Flow verability R x Antilog Mcfd)
				divided by: $P_c^2 - P_w^2$	by:	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Starto	ara olopa		· ·		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	,
Open Flo				Mcfd @ 14.	65 psia		Deliverat	oility			Mcfd @ 14.65 ps	sia	
		•	•				he is duly a	uthorized		•	ort and that he h		edge of
uie iacis S	iaieu I	. IC ( <b>6)</b>	m, and mai \$2	aid report is true	and correc	i. Execute	o uns ute <u>.~</u>		uay of				WICHI
·	· ·····		Witness (if	any)	<del></del>		-			For	Company		3 1 2013
		<u>-</u>	For Comm	ission			-			Che	cked by		CEIVE

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	the foregoing pressure information and statements contained on this application form are true and
	the best of my knowledge and belief based upon available production summaries and lease records nent installation and/or upon type of completion or upon use being made of the gas well herein named.
	by request a one-year exemption from open flow testing for the Keller Farms 14-7
	on the grounds that said well:
jas wen c	in 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
	ner agree to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as n	ecessary to corroborate this claim for exemption from testing.
Date: <u>12</u>	<u>/27/13</u> .
	Signature: Cleur Lakuson
	Signature: () Cecy Control of the Co

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.

DEC 3 1 2013