KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	:				{	See msn	uctions on Re	verse siuc	7			
	en Flow liverabil				Test Date) ;				No. 15		
Company							Lease		15-	023-21067-00		Well Number
Noble Energy Inc				Keller Farms				41-13				
County Location Cheyenne W2-NE-NE-NE			Section 13		TWP 2S			/W)		Acres Attributed RECEIV		
Field Cherry Creek				Reservoi Niobrara				Gas Gathering Conne Southern Star		otion	DEC 05	
Completion Date 11/12/2008				Plug Bac 1318'	k Total D	epth	l		Set at		KCC WICH	
asing Size Weight ", 4-1/2" 17#, 9.5#			Internal (9-7/8",			Set at 119',1359'		orations 5'	то 1192'			
Fubing Size Weight 2-3/8" 4.7#			Internal (1.995	Diameter		Set at 1214'		Perforations				
Type Completion (Describe) Single (gas)				Type Flui Saltwa		tion		Pump Unit or Traveling Yes		Plunger? Yes	/ No	
roducing	Thru ((Annulus / Tu	ubing)		% C	arbon D	oxìde		% Nitro	gen	Gas G	ravity - G _g
Vertical Depth(H)				Pressure Taps						(Meter	Run) (Prover) Size	
Pressure	Buildup		8/15	20	12 at 1	1:15	(AM) (PM)	Taken		20 _	at	(AM) (PM)
Well on Line: Started 8/16			20	12 at 1	1:15	_					(AM) (PM)	
						OBSEF	VED SURFAC	E DATA			Ouration of Shut	-inHours
Static / Dynamic Property	Orific Size (inche	Meter Diff		Pressure Differential in Inches H ₂ 0	Flowing Well He Temperature t		ture (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In		1113		2			107	psia	psig	psia		
Flow								,				
						FLOW	TREAM ATTR	IBUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	sion Factor		Flowing Temperature Factor F _{rt}	Fa	Deviation Meter Factor F		GOR (Cubic Fe Barrel)	eet/ Fluid Gravity
P _c) ² =		_: (P,	v)² =	:	(OPEN FL		LIVERABILITY % (F) CALCUL ² c - 14.4) +		:	_) ² = 0.207) ² =
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		toose formula 1 or 2: 1. $P_o^2 \cdot P_a^2$ LOG of formula 2. $P_c^2 \cdot P_d^2$ tormula 1. or 2. and divide by:		P _c ² - P _w	P _c ² -P _w ² Backpressi Slope or Assig Standard		l n x	rog	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
			-									
Open Flor	w			Mcfd @ 14.6] S5 psia		Deliverat	oility			1cfd @ 14.65 ps	sia
·		gned authori	y, on t			states tha			o make t		· · · · · · · · · · · · · · · · · · ·	as knowledge of
e facts s	tated the	erein, and th	at said	report is true	and correc	t. Execu	ted this the 3	0	day of _	November		, 20 12
		Witr	ness (if ar	ry)						For Co	mpany	

exempt status under R and that the foregoing correct to the best of m of equipment installation	enalty of perjury under the laws of the state of Kansas that I am authorized to request ule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc pressure information and statements contained on this application form are true and by knowledge and belief based upon available production summaries and lease records on and/or upon type of completion or upon use being made of the gas well herein named. one-year exemption from open flow testing for the Keller Farms 41-13
(Check one) is a is a is a	
_	supply to the best of my ability any and all supporting documents deemed by Commission corroborate this claim for exemption from testing.
Date: _11/30/2012	
	Signature:

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.