KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test	:					(See Instruct	ons on nev	rerse side	<i>=)</i>				
	en Flo liverab					Test Date) :				No. 15	0.00		
Company Noble E	,							Lease Keller F	arms	15-	023-21202-0		Well Number	-
County Location Cheyenne SE-SE-NW-NE					Section 18		TWP 2S			RNG (E/W) 38W		Acres Attributed	 	
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Conne Southern Star		ection	Acres Attributed REC DEC 0 KCC WI	EIV LE	
Completion Date 1/9/2009					Plug Bac 1479'	Plug Back Total Depth 1479'			Packer Set at			KCC	- J	
Casing Size Weight 7", 4-1/2" 17#, 1					6#	Internal E 9-7/8",				Perforations 1268'		то 1310'	······································	Ch
Tubing Size Weight 2-3/8" 4.7#				Internal D	Diameter		Set at 1332'		Perforations					
Type Completion (Describe) Single (gas)						Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Yes			-		
Producing	Thru	(Ann	nulus / Tub	ing)		% C	arbon Dioxid	de		% Nitrog	en	Gas Gr	avity - G _g	~
/ertical D	epth(F	1)					Press	sure Taps				(Meter I	Run) (Prover) Size	***
Pressure	Buildu		Snut in	20	2	12 at 9	:30	(AM) (PM)	Taken		20	at	(AM) (PM)	-
Vell on L	ine:	:	Started 8/	21	20	12 at 1	2:30	(AM) (PM)	Taken	***	20	at	(AM) (PM)	
							OBSERVE	D SURFACI	E DATA	,		Duration of Shut-	in 27 Hour	s ¬
Static / Dynamic Property	amic Size		Meter Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	emperature Wellhead P		(P _w) or (P _i) or (Duration (Hours)	Liquid Produced (Barrels)	
Shut-In								82	psia	poig	pola			
Flow														
DI-1-			Circle one:	$\overline{}$			FLOW STR		IBUTES	·		,		٦
Plate Coeffiecient $(F_b) (F_p)$ Mcfd		Meter or Prover Pressure psia			Press Extension P _m xh	Grav Fact F _g	tor Temperature		Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
) ² =		•	(P)²	_	<u>:</u>	•	OW) (DELIV			ATIONS - 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		Choc	coose formula 1 or 2: 1. $P_c^2 \cdot P_s^2$ LOG of formula 2. $P_c^2 \cdot P_d^2$ L. or 2. and divide by: $P_c^2 \cdot P_w^2$ by:		Backpress Slope P 2 Assi		ssure Curve De = "n" Or signed ard Slope	n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo				<u> </u>	Mcfd @ 14.	65 psia		Deliverab	ilitv			Vlcfd @ 14.65 ps	<u>l</u> ia]
		ignec	authority,	·		-	states that h		-	to make th		t and that he ha		-
e facts s	tated t	herei	n, and that	said	report is true	and correc	t. Executed	this the 30	<u> </u>	day of N	ovember		, 20 12	
			Witnes	s (if any	<i>y</i>)						For C	ompany		_
<u> </u>			For Cor	nmissio	n			_			Chec	ked by		-

exempt status under R and that the foregoing correct to the best of n of equipment installation	enalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. In pressure information and statements contained on this application form are true and any 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. If one-year exemption from open flow testing for the Keller Farms 31-18
is a	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER on vacuum at the present time; KCC approval Docket No not capable of producing at a daily rate in excess of 250 mcf/D 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.