RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:			(See Instructions on Reverse Side)									
Open Flow Deliverability					Test Date:					No. 15 023-21025-0	0-00		
Company Noble Energy Inc					Lease Keller Farms							Well Number 22-7	
County Location Cheyenne E2-W2-			on Section -SE-NW 7			TWP 2S		RNG (E/W) 38W			Acres Attributed		
Field Cherry Creek				•	Reservoi Niobrar			Gas Gat Southe	ection				
Completion Date 11/14/2008				Plug Back Total Depth 1411'				Packer S	Set at				
Casing Size 7", 4-1/2"			Weight 17#, 9		Internal Diameter 9-7/8", 6-1/4"		Set at 211', 1444'		Perforations 1214'		то 1252'		
Tubing Size 2-3/8"			Weight		Internal Diameter		Set at 1271'		Perforations		То		
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes					
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen C			Gas Gravity - G _g	
Tubing Vertical Depth(H)						Pres	sure Taps				(Meter	Run) (F	rover) Size
Dranning	D. III	n.	Shut in 11/1	2 ^	0_13_at_9	:30	(AM) (PM)	Takes					/ AM) /DM)
Pressure Buildup: Well on Line:			Started 11/1		13 _{at} 11:30		$\overline{}$		20 20			at (AM) (PM)	
			<u>-</u>			OBSERVE	D SURFAC	E DATA			Duration of Shut	1-in_26	Hours
Static / Dynamic Property			Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Heat Temperature t		re (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration L (Hours)		id Produced (Barrels)
Shut-In	nut-In		PO.9 (,	1.10.100 1.20			psig 118	psia	psig	psia		-	
Flow									I				
						FLOW STE	REAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Fac	Gravity Factor F		Flowing Der Temperature Factor Fit		Metered Flov R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m
(P _c) ² =		:	(P)² =	·:	•	• •	/ERABILITY % (F	•	LATIONS + 14.4 =	:		$)^2 = 0.5$ $)^2 = \underline{}$	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$			P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ fivided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2.		Backpressure Curve Slope = "n" Assigned Standard Slope		e n x	ГЪ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		•											
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	oility			Mcfd @ 14.65 p	sia	
		•	•		, ,		•			•	rt and that he h		vledge of
ne racts s	iaied t	nere	ın, ano that sa	id report is true	e and correc	a. Executed	ı inis ine <u>-</u>	<u> </u>	day of				
			Witness (if	any)			-			For C	Company	KCC	WICH
			For Commi	ssion	•		-			Chec	cked by	DEC	3 1 20 13

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Keller Farms 22-7
gas well on the grounds that said well:
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 I further 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: 12/27/13
Signature: Completions Supervisor Title: Completions Supervisor

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