RECEIVED

Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test:	-		(5	See Instruct	ions on Re	verse Side)					
Open Flo	w		Test Date	ė			API	No. 15				
Deliverab	oilty							023-21063-0	0-00			
Company Noble Energy Inc				Lease · Keller Farms			Well Number 22-18					
ounty Location neyenne NE-SE-NW		Section 18		TWP 2S .		RNG (E/W) 38W			Acres A	Attributed		
ield Cherry Creek			Reservoir Niobrara	Reservoir Niobrara			Gas Gathering Connection Southern Star					
Completion Date 11/20/2008			Plug Back	Plug Back Total Depth			Packer 5	Set at				
Casing Size Weight 17#, 10.5#		Internal Diameter 9-7/8", 6-1/4"		Set at 212', 1394'		Perforations 1212'		то 1248'				
ubing Size	ing Size Weight		Internal Diameter 1.995		Set at 1272'		Perforations		То			
ype Completion (Describe) Single (gas)			Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes Yes			/ No		
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitrogen		Gas Gravity - G			
ubing			-									
ertical Depth(F	1)			Pres	sure Taps				(Meter I	Run) (P	rover) Size	
ressure Buildu	ıp: Shut in 9	/5 2	13 at 9:	00	(PM)	Taken		20	at		(AM) (PM)	
/ell on Line:	Started 9	/62	0 <u>13</u> at <u>9:</u>	.00	(PM)	Taken		20	at		(AM) (PM)	
				OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_24	Hours	
Static / Orifice		Differential in	Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In	psig (Pr	m) Inches H ₂ 0			psig 62	psia	psig	psia				
Flow									,			
				FLOW STR	EAM ATTE	RIBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd	Circle one: Meter or Prover Pressure psia	Press Extension Pmxh	Fact	Gravity T Factor T		lowing Deviat Factor F _{pt}		Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
12 _	. (D.)	2	•	OW) (DELIV		•				i ² = 0.2	207	
$(P_c)^2 = $ $(P_c)^2 - (P_s)^2$ or $(P_c)^2 - (P_d)^2$	$ (P_w)^2 = $		LOG of formula 1. or 2. and divide p 2_p 2		_% (P _c - 14.4) + Backpressure Curve Slope = "n"or Assigned Standard Slope		e n x LOG		(P _d)	Open Flow Deliverability Equals R x Antilog (Mcfd)		
(P _c)²- (P _d)²												
		•	-									
pen Flow	en Flow Mcfd @ 14.65 psia				Deliverability			Mcfd @ 14.65 psia				
	inned authority	, on behalf of the		tates that b		<u> </u>	to make t		<u></u>		ladge of	
	-	t said report is tru							it and that He Ha		20 <u>13</u> .	
		<u> </u>								VC.	~ /A/I/OL	
	Witne	ss (if any)						For	Company	אטו	S WICI	
For Commission						Checked by			cked by	DEC 3 1 20		

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 22-18
gas well 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 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

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