KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t: en Flo	w			,	See Instruc	tions on Re	verse Side	-,					
	liverab				Test Date	e: .				No. 15 -023-21197-(00-00			
Company Noble Energy Inc							Lease Keller Farms					Well Number 42-18		
County Location Cheyenne NE-SW-SE-NE				Section 18		TWP 2S		RNG (E/W) 38W			Acres Attributed			
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection Southern Star							
Completion Date 1/20/2009				Plug Back Total Depth 1457'			Packer							
Casing Size Weight 7", 4-1/2" 20#, 11.6				Internal (Set at 276', 1498'		orations	To 1346'	то 1346'			
Tubing Size			Weigh		9-7/8", 6-1/4" Internal Diameter 1.995		Set at 1374'		1310' Perforations		To			
2-3/8" 4.7# Type Completion (Describe)				Type Fluid Production			Pump Unit or Traveling Plunger? Yes /							
Single (gas) Producing Thru (Annulus / Tubing)				Saltwater % Carbon Dioxide			% Nitrog	gen	Gas Gr	Gas Gravity - G				
Tubing Vertical Depth(H)				Pressure Taps				(Meter Run) (Prover) Size						
			111	10	40 1	1,00								
Pressure Buildup: Shut in _			Shut in	13		3 1:00		_		20				
Well on L	ine:		Started	20	0 at		(AM) (PM)	Taken		20	at		AM) (PM) ———	
	I		Circle one:	Pressure		OBSERVE	D SURFAC		<u> </u>	Tukina	Duration of Shut-	_{in} _26	Hours	
Static / Dynamic Property	Dynamic Size		Meter Prover Pressu psig (Pm)	Differential	lemperature lemper		I Wollhoad Proceuro		Tubing Wellhead Pressure (P_w) or (P_l) or (P_c) psig psia				d Produced Barrels)	
Shut-In							166							
Flow														
					-	FLOW STE	REAM ATTR	IBUTES		ı	1			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		Deviation Metered FI Factor R F _{pv} (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
L				<u> </u>	OPEN FL	OW) (DELIV	'ERABILITY) CALCUI	ATIONS		(5.)	2 00		
(P _c) ² =		<u>_:</u>	(P _w) ² =	:	· - ·			, P _c - 14.4) +		:	(P _d)	2 = 0.2 2 =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		$ (P_w)^2 = $		1. P _c ² · P _a ² 2. P _c ² · P _d ² divided by: P _c ² · P _d ²	2 P 2 1. or 2.		Backpressu Slope or Assig Standard		n x	roe	Antilog	Deli Equals	en Flow iverability R x Antilog (Mcfd)	
				_										
							<u> </u>					<u></u>		
Open Flo				Mcfd @ 14.	·		Deliveral		t		Mcfd @ 14.65 psi			
		-	•	n benair or the aid report is true			•			•	ort and that he ha		_	
													WICHIT	
			Witness (if any)		·····	-			For	Company		3 1 2013	
			For Comm	nission			-			Che	cked by		CEIVED	

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 42-18
(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:

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.