KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ype Test:					(See Instru	ctions on Rev	erse Side	9)					
-	en Flov iverabi				Test Date: API No. 15 15-023-21071-00-00									
Company Noble Er						Lease Keller Fa			13-023-21071-00-0			Well Number		
County Location					Section		TWP	TWP 2S		RNG (E/W)		Acres Attributed		
Cheyenne SW-SE-NW-NW					17 Reservoir					Sathering Connection		RECEIVE		
Cherry Creek					Niobrara	-		·····	Southern Star					
completion Date 2/2/2008				Plug Bac 1440'	k Total De	pth			Packer Set at		DEC U5 2			
sing Si , 4-1/2			Weigh 17#, 9	Internal Diameter 9-7/8", 6-1/4"			Set at 263', 1483'		Perforations 1300'		KCC WICH			
bing Si 3/8"	ze		Weigh 4.7#	Internal Diameter 1.995			Set at 1294'		Perforations		,			
ype Completion (Describe) Single (gas)				Type Flui Saltwa	d Producti I ter	on		Pump Ur yes	nit or Traveling	ng Plunger? Yes / No				
_	Thru	(Апг	ulus / Tubing	;)	% C	% Carbon Dioxide			% Nitrog	en	Gas Gr	Gas Gravity - G _g		
ubing ertical Depth(H)						Pressure Taps					(Meter I	Run) (Pro	ver) Size	
essure		•	Shut in 9/19	2	0 12 at 7						at			
ell on Li	ne:	,	Started	2	0 at		_ (AM) (PM)	Taken		20	at	(A	M) (PM)	
						OBSERV	ED SURFACE	DATA	·		Duration of Shut-	<u>10</u> 24	Hours	
tatic / namic operty	Orific Size (inche	e Prover Pressure		Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperatur t	I Wallhaad F	ressure	Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		1 .		Produced arrels)	
hut-In							144	poid	pong	pom				
low														
						FLOW ST	REAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Gran Fac F	tor	Flowing Temperature Factor F _{f1}	Fa	viation actor P	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
)² =		_ :	(P _w) ² =	:	(OPEN FL P _a =		IVERABILITY) _% (P,		_ATIONS - 14.4 =			$0^2 = 0.20$ $0^2 = $	7	
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P _o) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 - P_w^2$	1. P _c ² -P ₂ ² LOG of formula 2. P _c ² -P _c ² 1. 07 2.		Stop	sure Curve e = "n" or igned ard Slope		LOG	Antilog	Open Fid Deliverabi Equals R x / (Mcfd)		
				Mate @ 44	65 pois		Dollhansti	lite.			Mofd @ 14 CE	l		
en Flo				Mcfd @ 14.	•		Deliverabi				Mcfd @ 14.65 ps			
		•	•	n behalf of the aid report is true			•			•	rt and that he ha		edge of	
			Witness (i	f any)			. <u></u>			For C	ompany			
			For Comm	nission			· <u>-</u>			Chec	ked by		 	

 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 11-17										
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: 11/30/2012										
Signature: Title: Regulatory Analyst										

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.