KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Re	verse Side)					
	en Flow liverabil	y			Test Date) :				No. 15 123-21065-0	0-00			
Company Noble Energy, Inc.						Lease (Keller F				Well Number 13-17				
County Location Cheyenne SW-NW-SW					Section 17		TWP 2S		RNG (E/W) 38W		,	Acres Attributed		
Field Cherry C	Creek N	liobrara Ga	s Are	a	Reservoir Niobrara					ering Conne n Star via Re	ction ecord Compre	ssor	'	
Completion Date 12/1/2008 .				Plug Bac 1445'	k Total Dept	h	Packer Set at n/a		et at					
Casing S 7", 4-1/			Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 248', 1489'		Perforations 1294'		то 1320'		
Tubing Si 2-3/8"	ize		Weight 4.7#			Internal Diameter 1.995"		Set at 1341'		Perforations		То		
Type Con Single ((Describe)	scribe)			Type Fluid Production Saltwater				Pump Unit or Traveling Plu Yes		·		
Producing Tubing	g Thru (Annulus / Tu	bing)		% C	Carbon Dioxi	de		% Nitroge	en	Gas Gr	avity - G	^à g	
Vertical D	Pepth(H)					Pres	sure Taps				(Meter I	Run) (Pr	rover) Size	
Pressure	Buildup		2/17/		0_10_at_1		(PM)	Taken		20 .	at	(AM) (PM)	
Well on Line:		Started	Started20		0 10 at 1	10 at 12:30		(AM) (PM) Taken		20		at (AM) (PM)		
						OBSERVE	D SURFAC	E DATA			Duration of Shut-	_{in} _26	Hours	
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressure psig (Pm)		Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		, , , ,	,	Inches H ₂ 0			130	psia	psig	рыа				
Flow										.				
						FLOW STR	EAM ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressu psia '	Meter or rover Pressure		Grav Fac	tor	Flowing Temperature Factor F _{ft}	perature Fact		Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m	
						,								
(P _c) ² =		· (P) ² =		(OPEN FL	OW) (DELIV) CALCUL		:	(P _a)	² = 0.20	 07	
		(P _c) ² - (P _w) ²	$(P_w)^2 = {(P_c)^2 - (P_w)^2} = \frac{Choose tormul}{1. P_c^2 -} = {2. P_c^2 -} = {divided by: P_c}$		LOG of formula 1. or 2. and divide P2-P2		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
			-											
Open Flo	w			Mcfd @ 14.	65 psia		Deliverat	oility			//cfd @ 14.65 ps	a		
			•	ehalf of the	e and correc	t. Executed	this the 6	th	o make the	•	t and that he ha		ledge of 20	
		Witn	ess (if ar	y)		CORPORATIO		ON YL	nny	For Co	MWW/ ompany			
		For C	Commissi	on		SRVATION MICHITA,	1.50			Check	ed by			

I declare under penalty of	f perjury under the laws of the state of Kansas that I am authorized to request								
exempt status under Rule K.A.I	R. 82-3-304 on behalf of the operator Noble Energy, Inc.								
and that the foregoing pressur	re information and statements contained on this application form are true and								
correct to the best of my knowl	ledge 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-yea	ar exemption from open flow testing for the Keller Farms 13-17								
gas well on the grounds that sa	aid well:								
(Check one)									
	d methane producer								
	n plunger lift due to water								
is a source of natural gas for injection into an oil reservoir undergoing ER									
	ım at the present time; KCC approval Docket No								
=	ble 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 corrobor	rate this claim for exemption from testing.								
Date: 5/6/2010									
	Signature: Jump Barnett								
	1. 7. A. H								

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.