KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	t:				(See Instru	ictions on Rev	erse Side)			
Op	en Flo	w			Test Date							
De	liverat	ilty			resi Date	2 :				No. 15 023-20999-0	0-00	
Company Noble E		Inc					Lease Wiese	-			21-8	Vell Number
County Cheyenле			Locati W2-NV	Section 8		TWP 4S			W)	Acres Attributed		
Field Cherry (Creek				Reservoir Niobrari					hering Conne		
Completic 4/14/200		te			Plug Bac 1599'	k Total De	pth		Packer S			
Casing S 7", 4-1/2			Weigh 17#,	Internal Diameter 9-7/8", 6-1/4"			Set at 256, 1641'		rations B'	то 1478'		
Tubing S	ize		Weigh 4.7#	Internal Diameter 1.995			Set at		rations	То		
Type Con Single (n (D				d Producti	ion	·	Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No
Producing		(Ani	nulus / Tubing))		arbon Dic	xide		% Nitrog	en	Gas Gra	ivity - G _g
Tubing Vertical C)enth(l	1)				Pre	essure Taps				(14	
roman a	, cp("				- 10	sssure raps				(Meter F	lun) (Prover) Size
Pressure	Buildu	•	Shut in <u>8/2</u>				(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:		Started 8/2	52	0 11 at 1	2:00	_ (AM) (PM)	Taken		20	at	(AM) (PM)
			,			OBSER\	ED SURFACE	DATA			Duration of Shut-i	n_24 Hours
Static / Dynamic Property	Orifi Siz (Inch	9	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H,0	Flowing Temperature I	Well Head Temperatu t	re (P_) a (P	Pressure) or (P _e)	Wellhe (P_) o	fubing ad Pressure r (P _r) or (P _e)	Duration (Hours)	Liquid Produced (Barrels)
Shut-in			, , , , , , , , , , , , , , , , , , ,	110100 (120			120	DSIA	psig	psia		
Flow												
	i					FLOW S	REAM ATTR	BUTES			 ,	
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Gircle one: Meter or over Pressure psia	Press Extension √ P _m x n	Grav Fac F	tor	Flowing Temperature Factor F _{f1}	Fa	riation actor	Metered Flov R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G_
							<u></u>		<u> </u>			
(P _c) ² =		_ :	(P _w) ² =	;		OW) (DEL	IVERABILITY _% (P) CALCUL ', - 14.4) +			(P _a) ² (P _a) ³	² = 0.207 ² _
				Chaose formula 1 or 2	LOG	<u> </u>	- 1 	ssure Curve		r 7		Open Flow
$(P_a)^2 \cdot (P_a)^2$ or $(P_e)^2 \cdot (P_a)^2$				1. P _e ² -P _e ² 2. P _e ² -P _e ² alvided by: P _e ¹ -P _e ²	2. P ² -P ² 1. or 2.		As	Stope = "n" or Assigned Standard Stope		rog	Antilog	Deliverability Equals R x Antilog (Mcfd)
				·								
Open Flow			Mcfd @ 14.	Mcfd @ 14.65 psia			Deliverability		Mcfd ② 14.65 psia			
The	unders	igne	d authority, o	n behalf of the	Company,	states that	he is duly au	thorized			rt and that he ha	s knowledge of
the facts s	tated t	herei	in, and that sa	aid report is true	and correc	t. Execute		<u> </u>	day of C	ecember		20 11 .
 			Witness (i	l any)			7 2012	K	enfl	For	Company	
			For Comm	ission		<i>→</i>	. 2012		<i>V</i>	Cha	cked by	

KCC WICHITA

	sclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that correct of equi	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the
gas we	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 There agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing.
Date: _	2/28/2011
	Signature: Chuyl Johnson
	Title: Regulatory Analyst It

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.

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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.