RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flov				(Test Date		uctions	on Rev	verse Side	•	l No. 15				
Del	liverabi	Ity								15	-023-20695-0				
Company Noble Er		nc						ease ones				23-13	Well N	umber	
County Location Cheyenne SE-SE-NE-SW				Section TWP 13 2S					RNG (E 39W	E/W)		Acres Attributed			
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Connection Southern Star						
Completion Date 9/18/2006				Plug Back Total Depth 1412'				Packer Set at							
Casing Size Weight ", 4-1/2" 17#, 10.5			.5#	Internal Diameter 9-7/8", 6-1/8"			Set a 262'	ıt , 1454'	Perforations 1239'		то 1274'	1274'			
Tubing Size We 2-3/8" 4.7			ight #		Internal Diameter 1.995			Set at 1300'		Perforations		То			
Type Completion (Describe) Single (gas)					Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No						
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrogen Gas Grav							
Vertical D	epth(H)				Pr	essure '	Taps				(Meter	Run) (f	Prover) Size	
Pressure	Buildup		3/20	20	13 at 9	:40	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Li	ine:	Started _	3/21	20	13 at 1	0:45	_ (AM) (PM)	Taken		20	at		(AM) (PM)	
					•	OBSER	VED SI	JRFACI	E DATA			Duration of Shut	-in _25	Hours	
Static / Dynamic Property	Orific Size (inche	Mete	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H ₂ 0		Flowing Well Head Temperature t		ıre (f	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			<u>, </u>	2			93		psia	psig	рыа				
Flow															
						FLOW S	TREAM	I ATTR	IBUTES						
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressu: psia	Meter or Extension Prover Pressure		Gravity Factor F		Tempe Fac	emperature Fa		viation Metered Flov actor R F _{pv} (Mcfd)		w GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
,					(OPEN FL	OW) (DEI	IVERA	BII ITV	CALCUI	ATIONS	<u>l</u> .	·			
P _c)² =		: (P) ² =	:	,				ر - 14.4) +) ² = 0.) ² =		
(P _c) ² - (F or (P _c) ² - (F	P_)2		(P _c) ² - (P _w) ² 1. P 2. P		rule 1 or 2: LOG of formula 1. or 2. and divide Pc2 - Pw2 by:			Backpressure Curve Slope = "n" or Assigned Standard Slope		e n x	LOG	Antilog	De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		<u> </u>													
Open Flor	w			Mcfd @ 14.	65 psia		D	eliverab	oility			Mcfd @ 14.65 ps	sia		
		•	•	behalf of the freport is true				•			-	ort and that he h		wledge of	
ne iacis s	iaieu if	iciem, and (ni	ai SdiC	report is true	and conec	, EACCU	ieu uliš	e <u></u>		Jay UI _				C WICHI	
<u>_</u>		Witn	ess (if a	ny)			-	-			For	Сотралу			
		For C	Commiss	ilon			-	_			Che	cked by	DE	:C 3 1 20 13	

exempt and that correct to of equip	clare 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. It 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 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
	ther 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: <u>1</u>	2/27/13
	Signature: Muy Johnson
	Title: 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. signed and dated on the front side as though it was a verified report of annual test results.

DEC 3 1 2013