RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	i:	ÇII.	· • •.	(See Instruc	tions on Re	verse Side))				
	en Flow			Test Date	ı :			AP	l No. 15			
De	Deliverabilty Test bate.								181-20395-0	00-00		
Company Noble Energy Inc					Lease Bratche	er			v 13-19	Vell Number		
County Location Sherman NW-NE-NW-SW			Section 19		TWP 6S			/W)	A	Acres Attributed		
Field Prairie Star				Reservoir Niobrara			•	Gas Gathering Connection Kinder Morgan		ection		
Completion Date 2/7/2006			Plug Back Total Dept 1480			th	Packer Set at					
Casing Size 7", 4-1/2"			Weight Internal Dia 17#, 10.5# 9-1/2", 6						Perforations 1318		то 1333	
Tubing Size 2 3/8		Weight	Weight 4.7#		Internal Diameter 1.995		Set at 1369		orations	То		
Type Completion (Describe)			Type Fluid Production Saltwater				Pump Unit or Traveling F Yes			Plunger? Yes	/ No	
Single (gas) Producing Thru (Annulus / Tubing))	% Carbon Dioxide				% Nitrog	gen	Gas Gra	Gas Gravity - G	
Tubing Vertical D	Depth(H)				Pres	sure Taps				(Meter F	Run) (Prover) Size	
		10/3		12 0	10							
Pressure Buildup:		Shut in 10/2 Started 10/2	ot in		.40	(AM) (PM) Taken						
Well on L	.ine:	Started	20	at		(AM) (PM)	Taken		20	at		
	·····				OBSERVE	D SURFAC	E DATA	,		Duration of Shut-i	n_24 Hours	
Static / Dynamic Property	Orifice Size (inches	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H,0		Flowing Well Head Temperature t		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrets)	
Shut-In		F-13 (V III)	1110100 1120			psig 37	psia	psig	psia			
Flow												
					FLOW ST	REAM ATTR	IBUTES		r ·			
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia Press Extension P _m x h		Gravity Factor F _g		Temperature F:		eviation Metered Flo Factor R F _{pv} (Mcfd)		w GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
				(ODEN EL	OWY (DEL I)	/ERABILITY	O CAL CIT	ATIONS				
P _c) ² =		: (P _w) ² =_	:	P _d =			P _c - 14.4) +		·	(P _a)² (P _d)²	! = 0.207 ! =	
(P _c) ² - (I or (P _c) ² - (I	- 1	(P _c) ² - (P _w) ² 1. P _c ² - P _e ² 2. P _c ² - P _d ²		LOG ot formula 1. or 2. and divide D 2. D 2		Backpressure Curve Slope = "n"		e n x l OG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
		- '	tivided by: P _c ² - P _w ²	by:	<u> </u>	Giani	and diope				. ,	
Open Flow Mcfd @ 14.65 psia					Deliverability				Mcfd @ 14.65 psia			
	_	· ·								ort and that he has		
he facts s	tated the	rein, and that sa	id report is true	and correc	t. Executed	this the 1	<u>6</u>	day of L	vecember		, ₂₀ <u>13</u> .	
		Witness (if	any)		· · · · · · · · · · · · · · · · · · ·	-			For	Company	KCC WICH	
		For Commi				-			Chn	cked by	DEC 3 1 201	
		i di Coniini							Cite	o o j		

	eclare under penalty of perjury under the laws of the state of Kansas that I am authorized to request									
xempt	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc									
ınd tha	t the foregoing pressure information and statements contained on this application form are true and									
orrect	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.										
l he	reby request a one-year exemption from open flow testing for the Bratcher 13-19									
as we	I 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									
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commissio									
	necessary to corroborate this claim for exemption from testing.									
Date: _1	2/16/2013									
	Signature: Cley 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. The form must be signed and dated on the front side as though it was a verified report of annual test results.