RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				(See Instruct	ions on Rev	rerse Side	·)				
Op	en Flow	4			Test Date	·-			API I	No. 15			
Del	liverabi	lty			rest Date					23-21168-0	0-00		
Company Noble Energy Inc					Lease Zimbelman			nan	34-13			Well Number	
County Location Cheyenne NE-NW-SW								TWP 2S		RNG (E/W) 39W		Acres Attributed	
Field				Reservoir			•		ering Conne				
Cherry Creek				Niobrara					n Star/Kinde	er Morgan			
Completion Date 12/3/2008				1451'	k Total Dept	.n 		Packer Set at					
Casing Size Weight 7, 4-1/2" 17#, 11.6#					Internal D 9-7/8",		Set at 190', 1483'		Perforations 1242'		то 1282'		
Tubing Size 2-3/8"			Weight		Internal Diameter 1.995		Set at 1300'		Perforations		То		
Type Completion (Describe)				Type Fluid Production							/ No		
Single (gas) Producing Thru (Annulus / Tubing)					Saltwater			Yes					
Producing Tubing	g Thru	(Anr	nulus / Tubing)	% C	arbon Dioxi	de		% Nitroge	en	Gas Gr	avity - G	
Vertical D	epth(H)				Press	sure Taps		*****		(Meter	Run) (Prover) Size	
Pressure	Buildup); ;	Shut in3/19) 2	0 13 at 1	2:30	(AM) (PM)	Taken		20 .	at	(AM) (PM)	
Well on Line: Star			Started 3/20	,5	o <u>13</u> at <u>1</u>	2:30	(AM) (PM)	Taken		20	at	(AM) (PM)	
						OBSERVE	D SURFACE	E DATA			Duration of Shut-	in 24 Hours	
Static / Orifl		Circle one:		Pressure	Flowing	Well Head	Casing		Tubing				
Dynamic	Size (inches)		Meter Prover Pressur	Differential re in		Temperature ‡	Wellhead Pressure (P _w) or (P ₁) or (P _c)		Wellhead Pressure (P_w) or (P_t) or (P_c)		Duration (Hours)	Liquid Produced (Barrels)	į
Property			psig (Pm)	Inches H ₂ 0			psig	psia	psig	psia	. ,		
Shut-In							77						ı
Flow													ı
						FLOW STR	EAM ATTR	IBUTES					
Plate Coeffiecient (F _b) (F _p) Mcfd		Meter or Exte		Press Extension ✓ P _m xh	Grav Fac F	tor 1	Temperature		viation Meterad Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	et/ Fluid	
					(ODEN EI	OW) (DELIV	EDADII ITV) CALCIII	ATIONS				
P _c) ² =		_:	(P _w)² =	<u></u> :	P _d =) CALCOL) _e - 14.4) +		:	(P _a) (P _d)) ² = 0.207) ² =	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		Choose formula 1 or 2 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ thyided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2.	P _c ² . P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		l n x t	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
						,							
													İ
Open Flo	w			Mcfd @ 14.	65 psia	<u></u>	Deliverab	ility		<u> </u>	Mcfd @ 14.65 ps	ia	ı
		•	•	behalf of the	• •		•			•	t and that he ha	as knowledge of, 20	
ię iaulo b	naicu ii	151EI	ii, unu illat sa	o report is trui	o and conec	Executeu	016		Juj 01				
			Witness (if	any)			-			For Co	ompany	KCC WIC	Kľ
			For Commi	ssion			_			Chec	ked by	DEC 30 2	ጋበተኃ
												טבט זע ג	LU I

l de	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
	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 Zimbelman 34-13
	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	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.
Data: 1	2/13/13
лане. <u> </u>	
	$\sim 1.0 \text{ M/s}$
	Signature: Kathlen on els

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.

DEC 30 2013