RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	en Flov		•			(s		ctions on R	everse Sid	•	l No. 15		
De	liverabi	ilty					<u> </u>			15-	-023-20753-0		
Company Noble Er		Inc						Lease Rueb I	arm			31-15	Well Number
County Cheyenr	ne		Location NW-NE			Section 15		TWP 3S			:/W)	,	Acres Attributed
Field Cherry C	reek		Reservoir Niobrara					Gas Gathering Connection Kinder Morgan					
Completic 5/16/200		е	Plug Back Total Depth 1709'					pth		Packer	Set at		
Casing Si 7", 4-1/2			Weight 17#, 9.5#			Internal Diameter 9-7/8", 6-1/4"			Set at 302', 1770'		orations 4'	то 1580'	
Tubing Si 2-3/8"	ze		Weight 4.7#			Internal Diameter 1.995		Set	Set at		orations	То	
Type Completion (Describe) Single (gas)					Type Fluid Saltwa	d Production ter	on .			nit or Traveling	Plunger? Yes	/ (ND)	
Producing Thru (Annulus / Tubing) Tubing					% C	arbon Dio	kide	9 % Nitrogen		gen	Gas Gra	avity - G _g	
Vertical D	epth(H	1)					Pre	ssure Taps	,			(Meter F	Run) (Prover) Size
Pressure	Buildu	p: \$	Shut in	}	20	13 at 4:	.00	_ (AM) (PM	Taken		20	at	(AM) (PM)
Well on L	ine:	S	Started 1/9		20	13 at 4:	:00	(AM) (PM				at	
							OBSERV	ED SURFA	CE DATA	•		Duration of Shut-i	in 24 Hours
Static / Dynamic Property	Size		Meter Differ		Pressure ifferential in ches H ₂ 0	al Temperature Tempera		ture (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			poig (i iii)		01103 T1 ₂ 0			psig 64	psia	psig	psia		
Flow													
				T		- 	FLOW ST	REAM ATT	RIBUTES		1	1	
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press xtension P _m x h	nsion Fac		´ Temperatura		viation actor F _{pv}	Metered Flow R · (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
				<u> </u>		/ODEN EL	OW) (DELL	VEDADULT	V) CAL CIII	ATIONS			
(P _c) ² =	<u></u>	_:	(P _w)² =	=	:	P _d =		VERABILIT _%	(P _c - 14.4) -		:	(P _e)² (P _d)²	2 = 0.207 2 =
(P _c) ² - (F or (P _c) ² - (F		(P _c) ² - (P _w) ²		Choose:	formula 1 or 2: P _c ² - P _a ² P _c ² - P _d ² by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide by:	P _c ² - P _w ²	Backp: SI	essure Curv ope = "n" or ssigned idard Slope	e	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
									•				
Open Flor	<u> </u>			M	cfd @ 14.6	55 psia		Delivera	hility			Mcfd @ 14.65 psi	a
The t	ındersi	•	authority, on, and that s	n beha	alf of the	Company, s		he is duly	authorized		he above repo	rt and that he ha	s knowledge of, 20
			Witness	Gf Arms							Earl	Company	KCC WICH
			For Com									cked by	DEC 3 1 201

exempt status under and that the foregoin correct to the best of of equipment installa	penalty of perjury under the laws of the state of Kansas that I am authorized to request Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc ng pressure information and statements contained on this application form are true and my knowledge and belief based upon available production summaries and lease records tion and/or upon type of completion or upon use being made of the gas well herein named. a one-year exemption from open flow testing for the Rueb Farm 31-15
gas well on the grou	
is is	a coalbed methane producer cycled on plunger lift due to water a source of natural gas for injection into an oil reservoir undergoing ER con vacuum at the present time; KCC approval Docket No
_	o supply to the best of my ability any and all supporting documents deemed by Commission ocorroborate this claim for exemption from testing.
Date: 12/27/2013	
	Signature: 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. **FECTIVE HOTA** signed and dated on the front side as though it was a verified report of annual test results.

DEC 3 1 2013