KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ype Test:					(-	See Instructi	ons on Revi	erse Side)			
	en Flow iverabill				Test Date):				No. 15 023-20975-0	0-00	
ompany Iobie En		nc		· · · · · · · · · · · · · · · · · · ·	<u> </u>		Lease Rueb Fa	rm		<u> </u>	24-16	Vell Number
ounty			Location	1	Section		TWP		RNG (E/	W)	F	Acres Attributed
heyenn	е		SE-SW		16				42W			RECEIV
^{eld} herry C	reek					Reservoir Niobrara			Gas Gathering Connection Kinder Morgan		ection	DEC 10
mpletio		ł			Plug Back 1588'	Plug Back Total Depth 1588'			Packer Set at			DEC 2.6
sing Si. 4-1/2'		Weight 17#, 11.6#			Internat Diameter 9-7/8", 6-1/4"		Set at 321', 1726'		Perforations 1516'		то 1554'	RECEIVA DEC 2 6 2 KCC WICH
bing Si: 3/8"	ze	Weight 4.7#			Internal Diameter 1.995		Set at 1572'		Perforations		То	
	pletion	(Desc	ribe)			Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No Yes			
oducing		(Annulu	ıs / Tubing)		% C	arbon Dioxid	de		% Nitrog	jen	Gas Gra	avity - G _g
ubing ertical D	epth(H))				Press	sure Taps				(Meter F	Run) (Prover) Size
			. 12/5		. 12 . 1	0:00	(C) (C) (C)					(AAA) (DAA)
Pressure Buildup: Shut in $\frac{12/5}{20}$ 20 $\frac{1}{20}$ Well on Line: Started $\frac{12/6}{20}$					40 40.00							
												24
			Circle one:	Pressure		OBSERVE	D SURFACE Casi			Tubing	Duration of Shut-	inHours
tatic / namic operty	Orific Size (inche	fice Meter ze Prover Pressu		Differential	Flowing Temperature t	Well Head Temperature t	Wellhead F (P _w) or (P _t	Wellhead Pressure (P_w) or (P_t) or (P_c)		ead Pressure or (P ₁) or (P ₂)	Duration (Hours)	Liquid Produced (Barrels)
hut-In			paig (r iii)	mones ri ₂ 0			psig 162	psia	psig	psia	·	
Flow												
						FLOW STR	EAM ATTRI	BUTES				
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fac		tor Temperature		Deviation Metered 8 Factor R F _{pv} (Mcfd		(Cubic Fe Barrel)	Gravity
)² =		:	(P _w) ² =_	:			ERABILITY) % (P		.ATIONS · 14.4 =	;		² = 0.207 ² =
$(P_c)^2 \cdot (P_a)^2$ or $(P_c)^2 \cdot (P_d)^2$		(P _c) ² - (P _w) ²		hoose formula 1 or 2. 1. $P_c^2 - P_s^2$ 2. $P_c^2 - P_d^2$ ivided by: $P_c^2 - P_s^2$	LOG of formula 1, or 2. and divide		Backpressure Ci Slope = "n"		e n x	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
				c w								
pen Flo	w			Mcfd @ 14.	65 psia		Deliverabi	ility			Mcfd @ 14.65 psi	ia
		_									rt and that he ha	as knowledge of
facts s	tated th	nerein,	and that sai	d report is true	e and correc	ct, Executed	this the 20		day of			, 20
			Witness (if	any)			-			For (Company	
							_					

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct 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. I hereby request a one-year exemption from open flow testing for the Rueb Farm 24-16 gas well on the grounds that said well: (Check one) is a coalbed methane producer 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 mct/D I further agree to supply to the best of my ability any and all supporting documents deemed by Commission staff as necessary to corroborate this claim for exemption from testing. Date: 12/20/2012 Signature: Regulatory Analyst	
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	exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc and that the foregoing pressure information and statements contained on this application form are true and correct 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. I hereby request a one-year exemption from open flow testing for the Rueb Farm 24-16
Signature:	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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
	Signature:

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.