KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	st: (See Instruct						tructions on R	everse Side	∍)			
Open Flow Deliverabilty					Test Dat	e:			API No. 15 15-023-20954-00-00			
Company Noble Energy Inc						Lease Rueb Farm				020 2000 . 0	• • •	Well Number
County Lo Cheyenne NW				Section Section SE 16			TWP 3S	, ,			Acres Attributed	
ield Cherry Creek				Reservo Niobrar					thering Conne Morgan	ection	DEC 25 a	
Completion Date 3/28/2008				Plug Bad 1727'	ck Total E	Depth		Packer Set at			145	
Casing Size Weight 17#, 10.5#				····	Diameter 6-1/4"				orations 3'	то 1568	RECEIVE DEC 2-6 2 KCC WICH	
ubing Size Weig			Weig	ht		Diameter Set at			Perfo	orations	То	
2-3/8" 4.7# Type Completion (Describe)					1.995 1589' Type Fluid Production				nit or Traveling	Plunger? Yes		
Single (gas)					Saltwater			Yes				
roducing Thru (Annulus / Tubing)				% (% Carbon Dioxide				% Nitrogen Gas Gravity - G			
ubing ertical D	epth(F	H)				F	Pressure Taps				(Meter F	Run) (Prover) Size
ressure /ell on Li			Shut in		20 12 at 1	1:00	(AM) (PM (AM) (PM	Taken			at	
					4		((((((((((((((((((((
				<u> </u>	. _T	OBSE	RVED SURFA				Duration of Shut-	in 24.25 Hours
Static / ynamic roperty	Size		Circle one: Meter Prover Press psig (Pm)	Differentia in	lemperature t	Well He Tempera t	Wellhea	Casing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia		Tubing ead Pressure or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In	<u> </u>						60	paia	psig	рыц		
Flow												
				<u> </u>		FLOW	STREAM ATT	RIBUTES		1		
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ever Pressure psia	Press Extension ✓ P _m x h	Fa	evity ctor s	Flowing Temperature Factor F ₁₁	F:	viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
)² =		:	(P _w) ² :	= :	(OPEN FL	* *	ELIVERABILIT	Y) CALCUI		:	(P _a) ²	2 = 0.207 2 =
		(F	(P _c) ² - (P _w) ² Choose formula 1 or 2: 1. P _c ² - P _n ² 2. P _c ² - P _d ² divided by: P _c ² - P _w ²		LOG of formula 1, or 2, and divide	LOG of formula 1. or 2. and divide p2_p2		Backpressure Curve Slope = "n" or Assigned Standard Slope		rod	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
												-
pen Flo	<u>~</u>	L		Mcfd @ 1	4.65 psia		Delivera	ability		l	Mcfd @ 14.65 psi	a
		•	•				•			,	rt and that he ha	s knowledge of
e facts s	tated t	herei	n, and that s	said report is tr	ue and corre	ct. Execu	uted this the _	20	day of _	December		, 20 <u>12</u> .
			Witness	(if any)						For C	Company	
			For Com	mission						Chec	ked by	

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 33-16B 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 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:

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.