KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instr	ruction	ns on Rev	erse Side))					
= :	en Flo liverab				Test Date	9 :					No. 15 023-20089-00	0-00			
Company Noble E		 1y, l	nc.		· · · · · · · · · · · · · · · · · · ·			Lease Rueb		7		1-16	Vell N	umber	
County Location Cheyenne W/2-W/2-E/2-NW/4			Section 16			TWP 3S		RNG (E/W) 42W		Acres Attributed					
Field		Niol	orara Gas Ar	ea	Reservoi Niobrara						hering Connec Armel DP/Bi	ction ttercreek Pipel	ine		
Completio 3/1/1979		е			Plug Bac	k Total D	epth			Packer S n/a	et at				
Casing Size 4-1/2"		Weight 9.5#		Internal Diameter 6-1/4"			Set at 1687'		Perforations 1569'		то 1587'				
Tubing Si 2-3/8"	Tubing Size 2-3/8"		Weight 4.7#		Internal Diameter 1.995"			Set at 1569'		Perforations		То			
Type Con Single (•	n (D	escribe)		Type Flui Saltwa		tion			Pump Ur No	it or Traveling	Traveling Plunger? Yes / No			
Producing Tubing	Thru	(Ani	nulus / Tubing)	% C	arbon Di	oxide			% Nitrog	en	Gas Gra	avity -	G ₉	
Vertical D	epth(H	l)	,			Pi	ressui	re Taps				(Meter F	Run) (F	Prover) Size	
Pressure	Buildu	p:	Shut in	2	0_10_at_1		(A	M) (PM)	Taken		20 _	at		(AM) (PM)	
Well on L	ine:		Started 3/4/	2	0 10 at 2	:35	(A	M) (PM)	Taken		20 .	at		(AM) (PM)	
				• •		OBSER	VED	SURFACE	DATA		[Duration of Shut-i	_{n_25}	Hours	
Static / Dynamic Property	Orifi Sizi (inchi	е	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Hea Temperate t	- 1	Casi Wellhead I (P _w) or (P _i	Pressure	Wellhe	ubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produc (Barrels)		
Shut-In			Para (c.m.)					psig 175	psia	psig	рыа				
Flow															
					<u> </u>	FLOW S		AM ATTRI	BUTES	T					
Plate Coeffiec (F _b) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension P _m x h	Grav Fac F	tor	Ten	Flowing nperature Factor F _{II}	Fa	riation actor = pv	Metered Flow GOR R (Cubic Feet/ (Mcfd) Barrel)		Flowing Fluid Gravity G _m		
					(OPEN FL	OW) (DEI	LIVER	RABILITY)	CALCUL	ATIONS		(5.)			
(P _c) ² =		•	(P _w) ² =_	:	P _a =		%	•	14.4) +		:	(P _a) ²	? = 0.2 ? =	207	
(P _c) ² - (I		(F	P _c) ² - (P _w) ²	1. P _c ² -P _a ² 2. P _c ² -P _d ² ivided by: P _c ² -P _d ²	LOG of formula 1. or 2. and divide		1	Backpres Slop Ass	sure Curve e = "n" origned ard Slope		roe [Antilog	O De	pen Flow liverability s R x Antilog (Mcfd)	
													, , , ,		
Onen Fie				Mold @ 14	65 poio			Deliverabi	lity			// // // // // // // // // // // // //			
Open Flo				Mcfd @ 14.								····			
		_	d authority, on		e and correc	et. Execu	ted th	is the 23	Brd /	day of A		t and that he ha		vledge of 20 10 .	
			Witness (if	any)	KANSAS CO				J	VVV	For Co	ompany	<u> </u>		
	·		For Commi	ssion	— A	PR 2 9	g ZU	10 -			Check	ed by			

	er penalty of perjury under the laws of the state of Kansas that I am authorized to request er Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the fore correct to the bes of equipment inst I hereby requ	oing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records llation and/or upon type of completion or upon use being made of the gas well herein named. est a one-year exemption from open flow testing for the Rueb 1-16 bunds that said well:
	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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 4/23/2010	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.