KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:					(See Instruct	lio ns on Re	verse Sid	e)					
= .	en Flo liverab					Test Date	9 :				No. 15 123-21330-00	0-00			
Company Noble Er		Inc						Lease Rueb F	arm			31-16	Well Nu	mber	
County Location			Section		TWP 3S		RNG (E/W)		Acres Attributed						
Cheyenne SE-SW-NW-NE Field				16 Reservoir		38	42W Gas Gatherir		ering Conne	DEC 2 0		CEIVE			
Armel					 	Niobrara				Kinder N			-ner	70	
8/29/201		e				Plug Bac 1670	k Total Dept	th		Packer S	et at		שבנ	. 2 0 20	
•			Weig 17#,		5#	Internal Diameter 9-7/8", 6-1/4"		Set at 318',1740		Perforations 1533'		To KCC WICHI			
Tubing Size			Weight			Internal Diameter		Set at		Perforations		То			
Type Completion (Describe) Single (gas)				Type Flui Saltwa	d Production	n		Pump Unit or Traveling		Plunger? Yes / No					
Producing Thru (Annulus / Tubing)			% Carbon Dioxide				% Nitroge	en.	Gas Gr	Gas Gravity - G _g					
Annulus		11				· · · · · · · · · · · · · · · · · · ·	Drog	oura Tana	·····			/Materi	Dun (D	rough Sing	
Vertical D	epinit	1)					Pres	sure Taps				(Meter I	Hun) (Pr	over) Size	
Pressure	Buildu	ıp:	Shut in10	/10	2	0_12 at 2	:00	(AM) (PM)	Taken		20 _	at	(AM) (PM)	
Well on Line:					20	0 12 at 2:20 ((AM) (PM) Taken_		20		at	(AM) (PM)		
							OBSERVE	D SURFAC	F DATA			Duration of Shut-	, 24.	2 Hours	
Static / Orifi		e Prover Press		- [Pressure Flowin Differential Tempera		Well Head Temperature	Ca: Wellhead	Casing Wellhead Pressure (P _w) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P ₂)		Duration Liqui		
Property	(inches)		psig (Pm)		Inches H ₂ 0	<u> </u>	t	psig psia		psig	psia		ļ <u>`</u>	(Barrels)	
Shut-In								164					ļ		
Flow															
						1	FLOW STR		IBUTES			1			
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h		Gravity Factor F _g		Tomporature		viation Metered Flactor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		<u>.</u> :	(P _w) ²		·	$P_d =$	OW) (DELIV		•	_ATIONS + 14.4 =	:		1 ² = 0.20	07	
(P _c) ² - (F or (P _c) ² - (F	P _a) ²	(F	P _c) ² - (P _w) ²	1	ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P.2. P.2	Slo As	essure Curvi pe = "n" - or signed lard Slope	0.81	og [Antilog	Deli Equals	en Flow verability Fl x Antilog Mcfd)	
Open Flor	W				Mcfd @ 14.	65 psia		Deliveral	oility		N	tcfd @ 14.65 ps	ia		
The ι	unders	igne	d authority,	on be	ehalf of the	Company, s	states that h	e is duly a	uthorized	to make the	e above repor	and that he ha	as know	ledge of	
the facts s	lated t	herei	n, and that	said r	report is true	and correc	t. Executed	this the _1	7	day of _De	ecember		, ;	20 12 .	
								_			·				
			Witness	(if any	")						For Co	mpany			
,			For Corr	missio	n			-			Check	ed by			

	r 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 foreg correct to the best of equipment insta I hereby reque	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. Ist a one-year exemption from open flow testing for the Rueb Farm 31-16B bounds that said well:
staff as necessary	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: 12/17/2012	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.