KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	::				(See Instruct	tions on Re	verse Side	e)			
	en Flov liverabi				Test Date	ə :				No. 15 023-21091-00)-00	
Company Noble E		y, lı	nc.				Lease Rueb				۱ 21-16E	Vell Number
County Location Cheyenne W2-NE-NE-NW			Section 16		TWP 3S			W)	Acres Attributed			
Field Cherry C	Creek I	Niob	rara Gas Are	ea	Reservoi Niobrara					hering Connectreek via Arm		
Completion 9/9/2008)			Plug Bac 1702'	k Total Dept	th		Packer S n/a	Set at		
Casing S 7", 4-1/			Weight 17#, 10).5#	Internal Diameter 9-7/8", 6-1/4"		Set at 363', 1745'		Perforations 1550'		то 1584'	
Tubing Si			Weight	··· ······························	Internal [Set	at	Perfo	rations	То	
Type Con Single ((De	scribe)		Type Flui Saltwa	d Production	n		Pump Ur No	nit or Traveling I	Plunger? Yes	/ No
Producing		(Ann	ulus / Tubing)		% C	Carbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G _g
Vertical D)				Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildup	o: 8	Shut in 3/3/	2	0_10_at_1	2:55	(AM) (PM)	Taken		20 _	at	(AM) (PM)
Well on L	ine:	5	Started 3/4/	2	0 10 at 2	:30	(AM) (PM)	Taken		20 _	at	(AM) (PM)
						OBSERVE	D SURFAC	E DATA			Ouration of Shut-i	n 25 Hours
Static / Dynamic Property	Orific Size (inche	,	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	(P _w) or (F	Pressure	Wellhe (P _w) or	Tubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In			paig (i iii)	inches 11 ₂ 0			179	psia	psig	psia	KANSAS CO	RECEIVED RPORATION COMMISS
Flow											AF	R 2 9 2010
						FLOW STR	EAM ATTR	IBUTES			PONCE	DVATION DUIGO
Plate Coefficient (F _b) (F _p) Mcfd			Circle one: Meter or ver Pressure: psia	Press Extension ✓ P _m x h	Grav Fac	tor	Temperature Factor		iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fee	RVATION DIVISIO MICHITA, Audio Bravity G _m
					(OBEN EL	OW) (DELIV	EDARII ITV	CALCIII	ATIONS			
(P _c) ² =			(P _w) ² =		•	, ,) CALCOL P _c - 14.4) +			(P _a) ² (P _d) ²	= 0.207
(P _c) ² - (F	P _a) ²		(P _w) ² (P _w) ²	0050 formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² ided by: P _c ² - P _w ²	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpre Slo 	ssure Curve pe = "n" - or signed lard Slope	n x I	ГЛ	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow Mcfd @ 14.			 65 psia		Deliverability		Mcfd @ 14.65 psia					
		•	authority, on		•		•		o make th	•	and that he has	s knowledge of
			Witness (if a	ny)			-	-	eunf	2 Kg	mett	•
			For Commiss	sion			-			Check	ed 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 21-16B 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. vis 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: 4/26/2010 Signature: Regulatory Analyst		
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Date: 4/26/2010 Signature: Jumpe Bunet	I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commission
Signature: Jumpe Burnett	staff as necessar	y to corroborate this claim for exemption from testing.
	Date: 4/26/2010	

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.