KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Instru	ctions on Re	verse Side	e)				
	en Flo livera					Test Date	e:				No. 15 023-20759-0	n 00		
Company Noble E		. Inc						Lease Rueb F	arm	10-	023-20739-0	43-15	Well No	ımber
County		,,		ation E	 	Section 15		TWP 3S		RNG (E/	W)		Acres	Attributed
Field		Niol	brara Gas		a	Reservoi Niobrar				Gas Gat	hering Conne			
Completic 10/1/200	on Da					Plug Bac	k Total Der	oth	1	Packer S	Set at			.
Casing Size 7", 4-1/2"			Weight 17#, 9.5#			Internal (9-1/4"			Set at 300', 1696'		Perforations 1486'		то 1552'	
Tubing Si			Wei											
Type Con Single (escribe)	 		Type Flui Sa ltw a	d Production	on		Pump Ur No	it or Traveling	Plunger? Yes	/ No	
Producing Annulus		ı (Anı	nulus / Tubi	ng)		% C	Carbon Diox	kide		% Nitrog	en	Gas G	avity - (3 ₉
Vertical D	epth(H)					Pres	ssure Taps				(Meter	Run) (P	rover) Size
Pressure	Buildu	ıp:	Shut in _2/	11/	2	09 at 1	:30	. (AM) (PM)	Taken		20	at	((AM) (PM)
Well on Li	ine:		Started 2/	12/	2	0 09 at 3	:30	(AM) (PM)	Taken		20	at		(AM) (PM)
				······································			OBSERVI	ED SURFACI	DATA			Duration of Shut	_{in_26}	Hours
Static / Dynamic Property	Orif Siz (inch	ze	Circle one Meter Prover Pres psig (Pm	sure	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhea	ubing ad Pressure (P ₁) or (P _c) psia	Duration (Hours)	1 '	d Produced Barrels)
Shut-In								180	····					
Flow														
			Circle see				FLOW ST	REAM ATTR	BUTES	···			·····	
	Coeffictient (F _b) (F _p)		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fact F _g		Temperature		iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G _m

(P _c) ² =		_:	(P _w)²	=	:	°(OPEN FLO P _d = .		/ERABILITY) % (P	CALCUL - 14.4) +		<u> </u>	(P _a) (P _d)	2 = 0.2 2 =	07
(P _c) ² - (P or (P _c) ² - (P		(P	c)²- (P _w)²	1	ise formula 1 or 2: i. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ed by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop	sure Curve e = "n" or igned ard Slope	nxL	og [Antilog	Deli Equals	en Flow verability R x Antilog Mcfd)
					····.									
Open Flow	l v				Mcfd @ 14.6	55 psia		Deliverabi	lity		<u> </u>	Mcfd @ 14.65 psi	a	
The u	nders	igned	authority,	on be	ehalf of the	Company, s	tates that h	ne is duly au	thorized to	make the	above repor	s and that he ha	s know	ledge of
he facts st	ated t	hereir	n, and that s	said r	eport is true		EXECUTED E		4	day of Oc	ctober	Sent	, 2	<u>09</u> .
			Witness	(if any)	00	7 13	2009		_	For Co	ompany		
			For Com	missio	n	KCC	WICH	- -			Check	red by		

exempt status und and that the fore correct to the bes of equipment inst	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc. going pressure information and statements contained on this application form are true and t of my knowledge and belief based upon available production summaries and lease records allation 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 Farm 43-15
	rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission by to corroborate this claim for exemption from testing.
Date: 10/6/09	
	Signature: Min Jalyh Title: Regulatory Specialist

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.