KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:					(See Instruc	tions on Re	verse Sid	e)					
Open Flow Deliverabilty			Test Date:			API No. 15 15-023-20751-00-00								
Compan Noble		gy,	Inc.				Lease Rueb I	Farm			23-1	Well No	umber	
County Location Cheyenne NE-SW				Section 15		TWP 3S		RNG (E/W)			Acres Attributed			
Field Cherry	Cre	ek N	liobrara g	as area	Reservoi Niobra					thering Conr				
Completion Date 10/8/2007				Plug Bac 1639'	k Total Dep	th		Packer n/a	Set at					
Casing Size Wei			Weigl 17# ,						Perfo	orations	To 184'	1539'		
Tubing Size Weight				nt	Internal I			Set at Perforations		orations	То			
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No No -Flowing						
Producing Thru (Annulus / Tubing)				g)	% Carbon Dioxide			% Nitrogen			Gas Gravity - G			
Annulus Vertical D		ш					T							
vertical L	epin(n)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildi	ın.	Shut in	112/ 2	008at_	1.00	(PM)	Tokon		20	at		(AAA) (DAA)	
Well on L					008 at _		\bar{a}				at			
			Started			,,,,,,	(PIVI)	iaken		20	at		(AM) (PM)	
			1		, 	OBSERVE	D SURFACE	DATA .			Duration of Shu	t-in <u></u> 2	4Hours	
Static / Orifice Dynamic Size Property (inches			Circle one: Meter	Pressure Differential	Flowing	Well Head	rature Wellhead Pressure (P_w) or (P_1) or (P_c)		Tubing Wellhead Pressure		Duration	Liqui	Liquid Produced	
			Prover Pressu psig (Pm)		Temperature t	Temperature t			(P _w) o	r (P _t) or (P _c)	(Hours)	(Barrels)		
Shut-In	-		poig (i iii)	THORES TY20			165	psia	psig	psia		-		
Flow							.00			 				
			<u> </u>			ELOW STR	EAM ATTRI	DilTEC	<u> </u>					
Plate			Circle one:	Press			Flowing	BUIES					Flaurian	
Coeffiecient		Meter or Prover Pressure		Extension	Grav Fact	·	emperature Fa		riation Metered FI		v GOR (Cubic Fo	Flowing Fluid		
(F _b) (F _p) Mcfd		770	psia psia	√ P _m xh	F,		Factor F _n	F_		(Mcfd)	Barrel		Gravity G _m	
								-						
					(OPEN FLO	OW) (DELIVI	ERABILITY)	CALCUL	ATIONS		 			
(P _o) ² =		_:	(P _w) ² =	:	P _d =	9	•	- 14.4) +		:	(P _a)	$)^2 = 0.2$ $)^2 = 0.2$	07	
(P _c) ² - (F) /s		c)2- (Pw)2	Choose formula 1 or 2: 1. P _c ² - P _a ²	LOG of		Backpres	sure Curve			, a		en Flow	
or (P _c) ² - (F		V	c' " (' w'	2. P. ² -P. ²	formula 1. or 2.			9 = "n" or	nxl	.og	Antilog	Deli	verability	
(F _c) (F	۵,-			divided by: P _c ² -P _w ²	and divide by:	P _c ² -P _w ²		igned rd Slope				1	R x Antilog Mcfd)	
							-					-		
Open Flow Mcfd @ 14.			65 psia Deliverat			itv	Mcfd @ 14.65 psia							
The u	ndersi	inned	authority or			tates that he					rt and that he ha			
							<i>a</i>	ነለራ		e above repoi	rt and that he ha			
iio iauls Sl	aleu II	ierell	i, aliu that sa	id report is true	and correct	. Executed	this the PFC\$!\		lay of	TIENON	10		.0 <u>09</u> .	
			Witness (if	any)		KANSAS	CORPORALL	OMCONM	ss////	Mf Ford	BANNE			
			For Commi	ssion			mar 0 S	2009 6	/	Chec	ked by			

I declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the foregoing correct to the best of equipment insta	going pressure information and statements contained on this application form are true and tof 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 23-15 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.
	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.