KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:					(See Instructi	ions on Reve	erse Side)				
	en Flov				Test Date) :				No. 15			
	iverab	IIty					1		15-	181-20575-00		Afall Mumbay	
Company Noble Er		Inc					Lease Bucholtz				31-6	Well Number	
County Location				Section		TWP		RNG (E/W)		,	Acres Attributed		
Sherman NW-SW-NW-NE Field				6 Beservoi	6 6S Reservoir			39W RECEIVED					
Goodland Niobrara Gas Area					Niobrara				Prairie Star			DEC 05	
Completion Date 5/10/2011					Plug Bac 1484'	k Total Dept	h		Packer Set at				
Casing Size Weight					Internal [Diameter	Set at	Set at Perfe		rations	То	KCC WICH	
7", 4 1/2" 17#, 11.6#			9 7/8",	6 1/4"	410', 1532'		1342'		1380'				
Tubing Size Weight 2 3/8" 4.7#				nt	Internal I 1.995	Diameter	Set at		Perforations		То		
Type Completion (Describe) Single (gas)					Type Flui Saltwa	d Production	1		Pump Unit or Traveling Plui yes				
	Thru	(Ann	ulus / Tubing	g)	% (Carbon Dioxi	de	·	% Nitrog	jen	Gas Gra	avity - G _g	
Tubing /ertical D	enth/F	1)				Pressure Taps					(Meter F	Run) (Prover) Size	
rention D	opini	',					o o o				(, (,	
Pressure	Buildu	p: \$	Shut in _9/2	4 2	0 12 at 8	:00	(AM) (PM)	ľaken		20 _	at	(AM) (PM)	
Vell on Line: Started 9/25 20							AM) (PM) Taken						
veli oli Li	116.	`	Dianeo		at			,u					
					T	OBSERVE	D SURFACE	DATA	1		Duration of Shut-	in 24 Hours	
Static /	Orifi		Circle one: Meter	Pressure Differential	Flowing	Well Head Temperature	Casing Wellhead Pressure		Tubing Wellhead Pressure		Duration	Liquid Produced	
ynamic Property		ches) Prover Pre		ure in Inches H₃0	t	t t	(P _w) or (P _t) or (P _c)		(P _w) or (P ₁) or (P _c)		(Hours)	(Barrels)	
Shut-In			P = 2 (1 = 1)	2			53	рыа	psig	psia			
Flow													
		1			J	FLOW STR	EAM ATTRIE	BUTES	<u> </u>				
Plate	1		Circle one:	Press	Gra		Flowing			Mataural Flam	GOR	Flowing	
Coeffiecient		Meter or Prover Pressure		Extension	Fac	tor 1	Temperature Fa		viation Metered Flow actor R		(Cubic Fe	(Argyity	
(F _b) (F _p) Mcfd		psia		✓ P _m xh	F	g	F _{ft}	'	pv	(Mcfd)	Barrel)	G _m	
									,				
					(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	.ATIONS		(P.):	² = 0.207	
)2 =		_:	(P _w) ² =	;	P _a =		% (P _c	, - 14.4) +	- 14.4 =	·		2 =	
(P _c) ² - (F			_c) ² - (P _w) ²	Choose formula 1 or a	LOG of			sure Curve e = "n"		ГЛ		Open Flow	
or (P _c) ² - (P _d) ²		V	c' 'w'	2. P _c ² -P _d ²	formula 1. or 2.			or ianed	- n x	LOG	Antilog	Deliverability Equals R x Antilog	
(, 0) (,	ď,			divided by: $P_c^2 - P_v$	and divide	P _c ² - P _w ²	1	rd Slope				(Mcfd)	
pen Flo	w			Mcfd @ 14	.65 psia		Deliverabil	lity		, N	//cfd @ 14.65 psi	ia	
•		igner	Lauthority o		-	states that h			to make t		t and that he ha		
		•	•				· · · · · · · · · · · · · · · · · · ·				t and mat he he		
e iacis s	iaieG 1	nerei	n, and that S	aiu report is tru	e and corre	.i. Executed	uns trie		uay UI			, 20	
			(sata	(if any)			_			Ear	ompany		
			Witness ((п ату <i>)</i>						FULCE	лпрану		
			For Comr	mission			_			Check	ked by		

exempt status und and that the forecorrect to the bes	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. going 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 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 Bucholtz 31-6
	ounds that said well:
	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 y to corroborate this claim for exemption from testing.
Date: _11/30/2012	
	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.