KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Reve	erse Side)				
	en Flo liverab				Test Date	: :				No. 15 181-20575 - 0	0-00		
Company Noble Er		Inc	······				Lease Bucholtz					Well Nu	mber
County Location Sherman NW-SW-NW-NE				Section 6	Section TWP			RNG (E/	W)		Acres Attributed		
Field Goodlan	ıd Nio	bran	a Gas Area		Reservoir Niobrara				Gas Gat Prairie	•	ection		
Completion Date 5/10/2011			Plug Back Total Depth 1484'			Packer S							
Casing Size Weight 7", 4 1/2" 17#, 11.6#			Internal E 9 7/8",			Set at 410', 1532'		Perforations 1342'		_{То} 1380'			
Tubing Size Weight 2 3/8" 4.7#			Internal D	Diameter	Set at 1397		Perforations		То	То			
Type Con Single (n (Di	escribe)		Type Flui Saltwa	d Productio ter	n		Pump Ur yes	nit or Traveling	Plunger? Yes	/ No	
Producing	g Thru	(Anı	nulus / Tubing	j)	% C	arbon Diox	ide		% Nitrog	en	Gas Gi	ravity - G	ìo
Vertical D	Pepth(l	1)				Pres	sure Taps				(Meter	Run) (Pr	over) Size
Pressure	Buildu	ıp:	Shut in	24 2	0_13_at_1	0:30	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	.ine:		Started 10/2	25 2	0_13_at_1	0:30	(PM)	Taken		20	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA	,		Duration of Shut	_{-in} _24	Hours
Static / Dynamic Property	Dynamic Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H _o 0	Flowing Well He Temperature Tempera		I Wellhead Pressure		Tubing Welthead Pressure (P _w) or (P ₁) or (P _c) psig psia		Duration Liq (Hours)		d Produced Barrels)
Shut-In							38	psid	p3.g	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			
Flow									<u> </u>				
			Circle one:			FLOW ST	REAM ATTRI	BUTES					Floring
Plate Coeffiecient (F _b) (F _p) Mcfd		Pro	Meter or over Pressure psia	Press Extension P _m xh	Grav Fac F ₍	tor	Flowing Temperature Factor F _{ft}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	r GOR (Cubic Fe Barrel)	eet/ ,	Flowing Fluid Gravity G _m
(P _c) ² =		_:	(P _w) ² =		(OPEN FL	• •	/ERABILITY) % (P		.ATIONS · 14.4 =	:		$0.2^2 = 0.2^2$ $0^2 = 0.2^2$	07
(P _c) ² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w$	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Slope	sure Curve e = "n" origned rd Slope	1 2	LOG	Antilog	Deli Equals	en Flow verability R x Antilog (Mcfd)
Open Flo	w			Mcfd @ 14.	.65 psia		Deliverabi	litv			Mcfd @ 14.65 ps	l sia	
		igne	d authority, or			states that h			o make th		rt and that he h		ledge of
the facts s	tated t	there	in, and that sa	aid report is tru	e and correc	t. Executed	this the 16	*	day of D	ecember	• • •		₂₀ <u>13</u> .
			Witness (i	f any)			_			For C	Company		VICHITA
			For Comm				_				Disked by	EC 3	1 2013
											•	REC	EIVED

	•
	der 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 fore correct to the bes of equipment inst	going pressure information and statements contained on this application form are true and st of my knowledge and belief based upon available production summaries and lease records callation and/or upon type of completion or upon use being made of the gas well herein named.
	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 see to supply to the best of my ability any and all supporting documents deemed by Commission my to corroborate this claim for exemption from testing.
Date: 12/16/201	<u>3</u> .
	Signature: Chily Abhison Title: Completions Supervisor

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. Signed and dated on the front side as though it was a verified report of annual test results.