KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

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Type Test	:				ζ	See Instruct	ions on nev	rerse Side	=)			3
	en Flo				Test Date	9 :				i No. 15		775
De	liverab	ilty							15-	023-20800-	0000	
Company Noble E		y Ir	1C.				Lease Zweyga	rdt			21-5	Well Number
County Location Cheyenne NE-NW				Section 5		TWP 4S			/W)	Acres Attributed		
						Reservoir Niobrara				Gas Gathering Connection Southern Star/Kinder Morgan		RECEIV
ompletic 0/5/200		е			Plug Bac 1506'	k Total Dept	th		Packer S	Set at		JAN 03
asing S ", 4-1/2			Weigh 17#, 9		Internal 0 9-7/8",		Set at 240', 1551'		Perforations 1380'		To 1452' KCC WICH	
				Internal E 1.995	Diameter		Set at 1413'		Perforations		1110	
pe Con		n (De	escribe)		Type Flui saltwat	d Production	n		Pump U yes	nit or Traveling	Plunger? Yes	/ No
roducing Ibing	Thru	(Anr	nulus / Tubing	3)	% C	Carbon Dioxi	de		% Nitrog	gen	Gas Gra	avity - G _g
ertical D	epth(F	1)				Pres	sure Taps		······································		(Meter F	Run) (Prover) Size
ressure	Builde:		3/6		0_12_at_1	:30	(AM) (PM)	Taken		20	at	/AM) /DM)
ressure /ell on L		μ. :	Started 3/7	2	12 at		\sim	Taken			at	
						OBSEDVE	D SUBEACE	E DATA			Duration of Chut	26.25
tatic /	atic / Orifi		Circle one: Meter	Pressure Differential	Flowing	Well Head	Casing Wollboad Prossure		Tubing		Duration of Shut-is Duration	nHours Liquid Produced
namic operty	Siz (inch	IZE Prover Pressure			Temperature t t		Wellhead Pressure (P _w) or (P ₁) or (P _c)		Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		(Hours)	(Barrels)
hut-In			prog (com)	110.103 1.20			psig 43	psia	psig	paig paid		
Flow												
				·		FLOW STR	EAM ATTR	IBUTES		,		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension ✓ P _m x h	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
				<u> </u>	(OPEN FL	OW) (DELIV	ERABILITY) CALCUL	ATIONS		(2.)	2 2 2 2 2
)² =		_:	(P _w) ² =	<u> </u>	P _d =		•	° - 14.4) +		<u></u> :	(P _a) ²	2 = 0.207 2 =
(P _c) ² - (I or (P _c) ² - (I	P _a) ²	(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: $P_c^2 - P_a^2$	1. P _c ² - P _s ² LOG of formula 2. P _c ² - P _d ² 1. or 2. and divide		Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LO	rog	Antilog	Open Flow Deliverability Equats R x Antilog (Mcfd)
pen Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility			//////////////////////////////////////	a
*		igned	d authority, or			states that h			to make t		t and that he ha	
facts s	tated t	herei	n, and that sa	aid report is true	and correc	t. Executed	this the 30	<u> </u>	day of _	lovember		, 20 12
			Witness (i	f any)			_			For Co	ompany	
			For Comm							Check		·

JAN 0 3 2013

	KCC WICHITA
l declare und	er penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status und	der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.
and that the fore	going pressure information and statements contained on this application form are true and
orrect to the bes	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 Zweygardt 21-5
jas well on the gr	ounds that said well:
(Check	onel
755776)	is a coalbed methane producer
H	is cycled on plunger lift due to water
片	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
片	is not capable of producing at a daily rate in excess of 250 mcf/D
لسنسا	
I further agre	e to supply to the best of my ability any and all supporting documents deemed by Commissio
staff as necessar	y to corroborate this claim for exemption from testing.
Date: 11/30/2012	<u>. </u>
Date: 11/30/2012	2
Date: <u>11/30/2012</u>	2
Date: <u>11/30/2012</u>	
Date: <u>11/30/2012</u>	<u>.</u>
Date: <u>11/30/2012</u>	Signature:
Date: <u>11/30/2012</u>	Signature:
Date: <u>11/30/201</u> 2	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.