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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:	:					0	See Instr	ucti	ions on Rev	verse Side	e)							
Ope	en Flo	w									45		45					
Del	liverab	ilty				Test Date) :					1 No -02:	. 15 3-20800 -	-0000				
Company Noble Energy Inc				Lease Zweygardt										Well Number 21-5				
County Cheyenne			Location NE-NW			Section 5				TWP 4S		RNG (E/W) 41W			Acres Attributed			
Field Cherry C	reek			·············		Reservoir Niobrara							ing Conne Star/Kinde		an			
Completic 10/5/200	n Dat	e				Plug Bac 1506'	k Total D	epti	ħ		Packer							
Casing Size 7", 4-1/2"			Weigl 17#,			Internal Diameter 9-7/8", 6-1/4"			Set & 240'	Perforations 1380'			то 1452'					
Tubing Size 2-3/8"			Weight 4.7#			Internal Diameter 1.995			Set at 1413'		Perforations			То				
Type Com		n (De			······································	Type Flui Saltwa		tion		<u> </u>	Pump U Yes	Init o	or Traveling	Plunger?	Yes	/ No		
Single ((Anr	nulus / Tubin	a)			arbon Di	oxio	de		% Nitro	gen			Gas Gr	avity - (
Tubing	,	(,		91							,	3					0	
Vertical D	epth(F	1)					Pi	ress	sure Taps						(Meter	Run) (P	rover) Size	
Pressure	Buildu	p:	Shut in <u>3/2</u>	0	2	0_13_at_1	2:00		(AM) (PM)	Taken			20	at			(AM) (PM)	
Well on Li	ine:	:	Started 3/2	1	20	0 <u>13</u> at <u>1</u>	:00		(AM) (PM)	Taken			20	a1_		((AM) (PM)	
							OBSER	VE	D SURFACE	E DATA				Duration	of Shut-	_{in} 25	Hours	
Static / Dynamic Property	Orifi Siz (inch	e	Circle one: Meter Prover Press	ure	Pressure Differential in	Flowing Temperature t	Well Hea		Cas Wellhead (P _w) or (P	Pressure			ng Pressure	Dura (Hou		,	d Próduced Barrels)	
Shut-In	(IIICI)		psig (Pm)	1	Inches H ₂ 0	•	,		psig 49	psia	psig		psia					
Flow				\dashv								\neg						
							FLOW S	TR	EAM ATTR	IBUTES								
Plate Coeffieci (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia		Press Extension P _m x h	Grav Fac F	tor	Т	Flowing emperature Factor F _{ft}	Fa	viation actor F _{pv}		Metered Flov R (Mcfd)	l l	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
				<u> </u>								<u> </u>						
(P _c) ² =		_:	(P _w)² =		:	(OPEN FL	, -		ERABILITY % (f	') CALCUI P _e - 14.4) +			:		(P _a)	² = 0.2	07	
(P _c) ² - (F or (P _c) ² - (F		(F	P _c) ² - (P _w) ²	Choo	i. P _c ² - P _a ² . 2. P _c ² - P _d ² ed by: P _c ² - P _d ²	LOG of formula 1. or 2. and divide		2	Slo	essure Curve pe = "n" - or signed lard Slope	i	LOG	a [Anti	log	Del Equals	pen Flow iverability s R x Antilog (Mcfd)	
				U. FAU!			h				_							
Open Flor					Mcfd @ 14,	65 psia			Deliverat	pility				Mcfd @ 1	4.65 ps	ia		
		•	d authority, c						•		to make t		•	rt and th	at he ha		ledge of 20 13 .	
			Witness	(if any	·)			_	-				For C	Company	K	CC V	VICHITA	
			For Com	nissio	n .			_	-				Che	cked by	ח	בר י	0 2013	
															U	ii J	v 2013	

	tre under penalty of perjury under the laws of the state of Kansas that I am authorized to request tus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that th correct to t of equipme I hereb	ne foregoing pressure information and statements contained on this application form are true and the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. By request a one-year exemption from open flow testing for the Zweygardt 21-5 In the grounds that said well:
l furthe	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 er agree to supply to the best of my ability any and all supporting documents deemed by Commission cessary to corroborate this claim for exemption from testing.
	Signature: Kelle millo Title: Regulatory Analyst

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.

DEC 3 0 2013

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