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## KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:				6	See Instru	ctions	on Rev	erse Side	e)						
Ор	en Flo	w			Test Date	<b>.</b> .				A D I	No. 15					
De De	liverat	oilty			lesi Dale	<b>7</b> .					023-21050 <b>-</b>	00-00				
Company Noble Er		inc			<del></del>			ase weygar	dt				11-6	Well Nu	mber	
County Cheyenne			Locati E2-E2-	on NW-NW	Section 6			VP S		RNG (E/W) 41W			Acres Attributed			
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Southern Sta				Connection /Kinder Morgan				
Completic 7/31/200		te			Plug Bac 1567'	k Total De	pth			Packer S	Set at					
Casing Size 7", 4-1/2"			Weigh	10.5#	Internal Diameter 9-7/8", 6-1/4"			Set at 224'.	1610'	Perforations 1410'			то 1450'			
Tubing Size 2-3/8"			Weigh 4.7#		Internal Diameter			Set at	<u> </u>	Perforations			То			
Type Completion (I Single (gas)		•		· · · · · · · · · · · · · · · · · · ·	Type Fluid Production Saltwater			1400		Pump Unit or Traveling Plunge Yes			ger? Yes / No			
			nulus / Tubin	g)		arbon Dio:	xide	· ·	<del> </del>	% Nitrog	en		Gas Gr	avity - G		
Tubing	•	`		<i>3</i> ,						_				•	•	
Vertical D	epth(l	H)				Pre	ssure	Taps					(Meter F	Run) (Pr	over) Size	
Pressure	Buildu	ıp:	Shut in 3/1	9 2	0_13_at_3	:30	_ (AM)	) (PM)	Taken		20	) at_		(	AM) (PM)	
Well on L	.ine:		Started 3/2	<u>0</u> 2	0 <u>13</u> at 3	:30	_ (AM)	) (PM)	Taken		20	at_		(	AM) (PM)	
						OBSERV	ED SU	JRFACE	DATA			Duration	of Shut-	in_24	Hours	
Static / Dynamic Property	namic Size		Circle one: Meter Prover Press:	J	Temperature Temper		ature $(P_w)$ or $(P_1)$ or $(P_c)$			Wellhe	Tubing ad Pressure r (P <sub>t</sub> ) or (P <sub>e</sub> )	1	Duration (Hours)		Liquid Produced (Barrels)	
Shut-in			psig (Pm)	Inches H <sub>2</sub> 0			10	esig	psia	psig	psia			-		
Flow																
						FLOW ST	REAM	ATTRI	BUTES							
Plate Coeffictient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension √ P <sub>m</sub> xh	Grav Fac	tor	Tempe Fac	Flowing I I I I I I I I I I I I I I I I I I I		viation actor F <sub>pv</sub>	Metered Flo R (Mcfd)	w	GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G <sub>m</sub>	
					(ODEN 5)	OW) (DEL	WEDA	DII ITV	CALCUI	ATIONS						
(P <sub>c</sub> ) <sup>2</sup> ≈		_:	(P <sub>w</sub> ) <sup>2</sup> =	::	(OPEN FL P <sub>d</sub> =		_%	-		+ 14.4 =	:		(P <sub>a</sub> )	2 = 0.2 2 =	07 	
(P <sub>c</sub> ) <sup>2</sup> - ( or (P <sub>c</sub> ) <sup>2</sup> - (	-	(1	2 <sub>c</sub> )²- (P <sub>w</sub> )²	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> -P <sub>s</sub>	LOG of formula 1, or 2, and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	-	Slop  Ass	sure Curv e = "n" or igned ard Slope	n x	roe	Ant	tilog	Dell Equals	en Flow verability R x Antilog Mcfd)	
									·	_						
Open Flo	)w	<u></u>		Mcfd @ 14	.65 psia		De	eliverab	ility			Mcfd @	14.65 ps	ia		
		_	-	on behalf of the								ort and th	nat he ha		ledge of 20 13 .	
<u>-</u> _			Witness	(if any)	·			_			For	Company	K	CC V	VICHI1	
			For Com	mission				_			Ch	ecked by	D	EC 3	0 2013	

	lare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	tatus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	the 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
	nent installation and/or upon type of completion or upon use being made of the gas well herein named.
	eby request a one-year exemption from open flow testing for the Zweygardt 11-6
gas well o	on the grounds that said well:
	(Check one)
	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
l furti	her agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as n	necessary to corroborate this claim for exemption from testing.
Date: 12	/13/2013
	Signature: Kolenlu mills
	Signature: Kulm mills  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.

KCC WICHITA

DEC 3 0 2013

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