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

Type Test	t:		<b>U.1.</b>		(	See Instruct	tions on Rev	erse Side	e)		, , , ,			
	en Flo				Test Date	e: .			API	No. 15				
☐ De	liverat	oilty							15-	023-21005-0	00-00			
Company Noble Energy, Inc.				Lease Zweygardt		dt			22-6	Well Number 22-6				
County Location Cheyenne NE-NE-SE-NW			Section 6		TWP 4S		RNG (E/W) 41W			Acres Attributed				
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Co. Southern Star/Kir							
Completion Date 4/14/2008			Plug Bac	Plug Back Total Depth			Packer S				<u> </u>			
Casing Size Weight				Internal Diameter 9-7/8", 6-1/4"		Set at 254', 1725'		Perforations 1485'		то 1518'				
7", 4-1/2" Tubing Size			17#, 11.6# Weight		Internal Diameter		Set at		Perforations		To			
2-3/8" 4.7#				1.995		1533'								
Type Completion (D Single (gas)			Jescribe)		Type Fluid Production saltwater		1		Pump Unit or Traveling F		Plunger? (Ye	Plunger? (Yes) / No / Umana		
	g Thru	(Anı	nulus / Tubing	g)	% (	arbon Dioxi	de		% Nitrog	jen	Gas	Gravity - (	G <sub>p</sub>	
tubing							•							
Vertical D	Depth(I	H)				Pres	sure Taps				(Mete	r Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in 10/	29 2	13 at 1	:00	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on L	.ine:		Started 10/	30 . 2			_				at			
						OBSERVE	D SURFACE	DATA			Duration of Sh	ut-in_25	Hours	
Static / Orifice Dynamic Size Property (inches			Circle one: Meter	Pressure Differential	Flowing	Well Head Temperature	L Wollhood Proceura		Tubing  Wellhead Pressure $(P_w)$ or $(P_l)$ or $(P_c)$ psig psia		Duration	Liqui	Liquid Produced (Barrels)	
			Prover Pressu psig (Pm)	in Inches H <sub>2</sub> 0	Temperature t	t					(Hours)	(		
Shut-In							165							
Flow			: 						<u> </u>					
				1		FLOW STR	REAM ATTRI	BUTES						
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Gra Fac F	tor 3	Flowing Temperature Factor F <sub>11</sub>	I Deviati		Metered Flor R (Mcfd)	w GO (Cubic Barr	Feet/	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =			(P <sub>w</sub> ) <sup>2</sup> =		(OPEN FL		'ERABILITY) % (P.	CALCUL - 14.4) +				$(a_a)^2 = 0.2$ $(a_b)^2 = 0.2$	207	
		<u>-</u> -		Choose formula 1 or 2	<u>:</u>		1	sure Curve		<u>`</u>			pen Flow	
$(P_c)^2 - (P_a)^2$		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>	LOG of formula		Slop	e = "n" or	l n x	LOG	Antilog		pen Flow liverability	
or (P <sub>c</sub> )²- (	P <sub>d</sub> ) <sup>2</sup>			2. P <sub>c</sub> <sup>2</sup> -P <sub>d</sub> <sup>2</sup>	1. or 2. and divide	P <sub>c</sub> <sup>2</sup> . P <sub>w</sub> <sup>2</sup>	Ass	igned			,vg		s R x Antilog (Mcfd)	
				divided by: $P_c^2 \cdot P_w$	2 by:		Standa	rd Slope	-					
Open Flo	w			Mcfd @ 14	.65 psia		Deliverabi	lity	····		Mcfd @ 14.65	osia		
		-	•				•			•	ort and that he		_	
he facts s	tated 1	there	in, and that s	aid report is tru	e and correc	t. Executed	this the _26		day of	ecember			<sub>20</sub> <u>13</u> .	
•							_					KCC	MICH	
			Witness (								Company	DEC	3 1 2013	
			For Comn	nission		**************************************	_			Che	cked by	RE	CEIVE	

i 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 tof 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 theZweygardt 22-6
gas well on the gr	ounds 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 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: 12/26/13	
	Signature: <u>Cleuf Diccom</u> Title: <u>Completions Supervisor</u>

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 **KGCOW FORHERA** signed and dated on the front side as though it was a verified report of annual test results.

DEC 3 1 2013