KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

			K	ANSAS	CORPO	ORATION	ı Coı	/MISS	ION		ı	Form G-2 (Rev. 7/03)	
Type Test	t:	ONE P		FABILIZ	ED OPE		V OR I	DELIV	ERABILITY	TEST		3	
Op	en Flow			Test Date	a.			A Di	l No. 15		•	/	
Deliverabilty			rest Date.			15-023-20852 -000			······				
Company Noble E	/ Energy	Inc.				Lease Zweygar	rdt			32-33	Well Numb	er	
County Location Cheyenne SWNE			Section 33		TWP 3S		RNG (E/W) 41W		,	Acres Attributed RECEIV			
Field Cherry Creek		Reservoi Niobrar				Gas Gathering Connection Southern Star/Kinder			on				
Completi	on Date			Plug Bac	a k Total Dept	h		Packer		i Worgan		C U 5 2	
1/24/200 Casing S		Weight		1592' Internal I	Diameter	Set at	t	Perfo	orations	То	KCC	WICH	
	7", 4-1/2" 17#, 10.5#		.5#	9-7/8", 6-1/4"		242', 1635'		1392'		1434'			
Tubing Size Weight 2-3/8" 4.7#			1.995	nal Diameter Set at 95 1481'		Perforations To							
Type Completion (Describe) Single (gas)			Type Fluid Production saltwater			Pump Unit or Traveling Plunger? Yes yes			/ No				
Producing Thru (Annulus / Tubing)			% (% Carbon Dioxide			% Nitrogen		Gas Gravity - G _g				
tubing Vertical D	Depth(H)				Pressure Taps					(Meter F	Run) (Prove	er) Size	
	·····	4/40	,	40 4	0.45					·			
Pressure	Buildup:	Shut in		0_12_at_1		(AM) (PM)	Taken		20 _	at	(AM) (PM)	
Well on L	ine:	Started 1/20	20	12 at 1	.00	(AM) (PM)	Taken		20 _	at	(AM) (PM)	
					OBSERVE	D SURFACE	DATA	,		Ouration of Shut-	_{in} 26.75	Hours	
Static / Dynamic	Orifice Size	Meter	7		Flowing Well Head Temperature		Casing Wellhead Pressure		Tubing Wellhead Pressure		Liquid Pro	Liquid Produced	
Property	(inches)	Prover Pressure psig (Pm)	in Inches H ₂ 0	t	t	(P _w) or (P _I) or (P _c) psig psia		(P _w) or (P _t) or (P _c) psig psia		(Hours)	(Barre	(Barrels)	
Shut-In						77							
Flow													
	<u> </u>				FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiec	ient	Circle one: Press Meter or Extensi		Grav	· 1 7	emperature I		riation	Metered Flow	GOR (Cubic Fe		lowing Fluid	
(F _b) (F Mcfd	p'	Prover Pressure psia P _m x h		Factor "		Factor		actor R F _{pv} (Mcfd)		Barrel)	en (Gravity G _m	
		·		(OPEN FL	OW) (DELIV	ERABILITY)	CALCUL	ATIONS		(P.)	= 0.207		
(P _c) ² =	<u> </u>	(P _w) ² =	ose formula 1 or 2:	P _d =		% (P,	_c - 14.4) +	14.4 = _			= 0.207		
(P _c) ² - (P _a) ²		(P_c) ² - (P_w) ² 1. P_c ² · P_a ²		LOG of		Backpressure Curve Slope = "n"		n x ŁOG			Open Flow Deliverability		
or (P _c) ² - (I		2. P _c ² -P _d ²		formula 1. or 2. and divide by: p 2 p 2		Assigned Standard Slope		- " ^ 254		Antilog Equals R x Antilog (Mcfd)		Antilog	
		divi	ded by: $P_c^2 - P_w^2$	by:	<u> </u>	Standa	ird Slope				(NICI		
Open Flo	w		Mcfd @ 14.6	R5 neia		.l Deliverabil	litu			lofd @ 14 65 ooi	L		
		ed authority, on t			etatae that b			o maka ti		lcfd @ 14.65 psi			
		ein, and that said									-		
	atou Hill	un, unu mat salu	roport is true	and correc	LACCULED	ans the		uay UI		.,	, 20	•	
		Witness (if ar	y)			_			For Co	mpany			
		For Commissi	on						Chack	and have			

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. and that the foregoing pressure information and statements contained on this application form are true and correct to the best of my knowledge and belief based upon available production summaries and lease records of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Zweygardt 32-33 gas well 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 I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
Staff as necessary to corroborate this claim for exemption from testing. Date: 11/30/2012
Signature: 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.