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

Type Test	:				6	See Instruc	tions on Re	verse Side	)					
=	en Flo liverab				Test Date	<b>:</b> :			API N 15-02	o. 15 23-21312-00	0-00			
Company Noble Energy Inc					Lease R. Zweygardt			/gardt		۱ 43-32	Well Number 43-32			
County Cheyenr	ne		Locati SE-NW	on '-NE-SE	Section 32		TWP 5S		RNG (E/W 39W	)	A	Acres At	tributed	
Field Prairie S	tar				Reservoir Niobrara				Gas Gathe Kinder M	ering Connec	ction			
Completio 6/1/2011		8			Plug Bac 1509'	k Total Dep	th		Packer Se	t at				
Casing S 7", 4-1/2			Weigh 17#,	t 11.6#	Internal E 9-7/8",		· Set a 391	nt ',1556'	Perfora 1334'	tions	To 1362'		<del> </del>	
Tubing Size Weight 2-3/8' 4.7#					Internal E	Diameter	Set a	at	Perfora	tions	То	То		
Type Con Single (		n (De				d Productio ter	n			or Traveling	Plunger? (es)	/ No	·····	
		(Ann	ulus / Tubing	<u> </u>		arbon Diox	ide		% Nitroger	1	Gas Gra	avity - G		
Tubing Vertical D	epth(F	1)	<del></del>			Pres	sure Taps				(Meter F	Run) (Pro	over) Size	
		,	404	40	4	•					•			
Pressure	Buildu	-	thut in		0 13 at 1		$\subseteq$				at	,	,	
Well on L	ine:	S	started 10/	2	0 13 at 1	0.30	. (AM) (PM)	Taken		20 _	at	( <i>f</i>	AM) (PM)	
						OBSERVE	D SURFAC	E DATA	<b></b>	]	Duration of Shut-	in 24.5	Hours	
Static / Dynamic	Orifi Siz	ا ۵	Circle one: Meter	Pressure Differential	Flowing Temperature	Well Head Temperature	Cas Wellhead	Pressure	Wellhead	Pressure	Duration		Produced	
Property	(inch	es)	Prover Pressu psig (Pm)	in Inches H <sub>2</sub> 0	t	t	(P <sub>w</sub> ) or (F	psia	P <sub>w</sub> ) or (I	psia	(Hours)	(B	arrels)	
Shut-In							54					<u> </u>		
Flow			,		· •							<u> </u>		
	1			<u></u>		FLOW STI	REAM ATTR	IBUTES	i		İ			
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient p)	- 1	Circle one: Meter or rer Pressure psia	Press Extension ✓ P <sub>m</sub> x h	Grav Fac F	tor	Flowing Temperature Factor F <sub>11</sub>	Fa	iation ctor pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>	
				-										
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup> =	: Choose formula 1 or 2			/ERABILITY % (i		ATIONS 14.4 =	;	-	$(P_a)^2 = 0.207$ $(P_d)^2 = $		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>o</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Choose formula 1 or 2  1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	P <sup>2</sup> -P <sup>2</sup> LOG of formula P <sup>2</sup> -P <sup>2</sup> 1. or 2.		Šlo As	Backpressure Curve Slope = "n" or Assigned Standard Slope		og [ ]	Antilog D		en Flow verability R x Antilog Mofd)	
Open Flow Mctd @ 14.65 psia							Deliverability Mcfd @ 14.65 psia							
		•	•				•			•	t and that he ha			
the facts s	tated t	hereir	n, and that s	aid report is tru	e and correc	t. Execute	d this the <u>2</u>	7	day of De	cembeR	VCC		0 <u>13                                    </u>	
			Witness (	if any)			-		<del> </del>	For Co	ompany		CHITA	
			For Comp	nission	=		-			Check	DEI ked by	C 3 1	<b>ZU13</b>	
											F	RECE	IVED	

	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
correct to of equipm	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 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 R Zweygardt 43-32 in the grounds 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  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.
Date: 12	
	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.