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

Type Tes	t:			•	ť	See Instruc	tions on Re	verse Side	<del>)</del> )					
= '	en Flo eliverat				Test Date	<b>9</b> :				I No. 15 -023-20783-	00-00			
Company Noble E		inc					Lease <b>Zweyg</b> a	ırdt			<del></del>	Well Nu	mber	
County Location Cheyenne SW-SE			Section 32		TWP 3S		RNG (E/W) 41W		Acres Attributed					
Field Cherry (					Reservoi Niobrar		······································			thering Conrern Star/Kind				
Completi 9/21/200		te			Plug Bac <b>1549</b> '	k Total Dep	th		Packer	···				
Casing Size 7", 4-1/2"			Weigh 17#, 9		Internal Diameter 9-7/8", 6-1/4"		Set at <b>292', 1589'</b>		Perforations 1384'		то 1456'			
Tubing S 2-3/8"	ize					То		·*····································						
Type Cor Single (		n (D	escribe)		Type Flui Saltwa	d Productio	n		Pump U Yes	nit or Traveling	g Plunger? Yes	/ No		
Producing	g Thru	(An	nulus / Tubing	))	% (	Carbon Diox	ide		% Nitro	gen	Gas Gr	avity - (	ag	
Vertical E	Depth(F	<del>1</del> )			77-7-10	Pres	sure Taps		•••		(Meter F	Run) (P	rover) Size	
Pressure	Buildu		Shut in _4/14		0_11_at_1	0:00	(PM)	Taken		20	at	(	AM) (PM)	
Well on L	ine:		Started 4/18	32	o <u>11</u> at <u>1</u>	0:00	(PM)	Taken		20	at	(	AM) (PM)	
						OBSERVE	D SURFAC	E DATA		***	Duration of Shut-	<sub>n</sub> 96	Hours	
Static / Dynamic Property	Orifi Siz (inch	:е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P <sub>w</sub> ) or (P	Pressure	Wellhe	Tubing ead Pressure or (P <sub>t</sub> ) or (P <sub>c</sub> ) psia	Duration (Hours)	Liqui	Hours  Produced  Barrels)	
Shut-In						-	260	рыа	psig	psia			· · · · · · · · · · · · · · · · · · ·	
Flow														
	- 1					FLOW STR	REAM ATTR	IBUTES		· · · · · · · · · · · · · · · · · · ·				
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient	Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> xh	Grav Fact	tor 3	Flowing Temperature Factor F <sub>ft</sub>	,	iation ctor pv	Metered Flor R (Mcfd)	w GOR (Cubic Fee Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>w</sub> ) <sup>2</sup> =	:	(OPEN FLO		ERABILITY	) CALCUL <sup>2</sup> c - 14.4) +		:	$ (P_a)^2 $ $ (P_d)^2 $	= 0.2	07	
(P <sub>c</sub> ) <sup>2</sup> - (F or (P <sub>c</sub> ) <sup>2</sup> - (F		(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> 1. Midded by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>	Backpre: Slop Ass	ssure Curve be = "n" or signed ard Slope	n x	roe	Antilog ·	Op Deli Equals	en Flow verability R x Antilog Mcfd)	
				·										
Open Flov	l	• • • • • • • • • • • • • • • • • • • •		Mcfd @ 14.	65 psia		Deliverab	ility			Mcfd @ 14.65 psia	··········		
<u> </u>		igned	d authority, on			tates that h			o make th		rt and that he has		edge of	
				id report is true						ecember	<del>//</del>		20 11 .	
			Witness (if	any)			_(	CK e	ryl	For	Company RE	CEI	VED_	
<del>-</del>			For Commis	ssion			_			Cher	DE	C 2 8	2011	

KCC WICHITA

exempt status under and that the forego correct to the best of equipment instal I hereby reque	r penalty of perjury under the laws of the state of Kansas that I am authorized to request the Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.  Sing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records ation and/or upon type of completion or upon use being made of the gas well herein named. State one-year exemption from open flow testing for the Zweygardt 34-32 unds 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 to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary  Date: 12/12/2011	to corroborate this claim for exemption from testing.
	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.

DEC 2 8 2011