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

Type Tes	t:				(	See Instru	ctions on Rev	erse Side	e)				
	oen Flo eliveral				Test Date	<b>:</b> :				I No. 15 3-20945-00-0	10		
Company Noble E		, Inc					Lease Zweygar	dt			12-32	Well Nu	mber
County Location Cheyenne SW-NW			Section 32		TWP 3S			RNG (E/W) 41W		Acres Attributed			
Field Cherry (	Creek	Niol	orara Gas A	√rea	Reservoir Niobrara					thering Conne Morgan via l	ection ampe Compre	ssor	
Completion Date 2/13/2008				Plug Back Total Depth 1668'			Packer N/A	Set at					
Casing Size 7", 4-1/2"			Weigl 17#,	ht 10.5#	Internal Diameter 9-7/8", 6-1/4"			Set at 299', 1710'		orations 'O'	то 1508'	-	
Tubing Size 2-3/8"		***************************************	Weigl 4.7#	ht	Internal ( 1.995"	Internal Diameter 1.995"		Set at <b>1528</b> '		Perforations		То	
Type Completion (Describe) Single (Gas)			escribe)		Type Flui Saltwa	d Production	on		Pump U Yes	nit or Traveling	ng Plunger? Yes / No		
Producing	g Thru	(An	nulus / Tubin	g)	% C	arbon Dio	xide		% Nitro	gen	Gas Gr	avity - (	a <sub>g</sub>
Vertical D	Depth(l	H)				Pre	ssure Taps				(Meter I	Run) (P	rover) Size
Pressure	Buildu	ıp:	Shut in 3/3	3/ 2	0 <u>09</u> at 8	:30	_ (AM) (PM)	Taken		20	at	(	AM) (PM)
Well on Line:			Started <u>3/4/</u> 20		0 <u>09</u> at <u>1</u>	09 at 1:30		(AM) (PM) Taken		20		at (A	
						OBSERV	ED SURFACE	DATA			Duration of Shut-	<sub>in</sub> _29	Hours
Static / Orifi Dynamic Siz Property (inch		ze Prover Pressure			Flowing Well Head Temperature t t		Casing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration Lie (Hours)		d Produced Barrels)
Shut-In							100		F3				
Flow									<u> </u>				
<u> </u>				7	1	FLOW ST	REAM ATTRI	BUTES		<u> </u>	1		
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Circle one:  Meter or  Prover Pressure  psia		Press Extension √ P <sub>m</sub> xh	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>11</sub>	Fa	riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	et/	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		<u></u> :	(P <sub>w</sub> ) <sup>2</sup> =	=:	(OPEN FLO		VERABILITY) _% (P,	CALCUL , - 14.4) +		·	(P <sub>a</sub> )	2 = 0.2 2 =	07 
(P <sub>c</sub> ) <sup>2-</sup> - (I	_	(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>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> divided by: P <sub>c</sub> <sup>2</sup> - P <sub>a</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>	Slope	sure Curve e = "n" or gned rd Slope	l n x	LOG	Antilog	Del Equals	en Flow iverability R x Antilog (Mcfd)
Open Flo	w	<u> </u>		Mcfd @ 14.	65 psia		Deliverabi	ity			Mcfd @ 14.65 psi	a	
The	unders	igne	d authority, o	n behalf of the	Company, s	tates that	he is duly aut	horized t	_,	, ,	rt and that he ha	s know	ledge of
the facts s	tated t	herei	n, and that s	aid report is true		t. Execute		th /	day of S	October /	SiDh		20 <u>09</u> .
			Witness (	(if any)	P/O	V 05	2009		_	For C	ompany		
			For Comr	mission	VM	WIC	— АТІН			Chec	ked by		
					18.00	> <b>४४</b> 10	11117						

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 12-32
gas well on 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
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:
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.