KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST (See Instructions on Reverse Side)

Type Test:	:					(See Insi	tructions o	n Heve	erse Side	9)						1	L
	en Flo iverab					Test Date	e:					I No. 15 -02 3- 210	002-00)-00			mber	うっと
Company Noble E		jy li	ıc.					Lea Zw	ase reygar	dt					13-1	Well Nu	mber	~7 _
County Location Cheyenne W2-E2-NE-SE				Section					RNG (E/W) 42W			Acres Attributed						
Field				1 4S Reservoir					Gas Gathering Connection						RECE	٦/		
Cherry Creek				Niobrara				Southern Star/Kinder Morgan				1)~ <u> </u>	_ '			
Completion Date 7/10/2008					Plug Back Total Depth 1605'					Packer Set at					<i>ــ</i>	RECEI DEC 05 C WIC	- '	
Casing Si. '", 4-1/2'			Weig 17#,		6#	Internal [9-7/8",		Set at 211'		Perforations 1428'				го 464'	۸C	C W_{IC}	Н	
Tubing Size Weight				Internal (····	211', 1647' Set at		Perforations			То							
2-3/8" 4.7#				1.995			1503'											
Type Completion (Describe) Single (gas)					Type Fluid Production saltwater					Pump Unit or Traveling Plunger? Yes / No yes						_		
Producing Thru (Annulus / Tubing) tubing				% C	% Carbon Dioxide					% Nitrogen Gas 0				Gravity - G _g				
Vertical Depth(H)						Pressure Taps					(Meter Run) (Prover) Size					t-sin		
Pressure I	Buildu	p:	Shut in 6/2	26	2	0 12 at 3	:30	(AM)	(PM) 1	Taken	***************************************	····	_ 20 _	at		(AM) (PM)	
Well on Line: Started 6/27 20			12 at 3	12 at 3:45			(AM) (PM) Taken		20		at		(AM) (PM)					
									\sim							. 24.	25	-
			Circle one:		Pressure		OBSEI	RVED SUI	RFACE Casin		Ţ <u> </u>	Tichina		Ouration o	f Shut-	in	Hour	s T
•		ifice Mete		Differential				nerature Wellhead		ressure Wellh		Tubing ead Pressure		Duration		Liquid Produced		
roperty	(inches)		Prover Pressure psig (Pm)		in Inches H ₂ 0	t	t	(P,	(P _w) or (P _t)			P_w) or (P_t) or (P_c) osig psia		(Hours)		(Barrels)		
Shut-In								97	.9	psia	Poig							1
Flow				1								-				-		$\frac{1}{2}$
							EL OW	STREAM	ATTOI	DIITES	1					<u> </u>		ز
Plate			Circle one:	Τ	Press			Flowi									Flowing	7
Coeffiecient		Meter or Prover Pressure			Extension	Fac	Gravity Factor		Temperature Factor		iation Metered Flow ctor R			(Cubic Fe		Gravity		
(F _b) (F _p) Mcfd		7.10	psia		√ P _m xh	F _g		Factor F _{ft}		F	pv	(Mcfd)		Barrel)			Gravity G _m	١
											•							1
	I					(OPEN FL	OW) (DE	IVERAR	H ITV)	CALCIII	ATIONS	<u> </u>						J
P _c) ² =			(P)2	=		P _d =		%	•		14.4 =		:		(P _a) ² (P _d) ²	² = 0.2 ² =	07	
				Cho	ose formula 1 or 2:					sure Curve		Г			7. 47	Γ.	en Flow	٦
(P _c) ² - (P _a) ² or		(F	(P _c) ² - (P _w) ²		1. P _c ² -P _s ²	LOG of formula		1 1 ' '		e = "n" or	n x LOG			Antilog		Deliverability		
(P _c) ² - (P _d) ²					2. P _c ² -P _d ²	1. or 2. and divide p 2 p		1 1		gned					/g		Equals R x Antilog (Mcfd)	
				DIVIO	ed by: P _c ² -P _w ²				Otarioa	- Clopo	_						,	┥
																		\downarrow
																		╛
)pen Flov	V				Mcfd @ 14.	65 psia		Del	iverabil	ity		• • • •	M	lcfd @ 14	.65 psi	ia		_
The u	ındersi	igne	d authority,	on b	ehalf of the	Company,	states th	at he is d	uly aut	horized t	o make t	he above	report	and that	he ha	s know	ledge of	
e facts st	ated t	herei	n, and that	said	report is true	and correc	t. Execu	uted this th	ne <u>30</u>		day of _	lovemb	er				20 12	
·····		~~	Witness	(if any	<i>'</i>)			_	_				For Co.	mpany				-
																		_
			For Com	missio	n								Check	ed by				

	der penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc.
	going pressure information and statements contained on this application form are true and
	st of my knowledge and belief based upon available production summaries and lease records
• •	callation and/or upon type of completion or upon use being made of the gas well herein named. Lest a one-year exemption from open flow testing for the Zweygardt 43-1
	rounds that said well:
(Chec	k 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
<u></u>	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
_	ee to supply to the best of my ability any and all supporting documents deemed by Commission ry to corroborate this claim for exemption from testing.
Date: 11/30/201	2
	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 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.