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

Type Test	:					(	See Ins	structi	ons on Re	verse Sidi	e)						
_	en Flo					Test Date	e:					No. 15					
Company	liverab	шу							Lease		15-	023-20843-	00-00		Well Nu		
Noble Er		Inc							Zweyga	ırdt				23-31	************		
County Location Cheyenne NE-SW				Section 31			TWP 3S		RNG (E/W) 4 <b>1 W</b>		Acres Attributed			Attributed			
Field Cherry Creek				Reservoir Niobrara					Gas Gathering Connection Southern Star/Kinder M				_				
Completion Date 7/10/2008				Plug Bac 1634'	k Total	Depti	٦		Packer Set at								
Casing Size Weight 17#, 11.6#				Internal Diameter 9-7/8", 6-1/4"			Set at 317', 1678'		Perforations 1472'		To 1510'						
Tubing Size We						Internal Diameter 1.995			Set at 1530'		Perforations		То				
Type Completion (Describe)				Type Fluid Production						Init or Traveling Plunger		ger? 🐠	er? <b>⊘</b> eJ / No				
Single (gas) Producing Thru (Annulus / Tubing)					saltwater % Carbon Dioxid			e		yes <b>Rod</b> % Nitrogen		Pump Bas Gravity - G					
ubing /ertical D	)enth(F	0						Press	sure Taps					(Meter I	Run) (P	rover) Size	
erricar b	zepui(i	1)			•			1 1033	ore raps					(1110101	10, (		
Pressure	Buildu	p:	Shut in 3/7			13 at 8			(AM)(PM)	Taken		20		at		(AM) (PM)	
Vell on L	.ine:		Started 3/8		20	13 at 1	1:00		(AM)(PM)	Taken		20		at	·	(AM) (PM)	
							OBSE	RVE	D SURFAC	E DATA			Dura	tion of Shut-	in _26	Hours	
Static / Orifice Dynamic Size Property (inches		e	Meter Prover Pressure		Pressure Differential in	Flowing Well Here Temperature Temperature t		ature (P <sub>w</sub> ) or (P <sub>t</sub> )		Pressure	Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)			Liquid Produced (Barrels)	
		68)			Inches H <sub>2</sub> 0					psia	psig	psig psia					
Shul-In							<u> </u>		136						-		
Flow	ļ						EL OW	etb.	EAM ATTR	IBLITES			İ				
Plate	,		Circle one:	Γ	Press			314	Flowing							Flowing	
Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Meter or Prover Pressure psia		Extension P <sub>m</sub> x h	Fac	Gravity Factor F <sub>g</sub>		Temperature Factor F <sub>r</sub> ,		eviation Metered Flo Factor R F <sub>pv</sub> (Mcfd)		w GOR (Cubic Fer Barrel)			Fluid Gravity G <sub>m</sub>	
D \2 -			(D \2 -			•		ELIV	ERABILITY	•	LATIONS + 14.4 =			(P <sub>a</sub> )	$a^2 = 0.2$	207	
r <sub>c</sub> ,r =		<u> </u>	(P <sub>w</sub> ) <sup>2</sup> =	Cho	ose formula 1 or 2:		<u> </u>	<u> </u>	T	essure Curv		Г Л		( 0)	1	pen Flow	
$(P_c)^2 - (P_g)^2$ or $(P_c)^2 - (P_d)^2$		(1	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	;	1. P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> -P <sub>c</sub> <sup>2</sup> ted by: P <sub>c</sub> <sup>2</sup> -P <sub>s</sub> <sup>2</sup>	LOG of formula 1, or 2, and divide by:		2 <sub>w_</sub>	As	pe = "n" - or ssigned tard Slope	n x	LOG		Antilog		liverability s R x Antilog (Mcfd)	
Open Flo		<u></u>			Mcfd @ 14.	65 pela			Deliveral	hility			Mefd	@ 14.65 ps	ia		
·						-		hat h		· · ·	to make t	ha ahaya ran				uladaa of	
		_	d authority, o									he above rep December		u mai ne m			
			<u></u>						-				.0		<del>K~</del>	C WICH	
			Witness (	ıf an	y) 						<del> </del>		Compar				
_			For Comr	nissio	on			_	,			Ch	ecked by	, <u>——</u>	DEC	C 3 1 201	
															F	RECEIVE	

	eclare 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 tha	t the foregoing pressure information and statements contained on this application form are true and
	to the best of my knowledge and belief based upon available production summaries and lease records
	oment installation and/or upon type of completion or upon use being made of the gas well herein named.
1 he	reby request a one-year exemption from open flow testing for the
gas wei	ll on the grounds that said well:
	(Charles and
	(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
l fu	rther agree to supply to the best of my ability any and all supporting documents deemed by Commission
	necessary to corroborate this claim for exemption from testing.
oran do	
	10/06/40
Date: _	12/26/13
	$\mathcal{A}$
	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.

KCC WICHITA