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

= '	en Flo				Test Date		ctions on Rev	erse Side	API	No. 15		
	liverat	mty							15-	023-20951-		
Noble E		Inc			Lease Rail <b>e</b>						31-6	Vell Number
County Location Cheyenne NW-NE			Section 6		TWP 4S			W)	,	Acres Attributed		
Field Cherry Creek					Reservoir Niobrara					hering Conn rn Star/Kind		
Completi- 4/9/2008		e			Plug Bac 1651'	k Total De	pth		Packer S	Set at	- · · · · · · · · · · · · · · · · · · ·	
Casing Size 7", 4-1/2"			Weight 17#, 1	Internal Diameter 9-7/8", 6-1/4"			Set at 277', 1693'		rations 4'	To 1522'		
Tubing Size 2-3/8"			Weight 4.7#	Internal Diameter 1.995			Set at 1541'		rations	То		
Type Cor Single (	•	n (D	escribe)		Type Flui Saltwa	d Producti	on		Pump Ur Yes	nit or Traveling	Plunger? Yes	/ No
Producing	g Thru	(An	nulus / Tubing	)	% C	arbon Dio	xide		% Nitrog	en	Gas Gra	avity - G <sub>g</sub>
Vertical C	Depth(H	H)				Pre	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p:	Shut in 3/2	2	0_11_at_1	2:30	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on L	ine:		Started 3/3	2	0 <u>11</u> at <u>1</u>	2:30	_				at	
						OBSERV	ED SURFACE	DATA			Duration of Shut-i	n 24 Hours
Static / Orifice Dynamic Size Property (inches		е	Circle one: Mater Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperatur	Wellhead Pressu  (P, ) or (P, ) or (P		Wellhe (P <sub>w</sub> ) or	fubing ad Pressure r (P <sub>1</sub> ) or (P <sub>a</sub> )	Ouration (Hours)	Liquid Produced (Barrels)
Shut-In				2			100	psia	psig	psia		
Flow												
	1					FLOW ST	REAM ATTRI	BUTES	- 1			
Plate Coefficient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or over Pressure psia	Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>n</sub>	Fa	iation ector	Metered Flor R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G <sub>m</sub>
(P <sub>c</sub> ) <sup>2</sup> =		_:	(P <sub>*</sub> ) <sup>2</sup> =_	;	(OPEN FL	OW) (DELI	VERABILITY) _% (P	CALCUL + (14.4 - ع		:	(P <sub>a</sub> )² (P <sub>a</sub> )²	= 0.207
(P <sub>e</sub> ) <sup>2</sup> - (I or (P <sub>e</sub> ) <sup>2</sup> - (I	P <sub>e</sub> )²	(F	P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	hoose formula 1 or 2  1. $P_a^2 \cdot P_a^2$ 2. $P_c^2 \cdot P_d^2$ Midded by: $P_c^2 \cdot P_w^2$	LOG of formuta 1, or 2. and divide	P <sub>0</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Šlop Ass	sure Curve e = "n" or igned urd Slope	l a x i	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					<del>                                     </del>							
Open Flo	<u> </u>		l	Mcfd @ 14.	65 nsia		Deliverabi	lity	<u>l</u>		Mcfd <b>②</b> 14.65 psia	
_		igne	d authority, on			states that		•	o make th	e above repo	ort and that he has	
the facts s	tated t	herei	in, and that sai	d report is true	and correc	t. Execute	d this the 14		day of D	ecember	<del></del>	, 20 <u>11</u> .
			Witness (if	any)			<u> </u>	Ke	y!	For C	Company	RECEIVED
			For Commis	sion			_	0	· ()	Che	Di	EC 2 8 2011

KCC WICHITA

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 Raile 31-6
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: 12/14/2011
Signature: <u>Levyl</u> fluson  Title: Regulatory Analyst II

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