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

Type Test	:			(	See Instruc	tions on Re	verse Side	<del>?</del> )					
	en Flow liverabill	y		Test Date	<b>e</b> :				No. 15 023-20231-0	0-00			
Company Noble E		/. Inc.				Lease Zimbeln	man		020 2020 1 0	2-31	Well Nu	ımber	
County Location Cheyenne NE-SE			Section 31		TWP 3S			RNG (E/W) 41W		Acres Attributed			
Field Cherry Creek Niobrara Gas Area					Reservoir Niobrara			Gas Gathering Connection Cherry Creek					
Completion Date 4/9/1985				_	Plug Back Total Depth				Set at			<u> </u>	
Casing Size Weight 7", 4-1/2" 17#, 9.5#			Internal ( 9-7/8",			Set at 276', 1608'		Perforations 1490'		то 1512'			
	Tubing Size Weight			Internal ( 1.995"		Set a	Set at 1490'		rations	То	То		
Type Con	Type Completion (Describe)			Type Flui	Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No					
Single (Gas) Producing Thru (Annulus / Tubing)				% Carbon Dioxide				% Nitrogen Gas Gr			G <sub>9</sub>		
Tubing										<b>/5.5</b> .	- \ /=		
Vertical D	epth(H)	•			Pres	ssure Taps				(Meter	Run) (P	rover) Size	
Pressure Buildup:		: Shut in	Shut in 4/6/ 20		10 at 9:05		(AM) (PM) Taken		20			(AM) (PM)	
Well on L	ine:	Started 4/8	<u>/</u> 2	0 10 at 9	:05	. (AM) (PM)	Taken		20	at		(AM) (PM)	
					OBSERVE	D SURFAC	E DATA			Duration of Shut	-in <u>48</u>	Hours	
Static / Dynamic Property	Orifice Size (inches	Size Prover Pressure in		Flowing Well Head Temperature 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>t</sub> ) or (P <sub>c</sub> )		Duration (Hours)	,	Liquid Produced (Barrels)	
Shut-In		psig (Pm) Inches H <sub>2</sub> 0					psia	psig psia					
Flow													
					FLOW ST	REAM ATTR	IBUTES					,	
Plate Coeffiec (F <sub>b</sub> ) (F Mcfd	ient ,,)	Circlo ono: Meter or Prover Pressure psia	Meter or Extension ver Pressure		Gravity - Factor F <sub>g</sub>		ture Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	GOR (Cubic F Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
(P <sub>c</sub> ) <sup>2</sup> =		: (P <sub>w</sub> ) <sup>2</sup> =	=:	(OPEN FL		<b>/ERABILITY</b> % (F	') CALCUL <sup>-</sup> 14.4) +		:		) <sup>2</sup> = 0.2 ) <sup>2</sup> =	207	
(P <sub>c</sub> ) <sup>2</sup> - (I		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>	Choose formula 1 or 2  1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_c^2$ divided by: $P_c^2 - P_a$	LOG of formula 1. or 2. and divide	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Slo <sub>l</sub> As	essure Curve pe = "n" - or esigned fard Slope	n x	LOG	Antilog	De Equal:	pen Flow liverability s R x Antilog (Mcfd)	
										<del></del>	ļ		
Open Flo	<u></u> w		Mcfd @ 14	.65 psia		Deliverab	oility		[	Mcfd @ 14.65 ps	ia		
		ned authority, o			states that t		uthorized t		ne above repo	rt and that he h	as knov	-	
he facts s	tated the	erein, and that s	aid report is tru	e and correc	t. Executed	this the 71	th	day of S	eptember	Ranni	 . <del>   </del>	20 10 .	
<del></del>		Witness	(if any)			-	- }	(MM	For C	company		RECEIV	
		For Com	nission			_			Chec	ked by		^FD •	

SEP 0 9 2010

I do	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and tha	the foregoing pressure information and statements contained on this application form are true and of the best of my knowledge and belief based upon available production summaries and lease records
of equip	ment installation and/or upon type of completion or upon use being made of the gas well herein named.  reby request a one-year exemption from open flow testing for the Zimbelman 2-31
	on the grounds that said well:
	(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 fur	ther 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: _9	77/10
	Λ .
	Signature: Jumple Burnutt

## 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.