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

Type Test	t:					(See Instru	uctions on Re	verse Side	e)					
Open Flow Deliverabilty					Test Date:				API No. 15 15-023-21002-00-00					
Company Noble Energy, Inc.				Lease <b>Zweygardt</b>			Well Number 43-1							
County Location Cheyenne W2-E2				n -NE-SE			TWP 4S		RNG (E/W) 42W			Acres Attributed		
Field Cherry	Cree	ek N	liobrara ga	s area	Reservoi <b>Niobra</b>					hering Conne Morgan v	ection ia Lampe Co	ompress	or	
Completion Date 7/10/2008				Plug Back Total Depth 1605'		epth		Packer Set at n/a						
Casing Size 7", 4-1/2"			Weight 17#, 1		Internal Diameter 9-7/8", 6-1/4"			Set at <b>211', 1647</b> '		rations	то <b>428</b> '	1464'	ZE E	
Tubing Size 2-3/8"			Weight <b>4</b> .7#		Internal Diameter 1.995"			Set at 1,503'		rations	То		C	
Type Con Single (			escribe)		Type Fluid Production Saltwater		ion		Pump Unit or Trave		Plunger? Yes	/ No	CEIVED	
Producing Tubing	Thru	(Anı	nulus / Tubing	)	% (	Carbon Dio	oxide		% Nitrog		Gas G	ravity - G <sub>g</sub>	D	
Vertical D	epth(F	1)				Pre	essure Taps				(Meter	Run) (Prov	ver) Size	
Pressure	Buildu	n.	Shut in	5/ 2	08 <sub>at</sub>		(AM) (PM)	Taken		20	at	(ΔΙ		
Well on Line:		•			08 at 2:35									
			<u> </u>			OBSERV	/ED SURFAC	E DATA			Duration of Shut	:-in	Hours	
Static / Orifice Dynamic Size Property (inches)		e	Circle one: Meter Prover Pressur psig (Pm)	Pressure Differential in Inches H <sub>2</sub> 0	Flowing Well Heat Temperature t		Malihaad Praccura		Tubing Wellhead Pressure (P <sub>w</sub> ) or (P <sub>t</sub> ) or (P <sub>c</sub> ) psig psia		Duration (Hours)	Liquid F	Liquid Produced (Barrels)	
Shut-In							267	para	parg	psia				
Flow														
					1	FLOW ST	REAM ATTR	IBUTES	<del></del>					
Plate Coeffiecient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Pro	Circle one: Meter or ver Pressure psia	Press Extension  P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Temperature Factor		viation Metered Fl actor R F <sub>pv</sub> (Mcfd)		GOR (Cubic Fo Barrel	eet/	Flowing Fluid Gravity G <sub>m</sub>	
					(ODEN EL	OW) (DELL	VEDADUITV	) CAL CUI	ATIONS					
(P <sub>c</sub> )² =		_:	(P <sub>w</sub> ) <sup>2</sup> =_	:	P <sub>d</sub> =		VERABILITY _% (F	) CALCUL P <sub>c</sub> - 14.4) +		:	(P <sub>a</sub> (P <sub>d</sub>	) <sup>2</sup> = 0.207 ) <sup>2</sup> =		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		Principle of the control of the con	LOG of formula 1. or 2. end divide p 2 p :		Backpressure Curve Slope = "n" Assigned Standard Slope		n x 106		Antilog Open Deliver Equals R		rability x Antilog	
Open Flow Mcfd @ 14.65 psia					65 psia	ia Deliverability			Mcfd @ 14.65 psia					
				d report is true			he is duly au	othorized to	day of	rebrya:	and that he ha		lge of	
			For Commis	sion			_		<u> </u>	Chec	ked by			

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
gas well 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
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: 2/20/09
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.