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

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Type Test:  Open Flow			(- Test Date	See Instruct	tions on Re	everse Side	,	No. 15		
Deliverabilty			rest Date	·				)23-20999-0	00-00	
Company Noble Energy Inc					Lease Wiese				21-8	Well Number
County Cheyenne	Location W2-NW-NE-NW		Section 8		TWP 4S		RNG (E/W) 41W		Acres Attributed	
rield Cherry Creek			Reservoir Niobrara					nering Conn n Star/Kind		
Completion Date 1/14/2008			Plug Bacl 1599'	Total Dept	th		Packer S	et at		
Casing Size ", 4-1/2"	Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 256, 1641'		ations 3'	то 1478'	
ubing Size 2-3/8"	g Size Weight		Internal Diameter 1.995		Set at		Perforations		То	
pe Completion (Describe)		Type Fluid Saltwa	1		Pump Unit or Traveling Yes <b>Rod P</b>		Plunger? Yes / No			
Producing Thru (Annulus / Tubing)  Tubing		% Carbon Dioxide				% Nitrogen		Gas Gr	Gas Gravity - G <sub>g</sub>	
/ertical Depth(H)				Pres	sure Taps				(Meter I	Run) (Prover) Size
Pressure Buildup: Sho	ut in11/18	3 2	0_13_at_8:	55	(AM) (PM)	Taken		20	at	
•	<sub>rted</sub> 11/19		0 13 at 1:		(AM) (PM)				at	
				OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_28.5 Hours
Static / Orifice Circle one:  Meter Property (inches)  Circle one:  Meter Prover Pressure  (inches)		Pressure Differential in	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P'_w) or (P,) or (P,)		Tubing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Duration (Hours)	Liquid Produced (Barrels)
Shut-In	psig (Pm)	Inches H <sub>2</sub> 0		•	psig 161	psia	psig	psia		
Flow										
				FLOW STR	EAM ATTR	RIBUTES	1.	-		· · · · · · · · · · · · · · · · · · ·
(E.) (E.) Prover Procesure		Press Extension P <sub>m</sub> x h	Gravity Factor F <sub>e</sub>		Temperature		iation ctor pv	Metered Flow R (Mcfd)	w GOR (Cubic Fe Barrel)	Crowity
			42							
P <sub>c</sub> ) <sup>2</sup> =:	(P <sub>*</sub> ) <sup>2</sup> =	:	OPEN FLO	OW) (DELIV		r) CALCUL P <sub>e</sub> - 14.4) +		;	(P <sub>a</sub> )	<sup>2</sup> = 0.207 <sup>2</sup> =
$(P_c)^2 - (P_a)^2$ $(P_c)^2$	- (P <sub>w</sub> )²	noise formula 1 or 2. 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ ded by: $P_c^2 - P_a^2$	LOG of formula 1. or 2.	P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	Šlo As	essure Curve ope = "n" - or ssigned dard Slope	n x l	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
					-	•			_	
Open Flow		Mcfd @ 14.	65 neia		Deliveral	hility			Mcfd @ 14.65 psi	<u> </u>
The undersigned a	uthority on h		,	tates that h		•	n make th			
e facts stated therein, a	•				•			•	und that He He	, 20 <u>13</u>
	Witness (if an	ny)						For C	Company	KCC WIC
	For Commissi	ion			-			Chec	cked by	DEC 3 1 20
										RECEIV

exemp	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. 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 record
of equi	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 Wiese 21-8
gas we	I 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
	necessary to corroborate this claim for exemption from testing.  2/26/2013
	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.

DEC 3 1 2013

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