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

Type Test	t:				(	See Instruct	ions on Reve	erse Side	)				
	en Flo diverab				Test Date	<b>э</b> :				No. 15 023-20840-00	-nn		
Company Noble Energy Inc					Lease Workman				200.00		Well Number 34-31		
County Cheyenne			Location SW-SE		Section 31		TWP 3S		RNG (E/W) 41W		Acres Attributed		tributed
Field Cherry C	Creek				Reservoir Niobrara					nering Connec rn Star/Kinder			
2/9/2008		8			Plug Bac 1662'	k Total Depi	h		Packer S	et at		-	
Casing Size 7, 4-1/2"		Weight 17#, 10.5#			Internal Diameter 9-7/8", 6-1/4"		Set at 311', 1709'		Perforations 1490'		то 1530'		
Tubing Size 2-3/8"			Weight 4.7#		Internal D 1.995		Diameter Set at 1571'		Perforations		То		
Type Con Single (		n (De	escribe)		Type Flui Saltwa	d Production	า		Pump Un Yes	it or Traveling F	Plunger? Yes	/ No	
Producing Tubing	g Thru	(An	rulus / Tubing	)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gra	wity - G	9
Vertical D	Depth(I-	1)				Pres	sure Taps				(Meter F	lun) (Pr	over) Size
Pressure	Buildu	p:	Shut in 3/2	2	0_11 at 1	2:10	(AM) (PM)	Taken		20 _	at	(	 AM) (PM)
Well on L	ine:		Started 3/3	2	0 11 at 1	2:10	-				at		
	1			1 -		OBSERVE	D SURFACE				Ouration of Shut-i	<sub>n_</sub> 24	Hours
Static / Dynamic Property	Orlfi Siz (inch	e	Circle one: Meter Prover Pressur psig (Pm)	Pressure Oifferential in Inches H <sub>2</sub> 0	Flowing Temperature t	Well Head Temperature t	Casir Wellhead F (P, ) or (P, psig	ressure	Wellhe	fubing ad Pressure (P <sub>1</sub> ) or (P <sub>6</sub> )	Duration (Hours)		Produced Sarrels)
Shut-In							100						
Flow						EI OW STE	IEAM ATTRI		<u> </u>				
			Circle one:	<del></del>	1	FEOW SIF	<del>-</del>	1					. 1
(F,) (F	Coefficient (F <sub>n</sub> ) (F <sub>p</sub> ) Mctd		Meter of over Pressure psla	Press Extension	Grav Fac	tor	Flowing Temperature Factor F <sub>4</sub> ,		viation actor F <sub>p</sub> ,	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G
	ļ	<del></del>			/OSEN EI	OW) (DELIN	ERABILITY)	CALCU	ATIONS				
(P <sub>e</sub> )* =		<u>:</u>	(P <sub>w</sub> ) <sup>2</sup> =_		P <sub>d</sub> =		•		+ 14.4 =	÷	(P <sub>a</sub> )	2 = 0.2 2 =	07 <del></del>
(P <sub>e</sub> ) <sup>2</sup> - (l or (P <sub>e</sub> ) <sup>2</sup> - (l	,	(F	2 <sub>4</sub> )2 · (P <sub>4</sub> )2	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> Noted by: P <sub>c</sub> <sup>2</sup> · P <sub>s</sub>	LOG of formula 1, or 2, and divide	P.2. P.2	Slop	sure Curvi e = *n* or igned ird Slope	n v .	roe	Antilog	Deli Equals	en Flow iverability A x Antilog (Mcfd)
				<del></del>				-			<del></del>		
Open Flo	w			Mcfd @ 14	65 psia		Deliverabi	lity			Acfd @ 14.65 ps	l ia	
			d authority, on			t. Executed		3		ne above repor	t and that he ha		ledge of 20 11 .
			Witness (if	·			1 7 2012				этрапу		
			For Commi	ssion		<u>-</u>				Check	red by		

KCC WICHITA

I declar	e under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt stat	us under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that the	e foregoing pressure information and statements contained on this application form are true and
correct to th	e best of my knowledge and belief based upon available production summaries and lease records
of equipmer	nt installation and/or upon type of completion or upon use being made of the gas well herein named.
l hereby	request a one-year exemption from open flow testing for the Workman 34-31
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	r agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as nec	essary to corroborate this claim for exemption from testing.
Date: 12/28	3/2011
	Signature: Cley Johnson
	Title: Regulatory Analyst IT

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.

RECEIVED
JAN 1 7 2012
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