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

Type Test	t:				1	See Instructi	ons on Reve	rse Side,	)					
Op	oen Flov	٧												
De	eliverabi	lty			Test Date	):				No. 15 )23-20769-00	)-UU			
Company	v						Lease		10-0	20-20105-00		Vell Nur	<u>-</u>	
Noble E		Inc					Rueb Far	m			32-16	AGN MON	nber	
County Location			Section	* * * * *			RNG (E/	W)	A	Acres Attributed				
Cheyenne SWNE			16	16 3S			42W							
Field	O				Reservoir					nering Connec	tion			
				Niobrara Plug Back Total Depth				Morgan						
5/17/200		9			1676'	k Total Depti	h		Packer S	et at				
Casing S			Weight		Internal [	)iameter	Set at		Pado	rations	То	·	· · · · · · · · · · · · · · · · · · ·	
7", 4-1/2"			17#, 9		9-7/8", 6-1/4"		301', 1724'		Perforations 1530'		1566'			
Tubing S	ize		Weight	<del> </del>	Internal C	Diameter	Set at		Perfo	rations	То			
2-3/8"			4.7#		1.995									
Type Con Single (		(Desc	ribe)		Type Flui Saltwa	d Production ter	1		Pump Un Yes	it or Traveling	Plunger? Yes	/ No		
Producing	g Thru	(Annuli	ıs / Tubing	)	% C	arbon Dioxid	de		% Nitrog	en	Gas Gra	vity - C	i.	
Tubing													•	
Vertical D	Depth(H	)				Press	sure Taps				(Meter F	lun) (Pr	over) Size	
					·									
Pressure	Buildur	o: Shu	ut in _2/17	, 2	0 11 at 1	2:30	(AM) PM 1	Taken		20	at		A.M. (D.M.)	
			rted 2/18		11 at 2	·30	_							
Well on L	_ine:	Sta	nea	2	U At	·	(AM) (PM) 1	aken		20 .	at	(	AM) (PM)	
	•	•				OBSERVE	D SURFACE	DATA			Duration of Shut-i	26	Hours	
Static /	Orifle		Circia one:	Pressure	Flowing	Well Head	Casin		1	ubing	DOTALION OF SHOCK		nours	
Dynamic	Size	Size Meter Prover Pressi psig (Pm)		Differential in	Temperature		Wallhard Draceura		Wellhead Pressure (P <sub>*</sub> ) or (P <sub>1</sub> ) or (P <sub>c</sub> ) psig psia		Duration		Liquid Produced (Barrels)	
Property	(inche			Inches H <sub>2</sub> 0	1	t					(Hours)	, (		
Shut-In							156							
		-	,									<del> </del>		
Flow	<u> </u>					<u> </u>						<u> </u>		
						FLOW STR	EAM ATTRI	BUTES						
Plate			ile ones	Press	Gra	vity	Flowing	Dev	riation	Metered Flow	GOR		Flowing	
Coaffiecient (F <sub>b</sub> ) (F <sub>a</sub> )			ter or Pressure	Extension	Fac	101	emperature Factor	mperature Fa		R	(Cubic Fe		Fluid Gravity	
Mcfd		ç	sia	√ P <sub>m</sub> xh	F,	•	F,,	'	Pv	(Mcfd)	Barrel)		G <sub>m</sub>	
		·						· · · ·		<del></del>	<u> </u>	•		
	i.							<u> </u>					l	
/D \3			/B : 1				ERABILITY)					² = 0.2	.07	
(P <sub>e</sub> ) <sup>2</sup> =	<u> </u>	_ :	(P <sub>w</sub> ) <sup>2</sup> =	Choose formula 1 or 2	P <sub>a</sub> =		% (P <sub>.</sub>	- 14.4) +	14.4 =	······································	(P <sub>d</sub> )	<sup>2</sup> =		
(P <sub>e</sub> )² - (	(P <sub>a</sub> ) <sup>2</sup>	(P,)2	- (P_)²	1. P <sub>e</sub> <sup>2</sup> - P <sub>e</sub> <sup>2</sup>	LOG or			sure Curve e = "n"		ַר קוֹ			en Flow	
or (P <sub>a</sub> ) <sup>2</sup> · (		•	-	2. P. 2 - P. 2	formuta 1. or 2.			or	- nx	LOG	Antilog	1	iverability s R x Antilog	
(-,)(	(-4)-			tivided by: P.2 - P.	and divide by:	P, '- P, '		igned rd Slope				1	(Mcfd)	
			ĺ				\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \					<del> </del>		
			<del></del>			- <del>.</del>	_		-	i	····	<del> </del>		
					1.		<u></u>					<u>L.</u>		
Open Flo	ow			Mcfd @ 14	.65 psia		Deliverabi	lity	_		Mcfd @ 14.65 ps	ia		
The	undersi	igned a	uthority, or	behalf of the	Company,	states that h	e is duly aut	horized	to make t	he above repo	rt and that he ha	as knov	ledge of	
				id report is tru						December			20 11 .	
						RECEI		0	Ko.	18	6/			
-			Witness (i	any)		JAN 1			<u> </u>	Ford	стралу	<b>&amp;</b> \_		
,			For Comm	ission		<u> </u>	4 4UIL _		·	Chec	ked by		<del></del>	

KCC WICHITA

	declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request of status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
	at the foregoing pressure information and statements contained on this application form are true and
correc	at to the best of my knowledge and belief based upon available production summaries and lease records
of equ	ipment installation and/or upon type of completion or upon use being made of the gas well herein named.
11	nereby request a one-year exemption from open flow testing for the Rueb Farm 32-16
gas w	ell 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
11	urther agree to supply to the best of my ability any and all supporting documents deemed by Commissic
	is necessary to corroborate this claim for exemption from testing.
	,
Date:	12/27/2011
Duto.	
	Signature: Ley Dhuson
	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.

JAN 1 7 2012 KCC WICHITA