## Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

\*

Type Test:	:				6	See Instru	uctions on	Reverse	Side)	+					
Open Flow					Test Date	Test Date: API No. 15									
Del	liverabil	ty			iesi Dale	,.				15-2	<b>83</b> -20887 <b>-</b> 0	00-00			
Company Noble Er		nc					Lease Lamp			•	23-	13-2	-	lumber	
County Location Cheyenne NWSW				n	Section 28			TWP 3S			RNG (E/W) 41W		Acres Attributed		
Field Cherry Creek				Reservoir Niobrara					ering Connection n Star/ Kinder Morgan						
Completion Date 6/4/2008				Plug Baci 1594'		,	Packer Se	et at							
Casing Size 7", 4-1/2"			Weight 17#, 1	Internal E 9-7/8",			et at 94', 162	23'	Perfora 1440		то 147	то 1478'			
Tubing Size 2-3/8"			Weight 4.7#	Internal D		S	Set at 1490		Perforations		То	То			
Type Completion (Describe) Single (gas)				Type Flui				Pump Unit or Traveling Plunger? You yes			es / No				
	<u> </u>	(Anr	nulus / Tubing)	······································	% C	arbon Die	oxide			% Nitroge	n	Gas	Gravity -	G <sub>g</sub>	
Vertical D	epth(H)	)	<u>.</u>			Pr	essure Tap	S				(Mete	er Run) (	Prover) Size	
Pressure	Buildup	o: {	Shut in6/11	2	0_13_at_9	:00	((AM) (P	M) Takei	n		20	at			
Well on Line:						12 350		(AM) (PM) Taken							
						OBSER	VED SURF	ACE DAT	TA.			Duration of Sh	ut-in_30	0.75 Hours	
Static / Dynamic Property	nic Size		Circle one: Meter Prover Pressur		Flowing Temperature t	Well Hea	Wellh	Casing Wellhead Pressure $(P_w)$ or $(P_t)$ or $(P_c)$		Wellhea	ibing d Pressure (P <sub>1</sub> ) or (P <sub>c</sub> )	Duration (Hours)	Liq	Liquid Produced (Barrels)	
Shut-In			psig (Pm)	Inches H <sub>2</sub> 0			psig 122	ps	ia	psig	psia				
Flow															
						FLOW S	TREAM AT	TRIBUTI	ES						
Plate Coefficcient (F <sub>b</sub> ) (F <sub>p</sub> ) Mcfd		Meter or Extens		Press Extension √ P <sub>m</sub> x h	Gravity Factor F <sub>g</sub>		Flowing Temperature Factor F <sub>f1</sub>		Deviation Factor F <sub>pv</sub>		Metered Flow R (Mcfd)	(Cubic	GOR (Cubic Feet/ Barrel)  Flowin Ffuid Gravit G <sub>m</sub>		
<del> </del>					(OPEN FL	OW) (DEL	LIVERABIL	ITY) CAL	.CUL	ATIONS			P <sub>2</sub> ) <sup>2</sup> = 0	207	
(P <sub>c</sub> ) <sup>2</sup> =	· 1	_:_	(P <sub>*</sub> ) <sup>2</sup> =_	hoose formula 1 or 2	P <sub>d</sub> =		%	, (P <sub>c</sub> · 14			:		$(P_d)^2 = 0$		
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P <sub>c</sub> ) <sup>2</sup> - (P <sub>w</sub> ) <sup>2</sup>		1. P <sub>c</sub> <sup>2</sup> - P <sub>a</sub> <sup>2</sup> 2. P <sub>c</sub> <sup>2</sup> - P <sub>d</sub> <sup>2</sup> Wided by: P <sub>c</sub> <sup>2</sup> - P <sub>w</sub> <sup>2</sup>	LOG of formula 1. or 2. and divide	formula 1. or 2. and divide p2_p2		Backpressure Cun Slope = "n" or  Assigned Standard Slope		n x Li	LOG	Antilog	D	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Delive	erability				Mcfd @ 14.65	psia		
,		gned	d authority, on			states tha		•	zed to	make the		ort and that he	·	wledge of	
		-	n, and that sai				-				•			, 20 13	
			Witness (if	env)			-				En-1	Company	K	CC WICI	
			vviiness (II	any)			_	_			rort			JUL 1 1 20	
			For Commis	ssion							Chec	cked by			
														RECENT	

exempt st	are under penalty of perjury under the laws of the state of Kansas that I am authorized to request atus under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc ne foregoing pressure information and statements contained on this application form are true and
of equipm I here	the best of my knowledge and belief based upon available production summaries and lease records ent installation and/or upon type of completion or upon use being made of the gas well herein named. by request a one-year exemption from open flow testing for the <a href="Lampe 13-28">Lampe 13-28</a> In 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  er agree to supply to the best of my ability any and all supporting documents deemed by Commissions are sarry to corroborate this claim for exemption from testing.
Date: 7/5	Signature: Regulatory Analyst

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.

KCC WICHITA
JUL 1 1 2013

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