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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					(See Ins	tructi	ions on Rev	verse Side	e)								
Op	en Flo	w			_							• 51 •							
De	liverab	oilty			les	t Date	∌:						No. 15 23 - 2074	8-00	-00				
Company Noble Er		. Inc							Lease Rueb Fa	arm				-		13-15	Well No	ımber	
				Sei	Section TWP					RNG (E/W)					Acres Attributed				
Cheyenne NWSW					15			38	42W										
					Reservoir Niobrara					Gas Gathering Connection Kinder Morgan			tion						
Completion Date 5/15/2007					Plug Back Total Depth 1639'					Packer Set at							·		
					Internal Diameter 9-7/8", 6-1/4"			Set a 305'	Perforations 1558'					то 1595'					
Tubing Size Weight 2-3/8" 4.7#				Internal Diameter 1.995				Set a	Perforations					То					
Type Completion (Describe)				Тур	Type Fluid Production saltwater				Pump Unit or Traveling Plunger? (65) No Yes Rod Pump										
			nulus / Tubin	n)			Carbon D	Dioxio	10			Nitroge		Е	omp	Gas Gra	avity - (3	
Tubing	y 1111.u	ווידג) ו	naids / Tabiii	9)		/0 C	Zeloon t	ZIOZI	16		/9 1	Muoge	;i ;		•	Gas Gil	avity - v	- ₀	
Vertical D	epth(l	H)					F	Press	sure Taps						1	(Meter F	Run) (P	rover) Size	
Pressure	Buildu	ıp:	Shut in	9	20_13	at	2:00		(AM) (PM))Taken				20	at			(AM) (PM)	
Well on Line:			Started 3/2	0	_ ₂₀ _13	13 at 2:00			(AM) (PM)	(AM) (PM) Taken			at				t (AM) (PM)		
			1				OBSE	RVE	D SURFACI	E DATA				_0	uration	of Shut-	_{in_} 26	Hours	
Static / Dynamic	Orifice Size (inches)		Circle one: Meter Prover Pressi	Pressur Different ure in	ial Flo	Flowing Well H Temperature t t		Head Wellhead Pressure		Tubing Wellhead Pressure				Duration Liqu (Hours)		uid Produced (Barrels)			
Property			psig (Pm)	Inches H	20				(P _w) or (P _t) or (P _c) psig psia		(P _*) or (P _t) or (P _c) psig psia		\dashv	(nours)		(Dallels)			
Shut-In									160										
Flow																			
							FLOW	STR	EAM ATTR	IBUTES									
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extensio		Gravity Factor F ₀		Flowing Temperature Factor F ₁₁		F	Deviation Factor F _{pv}		Metered Flow R (Mcfd)		GOR (Cubic Fe Barrel)			Flowing Fluid Gravity G _m	
(D.)2 _			/D \2		(OPI				ERABILITY	•					•		² = 0.2	207	
(P _c) ² =		l	(P _w) ² =	Choose formula		P _d =	_	<u>—</u> °	T	2 - 14.4) -		4 = <u> </u>		, T		(P _d)			
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²		 P_c² - P_c P_c² - P_c divided by: P_c² - 	2 1 9 an	LOG of formula 1. or 2. and divide p 2 p		Backpressure Curv Slope = "n"		n x LOG		og _			Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
					*														
Open Flo	w			Mcfd @	14.65 ps	ia			Deliverab	ility				М	cfd @ 1	4.65 psi	a		
			d authority, o											~	and tha	it he ha			
he facts s	tated t	there	in, and that s	aid report is	true and	correc	t. Exec	uted	this the 26	5	day	of De	ecember	·- ·· ·····			 1	20	
			Witness ((if any)					-					For Cor	npany	K	(CC	WICH	
			For Comr	niesion				_	-					Checke	nd by				
															•		DEC	3 1 2013	

l de	clare 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 tha	t 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
	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 Rueb Farm 13-15
	on the grounds that said well:
	(Charle and)
	(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
	To the capable of producing at a daily fale in excess of 200 mon2
l fur	ther 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: 1	2/26/13
	Signature:
	Title: 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 signed and dated on the front side as though it was a verified report of annual test results.

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