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KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flow liverabil			(e		tions on Re	verse Side	API	No. 15 023-20757-0	in_nn			
Company Noble Energy Inc				Lease Rueb Farm				J23-20737-0		Well Num	ıber		
County Location Cheyenne NE-NE				Section 15		TWP 3S			W)	Acres Attributed		ributed	
Field Cherry Creek				Reservoir Niobrara			Gas Gathering Connection Kinder Morgan						
Completion Date 1/21/2008				Plug Back Total Depth 1694'			Packer Set at						
Casing Size Weight 7", 4-1/2" 20#, 10.5#			Internal D 9-7/8",			Set at 335, 1737'		rations 2'	το 1578'				
Tubing Size Weight 2-3/8" 4.7#				Internal D 1.995	Diameter	Set	Set at		rations	То			
Type Completion (Describe) Single (gas)				Type Fluid Production Saltwater			Pump Ur Yes	nit or Traveling	Plunger? Yes	er? Yes / No			
Producing Thru (Annulus / Tubing) Tubing				% Carbon Dioxide				% Nitrog	en	Gas Gr	Gas Gravity - G _g		
Vertical D	epth(H)				Pres	sure Taps			······································	(Meter I	Run) (Pro	ver) Size	
Pressure	Buildup			13 at 8		(PM)	Taken	. ,	20	at	(A	.M) (PM)	
Well on L	ine:	Started 11/	8 20	13 at 8	:30	(M) (PM)	Taken		20	at	(A	M) (PM)	
					OBSERVE	D SURFAC	E DATA	•		Duration of Shut-	_{in_} 24	Hours	
Static / Dynamic Property	Orific Size (inche	Circle one: Pressure Meter Differential Prover Pressure in psig (Pm) Inches H.,0		Flowing Well Head Temperature Temperatur		Casing Wellhead Pressure (P _w) or (P ₁) or (P _c) psig psia		Tubing Wellhead Pressure (P_w) or (P_1) or (P_c) psig psia		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In							paid	parg	7,512				
Flow													
				1	FLOW STE	REAM ATTE	RIBUTES				— т		
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extension P _m x h		Gravity Factor F _g		Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		W GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
			1	(OPEN FL	OW) (DELIV	/ERABILITY	n calcui	ATIONS					
(P _c) ² =		: (P) ² =	::	P _d =	, ,		P _o - 14.4) -		:	(P _a)	$c^2 = 0.207$ $c^2 = 0.207$	7	
(P _c) ² - (P _g) ² or (P _c) ² - (P _d) ²		$ \begin{array}{c c} & & & & \\ & & & & \\ & (P_c)^2 - (P_w)^2 & & 1. \ P_c^2 - P_u^2 \\ & & & 2. \ P_c^2 - P_d^2 \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & & $		LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned . Standard Slope		e n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
				-									
Open Flow Mcfd @ 14.6				35 psia		Deliveral	Deliverability		Mefr		₫ @ 14.65 psia		
The i	undersiç	•		Company,		ne is duly a	uthorized		ne above repo	rt and that he ha	as knowle	edge of 0 13 .	
								-		K		WICHI'	
		Witness (if any)			-			For C	Company	DEC :	3 1 2013	
		For Comm	nission						Chec	ked by			

exempt status und and that the foreg correct to the besi of equipment insta I hereby reque	er penalty of perjury under the laws of the state of Kansas that I am authorized to request ler Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. Joing pressure information and statements contained on this application form are true and of my knowledge and belief based upon available production summaries and lease records allation and/or upon type of completion or upon use being made of the gas well herein named. Jest a one-year exemption from open flow testing for the Rueb Farm 41-15 counds 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 eto supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
Date: 12/27/2013	

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. 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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