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Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

Type Test	t:				(See Instruct	tions on Rev	erse Side)			
Open Flow Deliverabilty					Test Date) :		API No. 15 15-181-20577-00-00				
Company Noble Energy Inc				Lease Bucholtz				<u> </u>	42-6	Vell Number		
County Sherman			Location N2-NE-S		Section 6	,	TWP 6S			RNG (E/W) 39W		Acres Attributed
Field Prairie Star					Reservoir Niobrara			Gas Gathering C Prairie Star		_	ction	
Completion Date 6/1/2011					Plug Bac 1537'	k Total Depi	th	Packer Set at		Set at		
Casing Size 7", 4 1/2"			Weight 17#, 11	6#	Internal Diameter 9 7/8", 6 1/4"		Set at 397', 1580'		Perforations 1376'		то 1404'	
Tubing Size			Weight		Internal Diameter 1.995		Set at 1427		Perforations		То	
2 3/8" 4.7# Type Completion (Describe)					d Production			Pump Un	it or Traveling I	Plunger? Yes	/ No	
Single (gas)			,		Saltwa		•			yes		
Producing Thru (Annulus / Tubing) Tubing					de	% Nitrogen			· Gas Gra	avity - G _g		
Vertical C	Pepth(H))			-	Pres	sure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildup): ;	Shut in) 2	0_13_at_1	1:00	(AM) (PM)	Taken		20 _	at	(AM) (PM)
Well on Line: Started 10/30					0 <u>13</u> at <u>1</u>	1:00	(PM)	Taken		20 _	at	(AM) (PM)
						OBSERVE	D SURFACE	DATA			Ouration of Shut-i	n_24 Hours
Static / Orifice Dynamic Size Property (inches)		1	Circle one: Meter Prover Pressure psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t		(P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)
Shut-In			p. 3 (,				psig 133	psia	psig	psia		
Flow												
			······································			FLOW STE	REAM ATTRI	BUTES				
Plate Coefficcient (F _b) (F _p) Mofd			Circle one: Meter or ver Pressure psia	Press Extension P _m xh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G _m
(D.)2 —			/D \2 _		•		/ERABILITY)					? = 0.207 ? =
(P _c) ² =			C	coose formula 1 or 2				sure Curve	- 14.4 =		\' d1	Open Flow
(P _c) ² · (P _a) ² or		(F	P _c) ² - (P _w) ²	1. P _c ² -P _s ²	(Omitida		Slope = "n"		nxi	LOG	Antilog	Deliverability
(P _e)²- (I	P _d) ²		di	$2. P_c^2 - P_d^2$ ided by: $P_c^2 - P_w$	and divide	P _c ² · P _w ²		signed ard Slope		L		Equals R x Antilog (Mcfd)
· ·												
Open Flo	w			Mcfd @ 14.	65 psia		Deliverabi	ility		N	lcfd @ 14.65 psi	<u>a</u>
		-	-				•			•	and that he ha	-
ine tacts s	stated th	erei	n, and that said	report is tru	and correc	ii. Executed	inis the	<u> </u>	uay of			, 20 <u>13</u> .
			Witness (il a	ny)	-		_			For Co	mpany KC	WICHITA
			For Commis	sion			-			Check	ed by DE	C 3 1 2013

I declare 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 that 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 of equipment installation and/or upon type of completion or upon use being made of the gas well herein named. I hereby request a one-year exemption from open flow testing for the Bucholtz 42-6
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 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: 12/16/2013
Signature: Check Documents Title: Completions Supervisor

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

DEC 3 1 2013