BEACK /P

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

	: en Flov liverabi				(Test Date		tions on Rev	erse Side	API	No. 15 023-21166-0	00-00			
Company Noble Er		lnc			******		Lease · Jones				14-13	Well No	ımber	
County Location Cheyenne SE-NW-SW				Section 13	Section TWP			RNG (E/	W) .		Acres Attributed			
Field					Reservoir Niobrara			Gas Gat Southe	ection	_				
Completion 12/2/200		9			Plug Bac 1402'	k Total Dept	th		Packer S	Set at		· · · · · · · · · · · · · · · · · · ·		
Casing Size Weight 7", 4-1/2" 17#, 11.6#			Internal D 9-7/8",		Set at 210', 1442'		Perforations 1250'		То 1284′					
Tubing Si 2-3/8"	oing Size Weight		t	. Internal Diameter 1.995		Set at 1377'		Perforations		То				
Type Con Single ((De				d Production			Pump Ur	nit or Traveling	Plunger? Yes	/ No		
Producing	-	(Anr	nulus / Tubing	j)		arbon Dioxi	de		% Nitrog	en	Gas G	ravity -	G ₀	
Tubing Vertical D	epth(H)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu		Shut in 3/26	21			(PM)	Taken		20	at		(AM) (PM)	
Well on L	ine:		Started 3/2	20	13 at 1	2:15	(AM) PM	Taken		20	at		(AM) (PM)	
	, .		Circle one:	D		OBSERVE	D SURFACE		1 -		Duration of Shut	_{in 26}	Hours	
Static / Dynamic Property	ynamic Size		Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature Temperature		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					····		112							
Flow												<u> </u>		
						FLOW STR	EAM ATTRI	BUTES	T		<u> </u>		Τ	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or ever Pressure psia	Press Extension P _m x h	Gravity Factor F _g		Flowing Temperature Factor F _{r1}	Fa	riation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
							<u></u>	<u> </u>						
(P _c)² =		_ :	(P _w) ² =	:	(OPEN FLO	, ,	ERABILITY) % (P	CALCUL - 14.4) 4		:	(P _a) (P _d)) ² = 0.2	07	
(P _c) ² - (I or (P _c) ² - (I	_	(F	P _c) ² - (P _w) ²	Choose formula 1 or 2: 1. P _c ² - P _s ² 2. P _c ² - P _d ² divided by: P _c ² - P _s ²	LOG of formula 1, or 2, and divide	P _c ² · P _w ²	Backpressure Curv Slope = "n"or Assigned Standard Slope		e n x i	.og [Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flo	w		1	Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia	-	
				n behalf of the							rt and that he h		ledge of 20	
			Witness (i	f any)						For C	company K	CC	WICHI	
			For Comm	ission			_	···		Chec			3 1 2013	

exempt status un and that the fore correct to the be of equipment ins I hereby req	der penalty of perjury under the laws of the state of Kansas that I am authorized to request oder Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc. egoing pressure information and statements contained on this application form are true and state of my knowledge and belief based upon available production summaries and lease records tallation and/or upon type of completion or upon use being made of the gas well herein named. uest a one-year exemption from open flow testing for the Jones 14-13
gas well on the g	prounds that said well:
(Chec	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
•	ee to supply to the best of my ability any and all supporting documents deemed by Commission rry to corroborate this claim for exemption from testing.
Date: 12/26/13	
	Signature: Charles Supervisor 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