RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

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Type Test	:		ONE	POINT 3			ctions on Re			LNADILII	1 1631	
Ор	en Flo	w			Test Date	٠ <i>،</i>			ΔDI	No. 15		
Del	liverab	ilty			lest Date	3.				023-20884-0	0-00	
Company Noble Energy Inc			Lease Raile				Well Number 32-06					
County Cheyenne			Location SWNE		Section 6		TWP 4S			W)	,	Acres Attributed
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Conn /Southern Star/Kind			
Completion Date 2/18/2008		e		Plug Back Total De 1597'			pth		Packer S			
Casing Size 7", 4-1/2"			Weight 17#, 10.5#		Internal Diameter 9-7/8", 6-1/4"			Set at 251', 1639'		rations 8'	то 1456'	
Tubing Size 2-3/8"			Weight 4.7#		Internal Diameter 1.995		Set at 1481'		Perforations		То	
Type Completion (D Single (gas)		n (De			Type Fluid Production Saltwater			·	Pump U		Plunger? (Yes) / No	
Producing Thru (Ann Tubing			nulus / Tubing)			Carbon Diox	xide		Rod Pun % Nitrogen		Gas Gravity - G	
Vertical D	epth(H	f)				Pre	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	D:	Shut in _8/2	7 2	 0_13_ _{at_} 9	:30	(AM)VPM)	Taken		20	at	(AM) (PM)
Well on Line:			Started 8/28		13 at 1		\subseteq					(AM) (PM)
						OBSERV	ED SURFAC	E DATA			Duration of Shut-	26.5 Hour
Static / Dynamic Property	c Size		Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature	Wallhaad Praceur		Wellhe	Tubing ad Pressure r (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)
Shut-In							89	psia	parg	poli		
Flow												
	- 1					FLOW ST	REAM ATTR	IBUTES			1	
Plate Coefficient (F _b) (F _p) Mcfd		Pro	Circle one: Meter or over Pressure psia	or Extension		vity tor	Temperature Fa		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Fe Barrel)	et/ Flowing Fluid Gravity G _m
						<u>l</u>						
P _c) ² =			(P _w) ² =	:	(OPEN FL	, ,	VERABILITY % (I	') CALCUL P _a - 14.4) +		•	(P _s) ² (P _d) ²	² = 0.207
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² · (P _w) ²		Choose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide p 2. p		Backpressure Curve Slope = "n"		n x LOG		Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open El-				Model @ 44	es pois		Delivers	nility.			4ntd @ 14.05:	
Open Flov				Mcfd @ 14.			Deliveral				Mcfd @ 14.65 psi	
				to behalf of the						•	t and that he ha	s knowledge of, 20
	"		,	.4.2					.,		KC	C WICHI
			Witness (i	any)			•			For C	ompany	
			For Comm	ission			-			Chec	ked by	EC 3 1 2013

	ler penalty of perjury under the laws of the state of Kansas that I am authorized to request der Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and that the fore correct to the bes of equipment inst	going pressure information and statements contained on this application form are true and it 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. The statements contained on this application form are true and it is application for application form are true and it is application form are true and it is application for application form are true and it is application for
	rounds 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 e to supply to the best of my ability any and all supporting documents deemed by Commission y to corroborate this claim for exemption from testing.
	Signature: <u>Roccy politices</u> Title: <u>Completions Supervisor</u>

Instructions:

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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