KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instru	ctions on Rev	verse Side))					
	en Flo liverab				Test Date	9 :				No. 15 023-20885-0	00-00			
Company Noble Energy Inc					Lease Raile				41-6	Well Number 41-6				
County Cheyenne			Local NENE	Location NENE		Section 6		TWP 4 S		RNG (E/W) 41W		Acres Attribut		
Field Cherry Creek					Reservoir Niobrara			Gas Gathering Connection /Southern Star/Kinder Morgan						
Completic 2/13/200		e			Plug Bac 1558'	k Total De	pth		Packer 9	Set at				
Casing S 7", 4-1/2			Weig 17#,	ht 10.5#		Diameter Set at 237', 1601'			Perforations 1448'		то 1487'			
Tubing Si 2-3/8"	ize		Weig 4.7#	ht	Internal I 1.995	Diameter	Set a 151		Perfo	rations	То			
Type Con Single (n (De	escribe)		Type Flui Saltwa	d Production	on				Plunger? (Yes)	/ No		
	g Thru	(Anr	nulus / Tubir	ıg)	% C	arbon Dio	xide		% Nitrog	en	Gas Gr	avity - (3,	
Tubing Vertical D	Depth(H	i)				Pre	ssure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	חי	Shut in 3/1	9	13 _{at} 9	:30	(AM)(PM)	Taken		20	at		(AM) (PM)	
Well on L	·	•	Started 3/2		13 at 1						at			
						OBSERV	ED SURFACI	E DATA			Duration of Shut-	in 27.	.5 Hours	
Static / Dynamic Property	Orific Size (inche	e	Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Well Head Temperatur t	e (P,) or (P	Pressure	Wellhe	Tubing ad Pressure r (P _t) or (P _c)	Duration (Hours)	Liqui	d Produced Barrels)	
Shut-In			paig (i iii)	mones 11 ₂ 0			psig 92	psia	psig	psia				
Flow														
<u></u>				<u>, , , , , , , , , , , , , , , , , , , </u>		FLOW ST	REAM ATTR	BUTES						
Plate Coeffiec (F _b) (F Mcfd	ient ,)	Pro	Circle one: Meter or over Pressure psia	Press Extension	Grav Fac F	· 1	Flowing Temperature Factor F _{ft}	Fa	riation actor = pv	Metered Flov R (Mcfd)	v GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
	<u> </u>			<u> </u>	(OPEN FL	OW) (DELI	 VERABILITY	CALCUI	ATIONS					
(P _c) ² =		_:	(P _w) ² :		P _d =		•	° - 14.4) +		::		² = 0.2 ² =	±07	
(P _c) ² - (I or (P _c) ² - (I		(F)² · (P _w)²	Choose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 \cdot P_d^2$ divided by: $P_c^2 \cdot P_a$	LOG of formula 1. or 2. and divide	P _c ² · P _w ²	Slor As:	ssure Curve be = "n" or signed ard Slope	n x	LOG	Antilog	Del Equals	oen Flow iverability BR x Antilog (Mcfd)	
Open Flo	w			Mcfd @ 14	65 psia		Deliverab	ility			Mcfd @ 14.65 ps			
		igned	d authority, o		· ·	states that			o make ti		rt and that he ha		rledge of	
the facts s	tated th	herei	n, and that s	aid report is tru	e and correc	t. Execute	ed this the 27	7	day of	ecember	KU		₂₀ <u>13</u> .	
			Witness	(if any)	•		_			For C	Company		ICHITA 2012	
			For Com:	mission			-			Chec	ked by	•	2013	
											F	KECE	IVED	

	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
correct to the bes of equipment insta I hereby requ	poing 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. Lest a one-year exemption from open flow testing for the Raile 41-6 ounds 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 to supply to the best of my ability any and all supporting documents deemed by Commission to corroborate this claim for exemption from testing.
	Signature: Chery Jakumen 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.