KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	:			(See Instruct	ions on Re	verse Side	·)					
	en Flow			Test Date) ;			API 1	No. 15				
De	liverabilt	У							23-20846-0	00-00			
Company Noble Energy Inc					Lease Zimbelman					31-31	Well Number 31-31		
County Cheyenr	ne		Location NW-NE		Section 31		TWP 3S		V)	Acres Attributed			
Field Cherry C	Creek		Reservoir Niobrara					Gas Gathering Connection Southern Star/Kinder Morgan					
Completion Date 2/4/2008			Plug Bac 1662'	k Total Dept	h		Packer Se	et at					
Casing Si 7, 4-1/2"		Weig 17#,	ht 10.5#	Internal Diameter 9-7/8", 6-1/4"		Set at 324', 1704'		Perforations 1498'		то 1540'			
Tubing Si 2-3/8"	ize	Weig 4.7#		Internal I		Set at 1559'		Perforations		То			
		(Describe)			d Production		Р		Pump Unit or Traveling Plunger? Yes / No Yes			······································	
Producing		Annulus / Tubir	ng)		arbon Dioxi	le		% Nitrogen		Gas Gravity - G _g			
Fubing Vertical D	Pepth(H)			Press	essure Taps				(Meter I	Run) (Pr	rover) Size		
Pressure	Buildun	: Shut in	28 ,	n 13 _{at} 1	2:50 PM	(AM) (PM)	Taken		20	at			
Well on L	·	Started 1/2	29 2	0 13 at 2	OF DAA					at			
					OBSERVE	D SURFAC	E DATA			Duration of Shut-	in_25.	5 Hours	
Static / Dynamic Property	Orifice Size (inches	Meler Prover Press	Differential in	Flowing Temperature t	Well Head Temperature t	Wellhead	Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		ibing d Pressure (P _i) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)		
Shut-In		psig (Pm)	Inches H ₂ 0			psig 120	psia	psig	psia				
Flow													
•					FLOW STR	EAM ATTR	IBUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia Press Extensio Pmx		Gra Fac F	tor 1	Temperature		viation Metered Flor actor R F _{pv} (McId)		w GOR (Cubic Fe Barrel)		Flowing Fluid Gravity G _m	
P _c)² =		: (P _w) ²		(OPEN FL	OW) (DELIV			.ATIONS - 14.4 =	•	(P _a) (P _d)	$r^2 = 0.2$	07	
(P _c) ² · (I or (P _o) ² - (I	P) ²	(P _c) ² · (P _w) ² Choose formu 1. P _c ² · 2. P _c ² - divided by: P		LOG of formula 1. or 2. and divide		Backpressure Curv Slope = "n"		e n x LOG		Antilog	Op Deti Equals	Open Flow Deliverability Equals R x Antilog (Mcfd)	
One: 57:			Nacio de 44	65 00:0		Dallysast	sility			Mofd @ 14 CE			
Open Flo		ned authority,	Mcfd @ 14 on behalf of the		states that h	Deliveratie is duly a		to make the		Mcfd @ 14.65 ps ort and that he ha		ledge of	
e facts s	tated the	erein, and that	said report is tru	e and correc	t. Executed	this the _1	2	day of _De	ecember		,;	20 13 .	
		Witness	(if any)		 	-			For	Company	KCC	- WICH	
		For Corr				-				cked by			
		. 5. 9511							3			30 20	
											R	RECEIVE	

l de	clare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
	status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy Inc
and tha correct to of equip	t the foregoing pressure information and statements contained on this application form are true and to the best of my knowledge and belief based upon available production summaries and lease records ment installation and/or upon type of completion or upon use being made of the gas well herein named. reby request a one-year exemption from open flow testing for the
	I 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
staff as	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission necessary to corroborate this claim for exemption from testing. 2/12/2013
Jaie. <u></u>	
	Signature: Adhle mills
	Title: Regulatory Analyst

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.

DEC 3 0 2013 RECEIVED