KCC WICHITA

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruct	ions on Re	verse Side)				
Op	en Flo	w			Tøst Date	·			ADI	No. 15			
De	liverab	ilty			iesi Dale	3 .				023-20971-0	0-00		
Company Noble E		Inc					Lease Raile				31-11	Well Number	
County Cheyenne			Location NW-NE		Section 11		TWP 3S			RNG (E/W) 42W		Acres Attributed	
Field Cherry (Creek				Reservoi Niobrara				Gas Gatl Kinder I	nering Conne Morgan	ction		
Completion 3/10/200		е			Plug Bac 1736 '	k Total Dept	h		Packer S	et at			
Casing Size 7", 4-1/2"			Weight 17#, 1		Internal Diameter 9-7/8", 6-1/4"		Set at 318', 1778'		Perforations 1550'		To 1584' To		
Tubing Size 2-3/8"			Weight 4.7 #		Internal (1.995	Diameter	Set a	Set at		Perforations			
Type Cor Single ((gas)				Type Flui Saltw a	d Production I ter	1		Yes	it or Traveling	Plunger? Yes	/ No	
Producing Tubing	g Thru	(Алі	nulus / Tubing)	% C	Carbon Dioxi	de		% Nitrog	en	Gas Gra	avity - G _g	
Vertical D	Depth(F	i)				Pres	sure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildu		Shut in	32	0_11 at_2	:30	(AM) (PM)	Taken		20 _	at	(AM) (PM)	
Well on L	.ine:		Started 2/17	2	0 <u>11</u> at <u>3</u>	:20	(AM) PM					(AM) (PM)	
						OBSERVE	D SURFACI	E DATA			Ouration of Shut-i	n_25Hours	
Static / Dynamic Property	Orifi Siz (inch	0	Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Cas Wellhead (P _w) or (P	Pressure	Wellhea	ubing ad Pressure (P _t) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In				1			215	psia	parg	рыв			
Flow													
			Circle one:		<u> </u>	FLOW STR	EAM ATTR	IBUTES	l.				
Plate Coeffiec (F _b) (F Mcfd	ient p)	Pro	Meter or ver Pressure psia	Press Extension Pmxh	Grav Fac F	tor 1	Flowing Femperature Factor F _r ,	Fa	iation ctor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fed Barrel)	Flowing Fluid Gravity G _m	
								<u> </u>		·			
(P _c) ² =		:	(P _w) ² =_	:	(OPEN FL	OW) (DELIV 9) CALCUL ⁾ 14.4) +		:	(P _a) ² (P _d) ²	? = 0.207 ? =	
(P _c) ² - (l	P _a) ²	(F		1. P _c - P _d ² 2. P _c - P _d ²		P2-P2	Backpre Slot	ssure Curve be = "n" orsigned	n x l	.og	Antilog	Open Flow Deliverability Equals R x Antilog	
_				fwided by: Pc2 - Pw	by:	<u> </u>	Stand	ard Slope				(Mcfd)	
Open Flo	w			Mcfd @ 14.	65 psia		Deliverab	ility		N	lcfd @ 14.65 psi	a	
		-	·						D.	e above report	and that he ha	s knowledge of	
uie iacis s	iated ti	16161	n, and that sa	id report is true	and correc	ı. ⊏xeculed	inis the	Ch.	אנגע בי באנגע בי	2/6	Lange Contraction of the Contrac	RECEIVED	
			Witness (if				_	— y —		For Co	mpany	DEC 2 8 20	
			For Commi	ssion			_			Check	ed by		

l do.	place under people, of period under the love of the state of Kongo that I am outhorized to request
	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
	the foregoing pressure information and statements contained on this application form are true and
correct t	o 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.
l her	reby request a one-year exemption from open flow testing for the Raile 31-11
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
l fur	ther agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as ı	necessary to corroborate this claim for exemption from testing.
Date: <u>1</u> 2	2/14/2011
	Signature: Checy Johnson
	Title: Regulatory Analyst II

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.

RECEIVED

DEC 2 8 2011