KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				(See Instruct	tions on Rev	erse Side	e)			
·	en Flow liverabilty			Test Date	э:				No. 15 023-20866- (00-00	
Company Noble Er		c				Lease Zweyga r	dt			34-33	Vell Number
County Cheyenn	ne	Locatio	on	Section 33	:	TWP 3S		RNG (E 41W	W)	P	Acres Attributed
Field Cherry C	reek			Reservoi Niobrara					hering Conn		
Completion 2/20/200				Plug Bac 1561'	k Total Dept	th		Packer S	Set at	· · · · · · · · · · · · · · · · · · ·	
Casing Size 7", 4-1/2"		Weight 17#, 10.5#		Internal Diameter 9-7/8", 6-1/4"		Set at 216', 1603'		Perforations 1372'		To 1410'	
Tubing Size 2-3/8"		Weight 4.7#		Internal Diameter 1.995		Set at 1428'		Perforations		То	
Type Com Single (Describe)		Type Flui Saltwa	d Production	า		Pump U	nit or Traveling	g Plunger? Yes	/ No
Producing Thru (Annulus / Tubing) Tubing			% Carbon Dioxide			% Nitrogen		Gas Gravity - G			
Vertical D	epth(H)				Pres	sure Taps	+		*****	(Meter F	lun) (Prover) Size
Pressure I	Buildup:	Shut in 2/23	3 2	0_11_at_1	2:00	(AM) (PM)	Taken		20	at	(AM) (PM)
Well on Li	ne:	Started 2/24	2	0 <u>11</u> at 1	2:00	(AM) PM	Taken		20	at	(AM) (PM)
					OBSERVE	D SURFACE	DATA			Duration of Shut-i	n 24 Hours
Static / Orifice Dynamic Size Property (inches		Circle one: Meter Prover Pressui psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Temperature t	Well Head Temperature t	Casing Wellhead Pressure (P _w) or (P _t) or (P _c)		Tubing Wellhead Pressure (P_w) or (P_t) or (P_c) psig psia		Duration (Hours)	Liquid Produced (Barrels)
Shut-In						120	psia	psig	psia		
Flow							urmer ()				
Diete		Circle one:		<u> </u>	FLOW STR	EAM ATTRI	BUTES				
Plate Coeffiecte (F _b) (F _p Mcfd	ent	Meter or rover Pressure psia	Press Extension ✓ P _m x h	Grav Fact	· 1 T	Flowing Temperature Factor F ₁₁	Fa	iation ector ev	Metered Flow R (Mcfd)	w GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m
				(005) 51	010 (DEL 11)			47:00:0			
(P _c) ² =	:	(P _w) ² =_	:	P _d =		ERABILITY) % (P _o	- 14.4) +		:	(P _a) ² (P _d) ²	= 0.207 =
(P _c) ² - (P or (P _c) ² - (P	"	(P _c) ² - (P _w) ²	Thoose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ Tivided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slope Assi	sure Curve e = "n" or gned rd Slope	n x	-0G	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flow			Mcfd @ 14.	55 psia		Deliverabil	itv			Mcfd @ 14.65 psia	
The u	ndersigne	ed authority, on	behalf of the	Company, s		e is duly aut	horized to			ort and that he has	
		Witness (if	any)			. (=	N	ly 1	For C	Company	YECEIVED
		For Commis	ssion			_			Chec	cked by	EC 2 8 2011

KCC WICHITA

	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	going pressure information and statements contained on this application form are true and t 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.
	est a one-year exemption from open flow testing for the Zweygardt 34-33 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.
Date: <u>12/12/201</u>	<u></u>
	Signature: Chery Johnson

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.

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