KANSAS CORPORATION COMMISSION

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:					((See Instru	ıctions on Re	everse Side	e)					
	en Flo liverat					Test Date	e:				No. 15 023-2086	6-00-00)		
Company Noble		ју, I	nc.					Lease Zwey	gardt		020 2000			Well Num	ber
County Cheyer			L			Acres Att	cres Attributed								
Field Cherry	Cree	k N	iobrar	a gas	area	Reservoi Niobra					nering Conn Morgan \		pe Co	mpres	sor
Completic 2/20/20		e				Plug Bac 1561'	k Total De	pth		Packer S n/a	et at				
Casing Size 7", 4-1/2"			Weight 17#, 10.5#			Internal (9-7/8",			Set at 216' , 1603'		Perforations 1		То	1410'	RE
Tubing Size Weight 2-3/8" 4.7#			Internal I 1.995"		Set 1,4		Perfor	ations		То		RECEIVED			
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater				Pump Un	Plunger	Yes	/ No	Z		
Producing Tubing	Thru	(Anr	nulus / T	ubing)		% C	Carbon Dio	xide		% Nitroge	en		Gas Gr	avity - G _e	Ö
Vertical D	epth(F	1)				,	Pre	essure Taps					(Meter F	Run) (Pro	ver) Size
Pressure	Buildu	•	Sout in -					(AM) (PM)	Taken		20	at_		(A	M) (PM)
Well on L	ine:		Started _	3/13/	20	08 at 1	1:40	_ (PM)	Taken		20	at _		(A	M) (PM)
							OBSERV	ED SURFAC	E DATA			Duration	of Shut-	in	Hours
Static / Dynamic Property	Dynamic Size		Prover Pressure		Pressure Differential in Inches H ₂ 0	lemperature Tempera		wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			poig	,	1103 1120			277	psia	psig	psia				
Flow															
							FLOW ST	REAM ATTE	RIBUTES					—г	
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Facior		Flowing Temperature Factor F ₁₁	Fa	riation actor = pv	Metered Flow R (Mcfd)		GOR (Cubic Fee Barrel)		Flowing Fluid Gravity G _m	
(P _c) ² =		_:	(P,	")² =	:	(OPEN FLO	• •	VERABILITY _% (I	') CALCUL P _a - 14.4) +		:		(Pa)² (Pd)²	2 = 0.207 2 =	•
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c)² - (P _w)²		ose formula 1 or 2: 1. $P_c^2 - P_a^2$ 2. $P_c^2 - P_d^2$ led by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide by:		Backpressure Curve Slope = "n" or Assigned Standard Slope		nxlOG		Antilog		Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov				<u> </u>	Mcfd @ 14.6	35 psia		Deliverat	nility			Mcfd @ 1	4 65 psi		
The u	ındersi		n, and th		ehalf of the	Company, s		he is duly a	uthorized to	day of	above repo	rt and tha	it he has	s knowled	09
			For	Commissio				-			Cher	ked by			

	er 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.								
	going pressure information and statements contained on this application form are true and								
correct to the bes	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								
	ounds that said well:								
(Oh a al									
(Check	, 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								
I further agre	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: 2/20	109								
	Signature:								

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.