RECEIVED

KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test:				0	See Instruc	ctions on Rev	erse Side	e)				
Open Flow Test Da Deliverabilty					9:				No. 15 023-20900 ~	0000		
Company Noble Ene	erav Inc	······································		•		Lease Zweygar	rdt			22-4	Well Number	
				Section 4	Section TWP			RNG (E/W) Acres Attributed 41W				
					Reservoir Niobrara			Gas Gathering Connection Southern Star/Kinder Morgan				
•				Plug Bac 1508'	Plug Back Total Depth 1508'				Packer Set at			
Casing Size Weight 7", 4-1/2" 17#, 10.5#				Internal (9-7/8",			Set at 208', 1551'				то 1381'	
Tubing Size Weight 2-3/8" 4.7#				Internal E			Set at		Perforations		То	
Type Completion (Describe) Single (gas)				Type Flui	Type Fluid Production Saltwater				Pump Unit or Traveling Plunger? Yes / No Yes			
Producing Thru (Annulus / Tubing)				% C	% Carbon Dioxide			% Nitrogen Gas Gravity -			avity - G _g	
Tubing Vertical De	pth(H)				Pre	ssure Taps		•		(Meter I	Run) (Prover) Size	
Pressure B	Builduo:	Shut in 3/1	18 ,	0_13_at_3	:00	(AM) (PM) :	Taken			at_	(AM) (PM)	
Well on Lin	•	Started 3/1	9 2	13 at 3	.20						(AM) (PM)	
					OBSERV	ED SURFACE	DATA			Duration of Shut-	in 24.5 Hours	
Static / Dynamic Property	Orifice Size (inches)	Circle one: Meter Prover Press psig (Pm)		Flowing Temperature t	Well Head Temperatur t	Wellhead F	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		fubing ad Pressure (P ₁) or (P _c)	Duration (Hours)	Liquid Produced (Barrels)	
Shut-In		F-18 ()				psig 55	psia	psig	psia			
Flow												
,					FLOW ST	REAM ATTRI	BUTES					
Plate Coeffieciei (F _b) (F _p) Mcfd		Circle one: Meter or rover Pressure psia	Press Extension Pmxh	Grav Fac F	tor	Flowing Temperature Factor F ₁₁		viation actor F _{pv}	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Gravity	
				(OPEN EL	OW) (DELI	VERABILITY)	CALCUI	ATIONS				
(P _c) ² =	:	(P _w) ² :	=:	P _d =	• • •	•	- 14.4) +		:	(P _a)	$r^2 = 0.207$ $r^2 = $	
(P _c) ² - (P _a or (P _c) ² - (P _d		(P _c) ² - (P _w) ²	1. P _c ² - P _s ² 2. P _c ² - P _c ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Slop Ass	ssure Curve e = "n" or igned ard Slope	nxl	LOG	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
	\perp			1				- 				
Open Flow	<u> </u>		Mcfd @ 14.	65 psia		Deliverabi	lity			Mcfd @ 14.65 ps	ia	
The un	ndersign	•		Company,		he is duly aut	thorized t		ne above repo	rt and that he ha		
		Witness	(if any)			_			For C	Company	KCC WICH	
		For Com	mission			_			Chec	ked by	DEC 3 0 20	

	eclare 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 th	at the foregoing pressure information and statements contained on this application form are true and
of equi	to the best of my knowledge and belief based upon available production summaries and lease records oment installation and/or upon type of completion or upon use being made of the gas well herein named. ereby request a one-year exemption from open flow testing for the Zweygardt 22-4 Il 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
	rther 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.
Date: _	12/18/2013
	Signature: Kashlu Milh

. 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