KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Tes	st:				•	(See Instruc	tions on Rev	erse Side	e)					
,	pen Flo eliverat				Test Date	e:				I No. 15 3 -21086-00 -I	00			
Compan Noble E	•	, Inc					Lease Zweyg ai	rdt			44-33	Well N	ımber	
County Location Cheyenne SW-SW-SE-SE			Section 33		TWP 3S		RNG (E/W) 41W		Acres Attributed					
Field Cherry (Creek	Niol	orara Gas A	rea	Reservoi Niobrar					thering Conn Morgan via	ection Lampe Compre	essor		
Completion Date 9/11/2008				Plug Back Total Depth 1519'			Packer Set at N/A							
Casing Size 7", 4-1/2"			Weigh	t 11.6#	Internal Diameter 9-7/8", 6-1/4"		Set at 170', 1560'		Perforations 1330'		то 1370'			
Tubing Size Weight N/A			t	Internal [Diameter	Set a	Set at Perf		orations	То				
Type Completion (Describe) Single (Gas)					Type Fluid Production Saltwater			Pump Unit or Traveling Plunger? Yes / No						
Producing		(Anı	nulus / Tubing	3)	% C	Carbon Dioxi	de	***************************************	% Nitro	gen	Gas Gi	ravity -	Э ₉	
Vertical C)				Pres	sure Taps				(Meter	Run) (P	rover) Size	
Pressure	Buildu	D: ·	Shut in	2/ 2	09 _{at} 1	:45	(AM) (PM)	Taken		20	at		(AM) (PM)	
Well on Line:			Started <u>2/13/</u> 20			09 3:00						at(AN		
				·		OBSERVE	D SURFACE	DATA			Duration of Shut-	_{in} 25	Hour	
Static / Orifice Dynamic Size Property (inches)		е	Circle one: Meter Prover Pressu psig (Pm)	Pressure Differential in Inches H ₂ 0	Flowing Well Head Temperature t t		Casing Wellhead Pressure (P _w) or (P _c) or (P _c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In			, 3, ,	2			psig 110	psia	psig	psia				
Flow														
						FLOW STR	EAM ATTRI	BUTES						
Plate Coeffiecient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m x h	Extension Fact		Flowing Temperature Factor F _{tt}	Deviation Factor F _{pv}		Metered Flow R (Mcfd)	GOR (Cubic Feet/ Barrel)		Flowing Fluid Gravity G _m	
······································				- 1	<u> </u>									
(P _c) ² =	***************************************	_:	(P _w) ² =	:		OW) (DELIVI	ERABILITY) 6 (P _e		ATIONS 14.4 =	:	(P _a) ²	² = 0.2 ² =	07	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P	_c)²- (P _w)²	Choose formula 1 or 2: 1. $P_c^2 - P_e^2$ 2. $P_c^2 - P_d^2$ divided by: $P_c^2 - P_w^2$	LOG of formula 1. or 2. and divide	P _c ² - P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x	roe	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)		
Open Flov	N			Mcfd @ 14.6	35 psia		Deliverabili	ty		1	Mcfd @ 14.65 psi	a		
				behalf of the	and correct	Executed	this the 1st		/ 1	ecember	rt and that he ha		edge of 20 09 .	
			Witness (if	any)		DEC 0 4				For Co	ompany	-		
***************************************			For Commis	ssion		UEU ♥ ☆	7003 —			Check	ked by		<u> </u>	

	under penalty of perjury under the laws of the state of Kansas that I am authorized to request under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the f	oregoing pressure information and statements contained on this application form are true and
of equipment	best of my knowledge and belief based upon available production summaries and lease records installation and/or upon type of completion or upon use being made of the gas well herein named. equest a one-year exemption from open flow testing for theZweygardt 44-33
	e grounds 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 agree to supply to the best of my ability any and all supporting documents deemed by Commission
	ssary to corroborate this claim for exemption from testing.
Date: <u>12/1/20</u>	109
	Signature: Regulatory Specialist

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.