KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	verse Side	e)				
	en Flow liverabilt	,		Test Date	e:				No. 15			
	······································	/						023-	20780-00-0		Alali Ni	
Company Noble E		nc.				Lease Zweyga	rdt			22-32	Well Number	
CountyLocationSectionCheyenneSE-NW32					Section TWP 32 3S			RNG (E/W) 41W			Acres Attributed	
Field Reservoir Cherry Creek Niobrara Gas Area Niobrara								Gas Gathering Connection Kinder Morgan via Lampe Compressor				
Completion Date Plug E 11/6/2007 1533					Plug Back Total Depth 1533'				Packer Set at N/A			
Casing Size Weight 7", 4-1/2" 20#, 10.5#			Internal I 9-7/8",		Set at 281', 1573'		Perforations 1350'		то 1378'			
Tubing Size Weight 2-3/8" 4.7#			Internal I 1.991"		Set at 1481'		Perforations		То			
Type Completion (Describe) Single (Gas)					id Production			Pump Unit or Traveling Plunger? Yes / No Yes				
Producing		Annulus / Tubi	ng)		Carbon Diox	ide	,	% Nitroge	n	Gas Gra	avity - G _g	
Tubing Vertical D	epth(H)				Pres	ssure Taps				(Meter F	Run) (Prover) Size	
Pressure	Buildup:	Shut in _2/.	25/	09 at 8	:30	(AM) (PM)	Taken		20 .	at	(AM) (PM)	
Well on L	ine:	Started <u>2/26/</u> 20		0 09 at 9:30		(PM) Taken		20 at		at		
					OBSERVE	ED SURFACE	E DATA			Duration of Shut-i	n_25Hours	
Static / Dynamic	Orifice Size (inches	Prover Pres	Differential	Flowing Temperature t	Well Head Temperature	Casing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c)		Duration (Hours)	Liquid Produced (Barrels)	
Property Shut-In	(mones	psig (Pm	i) Inches H ₂ 0	<u>.</u>	,	psig 140	psia	psig	psia	,		
Flow						140						
			L	L	FLOW ST	REAM ATTRI	IBUTES	1				
Plate Coeffiec (F _b) (F Mcfd	ient ,,) /	Circle one: Meter or Prover Pressure psia	Press Extension P _m xh	Gra Fac F	tor	Temperature Fa		riation actor - Pv	Metered Flow R (Mcfd)	GOR (Cubic Fee Barrel)	Flowing Fluid Gravity G _m	
				(ODEN EI	0141) (DEL II)	/EDADU (TV)	CALCUI	ATIONS				
(P _c)² =	:	: (P _w) ²	=:	P _d =		/ERABILITY) % (P	calcul c - 14.4) +		:	(P _a)² (P _d)²	= 0.207	
(P _c) ² - (F or (P _c) ² - (F	- 1	(P _c) ² - (P _w) ²	Choose formula 1 or 2 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - P _w	LOG of formula 1. or 2. and divide	P _c ² -P _w ²	Backpressure Curve Slope = "n" or Assigned Standard Slope		n x LO	og 📗	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)	
Open Flor	<i>N</i>		Mcfd @ 14	65 psia		Deliverabi	ility		N	// Mcfd @ 14.65 psia	1	
	_	-	on behalf of the					<u> </u>	above repor	t and that he has	s knowledge of, 20	
		,				ζ	10	link		SOSI	REC	
		Witness							For Co	ompany		
		For Com	nmission			-			Check	ked by	KCC /	
											KCC /	

I declare under penalty of perjury under the laws of the state of Kansas that I am authorized to request
exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Noble Energy, Inc.
and that the foregoing pressure information and statements contained on this application form are true and
correct to the best of my knowledge and belief based upon available production summaries and lease records
of equipment installation and/or upon type of completion or upon use being made of the gas well herein named.
I hereby request a one-year exemption from open flow testing for the Zweygardt 22-32
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
; ;
I further agree to supply to the best of my ability any and all supporting documents deemed by Commission
staff as necessary to corroborate this claim for exemption from testing.
Date: 12/1/2009
Signature: Thuk oseph
Title: Regulatory Specialist
THE.

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.