KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	t:				(See Instruc	tions on Rev	erse Side	∌)			
	en Flo liverab				Test Date	9:				No. 15 -21085-00-0	0	
Company Noble E		. Inc					Lease Zweygai	-dt		21000 00 0		Well Number
County Cheyenr	ne		Loca NE-SE	tion E-NW-NW	Section 32		TWP 3S		RNG (E/	W)	,	Acres Attributed
Field Cherry C	Creek	Niot	orara Gas	Area	Reservoi Niobrar					nering Conne Morgan via L	ction ampe Compre	ssor
Completion 9/10/200		е		·	Plug Bac 1644'	k Total Dep	th		Packer S N/A	et at		
Casing S 7", 4-1/2			Weig 17#,	ht 11.6#	Internal (9-7/8",		Set a 280'.	t , 1687'	Perfor 144(ations)'	то 1480'	
Tubing Si 2-3/8"			Weig 4.7#	ht	Internal I		Set a 1502	t	Perfor	ations	То	
Type Con Single (•	n (De	escribe)		Type Flui Saltwa	d Productio	'n		Pump Un Yes	it or Traveling	Plunger? Yes	/ No
	•	(Anı	nulus / Tubir	ng)	% (Carbon Diox	ide		% Nitroge	en	Gas Gra	avity - G _g
Vertical D	epth(H	l)				Pres	ssure Taps				(Meter F	Run) (Prover) Size
Pressure	Buildu	p: ·	Shut in2/2	25/	20 09 at 8	:00	(AM) (PM)	Taken		20 .	at	(AM) (PM)
Well on L	ine:		Started 2/2	26/	20 <u>09</u> at <u>9</u>		(AM) (PM)	Taken		20 .	at	(AM) (PM)
				· / / /	****	OBSERVE	ED SURFACE	DATA			Duration of Shut-	in 25 Hours
Static / Dynamic Property	Orifi Siz (inch	е	Circle one: Meter Prover Press psig (Pm	Differential in	Temperature t	Well Head Temperature t	Wellhead F (P _w) or (P _t	Pressure	Wellhea	ubing ad Pressure (P _t) or (P _c) psia	Duration (Hours)	Liquid Produced (Barrels)
Shut-In							132					
Flow		:										
				T		FLOW STE	REAM ATTRI	BUTES				
Plate Coeffiec (F _b) (F Mcfd	ient _p)	Pro	Circle one: Meter or ever Pressure psia	Press Extension P _m x h	Grav Fac F	tor	Flowing Temperature Factor F ₁₁	Fa	riation actor = pv	Metered Flow R (Mcfd)	GOR (Cubic Fe Barrel)	Flowing Fluid Gravity G _m
											,	
(P _c) ² =		_:	(P _w) ²	=:	(OPEN FL	, ,	/ERABILITY) % (P	CALCUL - 14.4) +		<u>.</u> :	(P _a) [;] (P _d)	2 = 0.207 2 =
(P _c)² - (I or (P _c)² - (I		(F	P _c) ² - (P _w) ²	Choose formula 1 of 1. P _c ² - P _a ² 2. P _c ² - P _d ² divided by: P _c ² - F	LOG of formula 1. or 2. and divide	P.2-P.2	Slop	sure Curve e = "n" or igned ird Slope	nxi	og	Antilog	Open Flow Deliverability Equals R x Antilog (Mcfd)
Open Flo	w			Mcfd @ 1	1.65 psia		Deliverabi	lity		N	Vlcfd @ 14.65 psi	a
		•	•	on behalf of th		REC	EIVED 30	oth S		e above repor ctober	t and that he ha	s knowledge of, 20 <u>09</u>
			Witness	(if any)			0 5 2009			For Co	ompany	
			For Com	mission		KCC /	WICHIT	Ά		Check	ked by	

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 11-32B 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. vision to capable of producing at a daily rate in excess of 250 mcf/D
(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
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 passagers to source bareto this plaint for exemption from testing
staff as necessary to corroborate this claim for exemption from testing.
Date: 10/30/2009
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.