KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

P _d) ²		2. P _c ² -P _d ² divided by: P _c ² -P _w Mcfd @ 14.	1. or 2. and divide by:	P _c ² -P _w ²	Ass Standa Deliverabi	igned and Slope	a make the		Mcfd @ 14.65 ps rt and that he ha	ia (1	Acfa)	
1	P _c) ² - (P _w) ²		1, or 2. and divide	P.2. P.2	Ass	igned				1 '	~ 1	
1	P _c) ² - (P _w) ²		1, or 2. and divide	P.2. P.2	Ass	igned				1 '	~ 1	
		1. P _c ² -P _a ²			Slope = "n"		n x L	LOG []	Antilog	Deliverability Equals R x Antilog (Mcfd)		
:	·	Choose formula 1 or 2	P _d = .		6 (P	_c - 14.4) +		:	**	² =	7 en Flow	
Coefficient Meter or Ex		Press Extension P _m xh	Gravity Factor F _g			perature Factor F		R (Cubic F		1	Flowing Fluid Gravity G _m	
	0.4	1		FLOW STR		BUTES				T	Flouring	
Orifice Size (inches)	i .	f .			(P _w) or (P _i		i	1	Duration Liquid Prod (Hours) (Barrel		(
	Circle one:	Pressure			***************************************		Tu	ıbing	Duration of Shut-	-in_24_	Hours	
						Taken		20	at		M) (PM)	
Buildup:	Shut in 4/2	22/ 2	0 10 at 1:	00	(AM) (PM)	Taken		20	at	(<i>A</i>	.M) (PM)	
Tubing Vertical Depth(H)				Pressure Taps				(Meter Run) (Prover) Size			over) Size	
	nulus / Tubir	ıg)	+ +	· - ·	ie			n	Gas Gr	avity - G	3	
2-3/8" 4.7# Type Completion (Describe)				d Production		1502' Pump Unit or Trave						
, 4-1/2" 17#, 11.6#			9-7/8", 6-1/4"		280', 1687'		1440'		1480'	1480'		
ompletion Date /10/2008												
Field Cherry Creek Niobrara Gas Area							Kinder N	/lorgan via l		essor		
County Location Cheyenne NE-SE-NW-NW			Section 32		TWP 3S		41W			Acres At	tributed	
Company Noble Energy, Inc.				Lease Zweygardt					11-32	Well Number 11-32B		
iverabilty			Test Date						0-00	,,		
	nergy, ne reek Nio n Date 3 ree pletion (D Gas) Thru (Ar epth(H) Buildup: ne: Orifice Size (inches)	nergy, Inc. Locat ne NE-SE reek Niobrara Gas A n Date 3 ree Weig 17#, re Weig 4.7# pletion (Describe) Gas) Thru (Annulus / Tubin repth(H) Buildup: Shut in ne: Started 4/2 Orifice Size (inches) Prover Pressure psig (Pm) Circle one: Meter or Prover Pressure psia	nergy, Inc. Location NE-SE-NW-NW reek Niobrara Gas Area n Date 3 ree Weight 17#, 11.6# ree Weight 4.7# pletion (Describe) Gas) Thru (Annulus / Tubing) repth(H) Buildup: Shut in 4/22/ ne: Started 4/23/ Orifice Size (inches) Pressure Differential in Inches H₂0 Circle one: Meter Prover Pressure psig (Pm) Circle one: Meter psig (Pm) Circle one: Meter psig (Pm) Press Extension Prover Pressure psia Circle one: Meter or psig (Pm) Circle one: Meter or psig (Pm)	rest Date verability nergy, Inc. Location Section NE-SE-NW-NW 32 Reservoir Niobrara Plug Back 1644' Reservoir 17#, 11.6# 9-7/8", 4 Reservoir 1644' Res	nergy, Inc. Location NE-SE-NW-NW 32 Reservoir Niobrara n Date Plug Back Total Deptil 1644' ree Weight Internal Diameter 9-7/8", 6-1/4" ree Weight Internal Diameter 1.995" pletion (Describe) Type Fluid Production Saltwater Thru (Annulus / Tubing) % Carbon Dioxic Saltwater Thru (Annulus / Tubing) % Carbon Dioxic Saltwater Started 4/23/ 20 10 at 1:00 OBSERVEI Flowing Temperature Inches H ₂ 0 OFFICIE One: Prover Pressure psig (Pm) Inches H ₂ 0 FLOW STR Prover Pressure psia Press Gravity Factor F g OPEN FLOW) (DELIVI F G. Circle one: Prover Pressure psia Flowing Temperature I Temperature	Test Date:	Test Date: In Flow verability In Flow verability In Flow verability In Ease Zweygardt In Internal Diameter Set at 280', 1687' In Ease In Internal Diameter Set at 280', 1687' In Ease In Internal Diameter Set at 280', 1687' In Ease In Internal Diameter Set at 280', 1687' In Ease In Internal Diameter Set at 280', 1687' In Ease Internal Diameter Set at 280', 1687' In Ea	Test Date: API (15-0) Inergy, Inc. Location Section TWP RNG (E/V ATW) Ine NE-SE-NW-NW 32 3S 41W Reservoir Niobrara Gas Area Reservoir Niobrara Kinder N Nobrara Richard Richard Richard Reservoir Niobrara Richard Richar	Test Date: API No. 15	Test Date: API No. 15 15-023-21085-00-00 11-32	Test Date	

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. ✓ 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: 8/23/10
Signature: Regulatory Analyst

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.