KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

ype Test:						(-	See Instru	iction.	s on Reve	erse Side	9)							
	en Flov iverabi					Test Date) ;					NPI No. 1	5 21068-0	0.00				
Company loble En	············								_ease Dunbar	•	I	J-UZJ-7	21000-01		31-13	Well Num	ber	_
County Location Cheyenne SW-NE-NW-NE				Section 13			TWP 2S		RNG (E/W) 39W				Acres Attributed					
Field Cherry Creek					Reservoir Niobrara				Gas Gathering Connection Southern Star			ction	n RECEIVEL DEC 0 5 20					
Completion Date 11/11/2008				Plug Baci 1367'	k Total De	pth		Packer Set at		***************************************	***************************************	·····	DE	05	20			
Casing Size Weight 7", 4 1/2" 17#, 10.5#				Internal Diameter 9 7/8", 6 1/4"			Set at 162', 1407'		Perforations 1222'			,	To 1260'	KCC	WIC	_ Н1		
Tubing Size Weight 2 3/8" 4.7#				Internal Diameter 1.995			Set at 1288		Perforations				То	***************************************		L.J.		
Type Completion (Describe) Single (gas)						Type Fluid Production Saltwater						ump Unit or Traveling Plunger?				r? Yes / No		
Producing Thru (Annulus / Tubing) Tubing				% C	% Carbon Dioxide				% Nitrogen				Gas Gravity - G _g					
ertical D	epth(H	l)					Pre	essur	e Taps						(Meter	Run) (Pro	ver) Size	
ressure l	Builduį	p: \$	Shut in 9/2	25	2	0_12_at_1	0:20	(Al	M) (PM) 1	Taken			20 .	at		(A	M) (PM)	
ell on Li	пе:	;	Started 9/2	26	20	0_12_at_1	2:30	(A	M) (PM) 1	Taken		······	20 .	at		(A	M) (PM)	
							OBSERV	/ED S	SURFACE	DATA	1			Duration	of Shut-	_{in} 26	Hou	ırs
Static / ynamic roperty	amic Siz		e Prover Pressu		Pressure Differential in Inches H ₂ 0	ferential Flowing Temperature		Well Head Temperature t		Casing Wellhead Pressure $(P_w) \text{ or } (P_t) \text{ or } (P_c)$ psig psia		Tubing Wellhead Pressure (P _w) or (P _t) or (P _c) psig psia			Duration Li (Hours)		Liquid Produced (Barrels)	
Shut-In								5	8	рыа	ра	9	paia					
Flow																		
							FLOW S1	TREA	M ATTRIE	BUTES								
Plate Coeffiecient (F _p) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia			Press Extension ✓ P _m x h	Gravity Factor F _g		Tem F	Tomporaturo		viation Metered Flow actor R F _{pv} (Mcfd)		GOR (Cubic Feet/ Barrel)			Flowing Fluid Gravity G _m		
										1								
c)2 =		:	(P _w) ² :	=	:	(OPEN FL		IVER %	•	- 14.4) +			:			0.207	7	
$(P_c)^2 - (P_a)^2$ or $(P_c)^2 - (P_d)^2$		(P _c) ² - (P _w) ²			lose formula 1 or 2 1. $P_c^2 - P_a^2$ 2. $P_c^2 + P_d^2$ ded by: $P_c^2 - P_a^2$	LOG of formula 1. or 2. and divide by: P 2 - P w		Backpressure Curv Slope = "n" or Assigned Standard Slope		n x log		Anti	Antilog De		pen Flow liverability s R x Antilog (Mcfd)			
				M:(1.0.4105 :::)					Delhassikilk						ofd @ 14.65 psia			
pen Flov					Mcfd @ 14.				Deliverabil						<u> </u>			_
		-	•		report is true				-				· ·			as knowle	_	- ·
			Witness	(if an	у)			-	_				For C	ompany				
			For Com	missi	on				_				Chec	ked by				

I declare under penalty of perjury under the laws of exempt status under Rule K.A.R. 82-3-304 on behalf of the and that the foregoing pressure information and states correct to the best of my knowledge and belief based up of equipment installation and/or upon type of completion. I hereby request a one-year exemption from open flagas well on the grounds that said well:	ments contained on this application form are true and on available production summaries and lease records or upon use being made of the gas well herein named.
(Check one) is a coalbed methane producer is cycled on plunger lift due to water is a source of natural gas for injection is on vacuum at the present time; KC ✓ is not capable of producing at a daily	n into an oil reservoir undergoing ER C approval Docket No y rate in excess of 250 mcf/D y and all supporting documents deemed by Commission
Date: 11/30/2012 Signature: Title:	Regulatory Apalyst

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.