KANSAS CORPORATION COMMISSION ONE POINT STABILIZED OPEN FLOW OR DELIVERABILITY TEST

Type Test	::				((See Ins	structi	ions on Re	everse Sid	e)	\C \(\circ\)	~ .10	936	2-00-	
Open Flow		X Shut-in Pressure			Test Date	(See Instructions on Reverse Side) 15-103-2-093 Test Date:							, , ,		
De	liverabilty	, 110330			11/10/1						3-80,036-				
Company		ources, Inc.						Lease Gruenc	del			2	Well N	umber	
County Location Leavenworth NW,NE,SE			Section 12				TWP 1		E/W)	Acres Attributed 40		Attributed			
Field Fairmount					Reservoir McLouth					athering Conn Transmission		•			
Completion Date 11/2/87				Plug Bac 1210'	Plug Back Total Depth 1210'				Packer 	Set at	William Control of the Control of th	•			
Casing Size Weight 4 1/2" 15.5#				Internal [Internal Diameter			Set at 1208'		forations 96'	то 1108'				
Tubing Size Weight 2.3/8" 4.7#				Internal (Internal Diameter			Set at 1063'		forations	То				
Type Completion (Describe) Gas					Type Fluid Production Water (Nil)				Pump Unit or Traveling Plunger? Yes / No						
Producing Thru (Annulus / Tubing)					% Carbon Dioxide				% Nitrogen Gas			Gravity -	G _q		
Annulus				Nil	Nil				Nil						
Vertical Depth(H) I 108'					Pressure Taps						(Mete	er Run) (f	Prover) Size		
Pressure	Buildup:	Shut in1	I - 09) 2	0_10_at_8	:15 an	<u>n</u> ,	(AM) (PM)	Taken_1	1-10	20	10 at 8:30	am	(AM) (PM)	
Well on L	ine:	Started		2	0 at			(AM) (PM)	Taken		20	at	•	(AM) (PM)	
				•	· · · · · · · · · · · · · · · · · · ·	OBSE	RVE	SURFAC	E DATA			Duration of Sh	ut-in	Hours	
Static / Dynamic Property	Orifice Size (inches)	Meter Prover Pres	Prover Pressure		Flowing Temperature t	Well Head Temperature t		Casing Wellhead Pressure (P_w) or (P_t) or (P_c)		Tubing Wellhead Pressure (P _w) or (P ₁) or (P _c)		Duration (Hours)		Liquid Produced (Barrels)	
Shut-In								psig 15	psia	psig	psia 	24+	24+		
Flow															
						FLOW	STRE	EAM ATTR	RIBUTES				4		
Plate Coefficcient (F _b) (F _p) Mcfd		Circle one: Meter or Prover Pressure psia		Press Extension P _m xh	Grav Fac F _t	tor		Flowing emperature Factor F ₁₁	Fa	viation actor F _{pv}	Metered Flov R (Mcfd)	(Cubic	GOR (Cubic Feet/ Barrel)		
					(OPEN FL	OW) /DE		DADILITY	\	ATIONIC			•		
P _c) ² =	:	(P _w) ²	=	:	P _d =	O V V) (DE	* %		P _c - 14.4) +		:		$(P_a)^2 = 0.5$ $(P_a)^2 =$	207	
(P _c) ² - (F	- I	(P _c) ² - (P _w) ²		oosa formula 1 or 2: 1. $P_c^2 - P_a^2$ LOG of formula 2. $P_c^2 - P_a^2$ and divide by:				Backpressure Curve Slope = "n"		1		Antilog	O De	Open Flow Deliverability Equals R x Antilog (Mcfd)	
O F				Martal Co. 11	05		<u></u>						<u> </u>		
Open Flov				Mcfd @ 14.				Deliverat				Mcfd @ 14.65 p			
		ed authority, ein, and that									the above repo December	ort and that he		vledge of 20	
											WH	oast	5_R		
		Witness	(if any	у)				-			For C	Company		-AEIAET	
		For Corr	missio	on				-	•		Chec	cked by	-DE	C 0 6 2 0	

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I declare under penalty of perjury under the laws of the state of Kansas that I am authorize exempt status under Rule K.A.R. 82-3-304 on behalf of the operator Monument Resources, Inc. and that the foregoing pressure information and statements contained on this application form correct to the best of my knowledge and belief based upon available production summaries and left of equipment installation and/or upon type of completion or upon use being made of the gas well hereby request a one-year exemption from open flow testing for the Gruendel #2 gas well on the grounds that said well:	are true and ease records
(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 staff as necessary to corroborate this claim for exemption from testing. Date:	by Commission
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.

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KCC WICHITA