Kansas Corporation Commission One Point Stabilized Open Flow or Deliverability Test

RECEIVED

Type Test	::				+	(See Instruc	tions (on Reve	rse Side))			J	AN 1	2 2004	
Open Flow X Shut—in Deliverability Pressure					Test Date: 12-20-03 API No. 1						o. 15 – 103	5 -103-21,091 KCC WICHITA				
Company		- D	ocarcoc.	Tnc				ase iende	1				V	/etl Num ‡3	per	
Monument Resources, Inc. County Location Leavenworth N/2,S/2,NE					Section 12				<u>-</u>	RNG (E/W) 22E			Acres Attributed 40			
Field Fairmount					Reservoir McLouth				Gas Gathering Connection COG Transmission Corporation							
Completion Date 12/24/88					Plug Back Total Depth 1192				Packer Se	at at			_			
Casing Size Weight 4 1/2" 10.5#				Internal D	Sel al 1192'			Perlora	.092' -	92' - 1100'						
Tubing Size Weight 2 3/8" 4.7#					Internal D	1. 7.0	Set at 1080 '			Perforations			То			
Type Completion (Describe) Gas					Type Fluid Production Water (Nil)					Pump Unit or The Andrew Yes / Yes / Yes / Pump						
Producing Thru (Annulus / Tubing) Annulus					% Carbon Dioxide Nil					% Nitrogen Ga Nil				as Gravity - G		
Vertical D	lepth(H)				Press	ure Ta	ps					(Meter Ri	un) (Զյջ չ	(ey) Size	
Pressure	Buildu		Shut in 12-	19 2	903 at _	25	(AM)	₹ ₽ \$ #\$_T	aken	12-20	200	3 at _	10:0	00_ (A	м) (РМ)	
Well on L	•			1) at		(AM)	(PM) T	aken		19	at _		(A	M) (PM)	
	<u></u>	-				OBSERVE	D SU	RFACE	DATA			Duration	of Shut-in	n2	4 Hours	
Static / Dynamic Property	Orific Size	e	Meter or Differential Temperature Temperature			(P _w) or (P ₁) or (P _c) (P _w)			Wellnes	Tubing nad Pressure or (P ₁) or (P ₂) Upsia			Liquid Produced (Barrels)			
Shut-In		bail						psig psia 18 —				24	24			
Flow																
						FLOW ST	REAM	ATTRIE	UTES		· · · · · · · · · · · · · · · · · · ·					
Plate Coefficcient (F _b) (F _p) McId		Circle one: Meter of Prover Pressure psia		Press Extension √ P _m x H _m	Gravity Factor F _e		Flowing Temperature Factor F ₁₁		Fa	eviation Metered F Factor R F _p , (McId)		ow GOR (Cubic Fee Barrel)		eV	Flowing Fluid Gravity G _m	
									<u> </u>							
(P _e) ² =			· (P)2=	:	(OPEN FL	OW) (DELIY	VERAI		CALCUI - 14.4) +		:		(P _a)² (P _d)²	= 0.20	7	
(P _e) ² - (P _e) ² or (P _e) ² - (P _e) ²		(P _e) ² - (P _u) ²		1. P _c ² - P _d ² 2. P _c ² - P _d ² divided by: P _c ² - P _d	tormula 1 or 2: p 2 p 2 LOG of tormula p 2 p 2 1. or 2. and divide		-	Backpressure Curv Slope = "n" or Assigned Standard Slope				Ant	Antilog		Open Flow Deliverability Equals R x Antilog McId	
								·								
					<u> </u>						<u> </u>	<u> </u>			_	
Open Flo				Mcfd @ 14.				iiverabili	·			Mold @ 1				
				behalf of the C							anuary faculary	d that he	has know	rledge of		
			Witness (il eny)				-		Presid		r Company	-		-	

For Commission

Checked by

exempt and that	clare under penalty or perjury under the laws of the state of Kansas that I am authorized to request status under Rule K.A.R. 82-3-304 on behalf of the operator <u>Monument Resources</u> , <u>Inc.</u> the foregoing information and statements contained on this application form are true and correct to of my knowledge and belief based upon gas production records and records of equipment installa-
tion and	or of type completion or upon use of the gas well herein named.
Ther	eby request a permanent exemption from open flow testing for theGruendel #3
gas well	on the grounds that said well:
Date:J	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 incapable of producing at a daily rate in excess of 150 mcf/D [Amuary 8, 2004]
	Signature:

Instructions:

All active gas wells must have at least an original G-2 form on file with the conservation division. If a gas well meets 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 obtain a testing exemption.

At some point during the succeeding calendar year, wellhead shut-in pressure shall be 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.

The G-2 form conveying the newest shut-in pressure reading shall be filed with the Wichita office no later than thirty (30) days after the taking of the pressure reading. The form must be signed and dated on the front side as though it was a verified report of test results.