## NEW MEXICO OIL CONSERVATION COMMSSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

`уре	Test								Test Date	77					
		Initio	ıl ———		Annual	ction		Specia	2-21-	-//					
	AMOCO	PRODU	CTION	COMPANY			aso N	atural G	as Co.						
ol					Forma		averd				Unit				
	Blanco		Тт	otal Depth			nd Back		Elevation		Form or I	_ease Na	me 🙇		
ompletion Date					}	4803			5636	GL	Gutierres Gas Com				
sq. Size		Wt.	11	I	Set At <b>265</b> (	1 .	erforatio rom	3880	To 4684		Well No.				
7.000 bg. Size		Wt.	20	6.456	Set At		rioratio					Sec.	Twp.	Rge.	
2.375 4			7	1.995	466	6 F	rom	Open		ro Ended		4	29 9		
pe	Well - Sir			_ G.G. or G.O.	Multiple			Packer Set A			County St	an Jua	ata.		
od	ucing Thre	ı	1	oir Temp. °F	Mean A	nnual Te	emp. °F	Baro, Press.	- P <sub>a</sub>		State New Mexico				
_	L	Н	1	.65	% CO 2		% N 2	% F	1 <sub>2</sub> S P	LOAGL	Meter F	lun	Taps		
		ــــــــــــــــــــــــــــــــــــــ	FL	OW DATA				TUBIN	G DATA	C.	ASING D	ATA		Duration	
٠.	Prover Line Size	х	Orifice Size	Press. p.s.i.g.	Diff,	•	Temp. •F	Press. p.s.i.g.	Temp.	Pre p. s.	i.g.	Temp. • F		of Flow	
	7 da		250		<u> </u>			130	60°	47			3	Hrs.	
4	2.37	5	.750		<del> </del>			230		+	<u> </u>				
-															
					<del> </del>					<del></del>			-		
					RAT	EOF	FLOW	CALCULA	TIONS						
		·····				ssure		w Temp.	Gravity		Super	ı	Rate of	Flow	
		(ficient		√h <sub>w</sub> P <sub>m</sub>				Factor	Factor Fg	*		ompress. ctor, Fpv		Q, Mcfd	
12.365			_			42	1.000		.9608	1.	1.013		1709		
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			_				<del> </del>		. ,						
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٥.	P.	Te	mp. *R	Tr	z	3			tio					_ Mcf/bb	
_		A.P.I. Gravity				7 of Educational Education						De X			
_					Specific Gravity Separator Gas  Specific Gravity Flowing Fluid X X X X										
						1	al Press				P.S.I.	1		_ P.S.I.	
_		_				Critic	al Temp	erature				R			
·	551	551 P <sub>C</sub> <sup>2</sup> 303,601				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{4.2595}{4.2595} \qquad (2) \left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2}\right]^n = \frac{2.9649}{4.2595}$							649		
10 P <sub>t</sub> <sup>2</sup>		Pw		P <sub>w</sub> <sup>2</sup>	$P_c^2 - P_w^2$	$-\frac{p_{\mathbf{w}}^{2}}{\mathbf{p}^{2}-\mathbf{h}}$		= <del>4</del>	• 4393	(2)	$P_c^2 - F_w^2$	_			
	ļ.—	4	82	232,324	71277	-	-					- "	4		
-						AOF:	_ [	Pe <sup>2</sup>	] n =	67			 		
							Ť	Pc2 - Pw2	]	f Vic	4 + 1	4.4	1		
			l		·	<u> </u>			·	1 011			<del>/</del>	.75	
	ite Open Flow							Mcfd @ 15.025 Angle of Slope ↔				Slope, n			
	3:4	. 500"	10.5	# liner #	et 244	5' -	4863			***************************************		-			
						<del></del>						Or sa P	iginal NO	Signed NTGOM	
	By Commission: Conducted By:						Calculated By:				Checked By:				
	T. M. C					liver	iver Oliver/W.R.Cordil				H. D. Montgomery				

## TABULATION OF DEVIATION TESTS GUTIERREZ GAS COM NO. 1A AMOCO PRODUCTION COMPANY

DEPTH	DEVIATION
266 '	1/2°
908 <b>'</b>	3/4°
1407'	3/4°
2031'	1°
2531'	1°
3260 <b>'</b>	1°
3757 <b>'</b>	1°
4283'	_ 1°
4800 <b>'</b>	1-1/4°

## $\underline{A} \ \underline{F} \ \underline{F} \ \underline{I} \ \underline{D} \ \underline{A} \ \underline{V} \ \underline{I} \ \underline{T}$

THIS IS TO CERTIFY that to the best of my knowledge the above tabulation details the deviation tests taken on AMOCO PRODUCTION COMPANY'S Gutierrez Gas Com No. 1A located 790' FSL & 790' FEL, Section 4, T-29-N, R-9-W, San Juan County, New Mexico.

	Signed <u>Alsoboda</u> Title <u>Area Adm. Supvr.</u>
THE OF MELL MEVICO	
THE STATE OF NEW MEXICO)  SS.  COUNTY OF SAN JUAN	3977
COUNTY OF SAN JUAN )	CIL COM. COM.
BEFORE ME, the undersigned authority, appeared E. E. Svoboda  Supvr. for Amoco Production Compa whose name is subscribed to the above me duly sworn on oath, states that he	on this day personally known to me to be Area Adm.  ny and to be the person statement, who, being by has knowledge of the facts
stated herein and that said statement	
SUBSCRIBED AND SWORN TO before me, a County and State this7th day	Notary Public in and for said of March, 1977.
9	Bleaux F. Brown Notary Public

My Commission Expires: December 28, 1979