## NEW MEXICO OIL CONSERVATION COMMISSION

•	Form	C-122

											To the second		Form C-12	
ъ				.∋ <sup>M</sup>	ULTI	-POINT	BACK PRE	ESSURE	TEST	FOR GA	S WELLS		Revised 12-1-5	
InitialAnnual						Special_x					Date of Test 6-22-56			
Company_F. J. Danglade														
	nit <u>E</u>											_		
	asing $5\frac{1}{2}$											_To		
	ubing 2 3/8													
													ess. 13.2	
Pr	roducing Thr	u: (	Casing	2.57			ihina		70		425	_Bar.Pre	ess. 13.2	
Da	roducing Thr	et.ion	10 1	٦ ٢١			mind.	x S	Single	Type We -Brade	ell <u>sing</u> enhead-G.	G. or (	G.O. Dual	
	te of Compl	001011.		1 <del>-</del> 21	±	Packe	r none	<del></del>	R	leservo	oir Temp.			
								VED DAT	A.					
Te	sted Throug	h <u>G</u> er	ower) (	Cabra	boe)	(Meter)	-				Type Tap	os		
	/D	V 1 75	Flow D					Tubi	ng Da	ta	Casing I	Oata		
No.	,,	() (x2	boke) ifice)	Pre	ess.		Temp.		S.	Temp.	Press.			
SI	Size		Size	ps	sig	h <sub>w</sub>	o <sub>F</sub> .	ps <b>i</b>	g	°F.	psig	°F.	of Flow Hr.	
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	Coeffic	ient.	1		T <sub>D</sub>	Jeguno	FLOW CAL			<del></del>				
No.				Pressure		Bance	Flow Temp. Factor		Gravity Factor		Compress. Factor		Rate of Flow	
1	(24-Ho	ur)	√ h <sub>w</sub> r	$^{0}f$	]	o <b>s</b> ia	F <sub>1</sub>	1	Fg		F <sub>pv</sub>		Q-MCFPD   15.025 psia	
1.	9.643		49.2	5			9933		با9.					
2.	9.6/13		77.1				9921		باو <u>ه</u> باو		1.019		<u>1455</u> 713	
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						PRE	SSURE CA	LCULAT	IONS					
Gas 1	Liquid Hydro	ocarbo	n Ratio				cf/bbl.			Specif	ia Consti	· Cammu		
Grav:	ity of Liqu	id Hyd	rocarbo	ns_			deg.			Specif	ic Gravit	y Separ v Flowi	ator Gas	
c	Measured		(1	-e <sup>-</sup>	3)					P <sub>c</sub> 52	27.2	Pc 27	7.9	
	p	<del></del>										-		
No.	$P_{\mathbf{W}}$	P	F <sub>c</sub>	2		$(F_cQ)^2$	/B	012	_		-2 - 2			
	Pt (psia)	**	r   'c'	~		(T.CAS)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	Q) <sup>2</sup> e-s)	P,	w <sup>2</sup>	$P_c^2 - P_w^2$	Cal		
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Abso	lute Potent	ial:_	2,600				MCFPD;	n .650					<del></del>	
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REMARKS

Well could not be pulled down below 8h% of STP due to chake as

WITNESSED J. Blumer/

COMPANY Fl Paso Natural Gas Company

## INSTRUCTIONS

This form is to be used for reporting multi-point back pressure tests on gas wells in the State, except those on which special orders are applicable. Three copies of this form and the back pressure curve shall be filed with the Commission at Box 871, Santa Fe.

The log log paper used for plotting the back pressure curve shall be of at least three inch cycles.

## NOMENCLATURE

- Q = Actual rate of flow at end of flow period at W. H. working pressure (Pw). MCF/da. @ 15.025 psia and 600 F.
- P<sub>c</sub>= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw Static wellhead working pressure as determined at the end of flow period. (Casing if flowing thru tubing, tubing if flowing thru casing.) psia
- Pt- Flowing wellhead pressure (tubing if flowing through tubing, casing if flowing through casing.) psia
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg = Gravity correction factor.
- $F_t = Flowing temperature correction factor.$
- $F_{pv}$  Supercompressability factor.
- n \_ Slope of back pressure curve.
- Note: If  $P_{\rm W}$  cannot be taken because of manner of completion or condition of well, then  $P_{\rm W}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\rm t}$ .