											$\sim$	
				NE	W MEXICO	OIL CONS	SERVATIO	N COMPLOS, E	, NN	A	NEER	
								Į. <sup>‡</sup>			Form C-122	
				MULT	'T-POINT B	ACK PRES	SURE TE	ST FOR GAS	WELLS		Revised 12-1-55	
Pool	Eunoc	rt.			Formation	Tates-	Geven R1	III) ( Vers	County L	2:	18	
											6-22 20 6-29-56	
Compa	ny Galf Oi	1 Cor	porati	<u>90</u>		Lease	Ramay,	<u>M. A.</u> "B"	Wel	l No		
Unit	<u> </u>	ec.	<b>25_</b> Tw	p. <b>21</b> 9	Rg	e. <u>36E</u>	Pur	chaser <u>Gulf</u>	Oil Corp	oration	L	
Casin	g <b>5•5</b> W	t. <u>14</u>	I	.D. <u>5</u>	.012 Se	t at <u>371</u>	<b>6</b> P	erf. <u>3530</u>		Го	720	
Tubin	g <u>2•375</u> W	t. 4.	<u>7</u> I	.D. <u>1</u>		t at <u>3</u>	<b>100</b> Pe	erf		ľo		
Produ	cing Thru:	Ca	sing		Tul	bing		Type We	11 <u>Sincia</u> nhead-G.	G. or G	.0. Dual	
Date	of Complet	ion:	6	-25-5	l_Packe:	r0		Reservo	ir Temp			
						OBSERV	ED DATA					
Teste	d Through				) (Meter)				Туре Тар	s <b>_ Plan</b>		
- <u></u>			Flow D				the second s	g Data	Casing D		D	
No.	(Prover) (Line)	(Ori:	fice)		s. Diff.	-		Temp.			of Flow	
	Size	S	ize	psi	g h <sub>w</sub>	°F.	psig	°F.				
<u>SI</u> 1.		1.	75	652	1.7	60	×2.0	+	1059-0 968-9		<u>70</u>	
2.	4	1.	15	641 643	1.7	<b>60</b> 60 60	962.0 562.0	1	968.9 880.0		23	
$\frac{3}{1}$	¥	1.		685 720	8.8	<u> </u>	787.0	+	812.0 769.0		24	
1. 2. 3. 4. 5.								1				
<u></u>			•				CULATIO	the second s				
No.	Coeffici	ent			Pressure		Temp.	Gravity Factor	Compre Facto		Rate of Flow Q-MCFPD	
	(24-Hou	r)	-V hw	Pf	psia		't	Fg_	Fpv		@ 15.025 psia	
1.	19.27		3123		695.2	1.030		•9325	1.035		670	
2.	19.27		60 <b>.16</b> 78 <b>.3</b> 5		696.2 698.2	1.000		•9325 •9325	1.085		1173	
1. 2. 3. 4. 5.	19.27		89.31		733+2	1.000		.9325	1.070		1759	
5.			I									
					PRI	ESSURE C	ALCULAT:	IONS				
	quid Hydro			o		cf/bbl.					rator Gas	
ravit;	y of Liqui	а нуал	rocarb (	ons 1-e <sup>-s</sup>	<u>}</u>	aeg.		Pc-	1072.2	$P^2$	ving Fluid	
0				,				0		_		
No.	Pw	P	2 F		$(F_cQ)^2$	(F	$\left[ \frac{c^{Q}}{c^{e-s}} \right]^{2}$	P <sub>w</sub> 2	$P_c^2 - P_w^2$	Ca	.1. P <sub>W</sub>	
	P <sub>t</sub> (psia)			<u> </u>		()	-e <sup>-s</sup> )		136.8	F	$\begin{array}{c c} P_{W} \\ P_{C} \\ \hline \end{array}$	
1. 2. 3. 4.	073-2				+		+	702.0	351.0	+	<u> </u>	
3.	825.2							661.0	468-6		76.9	
4.	702.2				ļ			611.6	537-0	+	72.9	
5.	ute Por ort		<b>_</b>		3540	MCFPD;		.93	<u> </u>			
OOM A		ett ol Box ol	1 Ger 67, H	parati		,	···				<u></u>	
ADDRE	SS and TITLE										<u></u>	
WITNE	SSED											
COMPA	NY											

REMARKS

## 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  $(P_W)$ . MCF/da. @ 15.025 psia and 60° F.
- $P_{c}$ : 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- P<sub>w</sub>: 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

Pf\_ Meter pressure, psia.

hw= Differential meter pressure, inches water.

FgI Gravity correction factor.

$F_t$ Flowing temperature correction factor.		•	•
F <sub>pv</sub> I Supercompressability factor.	~		•

n I Slope of back pressure curve.

Note:	If	Pw cannot be taken because of manner of completion or condition
	of	well, then P <sub>w</sub> must be calculated by adding the pressure drop due
	to	friction within the flow string to P <sub>+</sub> .