NEW MEXICO OIL CONSERVATION COMMISSION

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			MULTI-	POINT BA	CK PRES	SURE TEST	FOR GAS	WELLS	11 Rev	19ed 12-1-55	
MULTI-POINT BACK PRESSURE TEST FOR											
	InitialAnnual										
	mpany Gelf Cil Carporation										
	0 Se										
	gW										
	gW1 g 2.575 W1										
	,	2									
										13.2	
Produ	cing Thru:	Casing_		Tut	oing	Sing	_Type We le-Brade	nhead-G. (G. or G.O.	. Dual	
Date	of Complet:	ion:	-57	Packer	·		Reservo	ir Temp			
					OBSERV	ED DATA		2			
Teste	d Through -	(110.01)	(Onone)	(Meter)				Туре Тар	s_ Pipo		
<u>'</u>		Flow	Data				Data	Casing D			
No.	(Frover) (Line)	(Orifice)		Diff.				Press.		Duration of Flow	
	Size	Size	psig	h _w	°F.			the second s	^o F•	Hr.	
SI 1.		2.45		L	65	766.1		766.1 786.1	┟───┼─	70	
2.	<u>i </u>	2.00	4.4	20.1	62	672.5				3	
3.	4				60	402.0		1	┝──┾─		
4.	1	2,00	5.5	20,1	67	424.6		44.5		26	
					FLOW CAT	CULATIONS	3				
<u> </u>	Coefficient (24-Hour) $\sqrt{h_w}$		Pr	Pressure		Temp.	Gravity	Factor		te of Flow	
No.			w ^p f			tor t	Factor ^F g			-MCFPD 15.025 psia	
1.	29.92 15.		5,30	39 54.3		2	.539	1.4		4.94	
2.	270 12		5.22	3.0 19.5			-077			704 979	
3. 4.	23-92 34 73-92 44						•9397 •1297	1.4		1263	
5.	29,92		1.19	4.5	.99		,9399	1.0		1009	
Gas Li Gravit ⁷ c	iquid Hydro y of Liqui	carbon Rat d Hydrocar	tio rbons (1-e ^{-S})			CALCULATI	Speci Speci	fic Gravi fic Gravi		g Fluid	
No.	P _w Pt (psia)	P_t^2	F _c Q	(F _c Q) ²	2 (1	F_{cQ}^{2}	P _w 2	$P_c^2 - P_w^2$	Cal. Pw	Pc	
1. 2.	The J						549.5	60.9			
3.	64.3							205.3		•41	
4. 5.	552.05 477.07						220.2	38.2		-7	
	lute Porent	ial:	1477		MCFPD	; n6	0				
COMP.				N							
ADDRI AGEN	T and TITL	11.	. Ant	F		Tester					
WITN	ESSED	Re Le W									
COMP	ANY	<u>. Perula</u>	Jeela Pl	peline		MARKS	·				

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_w 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

P_f Meter pressure, psia.

 h_W Differential meter pressure, inches water.

 F_g : Gravity correction factor. F_t : Flowing temperature correction factor. F_{pv} : Supercompressability factor.

n _ Slope of back pressure curve.

Note:	If P _w cannot be taken because of manner of completion or condition
	of well, then P _w must be calculated by adding the pressure drop due
	to friction within the flow string to P