## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

DIL CON. COM.

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Revised 12-1-55

Poc	ol Undesi	gnated	I PC	Fc	rmation	Picti	ared C.	liffs	County	Rio A	r <b>riba</b>
Ini	tial		Annu	al		Spec	ial		Date of	Test	8/24/60
Com	pany <b>Tida</b>	011	Comp	any		Lease	ernts.	-Tidal	Wel	1 No	1-4
Uni	t <b>N</b>	Sec. 21	LTw	p. 24N	Rg_Rg	e. 1W	Pur	chaser_B	l Paso N	at <b>ur</b> a	1 Gas Company
Cas	ing 44 V	Nt. 9.	<b>5</b> I	.D. 4	. <b>090</b> Se	t at 3	144 P	erf. 30	62	To 30	080
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						OBSERV.	ED DATA				
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			low D					g Data	Casing Da		
No.	(Line)	(Orif						. Temp.			Duration of Flow
	Size	Si	ze	psig	h <sub>w</sub>	°F.	psig	F.	psig	F.	Hr.
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		·				FLOW CAL					
No.	Coeffici	.ent		Pr					Compres		Rate of Flow
NO.	(24-Hou	ır)	7 h.d	0.6	psia	rac F	LOP	F <sub>a</sub>	Fny		Q-MCFPD @ 15.025 psia
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Gas 1	Liquid Hydro ity of Liqui		ocarbo		PRI	ESSURE CA	ALCU AT	Speci Speci		y Flow	arator Gas wing Fluid 7.449
			:					<del></del>			
	$P_{\mathbf{w}}$	_2	T	_	(n a)2	/-	0)2		P <sub>c</sub> <sup>2</sup> -P <sub>w</sub> <sup>2</sup>		,
No.	Pt (psia)	Pt <sup>2</sup>	F	.Q	$(F_cQ)^2$		cQ) <sup>2</sup> -e <sup>-s</sup> )	$P_w^2$	P <sub>c</sub> -P <sub>w</sub>	l Ga	Pw Pc
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1. 2.	630							100 101	200 026		2 001
3. 4.	632							399.424	398.025		2.004
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		Page		urel (	as Con	pany					
							ARKS	<del></del>			

## 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 I Actual rate of flow at end of flow period at W. H. working pressure ( $P_{\rm W}$ ). MCF/da. @ 15.025 psia and 600 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
- Pf Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}\mbox{\scriptsize I}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- $F_{\rm DV}$  Supercompressability factor.
- n I Slope of back pressure curve.

Note: If  $P_{\mathbf{W}}$  cannot be taken because of manner of completion or condition of well, then  $P_{\mathbf{W}}$  must be calculated by adding the pressure drop due to friction within the flow string to  $P_{\mathbf{t}}$ .

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