## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

				MULTI	-POINT	BACK PRE	SSURE TE	ST FOR GA	S WELLS		Revised 12-1-55
Poo	1 _UNDES	GONATI	eD_	F	ormation	n DA	KOTA		County_	SAN	JUAN
Ini	tial	XXX	Annı	ual		Spec	cial	Z. (Tamapahayakany syko = L.: Francystovina		Test	3 <b>-</b> 22 <b>-62</b>
Com	pany R &	G DR	ILLING	COMP	ANY	Lease	Lunt	e (natica Salikana kanakana kanakana kanakana)	¥e]	Ll No	63
Uni	NE/NE	_Sec	7Tv	vp30	<b>N</b> R	ge. <u>13</u> M	Pur	chaser_ <b>\$</b> 0	uthe <b>rn</b> l	Jnion	Gas Co.
Cas	ing 44	Wt. 1	1.6	[.D	Se	et at_6	270 P	erf. <b>606</b> 6	,	To 61	78
Tubing 2" Wt. 4.7 I.D.				Set at <b>6150</b> P			erf. 6150 To 616				
							XX	Type We	ell Sing	le - G	a <b>s</b>
							271	ngle-Brade Reservo	ennead-G.	G. or (	r.O. Dual
		_					ED DATA		• •	<del></del>	
Test	ed Throug	h (Pro	over) (	Choke)	(Meter)				Time Tar	.e	
Tested Through (Prover) (Choke) (Meter)  Flow Data							Tubin	Tubing Data   Casing Data			
No.		) (Cr	oke)	Press.	Diff.	Temp.	Press	Temp.		Temp.	7
NO.	(Line) Size		fice) Size	psig	h <sub>w</sub>	°F.	psig	o <sub>F</sub> .	psig	o <sub>F</sub> .	of Flow Hr.
SI l		-	750	2028			2028 379	Ī	2028 1042		
1. 2. 3.				<u> </u>			333		876		
4.							268	80	520		3 Hours
5.										t	
			•		<u> </u>	FLOW CAL		IS_			
No.	Coefficient			Pr	Pressure Flow		Temp. Gravity tor Factor		Compress. Factor		Rate of Flow Q-MCFPD
	$(24-Hour)$ $\sqrt{h_{WF}}$		$p_{\mathbf{f}}$	f psia		t	Fg	Fpv		€ 15.025 psia	
l. 2.	12.365				<b>289</b> •98		13 1.00		1.025		3482
3.											
5.											
			<del></del>						<del>-                                    </del>		
					PRI	ESSURE C	ALCUI ATI	ONS			
	iquid Hydı ty of Liqu					cf/bbl.					rator Gas
	oy or bride	ilu liyu.	(	1-e <sup>-s</sup>		deg.			iic Gravi	P <sub>C</sub>	ing Fluid
10.	$P_{\mathbf{W}}$	P	2	0	$(F_cQ)^2$	/B	0,2	D O	$P_c^2 - P_w^2$		,
	Pt (psia)	)	f Fo	34	(r <sub>c</sub> ų)	(1:	0) <sup>2</sup> e-s)	P <sub>w</sub> 2	Pc-Pw	Ca	L P. V
								672.4	3450	0	10/
										A Prof. 5	1000
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	Lute Poter	tial:	2072		· · · · · · · · · · · · · · · · · · ·	MCFPD;	n .75				1ST. 3
OMP	ANY	801	PILL	NO CO	PANY						
	ESS <u> </u>	EP	- Fa	ion R	con, No	aw Maxi	B1	ll R. Ha	stings.	Bill	R Hanting
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OPLE	311 I					REMA	RKS	<del></del>	<del></del>	<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 ( $P_W$ ). 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.
- $h_{\mbox{\scriptsize W}}\mbox{\footnotesize I}$  Differential meter pressure, inches water.
- $F_{g}$  Gravity correction factor.
- Ft Flowing temperature correction factor.
- $F_{\text{DV}}$  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  $P_{\mathbf{t}}$ .