## NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

## MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS Revised 12-1-55

Pool	Under	<b>s</b> nated		_Formation	Dakota	<u> </u>	County_	San Juan	<u> </u>
Initi	ialX		Annual		Specia	1 <b>X</b>	Date of	Test	
Compa	any Sunra	y M14-00	outinent	OLL Co	Lease N.M.	Fed. WE	We]	ll No	1
Unit		Sec6	Twp <b>2</b>	<b>91</b> Rg	e. 11W	_Purchaser_	Xone		
Casir	ng 🏂 V	/t. 14#	I.D	Se	t at_5680	Perf	<b>3</b> 12	То 552	2
Tubir	ng 2 3/8 V	it. 4.7	I.D	<b>1,995</b> Se	t at 5h11	Perf		_To	
Gas I	Pay: From	5142	To <b>5522</b>	L_5\$	<b>x</b> G_ <b>C</b>	-GL	401.5	Bar.Pre	ss. <b>12.0</b>
Produ	cing Thru:	Casi	ng	Tu	bing X	Туре	Well_Sime	lo-Gas	O D
Date	of Complet	ion: 1	9-60	Packe	rX_	Type Single-Br Rese	adennead-G. rvoir Temp.	G. Or G	.U. Duai
					OBSERVED				
Teste	ed Through	(Prove	r) (Choke	e) (Meter)			Type Tar	os	
~			ow Data	7:00		Tubing Data	Casing I	ata	Duration
No.	(Line)	(Onifi	ادم	ss. Diff.		Press. Tem	}	1 1	of Flow
SI	Size	Siz	e psi	g h <sub>w</sub>		psig <sup>O</sup> F		F.	Hr.
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2. 3.		<del> </del>		<del></del>		<del></del>		+	
4.									
5.					L			<u> </u>	
·			<del></del>		FLOW CALCU				0.77
No.				Factor	Flow Temp. Gravity Factor Factor Ft Fg		Factor Q-		
1.	12.3650			60	0.9962	0.96			682
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4.									
as Li Favit	.quid Hydro y of Liqui	ld Hydro	carbons		essure cald	Sp Sp	ecific Gravi ecific Gravi	ty Flow:	ing Fluid
No.	P <sub>w</sub>	Pt <sup>2</sup>	F <sub>c</sub> Q	$(F_cQ)^2$	(F <sub>c</sub> Q (1-e	$P_{w}^{2}$	$P_c^2 - P_w^2$	Ca	Pw Pc
	Pt (psia)	6.56	6,13	ы	10.3	' L	2696.2	P. 128	0.077
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4.									
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					<b>REMA</b> R	KS		OIL CON	I. COM.

## 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 60° F.
- $P_c$ = 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- PwT 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<sub>f</sub> Meter pressure, psia.
- $h_{\mbox{\scriptsize W}}^{-}$  Differential meter pressure, inches water.
- Fg Gravity correction factor.
- $F_t$  Flowing temperature correction factor.
- Fpv 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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