NEW MEXICO OIL CONSERVATION COMMISSION

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											Form C-122	
	MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS								F	Revised 12-1-55		
			MU	LTI-	POINT B	ICK PRES	SUMA TES	T FOR GAS	WELLIS			
Pool	<u> </u>	t		Fo	rmation	Seven 1	Rivers		4Gounty	Lea	L	
Init	ial		Innual_			Spec	ial	<u>x</u>	_Date of	Test <u>Ju</u>	1y 23, 1956	
Comp	anyChar	<u>m 011</u>	Compa	n y	I	lease	Gulf	State	Wel	1 No	1	
Unit <u>V</u> Sec. <u>1</u> Twp. <u>218</u> Rge. <u>35E</u> Purchaser <u>Permian Basin Pipe Line Co.</u>												
Casing 7 Wt. 20 I.D. 6.456 Set at 3929 Perf. 3483 To 3545												
Tubing 2 3/8 Wt. 4.7 I.D. 1.995 Set at 3700 Perf To												
Gas	Pay: From	3483_1	[o 35	43	_L_348	<u>3</u> _x	GBPC	<u></u> GL_2	334	Bar.Pre	SS	
Producing Thru: Casing Tubing Type Well <u>G</u> Dual Single-Bradenhead-G. G. or G.O. Dual												
Date of Completion: 9-10-54 Packer 3600 Reservoir Temp.												
2-00							ED DATA		_			
						OBSERV	ED DATA			\subseteq	N.	
Test	ted Through				(Meter)				Туре Тар	s	M	
-		Flo	ow Data					Data	Casing I			
	(Prover)			ess.	Diff.	Temp.	Press.	Temp.	Press.	Temp.	Duration of Flow	
No.	(Line) Size	(Orifi Size		sig	h _w	°F.	psig	°F.	psig	°F.	Hr.	
T _{SI}								1	847.2		72	
<u>ī.</u>	4 + 1 25			480 6 5 2		76			233.5		20	
2.	4 + 1 25			6.7	8.8	74		+	682.7-	<u></u>		
3.	4 = 1.25	 		6.8	14.4		 	╉────	608.6	╂	23 3/4	
<u>4.</u> <u>5.</u>	<u>4 x 1,25</u>	<u> </u>		9.7	19.7	-77	┝╼┶───		544.2	+	- 24	
!		L								<u> </u>		
	Coeffici				essure		CULATION Temp.	Gravity	Compre		Rate of Flow	
No.	Coeffici	ent			essure		tor	Factor	Facto	r	Q-MCFPD	
	(24-Hou	r) 7	/ h _w p _f	of psia		F	't	Fg	Fpv		@ 15.025 psia	
1.	10.24		50,60		0.984				1.045		506	
2.	10.24			32		0 9868		0.9463		47		
$\frac{1}{2}$	10.24	the second se	84,85			0.982		0.9463_	1.0		844	
<u>4.</u> 5.	10.24	/'	26,20	2		981	ю	0.9463		46	1002	
Gas	Liquid Hydro ity of Liqui	ocarbon d Hydro	Ratio				CALCULAT	Spec	ific Grav: ific Grav:	ity Flow	arator Gas <u>. (70</u> ving Fluid	
Fc			(1-0	<u>-s)</u>			-	Pc		P2		
							i-	<u></u>		<u> </u>		
No.	P _w	P_t^2	F _c Q		(F _c Q) ²		$\left \frac{1}{c^{Q}} \right ^{2}$ L-e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca	Al. Pw Pw Pc	
	Pt (psia)	557 6	0 55		0 1274		the second s	· · · · · · · · · · · · · · · · · · ·	557 6	246	7 87	
$\frac{1}{2}$.		18/ 2	0.35		0,1270		226		484.7	695.	9 .81	
3.		386.6	0.59	2	0.3581		527		+ 366.7	621.	9 .72	
4.		310.7	0.70	34	0.5018		\$4 <u>3</u> -+		310.8		5 .65	
5.	L											
	olute Potent	ial:		_			; n	.81				
	PANY RESS	<u> </u>	Cha			neny A	rtecie	New Mo	vico			
ADDRESS 302 Conter Bldg, Artesis, New Mexico AGENT and TITLE Alies Y. Ahugo												
WITNESSED												
COM	[PANY		<u></u>			RE	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.
- FgI Gravity correction factor.
- Ft_ 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_+ .