NEW MEXICO OIL CONSERVATION COMMISSION

- Tex 9.585

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

1956 SEP 20 PM 2:480

Revised 12-1-55

	ol Bus tial			Fc	rmat 10	nQ	cial v	111 5:	48 County	f Tost	iept. 8, 19
Con	ipariy Sch	er mark	opp ()-1.1	Core	· - · · · ·	Lease C	and admin	retest.	Dave o.	all No	Sept. 8, 19
Uni	t D	Sec.	Twp	20.5	R	ge. 97 1	Pur	chaser :			Pipeline Co
Cas	ing s 1/2	Wt.14	o#I.	D- 5 -01	28 S	et at 👥	sage Pe	erf.	THE PARTY OF		
Tub	ing 3/8	_Wt	7# I.I	0.1.00	Se Se	et at g	ZAR P	erf.		то	
Gas	Pay: Fro	om 3660 1	To 87	751	L_26	AS!	xG O SS	-GL	24961	Bar.Pr	ess. 13.2
Pro	ducing Thr	u: Ca	sing		Tı	ıbing		Type V	Vell Sie	de Cam	mletion G.O. Dual
Date	of Compl	etion:_	12-1-5	\$	_Packe	r	Sir	ngle-Brad Reserv	denhead-G.	G. or	G.O. Dual
							ED DATA		•		
Test	ed Throug	h (Pro	ver) (Ch	oke) (Meter)				Type Ta	DS 1948	
			Flow Data			Tuk		Data	Casing Data		<i></i>
No.	(Prover (Line)	Cb	ice) P	ress.	Diff.	Temp.	Press.				Duratio
	Size			psig	h _w	°F•	ps i g	°F.	psig	o _F .	of Flo
SI l.		+							910.4		72 Hr. S.J
2.	40	1.2		6.6 6.6	9.0	61		 	747.5	 	24 Hr.
3.	49	1.2	50ª 4	55.7	20.2	-64			618.1	1	24 Hr.
5.	4	1.9	50° 41	55.0	27.1	-65			551.4	ļ	24 lb
10.	Coefficient (24-Hour)		$\sqrt{h_{\mathbf{w}}p_{\mathbf{f}}}$	_	Pressure psia		CULATIONS Temp. Cor	Gravity	Factor Q-		Rate of Flow Q-MCFPD @ 15.025 psia
c	10.24		64.61			0.99		0.9498	1,0	50	659
<u> </u>	10.24		97.82			0,991 0,991			1,080		794
	10,24		112,60	+		0.99		0.9498	1.04		1142
コヘエロ	quid Hydro y cf Liqui	ia Hyarc	carbons	~~		cf/bbl. deg.	LCUIATIO	Speci Speci	fic Gravit fic Gravit	tv Flowi	ng Fluid
'• '	P _t (psia) P _t ²		F _c Q		F _c Q) ²	(1-6	2) ² e-s)	P _w 2	P _c ² -P _w ²	Cal.	Pw Pc
		578.7 496.5	1,128		272 147	0.19		78.0	274.1	760.9	82.4
7 7	08.0		1.695	- 2	373	0.44	24	98.9	957.2 454.1	704,1 681,6	76.2
7 7	31.3	398 <u>.</u> 5			199	0.58	28 9	19.4	588.6		
7 7	31.3	398,5 318,8	1,955	9.1	-				-00000	565,2	61,2
7 7 6 5	81.8 84.6 ute Potent	398.5 318.8 ial:	1,955	1		MCFPD: r			-000#0	565,2	61.2
5 SoluMPAN	st.s ste Potent	398,5 318,8 ial:	1,988	6 04.1 C	orpopi	MCFPD; r	0.89			345,,2	61.2
7 7 6 5 5 Sosolu MPAN	st. s ste Potent	398,5 318,8 ial:	1,988	6 04.1 C	orpopi	MCFPD; r				565,2	- 61.2

CO2 and W2 content of gas is negligible.

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 (Pw). MCF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- Pw 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
- Pr Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg= Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fnv Supercompressability factor.
- n _ Slope of back pressure curve.

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