NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

			MUI	TI-POINT	BACK PRES	SSURE TES	ST FOR GA	S WELLS		Revised 12-1-55		
Poo	ol <u>Basin</u> Formation Dakota Count							County	San J	Juan		
Ini	Initial X Annu			ualSpecial						6-19-61		
				Inc. Lease Maddox								
	it <u>L</u>											
	sing 4 V									5394		
					et at 6330 Perf. 6							
						•				ess		
Dat	Producing Thru: Casing Tubing X Type Well Single Gas Single-Bradenhead-G. G. or G.O. Dual Date of Completion: 5-21-61 Packer Reservoir Temp.											
						ED DATA						
Tes	ted Through	(Broovers) (Chok	e) (Namani				Туре Тар	ve.			
-										· · · · · · · · · · · · · · · · · · ·		
No	(Prover) (Line)	(Choke	Pre	ss. Diff.	Temp.	Press.	Temp.	Casing D	Temp.	Duration		
	Size	Size	ps	ig h _w	o _F .	psig	°F.	psig	o _F .	of Flow Hr.		
SI 1.						2134		2132				
2.												
3.	2*	0.750	18	6	62		 	1246	 	3 hrs.		
<u>4.</u> 5.							 		 			
					RI ON CAT	CUT A STON	0		<u> </u>	*		
Coefficient Pressure Flow Temp. Gravity Compress. Rate of									Rate of Flow			
No.					Fac	tor	Factor	Facto	r	Q-MCFPD		
7.	(24-Hour) 7		n _w p _f	h _w p _f psia		t	Fg	F _{pv}		● 15.025 psia		
1. 2. 3. 4. 5.												
3.	12.3650			198	•9981		9393	1.022		2346		
5.												
PRESSURE CALCUIATIONS Jas Liquid Hydrocarbon Ratio cf/bbl. Specific Gravity Separator Gas Gravity of Liquid Hydrocarbons deg. Specific Gravity Flowing Fluid Fc												
No.	P _w Pt (psia)	Pt ²	F _c Q	(F _c Q) ²	(F.	cQ) ² -e ^{-s})	P _w 2	P _c ² -P _w ²	Ca P	1. Pw Pc		
2. 3.	1258			†			1500					
4.	1276						1582	3023		1,5233		
									<u> </u>			
COM	olute Potent: PANY			d. Inc.	MCFPD;	n75_	1.371					
	ESS	1007 N	. Dusti	n. Fermin	gton, New	Mexico				FI)		
AGENT and TITLE T. A. Dugan. Engineer Original signed by T. A. Dugan WITNESSED												
COMPANY										/ Killi		
REMARKS										JUN23 19		
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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 600 F.
- P_c= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater. psia
- $P_{\rm W}$ 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.
- $h_{\mathbf{w}}$ I Differential meter pressure, inches water.
- F_g Gravity correction factor.
- F_t Flowing temperature correction factor.
- F_{DV} Supercompressability factor.
- n I 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 $P_{\rm t}$.