NEW MEXICO OIL CONSERVATION COMMISSION

HOBBS OFFICE OCC

Form C-122

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

1956 OCT O DU TOUR PRESSURE 12-1-55

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										6-8 to 6-15-56	
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	ng 5.5 I										
	ng 2.375 T										
										ess. 13.2	
Prod	ucing Thru	: Casi	.ng	Tı	ubing	X	Type We	ell St	nelm		
Date	of Complet	cion: 9	-26-51	Packe	er •	Sin	gle-Brade Reserve	enhead-G.	G. or	G.O. Dual	
						ED DATA					
Test	ed Through	· (37000	S) (Since	(Meter				Time Tan	s 17		
Flow Data								g Data Casing Data			
No.	(Line)	(3000	Pre:	ss. Diff.	Temp.		Temp.				
	Size	Siz		ig h _w	°F.	psig	°F.	psig	°F.	of Flow Hr.	
SI 1.		1.60	71	1.7	40	1103		1303		70.5	
2.		1.50		11.3	60	99 3		100		21.5	
3.		1.90	714		60	880		926		24.0	
<u>4.</u> 5.		1.50			60	776		936	 	23.0	
No.	Coeffici (24-Hou		h _w p _f	Pressure psia	Flow Factor	CULATIONS Temp. tor	Gravity	Compre Facto Fpv	r	Rate of Flow Q-MCFPD @ 15.025 psia	
3.	13.99		\$7.99	672.2	60		-9393	1,000		1910	
1.	13.99	·	96-25	753.2			.9393	1.090		1378	
4. 5.			27.27	735.2	60		.9393			1821	
ravit	quid Hydro	carbon H	Ratio carbons (1-e ⁻⁵		cf/bbl. deg.	ALCU ATIC	Speci Speci	fic Gravit fic Gravit	cy Sepa cy Flow PC	rator Gas <u>.630</u> ing Fluid_	
No.	P _w Pt (psia)	Pt ²	F _c Q	(F _c Q) ²	(F ₀	Q) ² -e ^{-s})	P _w 2	$P_c^2 - P_w^2$	Ca P	1. Pw Pc	
1. 2. 3. 4.	1025,2 737,2		-				032.7	277		91.0	
$\frac{\tilde{3}}{3}$	93.3			 			582.1	TITE -		Me.1	
4.1	127.3			+			852.3	393.6	 	52.7	
5.				 			CART.	561.60	 	74.1	
COMPA: ADDRE	SS and TITLE SSED	2 062 6	Mac Arjanaka Malba, Ma Ar S	w Herrico	MCFPD;	n_ 0.76					
JUNITA!	<u> </u>				DEWA	DVC					
					REMA	HKS					

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 = ctual rate of flow at end of flow period at W. H. working pressure (P_w) . CF/da. @ 15.025 psia and 60° F.
- Pc= 72 hour wellhead shut-in casing (or tubing) pressure whichever is greater.
- 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
- Pf Meter pressure, psia.
- hw Differential meter pressure, inches water.
- Fg Gravity correction factor.
- Ft Flowing temperature correction factor.
- Fpv Supercompressability factor.
- n 📘 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 $P_{\mathbf{t}}$.