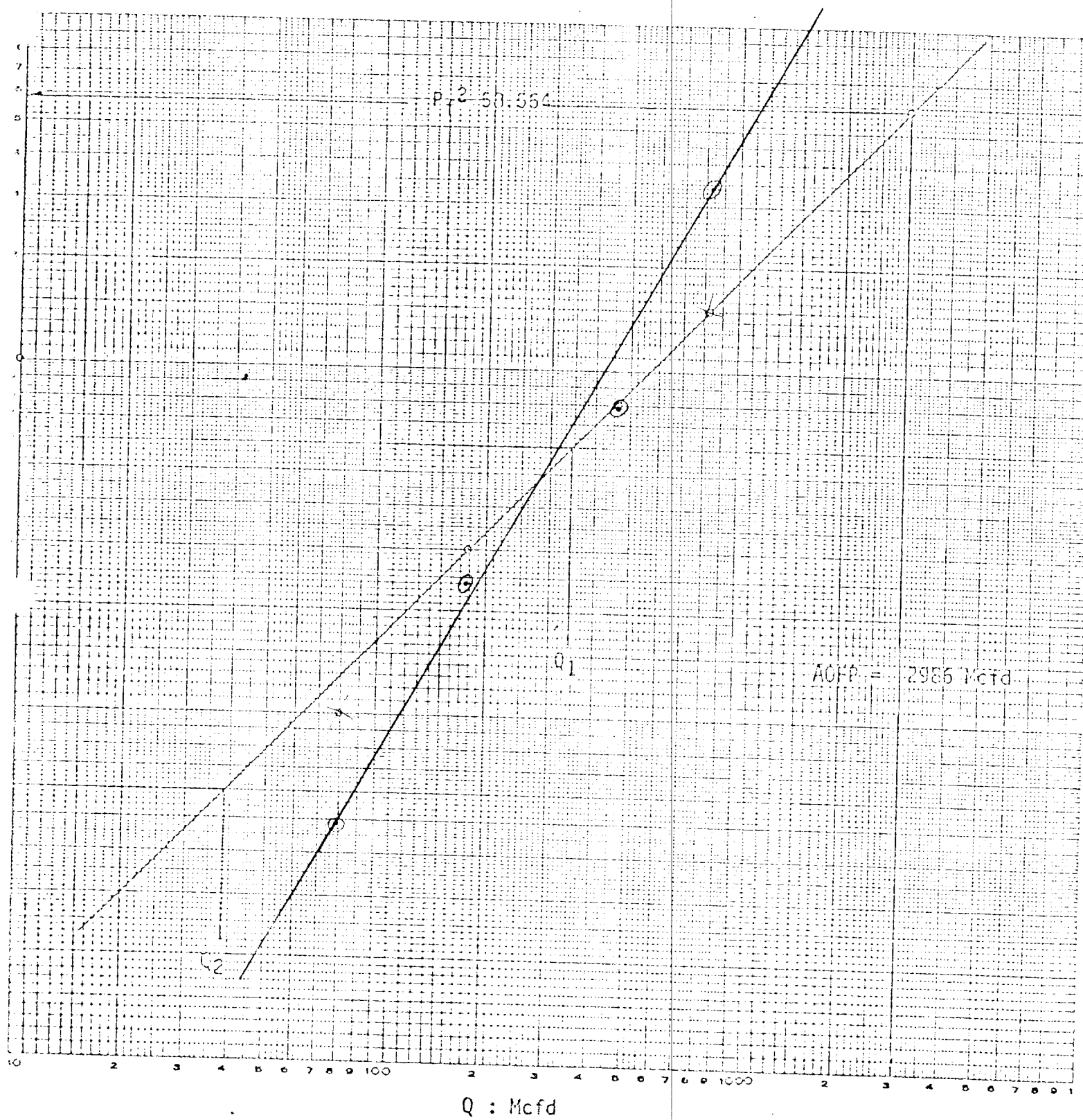


Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-21-75			
Company Shell Oil Company				Connection				
Pool Bisti Area				Formation Pictured Cliffs		Unit		
Completion Date		Total Depth		Plug Back TD		Elevation		
Csg. Size 4.5		Wt. d	Set At	Perforations: From 1112 To 1130		Farm or Lease Name Carson Unit		
Tub. Size 2.375		Wt. d	Set At 1088	Perforations: From To		Well No. 13-11		
Type Well - Single - Horizontal - G.G. or G.O. Multiple Single Gas				Packer Set At 1088		Unit L 11 25 12		
Producing Thru Tubing		Reservoir Temp. °F 82 @ 1110		Mean Annual Temp. °F		County San Juan		
Baro. Press. - P _c 12.0		State New Mexico						
L	H	G _g 0.650	% CO ₂	% N ₂	% H ₂ S	Prover X		
Meter Run Taps								
FLOW DATA								
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F		
SI	6 days							
1.	2	x	1/8	224	231			
2.	2	x	3/16	223	238	63		
3.	2	x	5/16	219	237	66		
4.	2	x	1/2	206	227	68		
5.				142	157	62		
TUBING DATA								
Casing DATA								
Duration of Flow								
RATE OF FLOW CALCULATIONS								
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	static pressure Pressure on critical flow prover P _m psia	Flow/Temp. Factor F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd	
1	0.3418		235	.9971	.9608	1.024	79	
2	0.7851		231	.9943	.9608	1.024	177	
3	2.1577		218	.9924	.9608	1.022	458	
4	5.5233		154	.9924	.9608	1.016	824	
5								
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2					Specific Gravity Separator Gas 0.650 XXXXXXXXXX			
3					Specific Gravity Flowing Fluid XXXXXX			
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
5					Critical Temperature _____ R _____ R			
P _f 242 P _f 2 58,564								
NO.	P _f	P _s	P _s 2	P _f 2 - P _s 2	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.8277$			(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.624164$
1		241	53.081	1.983				
2		237	56.169	3.2.4				
3		225	50.625	8.9.94				
4		208	43.264	15.3.6	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2986.3$			
5								
Absolute Open Flow 2986 (INJECT) Mcfd @ 15.025					Angle of Slope 46° 11'		Slope, n 0.9593	
marks:								
Approved By Commission:								
Conducted By:		Tefteller, Inc.		Calculated By:		N. Tefteller		
Checked By:								

County : San Juan
 State : New Mexico
 Date : October 21, 1975



Q₁ = 346 ; log Q₁ = 2.539076
 = 38 ; log Q₂ = 1.579784
 θ = 46° 11'
 n = 0.959292

Q = 1,000,000
 p₁ - p₂ = 47,000
 Q = 100,000
 p₁ - p₂ = 1620
 n = .684