

MAY 10 1982

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-18-82		O. C. D. ARTESIA, OFFICE	
Company FRED POOL & Open Co.						Connection Air			
Pool Pecos Slope Abo Undesignated						Formation Abo		Unit	
Completion Date 4-18-82		Total Depth 4326 4327		Plug Back TD 4280 4282		Elevation 3902 Gr		Farm or Lease Name Foreman	
Csg. Size 4 1/2	Wt. 10.5	d 4.00	Set At 4326	Perforations: From 3504 To 3766		Well No. 1			
Thq. Size 2 3/8	Wt. 4.7	d 1.99	Set At 3400 3448	Perforations: From To		Unit W K		Sec. Twp. Rge. 18 6S 25E	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single						Packer Set At None		County Chaves	
Producing Thru Tubing		Reservoir Temp. °F 99 @ 3500		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		State New Mexico	
L	H	Gg .626	% CO ₂	% N ₂	% H ₂ S	Prover 2"		Meter Run Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							909	74			
1.	2	X	1.00				873	71			1 Hr
2.	2	X	1.00				830	74			"
3.	2	X	1.00				773	74			"
4.	2	X	1.00				717	78			"
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	316			.999	.979	1.078	333
2	481			.987	.979	1.072	498
3	632			.987	.979	1.069	653
4	740			.983	.979	1.066	759
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1	1.30	559	1.5	.86					671	373
2	1.24	559	1.5	.87						
3	1.15	559	1.5	.875						
4	1.07	559	1.5	.88						
5										

NO.	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1	1075	1025.2	103.9	3.3	2.24
2		986.2	182.4		
3		948.2	255.9		
4		897.2	350		
5					

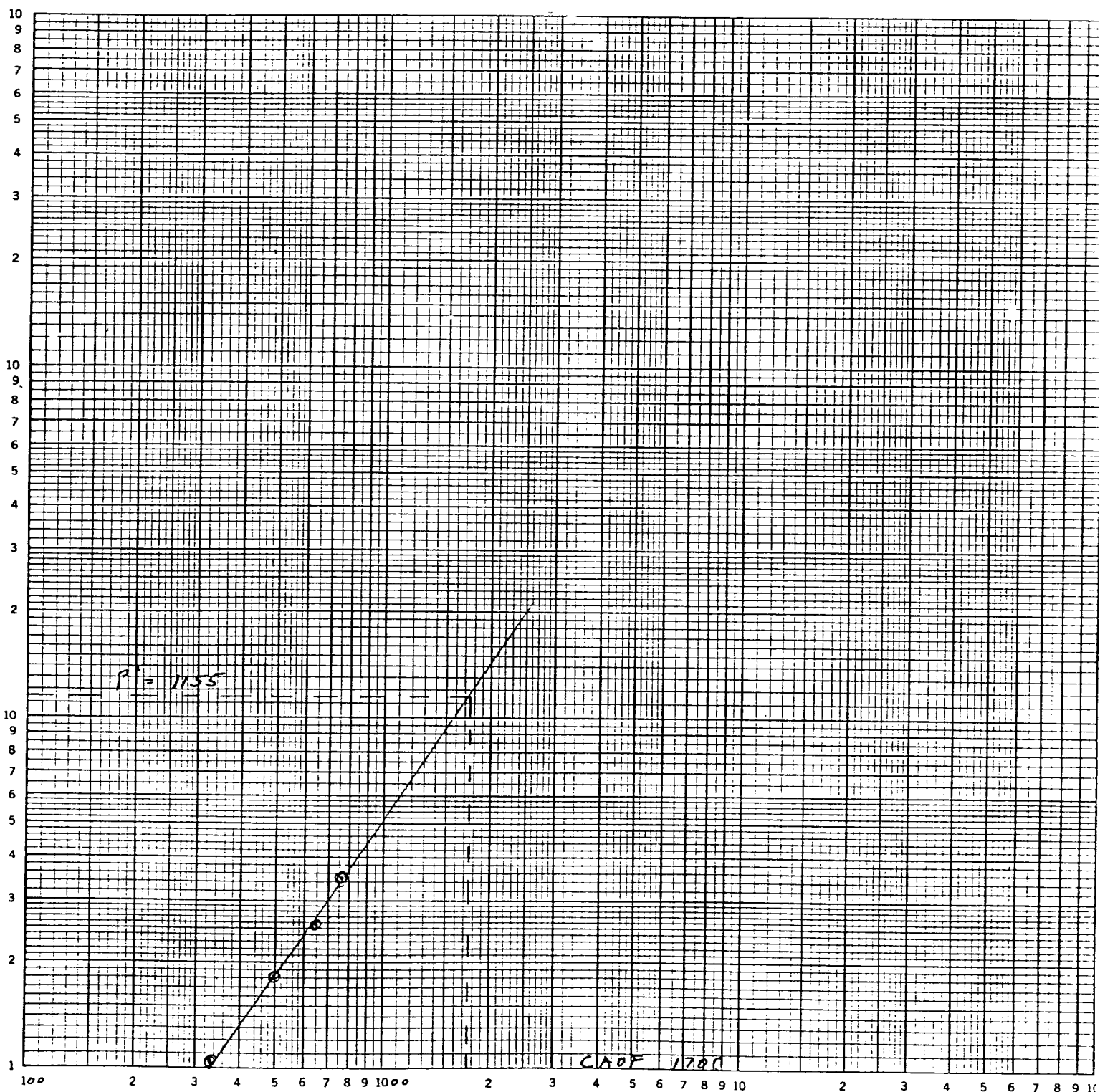
Absolute Open Flow 1700 Mcfd @ 15.625		Angle of Slope 34		Slope, n .675	
Remarks: Bottom hole pressures taken with Amerada Type gauge.					
Approved By: Keltic Services		Conducted By: M. Kelly		Checked By:	

FRED POOL Jr

FORMAN # 1

- $P^2 - P^2 (000's)$ 46 7400

LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.



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MSCFPD