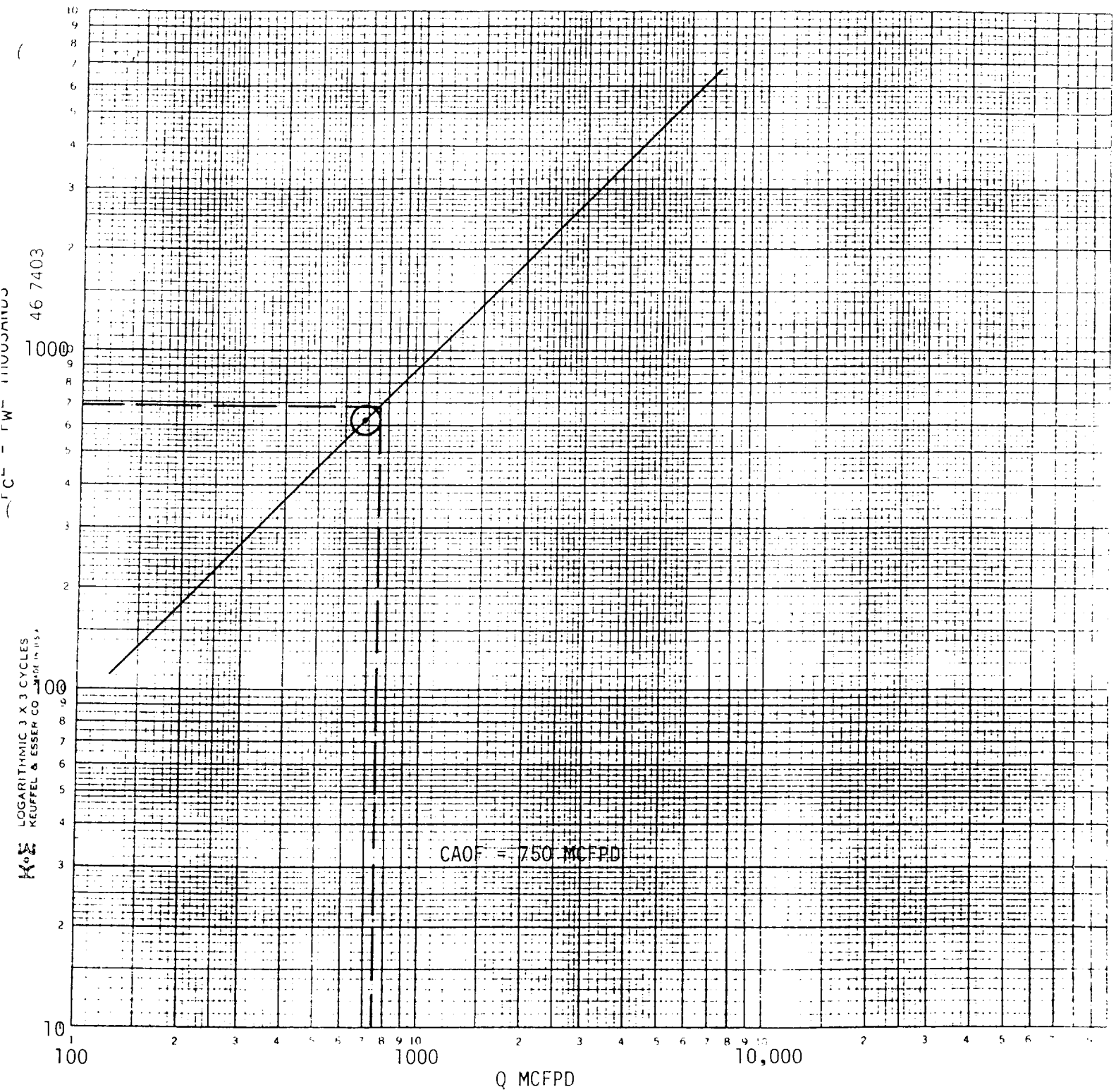


SEP 29 1982

RECEIVED
JUL 20 1982

Type Test ☒ Initial ☐ Annual ☐ O. C. D. ☐ Special		Test Date 7-8-82	
Company MESA PETROLEUM CO. ✓		Connection ARTESIA, OFFICE UNCONNECTED	
Pool UNDESIGNATED ABO		Formation ABO	
Completion Date 7-8-82		Total Depth 3150'	Plug Back TD 2834'
Csg. Size 4 1/2"		Set At 2900'	Perforations: From 2786' To 2791'
Tiq. Size 2 3/8"		Set At 2792'	Perforations: From OPEN ENDED
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE		Packer Set At NONE	County CHAVES
Producing Thru TUBING		Reservoir Temp. °F 95° @ 3150'	Mean Annual Temp. °F 60
Baro. Press. - P _g 13.2		State NEW MEXICO	
L	H	G _g .65	% CO ₂ 1
		% N ₂ 1	% H ₂ S
		Prover 2" CRITICAL FLOW PROVER	
		Meter Run	
		Taps	
FLOW DATA			
NO.	Prover Line Size	Orifice Size	Press. p.s.i.g.
1.	2" x .5"		116
2.			
3.			
4.			
5.			
TUBING DATA			
	Press. p.s.i.g.	Temp. °F	
	805		
	188	84	
CASING DATA			
	Press. p.s.i.g.	Temp. °F	
	820		
	263		
Duration of Flow			
			72 HRS
			1 HR
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_{wm}}$	Pressure P _m
1	4.279	FLOW PROVER	129
2.			
3.			
4.			
5.			
Flow Temp. Factor F _t			
			.9831
Gravity Factor F _g			
			1.24
Super Compress. Factor, F _{pv}			
Rate of Flow Q, Mhd			
			673
Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
Specific Gravity Separator Gas _____ X X X X X X X X			
Specific Gravity Flowing Fluid _____ X X X X X			
Critical Pressure _____ P.S.I.A.			
Critical Temperature _____ R			
$F_c = 833 \quad F_c^2 = 694$			
NO.	F _c ²	F _w ²	F _c ² - F _w ²
1		263	69
2			625
3			
4			
5			
$(1) \frac{F_c^2}{F_c^2 - F_w^2} = 1.1104$			
$(2) \left[\frac{F_c^2}{F_c^2 - F_w^2} \right]^n = 1.1104$			
$ADP = Q \left[\frac{F_c^2}{F_c^2 - F_w^2} \right]^n = 750$			
Posted FD 2 10-1-82 Camp + BK			
Absolute Open Flow 750		Mcf @ 15.025	Angle of Slope θ 45°
			Slope, n 1
Remarks: Unable to run four flow rates due to low delivery of well. Assumed N=1 and based calculations on one point test.			
Approved By Convention:		Conducted By: JAMES CRAIG	Calculated By: 28 7-15-82 E.L. BUTTROSS, JR
		Checked By:	



ASSUMED $N = 1$ AND $\theta = 45^\circ$