

NEW MEXICO OIL CONSERVATION COMMISSION MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 1/15/79	
Company Mobil Oil Corporation		Connection	
Pool Blanco Mesa Verde		Formation Mesa Verde	
Completion Date 12/4/78		Total Depth 6150	Plug Back TD 6100
		Elevation 7025' GL	Lease Name Jicarilla E
Csg. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 6150
Perforations: From 5619 To 5849		Well No. 2-A	
Tbg. Size 2 3/8"	Wt. 4.7	d 1.995	Set At 5850
Perforations: From To		Unit Sec. Twp. Rge. D 14 T27N R3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At NO Packer	County Rio Arriba
Producing Thru TBG	Reservoir Temp. °F 154° 6000	Mean Annual Temp. °F 50°	Buro. Press. - P _a 12.2
State New Mexico			
L	H	Gg	% CO ₂ .770
		% N ₂ .284	% H ₂ S —
Prover .75"		Meter Run 2"	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							892	50°	898	
1.	2" x .75"					88°	264	60°	480	
2.										
3.										
4.										
5.										

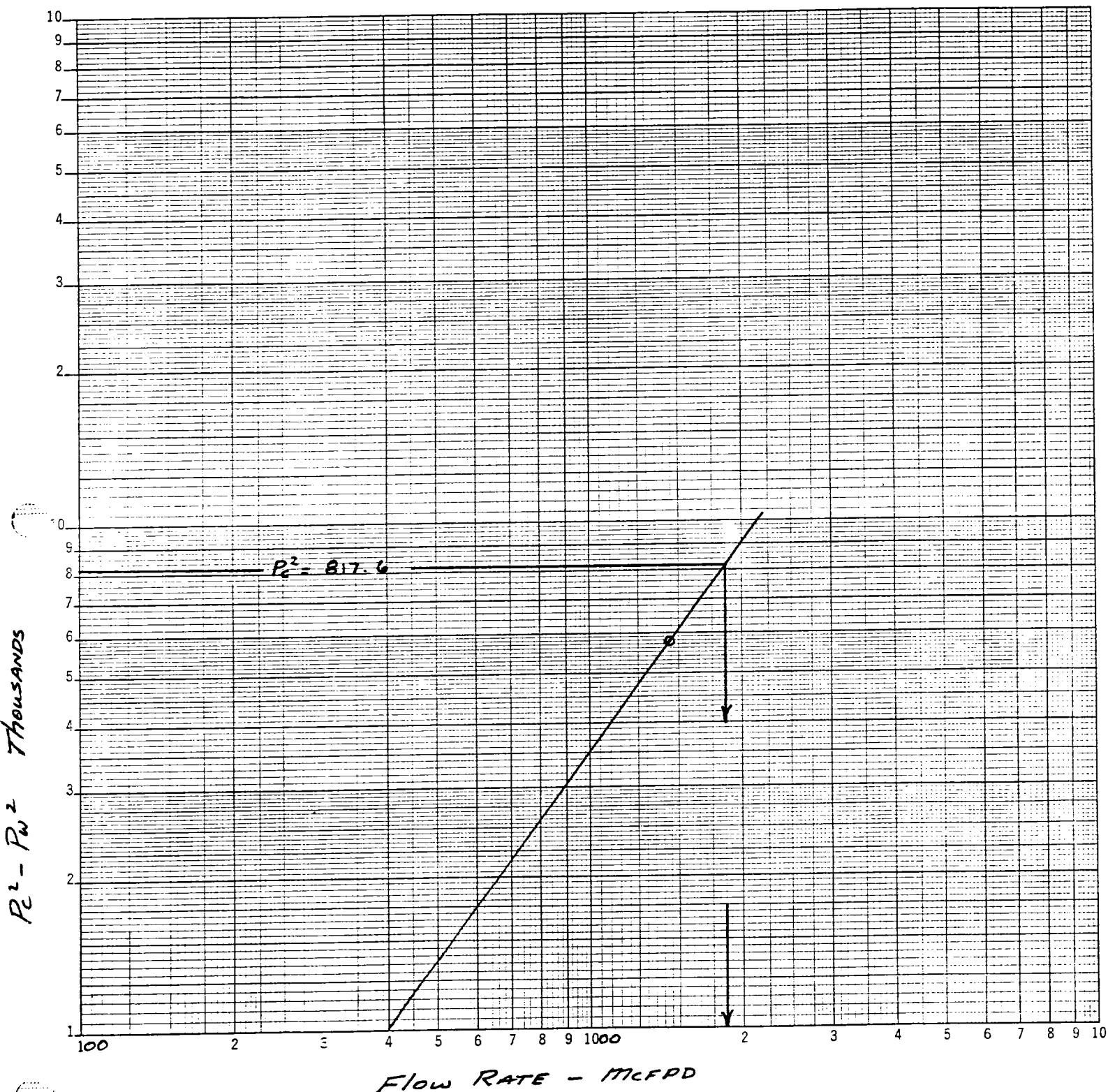
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mhd
1	12.365		127.2	.9741	.9219		1430
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	.1916	548	1.390	.974	A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2					Specific Gravity Separator Gas	XXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.42$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.30$
1	76.29	492.2	242.3	575.3		
2						
3						
4						
5						

Absolute Open Flow		1860	Mhd @ 15.025	Angle of Slope @	53.1	Slope, n	.75
Remarks:							
Approved By Commission:		Conducted By:		Calculated By:		Checked By:	

Mobil Oil Corporation
 Jicarilla E-2A
 Blanco Mesa Verde
 Rio Arriba Co., New Mexico



$P_e^2 - P_w^2 = 575.3$
 $Q = 1430$

AOF = 1860