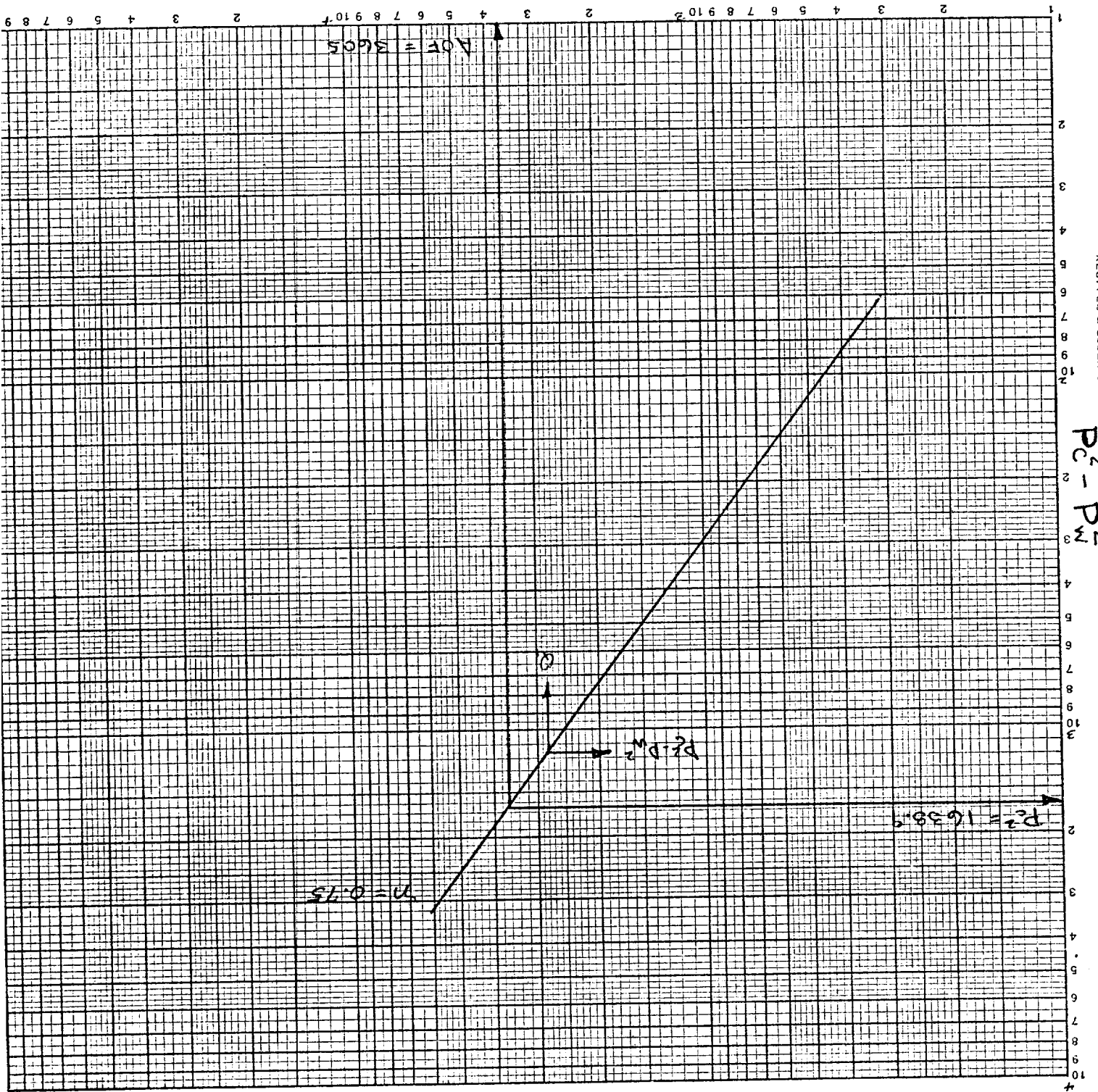


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-13-76	
Company MOBIL OIL CORPORATION					Connection NONE	
Pool BLANCO MESA VERDE					Formation MESA VERDE	
Completion Date 11-9-76		Total Depth 6150		Plug Back TD 6110		Elevation
Casing Size 4 1/2"					Well No. 2-A	
Casing Weight 10.5		Casing ID 4.052		Perforations From 5865 To 5930		Unit Sec. Twp. Rge. D 17 26-N 2-W
Tubing Size 2 3/8"		Tubing Weight 4.7		Tubing ID 1.995		County RIO ARRIBA
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE					Packoff Set At NONE	
Producing Thru TBG		Reservoir Temp. °F 154° @ 6000'		Mean Annual Temp. °F 50°		State NEW MEXICO
L	H	Gg 0.68	% CO ₂ -	% N ₂ -	% H ₂ S -	Prover 2"
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F
1.	2"	X	0.75"			
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 F _g	Super Compress. Factor, F _{pv}
1	12.365		232.2	1.0068	0.9393	1.028
2						
3						
4						
5						
NO.	P _i	Temp. °F	T _f	Z	Gas Liquid Hydrocarbon Ratio 49.8 A.P.L. Gravity of Liquid Hydrocarbons 68 Specific Gravity Separator Gas 0.68 Specific Gravity Flowing Fluid X X X X X Critical Pressure 669 P.S.I.A. Critical Temperature 385 °R	
1	0.3471	513	1.332	0.947		
2						
3						
4						
5						
P _i 1280.2 P _w 11639.9 (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.406$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.291$ AND $Q = \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3605$						
NO.	P _i	P _w	P _w ²	P _c ² - P _w ²		
1		688.2	473.6	1165.3		
2						
3						
4						
5						
Absolute Open Flow 3605					Angle of Slope 53	
Remarks: PRODUCED 7 BO + 1 BW IN 3 HRS.						
Approved By: _____		Conducted By: _____		Calculated By: _____		Checked By: _____

$$P_2^2 - P_3^2$$



C HENRY FEDERAL 2-A
BLANCO MESA VERDE
RIO ARRIBA Co., New Mexico

mm8