

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 11-3-76		Total Depth 6300		Plug Back TD 6293	
Elevation 7500				Farm or Lease Name JICABILLA "G"	
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 6300	Perforations: From 5728 To 6272	
Trg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5693	Perforations: From — To —	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE	
Producing Thru TBG		Reservoir Temp. °F 154° @ 6000		Mean Annual Temp. °F 50°	
Baro. Press. - P _a 12.2		State NEW MEXICO			
L	H	Gg 0.68	% 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							1396	50°	1400	50°	12 DAYS
1.	2" X 0.75"						6246	70°	1000	50°	3 HRS
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}	Rate of Flow O. Mcd
1	12.365		427.2	0.9905	0.9393	1.047	5146
2							
3							
4							
5							

NO.	P _c	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio	Mcf/ool.
1	0.6386	530	1.377	0.912	A.P.I. Gravity of Liquid Hydrocarbons	— Deg.
2					Specific Gravity Separator Gas	XXXXXXX
3					Specific Gravity Flowing Fluid	XXXXX
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1		1012.2	1024.5	958.5
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.069$

ADP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8877$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.725$

Absolute Open Flow	8877	Mcf @ 14.025	Angle of Slope α	53.1°	Slope n	0.75
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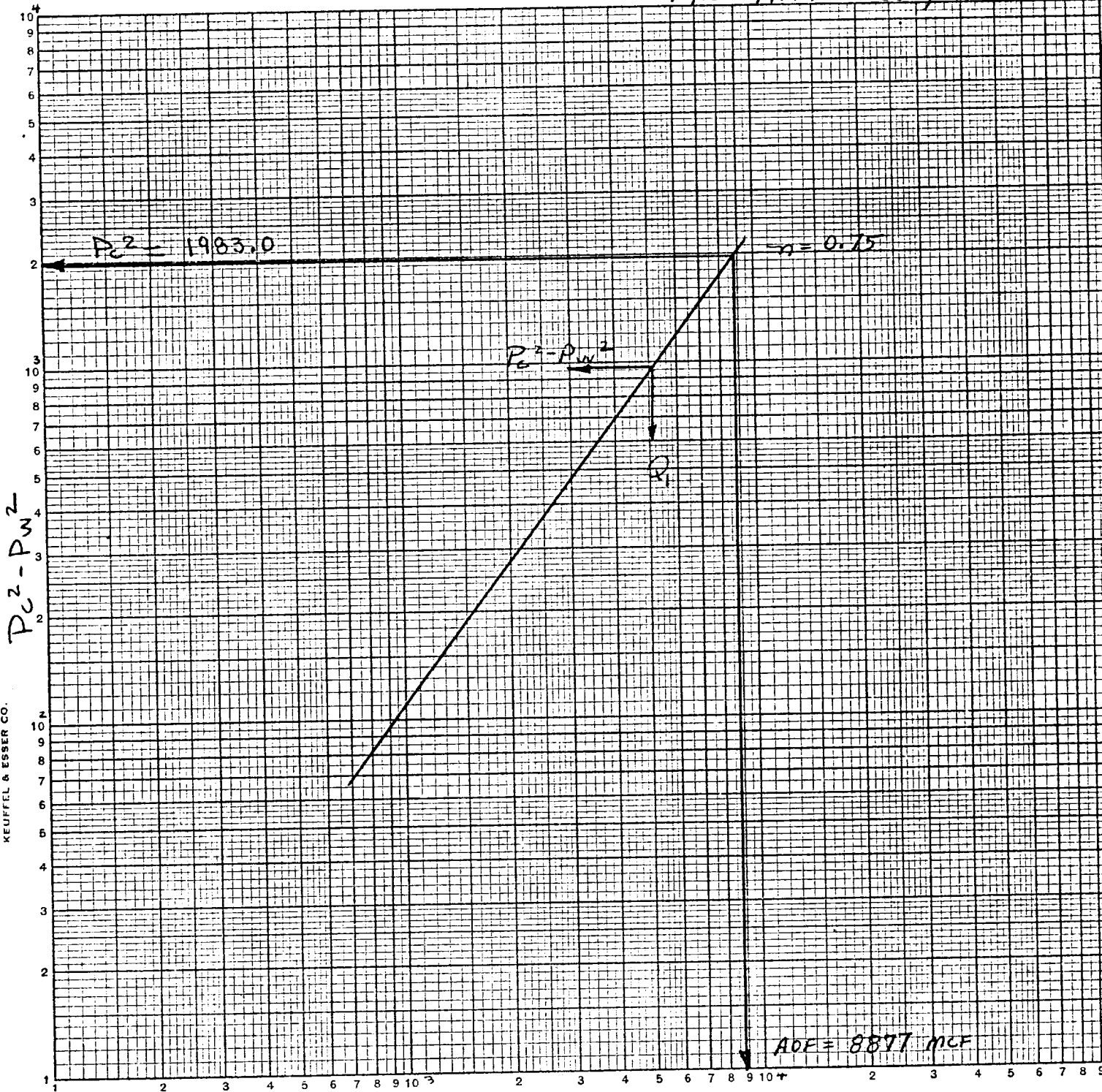
Remarks: PRODUCED 3 BO + 2 BW IN 3 HOURS

Approved By Consultant	Conducted By	Calculated By	Checked By
	MAA D	MAY R	MAY R

JICARILLA "G" 8-A
 BLANCO MESA VERDE
 RIO ARRIBA CO., NEW MEXICO

LOGARITHMIC
 3 X 3 CYCLES
 KEUFFEL & ESSER CO.

46 7403
 MADE IN U.S.A.



FLOW RATE - MCFGPD