

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 10-6-70	
Company PAN AMERICAN PETROLEUM CORP.				Connection None			
Pool South Blanco				Formation Pictured Cliffs		Unit	
Completion Date 9-18-70		Total Depth 7446		Plug Back TD 7411		Elevation / RDB GL 6672/6686	
Farm or Lease Name Jicarilla Contract 146							
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7446	Perforations: From 2950 To 2980		Well No. 22	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7056	Perforations: From Open End To 7056		Unit A Sec. 10 Twp. 25 Rge. 5	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas				Packer Set At 7056		County Bio Arriba	
Producing Thru Casing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.	
State New Mexico							
L 2965	H 2965	G _g .650 Est.	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run Taps

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Line Size X Choke	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	18 Days 2 Inch .750	85					668	60° Est.	3 Hr.
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 Q, Mcfd
1	12.3650		97	1.000	.9608	1.000	1152
2							
3							
4							
5							

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

P _c 680	P _c ² 462,400	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0263$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0223$
NO.	P _r ²	P _w	P _w ²
1	9409	109	11837
2			
3			
4			
5			

Absolute Open Flow 1178 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .85
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Remarks: **P_w calculated same as on Form C-122-A - (1 - e^{-s}) = 0.130**

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: J. J. Layton	Checked By: D. A. Wayhan
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