

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 10-9-69				
Company PAN AMERICAN PETROLEUM CORP.				Connection None					
Pool Basin				Formation Dakota				Unit	
Completion Date 10-2-69		Total Depth 7494		Plug Back TD 7459		Elevation / RDB GL 6618/6632		Farm or Lease Name Jicarilla Contract 146	
Csg. Size 4.500	Wt. 4.7	d 1.995	Set At 7271	Perforations: From 7109 To 7338		Well No. 19			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7271	Perforations: From Open End To		Unit Sec. Twp. Rge. A 4 25 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 90 @ Td		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA Est.		State New Mexico	
L 7223	H 7223	Gg .700	% 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.	
SI	7 Days					2404		2365	
1.	2 Inch	.750	170			170	60° Est.	522	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 F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		182	1.000	.9258	1.021	2127
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 _____ X X X X X
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P_c 2404 P_c^2 5,779,216					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0319$		$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0387$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²				
1		534	285,156	5494060				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2209$				
Absolute Open Flow 2209 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75				
Remarks: _____				
Approved By Commission: _____ Conducted By: B. D. Dukas Calculated By: _____ Checked By: J. J. Layton				