

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

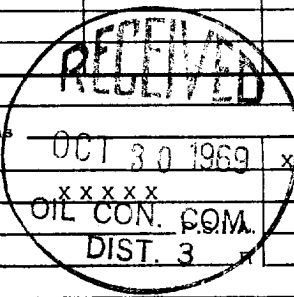
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 10-15-69	
Company PAN AMERICAN PETROLEUM CORP.				Connection None		
Pool Basin				Formation Dakota		Unit
Completion Date 10-8-69		Total Depth 7878		Plug Back TD 7843		Elevation 6869 KB
Farm or Lease Name Jicarilla Apache Tribal						
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 7878	Perforations: From 7556-61 To 7678-85	122	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7572	Perforations: From Open Ended To	Well No. 1	
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 Est.		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L 7645	H	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	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	7 Days					2294		2296		
1.	2 Inch	.750	86			86	60°	494	60°	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 F _t	Gravity Factor F _g	Super Compress. Factor F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		98	1.000	.9258	1.000	1122
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R



P _c 2308	P _c ² 5,326,864	
NO.	P _t ²	P _w ²
1	506	256,036
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0505$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0376$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1164$$

Absolute Open Flow 1164 Mcfd @ 15.025	Angle of Slope ϕ	Slope, n .75
Remarks:		
Original Signed By: B. D. DUKES		
Approved By Commission:	Conducted By: B. D. DUKES	Checked By: J. I. Layton