

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

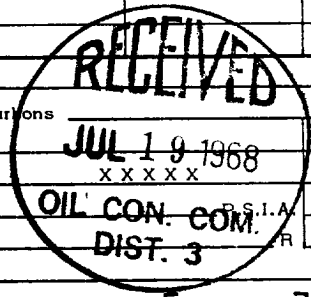
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-1-68	
Company PAN AMERICAN PETROLEUM CORP.			Connection None		
Pool Undesignated			Formation Callup		Unit
Completion Date 6-9-68		Total Depth 8416		Plug Back TD 8373	Elevation RDB CL 7232/ 7244
Farm or Lease Name Jicarilla Apache 102					
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8416	Perforations: From 7718 To 7730	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 8323	Perforations: From 7718 To 7730	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - G.G.				Packer Set At 8080	
Producing Thru Tubing		Reservoir Temp. °F 90° est. TD		Mean Annual Temp. °F Est. 60°	
				Baro. Press. - P _a 12 psia est.	
County Rio Arriba					
State New Mexico					
L 7724	H 7724	Gg .70 est.	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	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	2 Inch	.750	34	1300	1304	537	60°	3 Hrs.
1.									
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		46	1.000	.9258	1.012	533
2.							
3.							
4.							
5.							

NO.	P _t	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 1316	P _c ² 1,731,856		
NO.	P _t ²	P _w	P _w ²
1		549	301,401
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,731,856}{1,430,455}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1541$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 615$$

Absolute Open Flow 615	Mcf/d @ 15.025	Angle of Slope ϕ	Slope, n .75
-------------------------------	----------------	-----------------------	---------------------

Remarks:

Approved By Commission:	Conducted By: B. D. Dukas	Calculated By: Original Signed By: G. W. EATON, JR.	Checked By: R. S. Lodoen
-------------------------	-------------------------------------	--	------------------------------------