

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

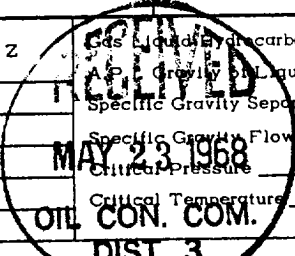
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-9-68	
Company PAN AMERICAN PETROLEUM CORP.				Connection		
Pool Undesignated				Formation Mesa Verde		Unit
Completion Date 5-2-68		Total Depth 5070		Plug Back TD 4879		Elevation / EDB 5278 / 5287
Farm or Lease Name Navajo Tribal "H"						Well No. 5
Csg. Size 4-1/2"	Wt. 9.5	d 4.090	Set At 5067	Perforations: From 3355 To 3365		Unit Sec. Twp. Rge. H 13 29 14
Tbg. Size 2-3/8"	Wt. 4.7	d 1.995	Set At 3325	Perforations: From 4979 To 4986		
Type Well - Single - Bradenhead - G.G. or G.C. Multiple Single				Packer Set At		County San Juan
Producing Thru Casing		Reservoir Temp. °F 90 @ TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L 3360	H 3360	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	Choke 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	8 Days					1307		1199		
1.	2"	.750	443			698		443	60° est.	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 Q, Mcfd
1	12.3650		455	1.000	0.9608	1.047	5659
2.							
3.							
4.							
5.							

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



P _c 1211	P _c ² 1,466,521	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \frac{1,466,521}{962,421}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.3714$
NO.	P _t ²	P _w	R _w ²	P _c ² - R _w ²		
1						
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 7761$

Absolute Open Flow 7761	Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Original Signed By: _____			
Approved By Commission:	Conducted By: B. D. Dukes	Calculated By: G. W. Eaton, Jr.	Checked By: E. R. Hirst