

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

Form C-122
Revised 9-1-65

RECEIVED

FEB 2 1968

**OIL CON. COM.
DIST. 3**

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 1-30-68							
Company PAN AMERICAN PETROLEUM CORP.				Connection none							
Pool Blanco				Formation Pictured Cliffs							
Completion Date 1-23-68		Total Depth 2560		Plug Back TD 2527							
				Elevation / RDB GL 5911 / 5921							
Farm or Lease Name Lenis A. Shane USA											
Csg. Size 4-1/2	Wt. 10.5	d 4.052	Set At 2559	Perforations: 2444 To 2453 From 2475 To 2488							
Tbg. Size 1-1/4	Wt. 2.30	d 1.380	Set At 2470	Perforations: Open Ended.							
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None							
Producing Thru Casing		Reservoir Temp. °F 90° @ TB		Mean Annual Temp. °F Est. 60°							
				Baro. Press. - P _a 12 PSIA (est.)							
L 2466	H 2466	Gg .650 est.	% CO ₂	% N ₂	% H ₂ S						
				Prover							
				Meter Run							
				Taps							
FLOW DATA			TUBING DATA		CASING DATA						
NO.	LINE SIZE	X	CHOKE SIZE	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Duration of Flow
SI	7 Days						883		883		
1.	2 Inch		.750	155			108		155	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		167	1.0000	0.9608	1.016	2016				
2.											
3.											
4.											
5.											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas _____ X X X X X X X X Specific Gravity Flowing Fluid _____ X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature _____ R _____ R						
1											
2.											
3.											
4.											
5.											
P _c	895	P _c ²	801,025								
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²							
1		167	27,889	773,136							
2											
3											
4											
5											
					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{801,025}{773,136}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0306$ ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2078$						
Absolute Open Flow 2078 Mcfd @ 15.025					Angle of Slope θ _____			Slope, n .85			
Remarks: _____											
Approved By Commission:				Conducted By: B. D. Dukes				Calculated By:			
								Checked By: E. R. Hirst			