

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Basin Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 4-6-66	
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Callegos Canyon Unit		Well No. 223	
North N	Sec. 9	Twp. 28N	Range 12W	Purchaser			
Flowing 4.500	Wt. 10.5	I.D. 4.052	Set at 6061	Perf. 5866-81	To 5940-49 5954-62		
Flowing 2.375	Wt. 4.7	I.D. 1.995	Set at 5896	Perf. 5832	To 5838		
From 5866	To 5962	L 5914	G .700	GL 4140	Bar. Press. 12		
Casing X		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 3-27-66		Packer None		Reservoir Temp.			

OBSERVED DATA										
Tester Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
Flow	(Prover Rate) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	10 Days					2079		2080		
2.	2 Inch	.750	254			254	60° est.	828	60° est.	3 Hr.
3.										
4.										
5.										
6.										

FLOW CALCULATIONS							
Flow	Coefficient (24 Hour)	$\sqrt{h_w \cdot P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P.D. @ 15,025 psia
1.	12.3650		266	1.0000	.9258	1.031	3139
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS									
Gas-Liquid Hydrocarbon Ratio _____ cf/tbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
P _{sc} _____ (1-e ^{-S}) _____					P _c 2092 P _c ² 4,376,464				
Flow	P _w psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P _w P _c
1.						705,600	3,670,864		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3581** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED **None**

ADDRESS **Box 480, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **G. W. Eaton, Jr., Area Engineer**

