

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

Form C-122
Revised 12-1-55

Basin Basin				Formation Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 5-6-66					
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Gallegos Canyon Unit				Well No. 222			
North N		Sec. 7		Twp. 28N		Range 12W		Purchaser			
Length 4.500		Wt. 10.5		I.D. 4.052		Set at 6104		Perf. 5933-47		To 6016-36 6050-58	
Timing 2.000		Wt. 3.4		I.D. 1.670		Set at 5942		Perf. 5911		To 5917	
From 5933		To 6058		L 5996		G .700		GL 4197		Bar. Press. 12	
Producing Through:		Casing		Tubing X		Type Well — Single — Braden head — G.G. or G.O. Dual Single					
Date of Completion 4-29-66		Packer None				Reservoir Temp.					
OBSERVED DATA											
Produced Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
1.	7 Day 2 Inch	(Choke) Size .750	Press. psig. 494	Diff. h _w	Temp. °F.	Press. psig. 2087	Temp. °F. 60° est	Press. psig. 2089	Temp. °F. 60° est	3 Hr.	
2.											
3.											
4.											
5.											
FLOW CALCULATIONS											
1.	Coefficient (24 Hour) 12.3650	$\sqrt{h_w F_f}$	Pressure psia 506	Flow Temp. Factor F_t 1.000	Gravity Factor F_g .9258	Compress. Factor F_{pv} 1.064	Rate of Flow Q-MCF P.D. @ 15,025 psia 6164				
2.											
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.						Specific Gravity Separator Gas _____					
Gravity of Liquid Hydrocarbons _____ deg.						Specific Gravity Flowing Fluid _____					
$P = \frac{P_c}{1 - e^{-S}}$						$P_c = 2101 \quad P_c^2 = 4,414,201$					
1.	$\frac{P_w}{P_t}$ 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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$		
2.						2,408,704	2,005,497				
3.											
4.											
5.											

ABSOLUTE POTENTIAL: **11,139** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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

