

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

Form C-122
Revised 12-1-55

Pool Basin			Formation Dakota			County San Juan		
Initial X		Annual		Special		Date of Test 12-17-65		
Company PAN AMERICAN PETROLEUM CORP.				Lease Gallegos Canyon Unit			Well No. 196	
Unit M	Sec. 19	Twp. 28-N	Range 12-W		Purchaser			
Casing 4-1/2"	Wt. 10.50	I.D. 4.052	Set at 6331'		Perf. 6166-6186'	To 6225-6245'		
Tubing 2-3/8"	Wt. 4.76	I.D. 1.995	Set at 6169'		Perf. 6132'	To 6138'		
Gas Pay:	From 6155'	To 6245'	L 6200'	G .700	GL 4340'	Bar. Press. 12		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 12-10-65		Packer None			Reservoir Temp.			

OBSERVED DATA

Tested Through:						Prover ☐		Choke ☒		Meter ☐		Type of Taps	
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.			
No.	(Prover) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.				
SI	7 days					2018		2018					
1.	2 inch	.750	741			741	60° Est.	1591	60° Est.	3 hour			
2.													
3.													
4.													
5.													

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
1.	12.3490		753	1.0000	.9254	1.101	9491
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 _____
 F_c _____ (1-e^{-S}) _____ P_c **2030** P_c² **4,120,900**

No.	$\frac{P_w}{P_t}$ 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 P _w	$\frac{P}{P_c}$
1.						2,549,609	1,551,291		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **19,740** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **P. O. Box 480, Farmington, New Mexico** COMPANY _____

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

G. W. Eaton, Jr., Area Engineer

