

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		Date of Test 1-13-66	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Gallegos Canyon Unit		Well No. 209	
Unit K	Sec. 15	Twp. 28-N	Range 12-W	Purchaser	
Casing 4-1/2"	Wt. 10.5	I.D. 4.052	Set at 6147	Perf. 5956-66	To 6024-36 6042-58
Tubing 2-3/8"	Wt. 4.7	I.D. 1.995	Set at 5945	Perf. 5908	To 5914
Gas Pay:	From 5956	To 6058	L 6007	G .700	GL 4205 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dual Single	
Date of Completion 1-6-66		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.	Line (Line) Size	Choke (Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
SI	7 days					2041		2048	
1.	2 "	.750	626			626	60° est.	1477	60° est. 3 hr.
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.	12.3650		638	1.000	.9258	1.082	7903
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 **2060** P_c² **4,243,600**

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	$\frac{P_w}{P_c}$
1.						2,217,121	2,026,479		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **13,757** 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**

