

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 3-30-66	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Gallegos Canyon Unit		Well No. 221	
Unit G	Sec. 31	Twp. 29N	Range 12W	Purchaser	
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6193	Perf. 6044-53 6013-28	To 6132-42 6098-6118
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6019	Perf. 5982	To 5988
Gas Pay:	From 6013	To 6142	L 6078	G .700	GL 4255 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dual Single	
Date of Completion 3-22-66		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.	Prover (Line) Size	Choke (Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	8 Days					2056		2056		
1.	2 Inch	.750	548			548	60° est.	1122	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		560	1.000	.9258	1.073	6878
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 **2068** P_c² **4,276,624**

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	Gal P _w	$\frac{P_w}{P_c}$
1.						1,285,956	2,990,668		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **8994** 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**

