

**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 Santa Juan		
Initial IX		Annual		Special		Date of Test 12-22-65		
Company PAN AMERICAN PETROLEUM CORP.			Lease C. A. McAdams "B"			Well No. 1		
Unit K	Sec. 20	Twp. 27-N	Range 10-W		Purchaser			
Casing 4-1/2"	Wt. 10.34	I.D. 4.052"	Set at 6311'		Perf. 6154-62' 6124-32'	To 6212-6232'		
Tubing 2-3/8"	Wt. 4.76	I.D. 1.993"	Set at 6142'		Perf. 6105'	To 6111'		
Gas Pay:	From 6154'	To 6232'	L 6193'	G .700	GL 4333'	Bar. Press. 12		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 12-14-65		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.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.
SI	8 days					1921		1988		
1.	2 inch	.750	311			311	60° ext	731	60° ext	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.	12.3650		323	1.0000	.9258	1.039	3842
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 2000 P _c ² 4,000,000				
No.	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	P _w P _c
1.						352,049	3,447,951		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4295** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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



