

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 6-16-66		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Callegos Canyon Unit			Well No. 234	
Unit A	Sec. 14	Twp. 28N	Range 13W		Purchaser El Paso Natural Gas Co. (when connected)			
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6183		Perf. 6002-6011 5986-5992		To 6061-6081	
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 5974		Perf. 5937		To 5943	
Gas Pay:	From 5986	To 6081	L 6034	G .700	GL 4224	Bar. Press. 12		
Producing Through:			Casing		Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 6-9-66		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.	Temp. °F.	
SI	7 Days					1617		1617		
1.	2 Inch		191			191	60° est.	722	60° est.	3 Hr.
2.										
3.										
4.	Well tested after 4 days - due to possibility of well logging off with fluid.									
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		203	1.0000	.9258	1.023	2377
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 1729 P _c ² 2,989,441				
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.						538,756	2,450,685		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2759** 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**

