

File

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 6-1-66	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Callages Canyon Unit		Well No. 233	
Unit M	Sec. 27	Twp. 28N	Range 12W	Purchaser El Paso Natural Gas Co. (when connect'd)	
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6156	Perf. 5976-5987 5995-6003	To 6038-6060 6076-6083
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 5983	Perf. Open	To Ended
Gas Pay:	From 5976	To 6083	L 6030	G .700	GL 4221 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dual Single	
Date of Completion 5-23-66		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	9 Days					1815		1751					
1.	2 Inch	.750	259			259	60° est.	608	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		271	1.0000	.9258	1.032	3201
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbon _____ deg. Specific Gravity Flowing Fluid _____
 P_c _____ P_c^2 **1827** P_c^2 **3,337,929**

No.	P_w P_t psia	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Gal P_w	$\frac{P_w}{P_c}$
1.				384,400	2,953,529		
2.							
3.							
4.							
5.							

ABSOLUTE POTENTIAL: **3508** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

ORIGINAL SIGNED BY

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