

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 XX		Annual		Special		Date of Test November 1, 1965			
Company PAN AMERICAN PETROLEUM CORP.			Lease GALLEGOS CANYON UNIT			Well No. 198			
Unit N	Sec. 20	Twp. 28-N	Range 12-W		Purchaser El Paso Natural Gas Company				
Casing 4-1/2"	Wt. 10.5#	I.D. 4.052"	Set at 6054'		Perf. 5884-98'		To 5910-24'		
Tubing 2-3/8"	Wt. 4.7#	I.D. 1.995	Set at 5940'		Perf. Open		To Ended		
Gas Pay: From 5884'		To 5924'		L 5904'		G .700		GL 4133'	
						Bar. Press. 12			
Producing Through:		Casing		Tubing XX		Type Well — Single — Braden head — G.G. or G.O. Dual Single			
Date of Completion October 24, 1965		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.	
SI	8 days					1971		1969	
1.	2 inches	.750	251			251	60° Est	604	60° Est
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		263	1.0000	.9258	1.031	3104		
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 1981 P_c^2 3,924,361				
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 $\frac{P_w}{P_t}$	
1.						379,456	3,544,905	RECEIVED	
2.								NOV 15 1965	
3.								OIL CON. COM.	
4.								DIST. 3	
5.									

ABSOLUTE POTENTIAL: **3350** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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