

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Undesignated			Formation Fruitland			County San Juan		
Initial X		Annual		Special		Date of Test 6-22-66		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Gallegos Canyon Unit			Well No. 220	
Unit I	Sec. 13	Twp. 28N	Range 12W		Purchaser El Paso Natural Gas Co. (connected) when			
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 1332		Perf. 1242	To 1252		
Tubing 1.660	Wt. 2.3	I.D. 1.380	Set at 1248		Perf. Open	To Ended		
Gas Pay:	From 1242	To 1252	L 1247	G .650 est.	GL 810	Bar. Press. 12		
Producing Through:		Casing X	Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 6-14-66		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) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	8 Days 2 Inch	.750	357			549		549		3 Hr.
2.						366	60° est.	357	60° est.	
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		369	1.0000	.9608	1.038	4551
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 **561** P_c² **314,721**

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.						142,884	171,837		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **7612** MCFPD; n **.85**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED **None**

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

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

G. W. Eaton, Jr., Area Engineer

