

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

Form C-122
Revised 12-1-55

Basin X		Formation Dakota		County San Juan	
Initial X		Annual		Date of Test 2-15-66	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Gallegos Canyon Unit		Well No. 216	
Unit N	Sec. 14	Twp. 28N	Range 12W	Purchaser	
tubing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6292	Perf. 6104-13 6174-6202	To 6118-22 6209-18
tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6184	Perf. 6147	To 6153
Gas Pay:	From 6104	To 6218	L 6161	G .700	GL 4313
				Bar. Press. 12	
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 2-6-66		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) (Line) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
1.	9 Days					2046		2046	
1.	2 Inch		796			796	60° est.	1616	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		808	1.000	.9258	1.110	10,268
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 = _____ (1-e^{-S}) P_c **2058** P_c² **4,235,364**

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.						2,650,384	1,584,980		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **21,460** 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** _____

RECEIVED

FEB 24 1966

OIL CON. COM.