

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 6-29-65		
Company PAN AMERICAN PETROLEUM CORP.		Lease Valencia Gas Unit "B"		Well No. 1	
Unit F	Sec. 18	Twp. 29N	Range 9W	Purchaser	
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6390	Perf. 6480-76 6482-6488	To 6474-86 / 6480 6570-78 / 6304
Tubing 2	Wt. 3.4	I.D. 1.751	Set at 6419	Perf. 6309	To 6404
Gas Pay:	From 6482	To 6578	L 6400	G .700	GL .4543 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well — Single — Braden head — G.G. or G.O. Dual Single	
Date of Completion 6-21-65		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	(Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	8 Days					2879		2879		
1.	1 Inch	.750	388			388	60° est.	1377	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 P D @ 15.025 psia
1.	12.3630		400	1.000	.9238	1.030	4000
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 **2891** P_c² **4,372,281**

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.						1,334,921	1,047,300		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **9174** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **Box 400, Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **F. L. Nabors, District Engineer** By _____

ORIGINAL SIGNED BY
F. W. Foell

