

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

Form C-122
Revised 12-1-55

Pool Undesignated			Formation Callup			County Rio Arriba		
Initial I		Annual		Special		Date of Test 10-20-67		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Jicarilla Apache 102			Well No. 10	
Unit D	Sec. 4	Twp. 26-N	Range 4-W		Purchaser El Paso Natural Gas Co. (when comatd)			
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 8375		Perf. 7664		To 7678	
Tubing 1.315	Wt. 1.7	I.D. 1.049	Set at 7655		Perf. Open		To Ended	
Gas Pay:		From 7664	To 7678	L 7671	G .700 est.	GL 5370	Bar. Press. 12	
Producing Through:		Casing	Tubing I			Type Well - Single - Braden head - G.G. or G.O. Dual G. G. Dual		
Date of Completion 9-29-67		Packer 8014'			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.	Temp. °F.	
SI	21 days					1188		1201		
1.	2-inch	.750	34			34	60° est.	783	60° est.	3 Hrs.
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		46	1.0000	.9258	1.0070	531
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio **Dry Gas** cf/bbl. Specific Gravity Separator Gas **.700 (est.)**
 Gravity of Liquid Hydrocarbons **-** deg. Specific Gravity Flowing Fluid **Dry Gas**
 F_c **-** (1-e^{-S}) **-** P_c **1213** P_c² **1,471,369**

No.	P _w	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	P _w /P _c
1.	795					632,025	839,344		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **809** MCFPD; n **.75**

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

ADDRESS **501 Airport Dr., Farmington, N. Mex.**

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

