

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

Form C-122

Revised 12-1-55

Pool Socia			Formation Socia			County San Juan		
Initial 1		Annual		Special		Date of Test June 9, 1945		
Company Pan American Petroleum Corporation				Lease Likins Gas Unit "A"			Well No. 3	
Unit 1	Sec. 34	Twp. 30-N	Range 9-W		Purchaser			
Casing 4-1/2"	Wt. 10.36	I.D. 4.002	Set at 6942'		Perf. 6742-66'		To 6830-74'	
Tubing 2-3/8"	Wt. 4.70	I.D. 1.995	Set at 6734'		Perf. 6627'		To 6723'	
Gas Pay:	From 6742'	To 6874'	L 6895'	G .700	GL 4714	Bar. Press. 12		
Producing Through:			Casing 1	Tubing 1	Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion May 26, 1945		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.	14 days					1836		1836					
1.	2"		223			223	64° Sat.	627	64° Sat.	3 hour			
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.	12.3600		215	1.000	.9250	1.005	3323
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_e _____ (1-e^{-S}) _____ P_c **1846** P_c² **3,407,716**

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.						400,321	2,999,395		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2776** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

ADDRESS **P. O. Box 400, Farmington, New Mexico** COMPANY _____

Fred L. Schere, District Engineer

AGENT AND TITLE **By: ORIGINAL SIGNED BY**
F. W. Foell

