

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

Form C-122
Revised 12-1-55

Pool Basin-Bakota		Formation Dakota		County San Juan	
Initial X	Annual	Special	Date of Test 3-16-65		
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Farnsworth Gas Unit "B"		Well No. 1	
Unit 0	Sec. 8	Twp. 30N	Range 13W	Purchaser	
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6140	Perf. 3961/63	To 6022/34 6034/42
Tubing 2-3/8	Wt. 4.7	I.D. 1.993	Set at 3963	Perf. 3927	To 5933
Gas Pay: From 3961 To 6042		L 6002 G .700		GL 4201	Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 3-9-65		Packer None		Reservoir Temp.	

OBSERVED DATA										Type of Taps
Tested Through: Prover ☐ Choke ☒ Meter ☐										
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	7 Days					1848		1866		
1.	2 Inch	.750	222			222	60° est.	798	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 PD @ 15,025 psia
1.	12.3450		234	1.0000	.9258	1.027	2,750
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 **1800** P_c^2 **3,240,000**

No.	P_w 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.						656,100	2,878,300		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3,200** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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

By **F. W. Roell** ORIGINAL SIGNED BY

