

**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 9-28-65		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Brannon Federal			Well No. 2	
Unit D	Sec. 29	Twp. 25N	Range 9W		Purchaser			
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6495		Perf. 6372-90	To 6400-6410		
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6391		Perf. Open	To Ended		
Gas Pay:	From 6372	To 6410	L 6391	G .700	GL 4474	Bar. Press. 12		
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 9-21-65		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.	(Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		
SI	7 Day					1787		1785		
1.	2 Inch	.750	234			234	60° est.	642	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.	12.3650		246	1.000	.9258	1.031	2903
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 1799 P _c ² 3,236,401				

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.						427,716	2,808,685		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3,229** 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** Original Signed By: **G. W. EATON, JR.**

