

**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 6-1-66				
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Gallegos Canyon Unit			Well No. 241			
Unit E	Sec. 29	Twp. 28N	Range 12W		Purchaser El Paso Natural Gas Co. (when connected)					
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6076		Perf. 5868-74 5892-98 5928-34	To 5951-57 5988-18 6000-6015				
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 5887		Perf. 5830	To 5856				
Gas Pay:		From 5868	To 6015	L 5942	G .700	GL 4159	Bar. Press. 12			
Producing Through:		Casing	Tubing X			Type Well - Single - Braden head - G.G. or G.O. Dual Single				
Date of Completion 5-22-66		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.	XXXXXX (Line) Size	(Choke) XXXXXX Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	10 days					2042		2042		
1.	2 Inch	.750	354			354	60° est.	779	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		366	1.0000	.9258	1.044	4374			
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 2054 P _c ² 4,218,916					
No.	$\frac{P}{P_t}$	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	$\frac{P}{P_c} \frac{w}{P_c}$		
1.					625,681	3,593,235				
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **4933** MCFPD; n **.75**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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