

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		Date of Test 5-16-66	
Company PAN AMERICAN PETROLEUM CORP.		Lease Callegos Canyon Unit - Dakota		Well No. 245	
Unit E	Sec. 36	Twp. 28N	Range 12W	Purchaser	
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6475	Perf. 6264-69 6283-88	To 6334-54
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6241	Perf. 6204	To 6210
Gas Pay:	From 6264	To 6354	L 6309	G .700	GL 4416 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 5-8-66		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.	(Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	8 Days					1837		1775		
1.	2 Inch	.750	471			471	60° est.	1000	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		483	1.0000	.9258	1.061	5866
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 **1787** P_c^2 **3,193,369**

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 $\frac{P_w}{P_c}$	$\frac{P_w}{P_c}$
1.						1,024,144	2,169,225		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **7839** MCFPD; n **.75**

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

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

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

