

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

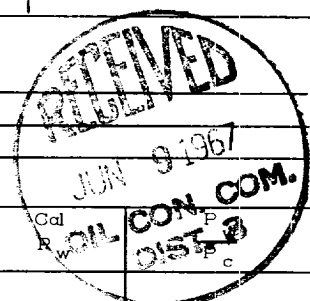
Form C-122
Revised 12-1-55

Pool Basin			Formation Dakota			County Rio Arriba		
Initial X		Annual		Special		Date of Test 5-29-67		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Jicarilla Apache Tribal 151			Well No. 1	
Unit N	Sec. 10	Twp. 26N	Range 3W		Purchaser Southern Union Gas Co.			
Casing 4.500 4.500	Wt. 11.6 10.5	I.D. 4.000 4.052	Set at 7974		Perf. 7700-7710 7720-7730 7784-7790	To 7820-7736 7864-7874 7900-7910 7661		
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 7692		Perf. 7655			
Gas Pay:	From 7700	To 7910	L 7805	G .700	GL 5464	Bar. Press. 12		
Producing Through:		Casing	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 5-19-67		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. hw	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.	10 days					2476		2472		
2.	2"	.750	304			304	64° est.	971	60° est.	3 Hr.
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 P D @ 15.025 psia
1.	12.3650		316	1.0000	.9254	1.037	3751
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 2488 P_c^2 6,190,144			
No.	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	$P_c^2 - P_w^2$
1.						966,289	5,223,855
2.							
3.							
4.							
5.							



ABSOLUTE POTENTIAL: **4260** MCFPD; n **.75**

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

ADDRESS **P. O. Box 480, Farmington, N. Mex.** COMPANY _____

AGENT AND TITLE **G. W. EATON, JR.**

Area Engineer