

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

Form C-122
Revised 12-1-55

Pool Undesignated		Formation Paradox		County San Juan	
Initial X		Annual		Date of Test 5-24-66	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease Ute Mountain Tribal "K"		Well No. 1	
Unit P	Sec. 33	Twp. 32N	Range 14W	Purchaser El Paso Natural Gas Co.	
Casing 5-1/2"	Wt. 17# - 14#	I.D.	Set at 9302	Perf. 8548	To 9225
Tubing 2-1/16"	Wt. 3.40	I.D. 1.751	Set at 9230	Perf. Open	To Ended
Gas Pay:	From 8548	To 9225	L 9230	G est. 0.780	GL 7199
				Bar. Press. 12	
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 5-17-66		Packer 8484		Reservoir Temp. 187° F.	

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	7 days					2353				81 7 days
1.	2-inch	3/4"	436		60°	436	60°			3 Hr.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _f	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.3650		448	1.0000	0.8771	1.078	5238
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 **13.24** (1-e^{-S}) **.408** P_c **2365** P_c² **5,593,225**

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.	448	200.704	6,935.112	4,809.578	1,962.308	2,163,012	3,430,213		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **8541** MCFPD; n **1.0**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

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

