

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

Form C-122
Revised 12-1-55

Pool Astec-Pictured Cliffs			Formation Pictured Cliffs			County San Juan		
Initial X		Annual		Special		Date of Test 5-24-66		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Abrams Gas Com "B"			Well No. 2	
Unit M	Sec. 25	Twp. 29N	Range 10W		Purchaser El Paso Natural Gas Company			
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 1974		Perf. 1882		To 1901	
Tubing 1-1/4	Wt. 2.4	I.D. 1.38	Set at 1888		Perf. 1878		To 1888	
Gas Pay:		From 1882	To 1901	L 1892	G .65 est.	GL 1230	Bar. Press. 12	
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual Single			
Date of Completion 5-16-66		Packer None			Reservoir Temp. 100° F.			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	Size (Line) Size	(Choke) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	2"					416		416		SI 8 days
1.	2"	3/4"	88		60°	88	60°	246	60°	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 P D @ 15,025 psia
1.	12.365		100	1.000	.9608	1.009	1199
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 **428** P_c² **183,184**

No.	$\frac{P_w}{P_t}$	$\frac{P_t}{P_c}$	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.						66,564	116,620		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1760** MCFPD; n **0.85**

COMPANY **PAN AMERICAN PETROLEUM CORPORATION** WITNESSED _____

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

AGENT AND TITLE
 Original Signed By
G. W. EATON, JR.
G. W. Eaton, Jr., Area Engineer