

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 2-24-66		
Company PAN AMERICAN PETROLEUM CORPORATION				Lease Federal Gas Com "H"			Well No. 1	
Unit C	Sec. 31	Twp. 30N	Range 12W		Purchaser El Paso Natural Gas Company			
Casing 4.500	Wt. 10.5	I.D. 4.052	Set at 6298		Perf. 6186-6206		To 6112-6132	
Tubing 2.375	Wt. 4.7	I.D. 1.995	Set at 6132		Perf. 6095		To 6101	
Gas Pay: From 6112		To 6206		L 6159		G .700		GL 4311
								Bar. Press. 12
Producing Through:			Casing X			Tubing X		
Date of Completion 2-13-66			Packer None			Reservoir Temp.		
Type Well - Single - Braden head - G.G. or G.O. Dual Single								

OBSERVED DATA

Tested Through:								Type of Taps		
Prover ☐ Choke ☒ Meter ☐										
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									
1.	2 Inch	3/4"	425			2054	60° est.	2054	1025	60° est. 3 hr.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w F_f}$	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.			437	1.000			5200
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 **2066** P_c² **4,268,356**

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.						1,075,369	3,192,987		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **6465** 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., Area Engineer**

