

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 9-21-65	
Company PAN AMERICAN PETROLEUM CORPORATION		Lease State "BH" Gas Com.		Well No. 1	
Unit M	Sec. 32	Twp. 31N	Range 13W	Purchaser	
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6360	Perf. 6942-58 6169-6174	To 6218-24 6202-12
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6168	Perf. Open	To Ended
Gas Pay:	From 6142	To 6224	L 6183	G .700	GL 4328 Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion 7-14-65		Packer None		Reservoir Temp.	

OBSERVED DATA

Tested Through:								Type of Taps	
Prover ☐ Choke ☒ Meter ☐									
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	XXXXXX (Line) Size	(Choke) XXXXXX Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	
SI	7 Days					1761		1737	
1.	2 Inch	.750	.241			241	60° est.	714	60° est.
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.	12.3650		253	1.000	.9258	1.030	2983
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

P_c P_c **1773** P_c² **3,143,529**

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.						527,076	2,616,453		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 3423 MCFPD; n .75

COMPANY PAN AMERICAN PETROLEUM CORPORATION WITNESSED

ADDRESS Box 480, Farmington, New Mexico COMPANY

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