

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

CORRECTED COPY

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-25-70			
Company PAN AMERICAN PETROLEUM CORP.				Connection None					
Pool B. S. Mesa				Formation Gallup				Unit	
Completion Date 3-18-70		Total Depth 8037		Plug Back TD 7860		Elevation / RDB GL 6874 / 6884		Farm or Lease Name Jicarilla Apache 102	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8037	Perforations: From 7291 To 7301		Well No. 11			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7764	Perforations: From 7291 To 7301		Unit C Sec. 10 Twp. 26 Rge. 4			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G.				Packer Set At 7759		County Rio Arriba			
Producing Thru Casing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F 60° Est.		Baro. Press. - P _a 12 psia est.		State New Mexico	
L 7296	H 7296	G _g .700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	LINE SIZE	X	CHOKED SIZE	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	7 Days						1230		
1.	2 Inch	.750		40			40		3 Hr.
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		52	1.000	.9258	1.000	595
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
					Specific Gravity Separator Gas	X X X X X X
					Specific Gravity Flowing Fluid	X X X X X
					Critical Pressure	P.S.I.A.
					Critical Temperature	R

P _c 1242	P _c ² 1,542,564		
NO.	P _t ²	P _w	P _w ²
1	52	54	2,916
2.			
3.			
4.			
5.			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0019$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 596$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0014$

Absolute Open Flow 596 Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: **Packer in hole, "P_w" calculated similar to Form C-122-A**

Original Signed By
G. W. EATON, JR.

Approved By Commission:	Conducted By: B. D. Dukes	Calculated By:	Checked By: J. J. Layton
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