

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-23-70	
Company PAN AMERICAN PETROLEUM CORP.				Connection None		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 9-16-70		Total Depth 2940		Plug Back TD 2891		Elevation / RDB EL 6048/6061
Farm or Lease Name E. E. Elliott "A"						Well No. 3
Csg. Size 4.500	Wt. 9.5	d 4.090	Set At 2930	Perforations: From 2787 To 2802		
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 2780	Perforations: From Open End To		Unit L Sec. 15 Twp. 30 Rge. 9
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan
Producing Thru Tubing		Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F Est. 60°		Baro. Press. - P _a 12 PSIA Est.
State New Mexico						
L 2795	H 2795	Gg .650 Est.	% CO ₂	% N ₂	% H ₂ S	Prover
		Meter Run	Taps			

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	XXXX Line Size	X XXXX Size Choke	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					640		640	
1.	2 Inch	.750	129			129	60° Est.	501	
2.									
3.									
4.									
5.									

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	12.3650		141	1.000	0.9608	1.012	1695
2.							
3.							
4.							
5.							

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

P _c 652	P _c ² 425,104		
NO.	P _t ²	P _w	P _w ²
1		513	263,169
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.6252}{P_c^2 - P_w^2}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{2.2713}{P_c^2 - P_w^2}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{3850}{P_c^2 - P_w^2}$$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
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Remarks: _____

Approved By Commission: **SEP 23 1970**

Conducted By: **B. D. Dukes**

Calculated By: **A. WAYMAN**

Checked By: **E. R. Hirst**