

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-25-70		APR 1 1970 OIL CON. COM. DIST. 3	
Company PAN AMERICAN PETROLEUM CORP.				Connection None					
Pool Basin				Formation Dakota					
Completion Date 3-13-70		Total Depth 8141		Plug Back TD 8109		Elevation / RDB CL 6366/ 6380		Farm or Lease Name Sarah E. Lilly "A"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 8141	Perforations: From 7900 To 8090		Well No. 1			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 7794	Perforations: From Open End To		Unit Sec. Twp. Rge. B 8 31 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 7794		County Rio Arriba			
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 7995	H 7995	Gg .700	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps	

FLOW DATA					TUBING DATA		CASING DATA		Duration of Flow
NO.	Flow Line Size	X	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	12 Days					2812		1039	
1.	2 Inch	.750	79			79	60° Est.	1038	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 Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.3650		91	1.000	.9258	1.001	1043
2.							
3.							
4.							
5.							

NO.	P _r	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 1051	P _c 1,104,601		
NO.	P _t ²	P _w	P _w ²
1		199	39,601
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{1.0372}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.0277}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1072}$$

Absolute Open Flow 1072	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. HATON JR.

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