

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 2-14-69	
Company PAN AMERICAN PETROLEUM CORP.				Connection	
Pool Undesignated				Formation Gallup	
Completion Date 2-7-69		Total Depth 6794		Plug Back TD 6550	
				Elevation / RDB 5861/ 5874	
Farm or Lease Name L. C. Kelly				Unit OIL CON. COM.	
Csg. Size 4.500		Wi. 10.5		d 4.052	
Set At 6791		Perforations: From 5996 To 6006		Well No. 3	
Tbg. Size 2-3/8"		Wi. 4.7		d 1.995	
Set At 5986		Perforations: From Open To		Unit Sec. Twp. Rge. F 4 30 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County San Juan	
Reservoir Temp. °F 90° @ TD		Mean Annual Temp. °F Est. 60°		State New Mexico	
Baro. Press. - P _a 12 PSIA est.					
L 6001	H 6001	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	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	7 Days					1139		1141	
1.	2-Inch	.750	358			358	60° est.	770	60° est.
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		370	1.000	.9258	1.045	4427
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

$P_c = 1153$ $P_c^2 = 1,329,409$				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		782	611,524	717,885
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1,329,409}{717,885}$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5874$$

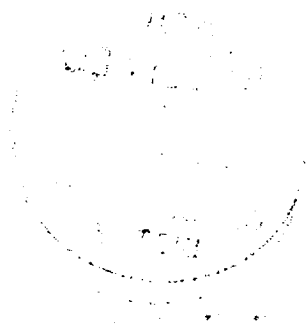
$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7027$$

$$7027$$

Absolute Open Flow 7027 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: B. D. Dukas	Calculated By:	Checked By: E. R. Hirst
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