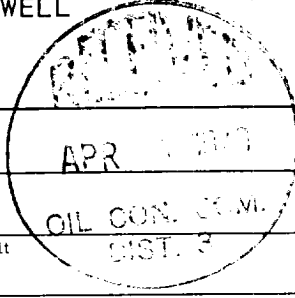


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3-23-70				
Company PAN AMERICAN PETROLEUM CORP.			Connection None						
Pool Aztec			Formation Pictured Cliffs			Unit			
Completion Date 3-16-70		Total Depth 2254		Plug Back TD 2210		Elevation GL 5728 /5742		Farm or Lease Name Gerk Gas Com "C"	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2243	Perforations: From 2111 To 2129		Well No. 1			
Tbg. Size 1.660	Wt. 2.30	d 1.380	Set At 2120	Perforations: From Open End To		Unit Sec. Twp. Rge. H 30 29 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 2120	H 2120	G _g .650	% 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.		Temp. °F
SI	7 Day					702		702		3 Hrs.
1.	2"	.750	151			151	60° Est.	520		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		163	1.000	.9608	1.015	1965
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1.					A.P.L. 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 714	P _c ² 509,796			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{2.2481}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.9908}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		532	283,024	226,772	
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{3912}$

$\frac{P_c^2}{P_c^2 - P_w^2} = \mathbf{2.2481}$

$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \mathbf{1.9908}$

Absolute Open Flow 3912	Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .85
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Remarks: _____		Original Signed By: W. LAYTON, JR.	
Approved By Commission:	Conducted By: B. D. Dukes	Calculated By:	Checked By: J. J. Layton