

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-14-79	
Company Jerome P. McHugh			Connection		
Pool WAW Fruitland PC			Formation Pictured Cliff		Unit
Completion Date 9-4-79		Total Depth 1350'		Plug Back TD 1297'	Elevation 6215'
Farm or Lease Name Chaco Plant		Well No. 36			
Csq. Size 2-7/8"	Wt. 6.4#	d	Set At 1337'	Perforations: From 1242 To 1252	
Tbg. Size 1-1/4	Wt. 2.4#	d	Set At 1258'	Perforations: From Open To End	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F	
Baro. Press. - P _g L		H H		G _g .62	
% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps	
County San Juan			State New Mexico		

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	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							135		146		7 days
1.											
2.											
3.	5/8 Pos. Choke						5	65	27		3 hrs
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.							
2.							
3.	8.5417		20	.9952	.9837	1.000	167
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 _____ XXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 158 P _c ² 24969					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0648$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{.85} = 1.0548$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 176$			
1.								
2.								
3.		39	1521	23448				
4.								
5.								

Absolute Open Flow 176 Mcfd @ 15.025		Angle of Slope Θ _____		Slope, n .85	
Remarks: _____					
Approved By Commission:		Conducted By: Hall		Calculated By: Hall	
				Checked By:	