

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		7-24-81					
Company				Connection											
Caulkins Oil Company															
Pool Otero Chacra -				Formation				Unit							
Blanco Mesa Verde				Chacra - Mesa Verde											
Completion Date		Total Depth		Plug Back TD		Elevation		Farm or Lease Name							
7-17-81		7500'		7500'		6676'		Sanchez							
Csg. Size		Wt. 17# &		d 4.950		Set At		Perforations:		Well No.					
5 1/2"		15.5#		4.892		7500		From 3940 To 5466		1 E					
Tbg. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rye.					
1 1/4"		2.30#		1.380		5427		From 5427 To		K 24 26N 6W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At		County							
Gas - Gas Multiple						5615		Rio Arriba							
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State							
Tubing		#						New Mexico							
L		H		G _g		% CO ₂		% N ₂		% H ₂ S					
										Prover					
										Meter Run					
										Taps					
FLOW DATA						TUBING DATA		CASING DATA		Duration					
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	of Flow				
SI							698		1033		7 Days				
1.	3/4" choke						78		630		3 Hours				
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	14.1605		90	1.000	1.000	1.000	1274								
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 X										
3.					Specific Gravity Flowing Fluid _____ X X X										
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.										
5.					Critical Temperature _____ R _____ R										
P _c 1,045 P _c ² 1,092,025															
NO	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_w^2 - P_w^2} = 1.006$ (2) $\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n = 1.4268$										
1		642	412,164	679,861											
2															
3															
4															
5															
AOF = Q					$\left[\frac{P_c^2}{P_w^2 - P_w^2} \right]^n = 1,818$										
Absolute Open Flow					1,818		Mcf @ 15.025		Angle of Slope @		75				
									Slope, n						
Remarks:															
Approved By Division				Conducted By:				Calculated By:				Checked By:			