

Company Arco Production Company				Location Not Dedicated			
Well Undes				Formation Chacra			
Completion Date 12-23-81		Total Depth 7218		Plug Back TD 7162		Elevation 6150 GL	
Csg. Size 5.500		Wt. 15.5		Set At 4.950		Well No. # II-1	
Perforations: From 3468 To 3602		Set At 7218		Perforations: From gas To anchor		Unit Soc. Twp. Rge. G 32 29N 9W	
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Factor Set At 3680		County San Juan		State New Mexico	
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F		Baro. Press. - P _b	
L		H		G ₂		% CO ₂	
						% H ₂ S	
						Prover	
						Meter Run	
						Taps	

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	7 Days						877		877		
1.	2.375		.750				77		322		3 hrs
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	12.365		89	1.000	1.000	1.008	1066
2.							
3.							
4.							
5.							

NO.	P _b	Temp. °R	T _f	Q	Gas Liquid Hydrocarbon Ratio _____ Mcf/1000
1					API Gravity _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 889	P _c ² 790321			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1701$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1251$
NO.	P ₁	P _w	P _w ²	P _c ² - P _w ²	
1		339	114921	675400	
2					
3					
4					
5					

Absolute Open Flow 1199	Mcfd @ 15.025	Angle of Slope θ	Slope, n .75
-------------------------	---------------	------------------	--------------

Remarks:			
Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barrett	Checked By