

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-5-83	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Gavilan				Formation Pictured Cliffs	
Completion Date 12-14-82		Total Depth 4131		Plug Back TD 4085	
Elevation 7524 GL		Farm or Lease Name Jicarilla Apache A 118			
Csq. Size 4.500	Wt. 10.5	d 4.012	Set At 4131	Perforations: From 3994 To 4044	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 4055	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
L	H	Gg	% CO ₂	% N 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	14 Days						714		917		
1.	2.375		.750				100		350		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		112	1.000	.9608	1.010	1344
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
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 929	P _c ² 663041	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1790$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1503$
NO.	P _c ²	P _w	P _w ²
1		362	131044
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1546$

Absolute Open Flow 1546 Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n .85
---------------------------------------	-----------------------------	--------------

Remarks: _____

Approved By Division	Conducted By:	Calculated By:	Checked By:
----------------------	---------------	----------------	-------------