STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test: [X] Initial [ ] Annual [X] Special			Test Date: 1-15-83		
Company: Amoco Production Company		Connection: El Paso Natural Gas Company			
Pool: Aztec		Formation: Pictured Cliffs		Unit	
Completion Date: 12-29-83	Total Depth: 3197	Plug Back TD: 3154	Elevation: 5474 GL	Farm or Lease Name: Anderson Gas Com "A"	
Csg. Size: 7.000 / Wt.: 26 / d: 6.276 / Set At: 3197		Perforations: From 1768 To 1826		Well No.: 1	
Tbg. Size: 2.063 / Wt.: 3.25 / d: 1.751 / Set At: 1853		Perforations: From Gas To Anchor		Unit: C / Sec.: 28 / Twp.: 29 / Rge.: 10	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Dual		Packer Set At: 1920		County: San Juan	
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State: New Mexico	
L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps

	FLOW DATA				TUBING DATA		CASING DATA		
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	Duration of Flow
SI	7 Days					203		231		
1.	2.375	.750				64		152		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		76	1.000	.9608	1.006	908
2.							
3.							
4.							
5.							

NO.	P_r	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
Specific Gravity Separator Gas _____ XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 243 P_c^2 59049

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		164	26896	32153
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8365$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.6765$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1522$

OIL CON. DIV.

Absolute Open Flow 1522 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .85

Remarks: _____

Approved By: _____ Calculated By: _____ Checked By: _____