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: 6-15-82	
Company: Amoco Production Company	Connection: Northwest Pipeline Corporation			Unit
Pool: ~~Undesignated~~ Undesignated Gallup	Formation: ~~Gallup~~ DC / GALLUP			
Completion Date: 6-1-82	Total Depth: 8935	Plug Back TD: 8726	Elevation: 7406 GL	Farm or Lease Name: San Juan 29-4
Csg. Size: 7.000 / 4.500 — Wt.: 23 / 11.6 — d: 6.366 / 4.000 — Set At: 8935		Perforations: From 7838 To 8009		Well No.: 24
Tbg. Size: 2.375 — Wt.: 4.7 — d: 1.995 — Set At: 8005		Perforations: From open To ended		Unit: B — Sec.: 8 — Twp.: 29N — Rge.: 4W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: None		County: Rio Arriba
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					1880		2350		
1.	2.375	.750				97		417		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		109	1.000	.9258	1.012	1263
2.							
3.							
4.							
5.							

NO.	P_t	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 _____ XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX _____
Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
Critical Temperature _____ R _____ R

P_c 2362 P_c^2 5579044

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		429	184041	5395003
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0341$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0255$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1295$

Absolute Open Flow 1295 Mcfd @ 15.025 | Angle of Slope θ _____ | Slope, n .75

Remarks: Drillable Bridge Plug at 8100 ft.
Liner & Casing set at 4615 & 4451

Approved By Division	Conducted By:	Calculated By:	Checked By:
	J. J. Barnett	J. J. Barnett	