STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
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: [XX] Initial [ ] Annual [XX] Special						Test Date: 8/22/84			
Company: Amoco Production Co.				Connection: NWPL					
Pool: Basin				Formation: Dakota				Unit	
Completion Date: 7/27/84		Total Depth: 8090		Plug Back TD: 8039		Elevation: 6400GL		Farm or Lease Name: Rosa Unit	
Csg. Size: 4.500	Wt.: 11.6	d: 4.000	Set At: 8090	Perforations: From 7867	To 8018			Well No.: 59	
Tbg. Size: 2.375	Wt.: 4.7	d: 1.995	Set At: 8012	Perforations: From Open	To Ended			Unit: N	Sec.: 25	Twp.: 31	Rge.: 6
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Commingle				Packer Set At: 7.697				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	12 Days				2705		X		
1.	2.375 .750				148		X		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		160	1.000	.9258	1.019	1866
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 2717 P_c^2 7382089

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		359	128881	7253208
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0178$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0133$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1891$

Absolute Open Flow 1891 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75

Remarks: Med. H_2O Flared

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