OIL CONSERVATION DIVISION

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 [XX] Special				Test Date: 8/22/84	
Company: Amoco Production Co.		Connection: NWPL			
Pool: ~~Undes.~~		Formation: Gallup		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 6444 To 7526		Well No.: 59	
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 7664		Perforations: From Sliding To Sleeve		Unit: N / Sec.: 25 / Twp.: 31 / Rge.: 6	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single - Commingle		Packer Set At: 7697		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	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI	12 Days						2350		2450		
1.	2.375		.750				130		578		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		142	1.000	.9258	1.017	1653
2.							
3.							
4.							
5.							

NO.	P_t	Temp. °R	T_t	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 2360 P_c^2 5569600

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		590	348100	5221500
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0667$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0496$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1735$

Absolute Open Flow 1735 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	