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 3-9-85

Type Test: [X] Initial [ ] Annual [X] Special				Test Date: 4-14-85	
Company: Amoco Production Co.		Connection: Northwest Pipeline Corp.			G55
Pool: Undes.		Formation: Gallup			Unit
Completion Date: 3-8-85	Total Depth: 9049		Plug Back TD: 8990	Elevation: 7060 GL	Farm or Lease Name: Rosa Unit
Csg. Size: 4.500 / Wt.: 11.6 / d: 4.000 / Set At: 9049			Perforations: From 7738 To 8182		Well No.: 105
Tbg. Size: 2.375 / Wt.: 4.7 / d: 1.995 / Set At: 8230			Perforations: From Sliding To Slevee		Unit: I / Sec.: 22 / Twp.: 31 / Rge.: 4
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Commingle			Packer Set At: 8233		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	25 Days						1650		2950		
1.	2.375		.750				171		805		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		183	1.000	.9258	1.022	2141
2.							
3.							
4.							
5.							

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NO.	P_t	Temp. °R	T_r	Z_t
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 2962 P_c^2 8773444

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		817	667489	810598
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0823$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.0611$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2272$

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

Remarks: Heavy spray H_2O thru test delay on test due to muddy road condition.

Approved By Division	Conducted By:	Calculated By:	Checked By:
	B & R Services	J. J. Barnett	