

OIL CONSERVATION DIVISION

Form C-122
Revised 10-1-78STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 1-11-84	
Company Amoco Production Company				Connection Northwest Pipeline Corporation	
Pool Undes.				Formation Gallup	
Completion Date 12-22-83		Total Depth 7958		Plug Back TD 7950	
				Elevation 6267 GL	
Farm or Lease Name Rosa Unit					
Csg. Size 4.500		Wt. 11.6		Well No. 98	
d 4.000		Set At 7958		Perforations: From 6310 To 7592	
Thg. Size 2.375		Wt. 4.7		Perforations: From sliding To sleeve	
d 1.995		Set At 7929		Unit Sec. Twp. Rye. L 23 31 6	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingled				Packer Set At 7691	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F 8		Mean Annual Temp. °F		State New Mexico	
Baro. Press. - P _a					
L	H	G _g	% CO ₂	% N ₂	% H ₂ S
Prover		Meter Run		Taps	

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
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	
SI	7 Days						1990		1890		
1.	2.375		.750				305		1250		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		317	1.000	.9258	1.038	3767
2.							
3.							
4.							
5.							

NO. R D

Temp. °F 984 T_r

OIL CON. DIV.

DIST. 3

Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.

A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.

Specific Gravity Separator Gas _____ X X X X X X X X

Specific Gravity Flowing Fluid _____ X X X X X

Critical Pressure _____ P.S.I.A. _____ P.S.I.A.

Critical Temperature _____ R _____ R

P _c 2002	P _c ² 4008004	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6587$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4616$
NO. 1	P _i ² 1262	P _w ² 1592644	P _c ² - P _w ² 2416360
2.			
3.			
4.			
5.			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 5506$

Absolute Open Flow _____ Mcfd @ 15.025

Angle of Slope θ _____

Slope, n _____

Remarks: Med spray water - no flare.
Sliding sleeve set at 7593 ft.

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