

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2600
SANTA FE, NEW MEXICO 87501Form C-177
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		3-29-84			
Company				Connection									
Amoco Production Company				North West Pipeline									
Pool				Formation				Unit					
Basin				Dakota									
Completion Date			Total Depth			Plug Back TD			Elevation			Farm or Lease Name	
12-22-83			7958			7950			6267 GL			Rosa Unit	
Ceq. Size		Wt.		d		Set At		Perforations		Well No.			
4.500		11.6		4.000		7958		From 7779 To 7921		98			
Tbg. Size		Wt.		d		Set At		Perforations		Unit Sec. Twp. Rge.			
2.375		4.7		1.995		7929		From Open To Ended		L 23 31 6			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple								Packer Set At		County			
Commingled								7691		Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State					
								New Mexico					
L		H		G _g		% CO ₂		% H 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.	
SI	8 days						2245		X	
1.	2.375	.750					325		X	
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 _{sp}	Rate of Flow O. Mcd
1	12.365		337	1.000	.9258	1.041	4016
2.							
3.							
4.							
5.							

NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Moisture
1.					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 2272		P _c ² 5161984		(1) $\frac{P_c^2}{P_1^2 - P_2^2} = 1.1282$		(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n = 1.0947$	
NO.	P ₁ ²	P ₂	P ₂ ²	P ₁ ² - P ₂ ²			
1		766	586756	4575228			
2							
3							
4							
5							

Atmospheric Open Flow		4396		Mold # 15.025		Angle of Slope θ		Slope, n		
								.75		
Remarks: Med. mist H ₂ O was not flared										
Approved By Division										
Conducted By:			J. Barnett			Calculated By:			J. Barnett	
Checked By:										