

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-75

Type Test ☒ Initial ☐ Annual ☒ Special Test Date 10-15-80					
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 7-21-80		Total Depth 6949		Plug Back TD 6911	
				Elevation 5635 GL	
Csg. Size Wt. d Set At				Perforations:	
4.500 10.5 4.052 6940				From 6589 To 6713	
Tbg. Size Wt. d Set At				Perforations:	
2.375 4.7 1.995 6728				From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F Baro. Press. - P_a	
				County San Juan	
				State New Mexico	
L	H	Gg	% CO ₂	% N ₂	% H ₂ S
FLOW DATA			TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w
1	2.375		.750		
2					
3					
4					
5					
			Press. p.s.i.g.	Temp. °F	Duration of Flow
			1265		3 hrs.
			72		
RATE OF FLOW CALCULATIONS					
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg
1	12.365		84	1.000	.9258
2					
3					
4					
5					
Super Compress. Factor, Fpv					
1.009					
Rate of Flow Q, Mcfd					
970					
NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio
1					Mcft/bbl
2					A.P.I. Gravity of Liquid Hydrocarbons
3					Specific Gravity Separator Gas
4					Specific Gravity Flowing Fluid
5					Critical Pressure
					P.S.I.A.
					Critical Temperature
					°R
P _c 1332 P _c ² 1774224 NO. P _f P _w P _w ² P _c ² - P _w ² (1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0866$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0643$					
1		376	141376	1632848	
2					
3					
4					
5					
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1032$					
Absolute Open Flow 1032 Mcft @ 15.025 Angle of Slope θ Slope, n 75					
Remarks: Med. Spray H₂O					
Approved By Commission		Conducted By: J.J. Barnett		Calculated By: J.J. Barnett	
				Checked By: W.L. Peterson	