

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☒ Special						Test Date 2-22-82			
Company Amoco Production Company				Connection El Paso Natural Gas Company					
Pool				Formation Gallup				Unit	
Completion Date 12-16-82		Total Depth 6190		Plug Back TD 6154		Elevation 5541 GL		Farm or Lease Name Gallegos Canyon Unit	
Csg. Size 5.500	Wt. 17	d 4.892	Set At 6190	Perforations: From 5420 To 5620		Well No. 217E			
Thq. Size None	Wt. None	d None	Set At None	Perforations: From To		Unit D	Sec. 13	Twp. 28N	Rye. 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual						Packer Set At 5900		County San Juan	
Producing Thru Casing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
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	14 Days						800		X		
1.	2.375		.750				22		X		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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		34	1.000	.9258	1.002	390
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	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			
1.								
2.								
3.								
4.								
5.								

P _c 812	P _c ² 659344		
NO.	P _r	P _w	P _r ² - P _w ²
1		34	1156
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0018$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0013$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 390$

Absolute Open Flow 390	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: Sliding sleeve set at 5900'.

Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By QB
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