

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 5-31-83	
Company Amoco Production Company			Connection Not Dedicated		
Pool Basin			Formation Dakota		Unit
Completion Date 5-11-83		Total Depth 6223		Plug Back TD 6209	Elevation 5683 GL
Farm or Lease Name Gallegos Canyon Unit					Well No. 85E
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 6223	Perforations: From 6004 To 6163	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6121	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing		Reservoir Temp. °F θ		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	16 Days						776		777		
1.	2.375		.750				172		670		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, Mcf/d
1	12.365		184	1.000	.9258	1.021	2151
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 789	P _c ² 622521	
NO.	P _t ²	P _w
1		682
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 3.9551$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8046$$

$$AOI = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6033$$

Absolute Open Flow 6033		Mcf @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				
Approved By Commission	Conducted By J. J. Barnett	Calculated By J. J. Barnett	Checked By	