

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 11-4-81	
Company Amoco Production Company				Connection Amoco Gas Company	
Pool Basin				Formation Dakota	
Completion Date 10-21-81		Total Depth 6006		Plug Back TD 5969	
Elevation 5335 GL		Farm or Lease Name Gallegos Canyon Unit			
Csg. Size 4.500	Wt. 11.6	d 4.000	Set At 6006	Perforations: From 5774 To 5884	
Well No. 106E					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5911	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru Tubing				State New Mexico	
Reservoir Temp. °F P		Mean Annual Temp. °F P		Baro. Press. - P _a	
L	H	Gg	% 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.	
SI	14 Days						1176		1176	
1.	2.375		.750				183		570	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 Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		195	1.000	.9258	1.022	2281
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					A.P.I. Gravity of Gas	
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Hydrocarbon Liquid	
4.					Critical Pressure	
5.					Critical Temperature	

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1188	582	338724	1072620	1.3158	1.2285
2						
3						
4						
5						

Absolute Open Flow <u>2802</u> Mcfd @ 15.025				Angle of Slope θ _____ Slope, n <u>.75</u>	
Remarks:					
Approved By Commission: _____ Conducted By: <u>J. J. Barnett</u>					
Calculated By: <u>J. J. Barnett</u> Checked By: _____					