

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 5-31-85		Flac	
Company Amoco Production Co.				Connection El Paso Natural Gas Company		846453-01-7	
Pool Basin				Formation Dakota		Unit	
Completion Date 5-23-85		Total Depth 6190		Plug Back TD 6143		Elevation 5640GR	
Farm or Lease Name Gallegos Canyon Unit				Well No. 235E			
Coq. Size 7.000	Wl. 23	d 6.366	Set At 6190	Perforations: From 5972 To 6080		Unit Sec. Twp. Rye. 0 13 28 13	
Fig. Size 2.375	Wl. 4.7	d 1.995	Set At 6089	Perforations: From open To ended			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None		County San Juan	
Producing Thru tubing		Reservoir Temp. °F B		Mean Annual Temp. °F		Baro. Press. - P _a New Mexico	
L	H	Gq	% 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	7 days						795		798	
1.	2.375	.750					96		238	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		108	1.000	.9258	1.010	1249
2.							
3.							
4.							
5.							

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

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	810	250	62500	593600	1.1053	1.0780
2.						
3.						
4.						
5.						

Absolute Open Flow		Mcf @ 15.025	Angle of Slope A	Slope, n .75
Remarks: flared, lite condensate, med. H2O				
Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By:	