

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 5-22-85		Flac	
Company Amoco Production Co.		Connection El Paso Natural Gas Company		846400-01-8	
Pool Basin		Formation Dakota		Unit	
Completion Date 5-6-85		Total Length 6447		Plug Back TD 6363	
		Elevation 5942GR		Farm or Lease Name Gallegos Canyon Unit	
Casing Size 7.000		WT. 23		ID 6.366	
Set At 6447		Perforations: From 6204 To 6324		124E	
Tubing Size 2.375		WT. 4.7		ID 1.995	
Set At 6342		Perforations: From open To ended		Unit Sec. Twp. Rge. N 35 28 12	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At None	
Producing Thru tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F	
		Baro. Press. - P ₀		County San Juan	
		State New Mexico		Prover Meter Run Taps	
L		R		Gg	
% CO ₂		% N ₂		% H ₂ S	

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						1170		1425	
1.	2.895	.750					250		605	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. Comp. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		262	1.000	.9258	1.031	3092
2.							
3.							
4.							
5.							

NO.	R	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.L. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mo/SHL	Deg.
1												
2												
3												
4												
5												

NO.	P _i	P _w	P _i ²	P _w ²	P _i ² - P _w ²	(1) $\frac{P_i^2}{P_i^2 - P_w^2} =$	(2) $\left[\frac{P_i^2}{P_i^2 - P_w^2} \right]^n =$
1	1437	617	2064969	380689	1684280	1.2260	1.1651
2.							
3.							
4.							
5.							

Absolute Open Flow 3603		Mcf M 15.025		Angle of Slope θ		Slope, n .75	
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Remarks: flared, lite H2O, lite condensate

Approved By Division	Conducted By: Bryan Services	Calculated By: J.J. Barnett	Checked By:
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