

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-13-82	
Company Amoco Production Company				Connection El Paso Natural Gas Company	
Pool Basin				Formation Dakota	
Completion Date 3-10-82		Total Depth 6331		Plug Back TD 6283	
Elevation 5878 GL		Farm or Lease Name Gallegos Canyon Unit			
Csq. Size 4.500	Wt. 10.5	d 4.052	Set At 6331	Perforations: From 6176 To 6246	
Trq. Size 2.375	Wt. 4.7	d 1.995	Set At 6245	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 p		Mean Annual Temp. °F Baro. Press. - P _g	
L		H		County San Juan	
G _g		% CO ₂		State New Mexico	
G _g		% N ₂		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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI	11 Days						568		614		
1.	2.375		.750				.52		434		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, Mcfd
1	12.365		64	1.000	.9258	1.006	737
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
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 _r 624	P _w 391875					
NO	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = \frac{2.0309}{}$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{1.7012}{}$
1		446	198916	192960		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = \frac{1254}{}$

$$AOF = Q \left[\frac{P_r^2}{P_r^2 - R_w^2} \right]^n = 1254$$

Absolute Open Flow 1254	Mcf @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks:

Approved By Division	Conducted By: J. J. Barnett	Calculated By: J. J. Barnett	Checked By: B
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