

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4/25/85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co	
Pool Basin		Formation Dakota	
Completion Date 4/16/85		Total Depth 6281	
Plug Back TD 6212		Elevation 5169' 6096GR	
Farm or Lease Name Gallegos Canyon Unit		Well No. 8E	
Gas Size 7.000	Wt. 23	d 6.366	Set At 6281
Perforations: From 5984 To 6096	Perforations: From open To ended		
Gas Size 2.375	Wt. 4.7	d 1.995	Set At 6105
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single		Packer Set At None	
Producing Thru tubing		Baro. Press. - P _a	
Reservoir Temp. °F #		Mean Annual Temp. °F	
County San Juan		State	
L	H	C _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	8 days						868		387		
1.	2.375	.750					126		423		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, Mc/d
1	12.365		138	1.000	.9258	1.016	1605
2.							
3.							
4.							
5.							

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

P _c 898	P _c ² 806404	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3066$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2221$
NO. 1	P _t ²	P _w	P _w ²
1		435	189225
2			
3			
4			
5			

Absolute Open Flow 1961	Mc/d @ 15.025	Angle of Slope #	Slope, n .75
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Remarks: Flared Heavy H₂O, Lite Condensate