

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

4-10-86

Type Test ☒ Initial ☐ Annual ☒ Special				Test Date 4-24-86	
Company Amoco Production Co.				Connection El Paso	
Pool Basin				Formation Dakota	
Completion Date 4-9-86		Total Depth 6452		Plug Back TD 6400	
				Elevation 5896 GR	
Farm or Lease Name Gallegos Canyon Unit					
Csg. Size 7.000	Wt. 26	d 6.276	Set At 6452	Perforations: From 6214 To 6348	
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 6360	Perforations: From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At None	
Producing Thru tubing				County San Juan	
Reservoir Temp. °F #		Mean Annual Temp. °F		State New Mexico	
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	7 days						1240		1530	
1.	2.375		.750				140		530	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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		152	1.000	.9258	1.018	1771
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	XXXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 1542	P _c ² 2377764	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1410$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1040$
NO.	P _t ²	P _w ²	P _c ² - P _w ²
1		542	293764
2			
3			
4			
5			

Absolute Open Flow 1955 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: flared x heavy oil, light H ₂ O			
Approved By Division			
Conducted By: J.J. Barnett		Calculated By: J.J. Barnett	
		Checked By: 7	

