

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4/23/85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co.	
Pool Basin		Formation Dakota	
Completion Date 4/15/85	Total Depth 6288	Plug Back TD 6245	Elevation 5459GR
Farm or Lease Name Federal GC "H"		Well No. 1E	
Coq. Size 4.500	wt. 11.6	d 4.000	Set At 6288
Perforations: From 6060 To 6238		Well No. 1E	
Trq. Size 2.375	wt. 4.7	d 1.995	Set At 6237
Perforations: From open To ended		Unit G 31 30 12	
Type Well - Single - Broadhead - G.C. or G.O. Multiple Single		Packer Set At None	
Producing Thru L H Gg		County San Juan	
Reservoir Temp. °F a		State New Mexico	
Mean Annual Temp. °F		Baro. Press. - P _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.	
SI							1098		1985	
1.										
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.							
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					
2.					
3.					
4.					
5.					

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} =$ _____	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ _____
1.							
2.							
3.							
4.							
5.							

NO.	P _r	P _w	P _r ²	P _w ²	P _r ² - P _w ²	AOI* = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$ _____
1.						
2.						
3.						
4.						
5.						

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope ft _____	Slope, n _____
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Remarks: Flow for mcfd was not conducted due to housing in area & in the town of Farmington. Shut-in pressure only.