

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 4/24/85	
Company Amoco Production Co.		Connection El Paso Natural Gas Co	
Pool Basin		Formation Dakota	
Completion Date 4/17/85		Total Depth 6639	Plug Back TD 6595
		Elevation 5849GR	
Csg. Size 4.500		WT. 11.6	d 4.000
Set At 6639		Perforations: From 6427 To 6538	
2.375		4.7	1.995
6525		From open To ended	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			
Producing Thru tubing		Reservoir Temp. °F #	Mean Annual Temp. °F None
L		H	Gg
% CO ₂		% N ₂	% H ₂ S
Prover		Meter Run	Taps
Farm or Lease Name Jennapah GC "A"			
Well No. 1E			
Unit 0 36 28 9			
County San Juan			
State New Mexico			

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	7 days						1075		1800		
1.	2.375	.500					75		495		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 Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	5.4315		87	1.000	.9258	1.010	442
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 1812	P _c ² 3283344					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0849$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0631$
1		507	257049	3026295		
2						
3						
4						
5						

Absolute Open Flow 470		Mold # 15.025		Angle of Slope		Slope, n .75	
Remarks: Flared, Med H2O, Med condensate							
Approved By Division							
Conducted By							
Calculated By							