

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-25-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Undesignated				Formation Pictured Cliffs				Unit San Juan 28-6	
Completion Date 2-8-81		Total Depth 6050		Plug Back TD 6033		Elevation 6617 G.L.		Farm or Lease Name San Juan 28-6 Unit	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 3746	Perforations: From 3416 To 3440		Well No. #28A			
Thq. Size 1.660	Wt. 2.4	d 1.380	Set At 3441	Perforations: From To		Unit Sec. Twp. Rge. <u>DC</u> 18 28 6			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 3618		County Rio Arriba	
Producing Thru csg.		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.625	% 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							1005		1005		17 Days
1.	Choke		0.750	95		58	95				
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		107	1.0019	0.9798	1.009	
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 P.S.I.A.	Critical Temperature °R
1										
2.										
3.										
4.										
5.										

P _c 1017		P _c ² 1034289		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0112$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0095$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²			
1		107	11449	1022840			
2							
3							
4							
5							

Absolute Open Flow 1322 Mcfd @ 15.025		Angle of Slope		Slope, n 0.85	
Remarks: Vented 219 MCF Gas During The Test					
Approved by Division		Conducted By: John Easley		Calculated By: H. E. McNally	
				Checked By:	