

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 5-7-81	
Company El Paso Natural Gas Company		Connection El Paso Natural Gas Company	
Well Blanco Ext.		Formation Pictured Cliffs	
Completion Date 4-8-81		Total Depth 5990	Plug back TD 5972
Elevation 6561 GR		Form or Lease Name San Juan 28-7 Unit	
Csg. Size *7.000	Int. 20	d 6.456	Set At 3650
Perforations: From To		Well No. #74A (PC)	
Csg. Size 1 1/4	Int. 2.33	d 3433	Set At 3433
Perforations: From To		Unit Sec. Twp. R. 1/4 I 11 28 7	
Type Well - Single - Broadhead - G.G. or G.O. Multiple G. G. Dual			Packer Set At 3545
Producing Thru Csg.		Reservoir Temp. *F p	Mean Annual Temp. *F 12
County Rio Arriba		State New Mexico	
L	H	Gv 0.620	% 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							1010		1006		29 Days
1.	Choke		0.750	80		60	82				3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft	Gravity Factor Fg	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mscf
1	12.365		92	1.000	.9837	1.008	1128
2							
3							
4							
5							

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

P _r 1022	P _w 1044484	(1) $\frac{P_r^2}{P_w^2 - P_r^2} = 1.0085$	(2) $\left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n = 1.0072$
NO. 1	P _r 94 P _w 8836 P _r ² - P _w ² 1035648	$AOF = Q \left[\frac{P_r^2}{P_w^2 - P_r^2} \right]^n = 1136$	
2			
3			
4			
5			

Absolute Open Flow 1136	At 15.025	Angle of Slope	Slope, n 0.85
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Remarks: *4 1/2" Liner Set From 3527 to 5990
Gas Vented During Test = 174 MCF

Approved by Division	Conducted By John Easley	Calculated By R. F. Headrick	Checked By
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