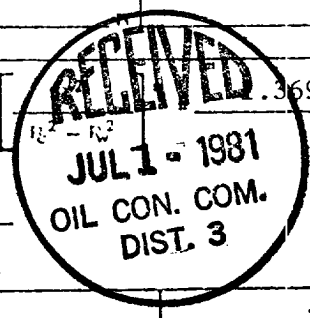


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 6-29-81	
Company El Paso Natural Gas Company				Connection		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 6-14-81		Total Depth 7497		Plug Back TD 7490		Elevation 6293 GR
Form or Lease Name San Juan 29-7 Unit						Well No. #111 M
Csg. Size 9.625	Int. 40	Set At 3227	Perforations: From *4362 To 5590			Unit C
Fig. Size 1.900	Int. 2.9	Set At 5558	Perforations: From To			Sec. 31 Twp. 29 Rye. 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 5615		County Rio Arriba
Producing Thru Csg.		Reservoir Temp. *F p		Mean Annual Temp. *F		State New Mexico
L	H	Gg .650	% CO ₂	% N ₂	% H ₂ S	Prover
FLOW DATA			TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. *F
SI						
1.	2	X	.750	501		72
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, F _{pv}
1	12.365		513	.9887	.9608	1.057
2.						
3.						
4.						
5.						
NO.	P _t	Temp. *F	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf, bbl.	
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X X	
3.					Specific Gravity Flowing Fluid _____ X X X X X	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R	
$P_c = 926$ $P_c^2 = 857476$ $P_t^2 = 542$ $P_w^2 = 293764$				(1) $\frac{P_c^2}{P_t^2 - P_w^2} = \frac{857476}{563712}$ (2) $\frac{P_c^2}{P_t^2 - P_w^2} = \frac{857476}{563712}$		
AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 8724$						
Absolute Open Flow 8724				Mcf @ 15.025		Slope, n .75
Remarks: *7,000 Liner 3097' - 5766' 4,500 Liner 5619' - 7497'						
Approved by Division		Conducted by: John Easley		Calculated by: Ed Mabe		Checked by: