

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-3-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 28-5	
Completion Date 1-27-81		Total Depth 5946		Plug Back TD 5925		Elevation 6487 G.L.		Farm or Lease Name San Juan 28-5 Unit	
Csq. Size 7.000	Wt. 20.0	d 6.456	Set At 3662	Perforations: From *4983 To 5815		Well No. #38A			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5770	Perforations: From To		Unit Sec. Twp. Rge. 0 32 28 5			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual						Packer Set At 3493		County Rio Arriba	
Producing Thru Tbg. L		Reservoir Temp. *F #		Mean Annual Temp. *F		Baro. Press. - P _a 12		State New Mexico	
H		Gg 0.650	% 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							814				7 Days
1.	Choke		0.750	222		60					3 Hours
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	12.365		234	1.000	0.9608	1.023	2844
2.							
3.							
4.							
5.							

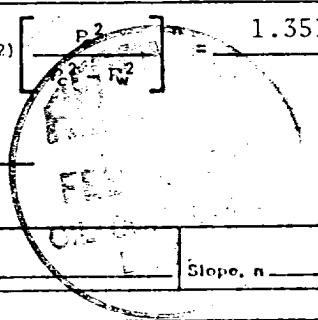
NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
2.					Specific Gravity Separator Gas _____ X X X X X X X X	
3.					Specific Gravity Flowing Fluid _____ X X X X X	
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
5.					Critical Temperature _____ R _____ R	

P _c 826	P _c ² 682276		
NO.	P _i ²	P _w	P _w ²
1	54756	475	225651
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4941$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3843$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3514$$



Absolute Open Flow	3843	Mcf/d @ 15.025	Angle of Slope θ	Slope, n	0.75
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Remarks: *4.500" Liner from 3487 to 5946. Gas Vented - 399 MCF

Approved By Division	Conducted By Mel Wileman	Calculated By H. E. McAnally	Checked By:
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