

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-2-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit San Juan 29-7	
Completion Date 7-27-80		Total Depth 8043		Plug Back TD 8036		Elevation 6772 G.L.		Farm or Lease Name San Juan 29-7 Unit	
Csg. Size 7.000	Wt. 23.0	d 6.366	Set At 6350	Perforations: From 5236 To 6113				Well No. #65A (MV)	
Thg. Size 1.900	Wt. 2.9	d 1.610	Set At 6094	Perforations: From To				Unit Sec. Twp. Rge. J 22 29 7	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 6225		County Rio Arriba			
Producing Thru Csg.		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g 0.690	% 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							666		695		37 Days
1. Choke		0.750		475		66	526				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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		487	0.9943	0.9325	1.057	5902
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	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 707	P _c ² 499849	
NO.	P _w	P _w ²
1	538	289444
2.		
3.		
4.		
5.		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.3757$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 11294$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9135$

Absolute Open Flow	11294	Mcfd @ 15.025	Angle of Slope °	Slope, n	0.75
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Remarks: The Well Produced 775 MCF Gas During The Test.

Approved By Commission:	Conducted By: John Easley	Calculated By: H.E. McNally	Checked By:
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