

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 7-30-80			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 7-21-80		Total Depth 5597		Plug Back TD 5580		Elevation 6310 G.L.		Farm or Lease Name Jones A	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3260	Perforations: From 4541 To 5496		Well No. 4A (MV)			
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5441	Perforations: From To		Unit J	Sec. 13	Twp. 28	Rge. 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3102		County San Juan			
Producing Thru Tbg.		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _g 12		State New Mexico	
L	H	Gg 0.700	% 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							758				9 Days
1.	Choke		0.750	264		74					3 Hrs.
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		276	0.9868	0.9258	1.030	3211
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas-Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					Apparent 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 770	P _c ² 592900	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0039$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6842$
NO.	P _t ²	P _w	P _w ²
1	76176	545	297025
2.			
3.			
4.			
5.			

Absolute Open Flow 5408 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .075
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Remarks: 4.500 Liner From 3097 to 5597. The Well Produced 541 MCF Gas During The Test.

Approved By Commission:	Conducted By: Norman Waggoner	Calculated By: H. E. McAnally	Checked By:
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