

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 8-20-80	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company		
Pool Blanco				Formation Mesa Verde		Unit
Completion Date 8-13-80		Total Depth 5582		Plug Back TD 5564		Elevation 6274 G.R.
Farm or Lease Name Sunray J						
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3158	Perforations: From 4948 To 5475		Well No. #1A (MV)
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5450	Perforations: From To		Unit 7
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual				Packer Set At 3034		County San Juan
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		State New Mexico
L	H	Gg 0.675	% 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							859				7 Days
1.	Choke		0.750	296		71					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		308	0.9896	0.9427	1.030	3659
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	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 871	P _c ²				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.9689$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6621$
NO.	P _f ²	P _w	P _w ²	P _c ² - P _w ²		
1	94864	611	373321	385320		
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6082$

Oil

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope θ _____	Slope, n _____
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Remarks: 4.500 Liner From 2990 to 5582. The Well Produced 492 MCF Gas During The Test.

Approved By Commission:	Conducted By: Jim Thurstonson	Calculated By: H.E. McAnally	Checked By:
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