

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL.

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 3-25-81			
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 3-11-81		Total Depth 5645		Plug Back TD 5627		Elevation 6343 G.L.		Farm or Lease Name Sunray D	
Csg. Size 7.000	Int. 20	d 6.456	Set At 3291	Perforations From 2964 To 3066		Well No. #2R			
Fig. Size 1.660	Int. 2.4	d 1.380	Set At 3057	Perforations To		Unit A		Sec. 21	Twp. 30
Type Well - Single - Brindanhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3152		County San Juan			
Producing Thru Csg.		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.625	% 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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI							798		798		14 Days
1.	Choke		0.750	81		58	97				
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sc}	Rate of Flow Q, Mcf/d
1	12.365		93	1.0019	0.9798	1.007	1137
2.							
3.							
4.							
5.							

NO.	P _t	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	XXXXXX
3.					Specific Gravity Flowing Fluid	XXXXXX
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P ₁	P ₂	P ₃	P ₄	P ₅	(1) $\frac{P_c^2}{P_1^2 - P_2^2} =$	(2) $\left[\frac{P_c^2}{P_1^2 - P_2^2} \right]^n =$
1	810	656100				1.0184	1.0157
2							
3							
4							
5							

Absolute Open Flow		1155	Mcf @ 15.025	Angle of Slope	Slope, n	0.85
--------------------	--	------	--------------	----------------	----------	------

Remarks: Vented 193 MCF Gas During The Test

Approved by Division	Conducted by Bobby Easterling	Calculated by H. E. McNally	Checked by
----------------------	----------------------------------	--------------------------------	------------