

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 8-27-80				
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company					
Pool Aztec				Formation Pictured Cliff				Unit	
Completion Date 8-13-80		Total Depth 5582		Plug Back TD 5564		Elevation 6274 GR		Farm or Lease Name Sunray J	
Csg. Size 7.000	Wt. 20.0	d 6.456	Set At 3158	Perforations: From 2848 To 2980			Well No. #1A (PC)		
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 2952	Perforations: From To			Unit #1	Sec. Twp. Rge. 7 30 10	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual					Packer Set At		County San Juan		
Producing Thru Csg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	Gg 0.640	% 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							665		668		14 Days
1.	Choke		0.750	194		61	197				3 Hr.
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		206	0.9990	0.9682	1.019	2511
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

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1043$	(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0880$
1		209	43681	418719		
2						
3						
4						
5						

Absolute Open Flow 2732 Mcfd @ 15.025				Angle of Slope θ		Slope, n 0.85	
Remarks: Gas Vented During The Test. 400 MCF							
Approved By Commission:		Conducted By: Jimmy Thurstonson		Calculated By: H.E. McAnally		Checked By:	