

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-2-81			
Company El Paso Natural Gas Co.				Connection El Paso Natural Gas Company					
Well Aztec				Formation Pictured Cliffs				Unit	
Completion Date 3-26-81		Total Depth 2964		Plug Back TD 2947		Elevation 6273 GL		Form or Lease Name GAGE	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 2964	Perforations: From 2804 To 2921		Well No. #3			
Tbg. Size 1.660	Wt. 2.4	d 1.380	Set At 2888	Perforations: From To		Unit E	Sec. 20	Twp. 30	Rge. 10
Type Well - Single - Bronckhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
L	H	G _g	% 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	
51							490		490		7 Days
1.											
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1							
2							
3							
4							
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	P.S.I.A.	P.S.I.A.
1												
2												
3												
4												
5												

NO.	P _r	P _w	P _r ²	P _w ²	(1) $\frac{P_c^2}{P_r^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n =$
1						
2						
3						
4						
5						

NO.	P _r	P _w	P _r ²	P _w ²	AOF = Q $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n =$
1					
2					
3					
4					
5					

Absolute Open Flow		Mcfd @ 15.025	Angle of Slope	Slope, n
Remarks:				
Approved by Division	Conducted By	Calculated By	Checked By	
		H. E. McAnally		