

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 2-25-81	
Company El Paso Natural Gas Company				Connection El Paso Natural Gas Company	
Pool Blanco				Formation Mesa Verde	
Completion Date 2-14-81		Total Depth 6116		Plug Back TD 6098	
				Elevation 6652 G.L.	
Farm or Lease Name San Juan 28-7 Unit				Unit San Juan 28-7	
Csq. Size 7.000	Wt. 20	d 6.456	Set At 3739	Perforations: From *5063 To 6047	
Well No. #33A					
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 6028	Perforations: From To	
Unit J				Sec. 13	Twp. 28
Range 7					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Dual				Packer Set At 3618	
County Rio Arriba					
Producing Thru Tbg.		Reservoir Temp. °F #		Mean Annual Temp. °F	
				Baro. Press. - P _a 12	
State New Mexico					
L	H	Gg 0.650	% 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							825				11 Days
1.	Choke	0.750		246		63					
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1							
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 _____
3					Specific Gravity Flowing Fluid _____
4					Critical Pressure _____ P.S.I.A.
5					Critical Temperature _____ R

NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.6736$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.4714$
1	66564	531	281961	418608		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4610$			
Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope _____	
		Slope, n _____ 0.75	

Remarks: _____	
*4,500" Liner From 3613 to 6116	
Vented 433 MCF Gas During the Test.	

Approved By Division	Conducted By: Norman Wagner	Calculated By: H. E. McAnally	Checked By:
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