

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2080
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 9-30-81	
Company El Paso Natural Gas Company		Connection El Paso Natural Gas Company	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-11-81		Total Depth 8092	Plug Back TD 8084
		Elevation 6841	
Csg. Size 9.625		Wt. 40	d 8.835
		Set At 3975	Perforations From *5227 To 6178
Tub. Size 1.900		Wt. 2.9	d 1.610
		Set At 6151	Perforations From To
Type Well - Single - Broadhead - G.C. or G.O. Multiple G. G. Dual		Packer Set At 6225	
Producing Thru Csg.		Reservoir Temp. °F p	Mean Annual Temp. °F p
		Baro. Press. - P _a 12	
L		R	G _g
		.660	
% CO ₂		% N ₂	% H ₂ S
Prover		Meter Run	Taps
FLOW DATA			
NO.	Prover Line Size	X	Orifice Size
1.			.750
2.			
3.			
4.			
5.			
TUBING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	** 292	66	19 Days
2.	275		3 Hours
3.			
4.			
5.			
CASING DATA			
NO.	Press. p.s.i.g.	Temp. °F	Duration of Flow
1.	935		
2.	679		
3.			
4.			
5.			
RATE OF FLOW CALCULATIONS			
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m
1.	12.365		691
2.			
3.			
4.			
5.			
NO.	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}
1.	.9943	.9535	1.078
2.			
3.			
4.			
5.			
NO.	R _g	Temp. °R	T _g
1.			
2.			
3.			
4.			
5.			
Gas Liquid Hydrocarbon Ratio _____ A.P.I. Gravity of Liquid Hydrocarbons _____ Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ Critical Temperature _____			
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{896809}{412393}$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7908$ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 15637$			
NO.	P _c	P _w	P _c ² - P _w ²
1.	696	484416	412393
2.			
3.			
4.			
5.			
Absolute Open Flow		15,637	Well # 45,025
Angle of Slope			Slope, n .75
* 7.000" Liner 3828' - 6366' * 4.500" Liner 6251' - 8092' ** Tubing Logged Off			
Approved by Division		Conducted By John Easley	Calculated By Ed Mabe
		Checked By	

