

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 3-10-82									
Company El Paso Natural Gas Company		Connection El Paso Natural Gas Company									
Pool Blanco		Formation Pictured Cliffs									
Completion Date 2-24-82		Total Depth 4644									
Plug Back TD 4610		Elevation 5774 GL									
Form or Lease Name Warren											
Csg. Size 7.625	Wt. 26.4	d 6.969	Set At 2371	Perforations: From *2162 To 2222	Well No. #2						
Trq. Size 1.660	Wt. 2.3	d 1.380	Set At 2235	Perforations: From To	Unit K						
Type Well - Single - Blindhead - G.C. or G.O. Multiple G. G. Dual					Packer Set At 2280						
Producing Thru Csg.					Baro. Press. - P _a 12						
State New Mexico											
L	H	G _g .670	% CO ₂	% N ₂	% H ₂ S						
Prover											
Meter Run											
Taps											
FLOW DATA											
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	Duration of Flow
SI							290		290		14 Days
1.			.750	1		58	1		6		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	12.365		13	1.0019	.9463	1.000	152				
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 _____ XXXXXXXXXX						
3.					Specific Gravity Flowing Fluid _____ XXXXX						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c	302	P _c ²	91204								
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_t^2 - P_w^2} = \frac{91204}{90880}$ (2) $\left[\frac{P_c^2}{P_t^2 - P_w^2} \right]^n = 1.0030$						
1		18	324	90880							
2											
3											
4					AOF = O $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 152$						
5											
Absolute Open Flow 152 Mcfd @ 15.025					Angle of Slope 85						
Remarks: *5.500" Liner - 2296' - 4639'											
Gas Vented During Test											
Approved by Division			Conducted By: Tom McAndrew			Calculated By: Ed Mabe			Checked By:		