

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		4-30-81					
Company						Connection									
El Paso Natural Gas Company						El Paso Natural Gas Company									
Well						Formation									
Blanco						Mesa Verde									
Completion Date			Total Depth			Plug Back TD			Elevation						
4-25-81			5020			5002			5716 GR						
Csg. Size		ID		Set At		Perforations		From		To					
7		20		6.456		2692		4335		4904					
Tub. Size		ID		Set At		Perforations		From		To					
2 3/8"		4.7		1.995		4894									
Type Well - Single - Bronthead - G.G. or G.O. Multiple						Packer Set At			County						
Single									San Juan						
Producing Thru TBG.			Reservoir Temp. °F			Mean Annual Temp. °F			Baro. Press. - P _a						
			p						12						
L			H			G _v			% CO ₂						
G _v			% CO ₂			% N ₂			% H ₂ S						
Prover			Water Run			Taps									
FLOW DATA						TUBING DATA			CASING 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							400		1037		7 Days				
1.															
2.															
3.															
4.															
5.															
RATE OF FLOW CALCULATIONS															
NO.	Coefficient (24 Hour)	$\sqrt{f_w P_{in}}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Rate of Flow									
1						Compress. Factor F _{cp}									
2						O. Mcd									
3															
4															
5															
NO.	P _i	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf, bbl.										
1					A.P.L. Gravity of Liquid Hydrocarbons _____ Deg.										
2					Specific Gravity Separator Gas _____ X 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 _i	P _e	P _w	P _i ² - P _e ²	(1) $\frac{P_e^2}{P_i^2 - P_e^2} =$ _____ (2) $\left[\frac{P_e^2}{P_i^2 - P_e^2} \right]^n =$ _____										
1															
2															
3															
4															
5															
Absolute Open Flow _____ MCF @ 15.025					Angle of Slope θ _____					Slope, n _____					
Remarks: _____															
Approved by Division				Conducted By				Calculated By				Checked By			
				Loren Eothergill				D. E. Hoodnick							