

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 12/4/73	
Company Southern Union Production Co.				Connection Southern Union Gas Company	
Pool Blanco				Formation Mesaverde	
Completion Date 10/19/73		Total Depth 6195		Elevation 7225	
Csg. Size 5.500		Wt. 15.50		Set At 6190	
Tbg. Size 1.900		Wt. 2.90		Set At 5965	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual - Gas - Gas				Packer Set At 5790	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F 12	
Baro. Press. - P _a 12		County Rio Arriba		State New Mexico	
L 5946		H 0.700		G _g 0.700	
% 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
SI	2"		3/4"				1183				31 Days
1.							108	53°			3 Hours
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	12.3650		120	1.0068	0.9258	1.013	14.01
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ 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

P _c 1195	P _c ² 1,428,025	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = \underline{1.1202}$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = \underline{1.0888}$
NO.	P _t ²	P _w	P _w ²
1			153,190
2			1,274,835
3			
4			
5			

Absolute Open Flow 1525 _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			
Approved By Commission:		Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy
		Checked By:	