

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 12/11/74	
Company Southern Union Production Co.				Connection Southern Union Gas Company	
Pool Tapacito				Formation Pictured Cliffs	
Completion Date 11/25/74		Total Depth 3910		Elevation 7174 Gr	
Csg. Size 4.500		Set At 3909		Perforations: From 3804 To 3828	
Tbg. Size 1.900		Set At 3744		Perforations: From No Perforations To 	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F @		State New Mexico	
L 3732		H 0.620		Prover 12	
Gg 0.620		% CO ₂		% N ₂	
Gg		% H ₂ S		Prover	
Water 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"				431		431		8 Days
1.							108	58°	331		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 F _t	Gravity Factor F _g	Super Compress. Factor F _{sp}	Rate of Flow Q, Moid
1	12.3650		120	1.0019	0.9837	1.009	1476
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1										
2										
3										
4										
5										

P _c 443	P _c ² 196,249	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.4968$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1765$
NO.	P _t ²	P _w	P _w ²
1		343	117,649
2			
3			
4			
5			

Absolute Open Flow 3213		Moid @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:				
Approved By Commission:				
Conducted By: Kenneth E. Roddy		Calculated By: Kenneth E. Roddy		Che. Fed By: