

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: 10/28/71		NOV 1 1971 OIL CON. COM. DIST. 3	
Company: Southern Union Production Co.				Company: Southern Union Gas Company			
Well Name: Undesignated				Location: Gallup			
Date: 10/13/71		Pressure: 8350		Pressure: 8319		Pressure: 7243	
Well No. 7-625		Well No. 26-40		Well No. 5-969		Well No. 4076	
Perforations: From 7610 To 7634		Perforations: From 7542 To 7600		Perforations: From 7542 To 7600		Perforations: From 7542 To 7600	
Well No. 12		Well No. 12		Well No. 12		Well No. 12	
Type Well - Circle - (Broadhead) - (G) or (G) or (G) or (G)		Dual - Gas - Gas		7247		Rio Arriba	
Producing Form: Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - 12	
7580		0.700				New Mexico	
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.
1	2"		3/4"				909
2							150
3							190
4							207
5							516
RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Factor F _{pv}	Rate of Flow	
1							
2	12.2650	172	1.0108	0.9058	1.002	2034	
3							
4							
5							
NO.	P _r	Temp. °F	Gas Liquid Hydrocarbon Ratio		A.P.G. Gravity of Liquid		
1					Specific Gravity Separator Gas		
2					Specific Gravity Flowing Fluid		
3					Critical Pressure		
4					Critical Temperature		
5							
1	921	P _r 848.241					
2		828	685.584	162.657			
3							
4							
5							
$A = \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 7019$							
Absolute Temp. (°F) 7019 Moid @ 15.025 Angle of Slope Slope, n 0.75							
Remarks:							
Approved By Commission:		Conducted By: Kenneth E. Roddy		Calculated By: Kenneth E. Roddy		Checked By: Kenneth E. Roddy	