

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 8/29/68	
Company SOUTHERN UNION PRODUCTION CO.		Connection SOUTHERN UNION GAS COMPANY	
Pool SOUTH BLANCO		Formation PICTURED CLIFFS	
Completion Date 8/8/68	Total Depth 7530	Plug back TD 7490	Elevation 6665
Perforations: From 3052 To 3118		Well No. 12	
Perforations: From 3090 To 3098	Unit Sec. Twp. Rge. D 35 26N 5W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS		Packer Set At 7178	County RIO ARriba
Producing Thru TUBING	Reservoir Temp. °F 8	Mean Annual Temp. °F 12	State NEW MEXICO
L 3078	H .700	Gg .700	% CO ₂ % N ₂ % H ₂ S Prover Meter Run Cts.

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"				1014		1022		19 DAYS
1.							174	53°	552		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12,3650		186	1.0068	.9258	1.022	2,191
2							
3							
4							
5							

NO.	P _t	Temp. SEP 3 1968	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R							

P _c 1034	P _c ² 1,069,156		
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1	564	318,096	751,060
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.4235$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2958$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3500$$

Absolute Open Flow 2958 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		
Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY
		Checked By: KENNETH E. RODDY

