

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 7/1/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY			
Pool BASIN				Formation DAKOTA			
Completion Date 6/15/68		Total Depth 8036		Plug Back TD 8020		Elevation 6933	
Csg. Size 7.625		Wt. 26.40		Set At 3705		Perforations: From 7900 To 7980	
Tbg. Size 5.500		Wt. 15.30		Set At 8037		Perforations: From 7891 To 7899	
Well No. 9		Unit C		Sec. 14		Twp. 26N Rge. 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7660		County RIO ARriba	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F @		Baro. Press. - P _a 12	
State NEW MEXICO		Prover 7879		Meter Run .700		Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
1.	2"		3/4			2190	12 DAYS
2.						377	3 HOURS
3.						69°	
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		389	.9915	.9258	1.045	4614
2.							
3.							
4.							
5.							
NO.	P _t	Temp. °R	T _f	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		
NO.	P _t	P _w	P _c	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.7354$		
1	151,321	2,054,693	2,794,111		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5120$		
2					AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6976$		
3							
4							
5							
Absolute Open Flow 6976 Mcfd @ 15.025				Angle of Slope θ .75		Slope, n _____	
Remarks: _____							
Approved By Commission:		Conducted By: KENNETH E. RODDY		Calculated By: KENNETH E. RODDY		Checked By: KENNETH E. RODDY	

