

Form C-122
Revised 9-1-65

Type Test		☒ Initial		☐ Annual		☒ Special		Test Date		12-30-80													
Company				Connection																			
Amoco Production Company				Southern Union Gas Company																			
Pool				Formation				Unit															
Basin				Dakota																			
Completion Date			Total Depth		Plug Back TD		Elevation		Farm or Lease Name														
12-10-80			6637		6590		6007		Fred Feasel "J"														
Csg. Size		Wt.		d		Set At		Perforations:		Well No.													
4.500		10.5		4.052		6637		From 6410 To 6544		1E													
Tub. Size		Wt.		d		Set At		Perforations:		Unit Sec. Twp. Rge.													
2.375		4.7		1.995		6537		From open To ended		0 34 28N 10W													
Type Well - Single - Bradenhead - G.G. or G.O. Multiple						Packer Set At			County														
single						none			San Juan														
Producing Thru tubing			Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State														
			p						New Mexico														
L		H		G _g		% CO ₂		% N ₂		% H ₂ S													
										Prover													
										Meter Run													
										Taps													
FLOW DATA						TUBING DATA			CASING DATA														
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		Duration of Flow	
SI		19 days												488				800				3 hrs	
1.		2.375				.750								50				490					
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 _{sc}		Rate of Flow									
1		12.365				62		1.000		.9258		1.007		75									
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 X											
3.										Specific Gravity Flowing Fluid		X X X X X											
4.										Critical Pressure		P.S.I.A.											
5.										Critical Temperature		R											
P _c		812		P _c ²		659344																	
NO.		P _t		P _w		P _w ²		P _c ² - P _w ²		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6186$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4350$											
1				502		252004		407340															
2																							
3																							
4																							
5																							
AOF = Q										$\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1026$													
Absolute Open Flow		1026								Mcf @ 15.025		Angle of Slope θ											
												Slope, n = .75											
Remarks:		medium oil spray lite H ₂ O																					
Approved By				Conducted By				Calculated By				Checked By											