

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 10/7/74	
Company Southern Union Production Co.				Connection Southern Union Gathering Company	
Pool Fulcher Kutz				Formation Pictured Cliffs	
Completion Date		Total Depth 1830		Plug Back TD 1818	
				Elevation 5651 GL	
Csg. Size 2.875	Wt. 6.50	d 2.441	Set At 1828	Perforations: From 1760 To 1796	
Tbg. Size 1.660	Wt. 2.33	d 1.380	Set At 1750	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At	
Producing Thru Tubing		Reservoir Temp. °F a		Baro. Press. - P _a 12	
				County San Juan	
				State New Mexico	
L	H	Gg 0.620	% CO ₂	% N ₂	% H ₂ S
					Prover
					Meter 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"				191		191		7 Days
1.							40	61°	144		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		52	0.9990	0.9837	1.000	632
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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

P _c 203	P _c ² 41,209			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.4423}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.1361}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		156	24,336	16,873	
2					
3					
4					
5					

Absolute Open Flow 1,350 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission:		Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy
		Checked By:	