

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 11/9/73	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool Tapacito				Formation Pictured Cliffs		Unit
Completion Date 11/1/73		Total Depth 3850		Plug Back TD 3806		Elevation 7092 GL
Csg. Size 4.500	Wt. 11.60	d	Set At 3849	Perforations: From 3765 To 3796		Well No. 12
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 3748	Perforations: From 3740 To 3748		Unit F Sec. 29 Twp. 26N Rge. 3 W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At - ----		County Rio Arriba
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
State New Mexico						
L 3729	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"				813		815		10 Days
1.							147	54°	583		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		159	1.0058	0.9837	1.014	1972
2.							
3.							
4.							
5.							

NO.	P _r	Temp. R	T _r	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		

RECEIVED NOV 21 1973 OIL CON. COM. DIST. 3			
P _c 827	P _c ² 683,929		
NO.	P _c ²	P _w	P _w ²
1		595	354,025
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0731$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3665$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.8583$

Absolute Open Flow 3665 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: