

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 11/24/74	
Company Southern Union Production Co.				Connection Southern Union Gas Company		
Pool Tapacito				Formation Pictured Cliffs		Unit
Completion Date 11/12/74		Total Depth 4000		Plug Back TD 3958		Elevation 7218 GR.
Csg. Size 4.500		Wt. 10.50		d 4.052		Set At 3999
Thg. Size 1.900		Wt. 2.90		d 1.610		Set At 3806
Perforations: From 3910 To 3934				Well No. 19		
Perforations: From NO PERFORATIONS				Unit Sec. Twp. Rge. D 24 26N 4W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12
County Rio Arriba		State New Mexico				
L 3794	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"				572		571		7 Days
1.							125	57°	396		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	12.365		137	1.0029	0.9837	1.011	1690
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 584 P _c ² 341,056				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		408	166,464	174,592
2				
3				
4				
5				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.9534$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.7667$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2986$$

Absolute Open Flow 2986 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:		