

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 11/15/76	
Company Southern Union Production Co.				Connection Gas Company of New Mexico	
Pool Tapacito				Formation Pictured Cliffs	
Completion Date 11/2/76		Total Depth 3975		Plug Back TD 3951	
Elevation 7084 GL		Farm or Lease Name Jicarilla "C"			
Csg. Size 3.50	Wt. 9.30	d 2.992	Set At 3975	Perforations: From 3803 To 3853	
Thg. Size 1.900	Wt. 2.90	d 1.610	Set At 3803	Perforations: From 3799 To 3803	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F @		Baro. Press. - P _a 12	
Mean Annual Temp. °F @		State New Mexico			
L 3787	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"				1009		1009		9 Days
1.							173	42°	734		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		185	1.0178	0.9837	1.017	2329
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/lbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____
3.					Specific Gravity Flowing Fluid _____
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1021	P _c ² 1,042,441	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{2.1453}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.9132}{}$
NO.	P _t ²	P _w	P _w ²
1		746	556,516
2			
3			
4			
5			

Absolute Open Flow 4456 Mcfd @ 15.025		Angle of Slope ϕ _____	Slope, n 0.85
Remarks: _____			
Approved By Commission:	Conducted By: John Rector	Calculated By: Kenneth E. Roddy	Checked By: