

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 12/5/74	
Company Southern Union Production Co.		Connection Southern Union Gas Company	
Pool Tapacito		Formation Pictured Cliffs	
Completion Date 11/20/74		Total Depth 3995	Plug Back TD 3941
Elevation 7204 Gr.		Farm or Lease Name Jicarilla "D"	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3998
Perforations: From 3864 To 3894		Well No. 15	
Tbg. Size 1.900	Wt. 2.90	d 1.610	Set At 3665
Perforations: From No Perforations		Unit Sec. Twp. Rge. C 30 26N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ---	
Producing Thru Tubing		Reservoir Temp. °F @	
Mean Annual Temp. °F 12		Baro. Press. - P _a ---	
County Rio Arriba		State New Mexico	
L 3653	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"				549		550		10 Days 3 Hours
1.							66	57°	449		
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, Fov	Rate of Flow Q, Mcfd
1	12.3650		76	1.0029	0.9837	1.000	952
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 _____ Deq.
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 562	P _c ² 315,844					
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.0569$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5851$
1		461	212,521	103,323		
2						
3						
4						
5						

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2461$	
Absolute Open Flow 2461	Mcf/d @ 15.025 Angle of Slope @ _____ Slope, n 0.85
Remarks: _____	

Approved By Commission:	Conducted By: Kenneth E. Roddy	Calculated By: Kenneth E. Roddy	Checked By:
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