

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 11/23/74	Total Depth 3975	Plug Back TD 3900	Elevation 7168 Gr.
Farm or Lease Name Jicarilla "D"			Well No. 14
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3972
Perforations: From 3828 To 3858		Well No.	
Teg. Size 1.900	Wt. 2.90	d 1.610	Set At 3728
Perforations: From No Perforations To 		Unit Sec. Twp. Rge. I 29 26N 3W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At ---	
Producing Thru Tubing		County Rio Arriba	
Reservoir Temp. °F @		State New Mexico	
Mean Annual Temp. °F 		Baro. Press. - P _a 12	
L 3716	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.	
SI	2"		3/4"				807		807	
1.							184	55°	598	
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		196	1.0048	0.9837	1.016	2434
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 819	P _c ² 670,761			
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		610	372,100	298,661
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2459$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4841$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.9891$

Absolute Open Flow 4841	Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n 0.85
Remarks: _____			

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