

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 8/12/68			
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY					
Pool TAPACITO				Formation PICTURED CLIFFS				Unit	
Completion Date 7/15/68		Total Depth 8222		Plug Back TD 8196		Elevation		Farm or Lease Name JICARILLA "E"	
Csg. Size 7-5/8"	Wt. 26.40	d 6.969	Set At 4034	Perforations: From 3804 To 3826		Well No. 9			
Tbg. Size 1.900	Wt. 2.75	d 1.610	Set At 3810	Perforations: From 3802 To 3810		Unit Sec. Twp. Rge. B 16 26N 4W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS						Packer Set At 7900		County RIO ARriba	
Producing Thru TUBING		Reservoir Temp. °F a		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO	
L 3798	H	G _q .700	% 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"				575		570		27 DAYS 3 HOURS
1.							143	55°	486		
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		155	1.0048	.9258	1.018	1815
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	Oil Tr CON. COM. DIST. 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.				Specific Gravity Separator Gas _____ XXXXXXXXXX
3.				Specific Gravity Flowing Fluid _____ XXXXX
4.				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.				Critical Temperature _____ R _____ R

P _c 587	P _c ² 344,569	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{3.5683} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{2.9695}$	
NO.	P _t ²	P _w	P _w ²
1		498	248,004
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5,390}$	
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Absolute Open Flow 4,712 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .85
Remarks: _____		
Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY
		Checked By: KENNETH E. RODDY