

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

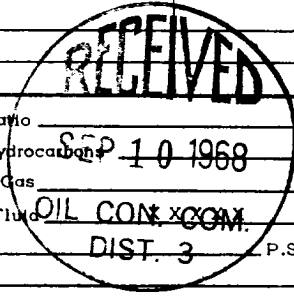
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/5/68			
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY					
Pool SOUTH BLANCO				Formation PICTURED CLIFFS				Unit	
Completion Date 8/18/68		Total Depth 7617		Plug Back TD 7570		Elevation 6712		Farm or Lease Name JICARILLA "J"	
Gas Size 7.625	Wt. 26.40	d 6.969	Set At 3393	Perforations: From 3122 To 3192		Well No. 13			
Gas Size 4.500	Wt. 10.50	d 4.052	Set At 3205-7575	Perforations: From 3148 To 3156		Unit Sec. Twp. Rge. 1 36 26N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7246		County RIO ARriba			
Producing Thru TUBING		Reservoir Temp. °F 8		Mean Annual Temp. °F 12		Baro. Press. - P _a 12		State NEW MEXICO	
L 3136	H	Gg .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"				1001		1001		17 DAYS 3 HOURS
1.							151	56°	483		
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		163	1.0039	.9258	1.020	1,911
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 Hydrocarbon	
2					Specific Gravity Separator Gas	X X X X X X X X
3					Specific Gravity Flowing Fluid	
4					Critical Pressure	P.S.I.A.
5					Critical Temperature	R



P _c 1013	P _c ² 1,026,169					
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1		495	245,025	781,144	1.3137	1.2609
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,410$

Absolute Open Flow 2,410 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
-------------------------	--	---	--

