

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

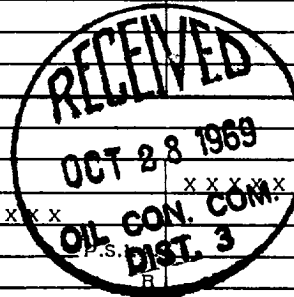
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/24/69	
Company SOUTHERN UNION PRODUCTION COMPANY				Connection SOUTHERN UNION GAS COMPANY	
Pool SOUTH BLANCO				Formation PICTURED CLIFFS	
Completion Date 9/29/69		Total Depth 7705		Plug Back TD 7675	
Elevation 6830 R.K.B.		Farm or Lease Name JICARILLA #K			
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7704	Perforations: From 3214 To 3284	
Tbg. Size 1.900	Wt. 2.75	d 1.610	Set At 3237	Perforations: From 3129 To 3237	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS-GAS				Packer Set At 7301	
Producing Thru TUBING		Reservoir Temp. °F @		Baro. Press. - P _a 12	
Mean Annual Temp. °F @		County RIO ARriba			
State NEW MEXICO					
L 3117	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.	
1	2"		3/4"				972		973	
2							164	55°	507	
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		176	1.0048	0.9258	1.021	2,067
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	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.
5					Critical Temperature	R



P _c 985	P _c 970,225	
NO.	P _r ²	P _w ²
1	519	269,361
2		700,864
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.3843$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.3184$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2,725$$

Absolute Open Flow 2,725	Mcf/d @ 15.025	Angle of Slope @	Slope, n 0.85
Remarks:			

Approved By Commission:	Conducted By: VAL A. RIPPER	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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