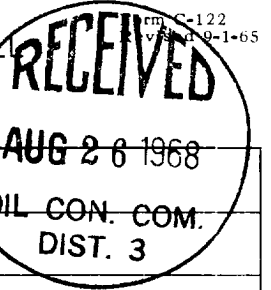


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8/22/68	
Company SOUTHERN UNION PRODUCTION CO.				Connection SOUTHERN UNION GAS COMPANY			
Pool SOUTH BLANCO				Formation PICTURED CLIFFS			
Completion Date 8/3/68		Total Depth 7589		Plug Back TD 7552		Elevation 6642	
Farm or Lease Name JICARILLA 'U'							
Csg. Size 5.500	Wt. 15.50	d 4.950	Set At 7588	Perforations: From 3134 To 3150		Well No. 11	
Tbg. Size 1.900	Wt. 2.75	d 1.610	Set At 3131	Perforations: From 3123 To 3131		Unit Sec. Twp. Rje. J 25 26N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 7100		County RIO ARriba	
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
State NEW MEXICO							
L 3111	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	
1.	2"		3/4"				953		953		17 DAYS
2.							238	56°	673		3 HOURS
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		250	1.0039	.9258	1.029	2956
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl.
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 965	P _c ² 931,225		
NO.	P _i ²	P _w	P _w ²
1		685	469,225
2			462,000
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \underline{2.0156} \quad (2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{1.8144}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{5,363}$$

Absolute Open Flow 5,363 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
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