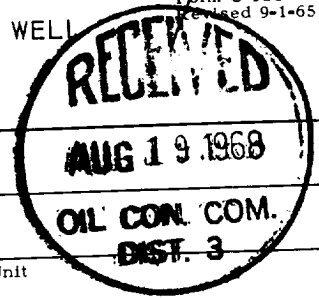


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 8/15/68	
Company SOUTHERN UNION PRODUCTION CO.		Connection SOUTHERN UNION GAS COMPANY	
Pool BASIN		Formation DAKOTA	
Completion Date 8/3/68		Total Depth 7589	Plug Back TD 7552
Elevation 6642		Farm or Lease Name JICARILLA "J"	
Csg. Size 5.500	Wt. 15.50	Set At 7588	Perforations: From 7290 To 7424
Thg. Size 1.900	Wt. 2.90	Set At 7372	Perforations: From 7364 To 7372
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS		Packer Set At 7100	Well No. 11
Producing Thru TUBING		Reservoir Temp. °F 12	Baro. Press. - P _a 12
Mean Annual Temp. °F 7352		County RIO ARriba	State NEW MEXICO
L 7352	H	G _g .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"				2212				9 DAYS
1.							399	60°			3 HOURS
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		411	1.0000	.9258	1.050	4940
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcft/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 2224	P _c ² 4,946,176	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8222$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5683$
NO.	P _t ²	P _w	P _w ²
1	168,921		2,231,753
2.			
3.			
4.			
5.			

Absolute Open Flow 7,747 Mcfd @ 15.025		Angle of Slope ϕ _____	Slope, n .75
Remarks: _____			
Approved By Commission:	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY