

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 BASIN				Formation DAKOTA				Unit	
Completion Date 7/26/68		Total Depth 8315		Plug Back TD 8260		Elevation 7221		Farm or Lease Name JICARILLA "G"	
Casing Size 7-3/8		Wt. 26.40		d 6.969		Set At 4100		Perforations: From 8050 To 8220	
Tbg. Size 5-1/2"		Wt. 15.50		d 4.950		Set At 3624-8300		Well No. 4	
Tbg. Size 1.900		Wt. 2.90		d 1.610		Set At 8100		Perforations: From 8092 To 8100	
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 @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO	
L 8080		H .700		G _g		% 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"				2462				12 DAYS
1.							171	64°			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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		183	.9962	.9258	1.021	2,131
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	RECEIVED AUG 14 1968 OIL CON. COM. DIST. 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
				Specific Gravity Separator Gas _____ X X X X X X X X			
				Specific Gravity Flowing Fluid _____ X X X X X			
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.			
Critical Temperature _____ R _____ R							

P _c 2474 P _c ² 6,120,676						
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ 1.0790	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 1.0587
1	33,489		148,109	5,672,567		
2						
3						
4						
5						

Absolute Open Flow 2,258 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n .75	
Remarks: _____							
Approved By Commission:		Conducted By: KENNETH E. ROBBY		Calculated By: KENNETH E. ROBBY		Checked By: KENNETH E. ROBBY	