

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 8/8/69		AUG 11 1969 OIL CON. COM. DIST. 3	
Company SOUTHERN UNION PRODUCTION CO.				Connection EL PASO NATURAL GAS COMPANY			
Pool BASIN				Formation DAKOTA		Unit	
Completion Date 7/23/69		Total Depth 7085		Plug Back TD 6985		Elevation 6646	
Csg. Size 5.500		Wt. 15.50		Set At 4.950		Perforations: From 6926 To 6984	
Thg. Size 2.0625		Wt. 3.25		Set At 1.750		Perforations: From 6867 To 6875	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS				Packer Set At 6750		Farm or Lease Name JICARILLA "L"	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12	
TUBING 6857		Gg .700		% CO ₂		% N ₂	
H		Gg		% H ₂ S		Prover	
L		H		Meter Run		Taps	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.
1.	2"		3/4"				
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		287	0.9952	0.9258	1.032	3.374
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. _____ P.S.I.A.		
5.					Critical Temperature _____ R _____ R		
NO.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3361$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2427$			
1	82,369	992,225	2,951,971				
2.							
3.							
4.							
5.							
Absolute Open Flow 4,193 Mcfd @ 15.025				Angle of Slope θ _____		Slope, n 0.75	
Remarks: _____							
Approved By Commission:		Conducted By: KENNETH E. RODDY		Calculated By: KENNETH E. RODDY		Checked By: KENNETH E. RODDY	