

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 9/28/70				
Company SOUTHERN UNION PRODUCTION COMPANY				Connection EL PASO NATURAL GAS COMPANY					
Pool BASIN				Formation DAKOTA					
Completion Date 9/4/70				Total Depth 7060		Plug Back TD 7022			
Csg. Size 5.500		Wt. 15.50		Set At 7059		Perforations: From 6934 To 7002		Farm or Lease Name JICARILLA "N"	
Thg. Size 2.0625		Wt. 3.25		Set At 6770		Perforations: From 6762 To 6770		Well No. 2	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL GAS - OIL					Packer Set At 6770		County RIO ARriba		
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO	
L 6752		H		Gg 0.700		% 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"				1987				7 DAYS 3 HOURS
2.							221	51°			
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		233	1.0088	0.9258	1.029	2,769
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	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 _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	1999	3,996,001	445,359	3,550,642	1.1254	1.0926
2.						
3.						
4.						
5.						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ 3,025			
Absolute Open Flow 3,025 Mcfd @ 15.025		Angle of Slope θ _____	
		Slope, n 0.75	
Remarks: _____			

Approved By Commission: SEP 29 1970	Conducted By: JOHN SHIPLEY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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