

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

Form C-122
Revised 9-1-65

RECEIVED

DEC 30 1970

**OIL CON. COM
DIST.**

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/28/70					
Company SOUTHERN UNION PRODUCTION CO.						Connection SOUTHERN UNION GAS COMPANY					
Pool BASIN						Formation DAKOTA				Unit	
Completion Date 12/13/70				Total Depth 8400		Plug Back TD 8361		Elevation 7238		Farm or Lease Name JICARILLA "G"	
Csg. Size 7.625		Wt. 26.40		d 6.969		Set At 4150		Perforations: From 8136 To 8322		Well No. 10	
Tub. Size 1.900		Wt. 2.90		d 1.610		Set At 8246		Perforations: From 8238 To 8246		Unit Sec. Twp. Rge. B 12 26N 5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple DUAL - GAS - GAS						Packer Set At 8041		County RIO ARriba			
Producing Thru TUBING		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State NEW MEXICO			
L 8226		H		G _g 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	
SI	2"		3/4"				2335				10 DAYS
1.							156	52°			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		168	1.0078	0.9258	1.020	1,977
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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

P _c 2347	P _c ² 5,508,409	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0763$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0567$
NO.	P _t ²	P _w	P _w ²
1			390,374
2			5,118,035
3			
4			
5			

Absolute Open Flow 2,089 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
Remarks: _____			

Approved By Commission: DEC 30 1970	Conducted By: KENNETH E. RODDY	Calculated By: KENNETH E. RODDY	Checked By: KENNETH E. RODDY
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