

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Undesignated		Formation Gallup		County Rio Arriba	
Initial XX		Annual		Date of Test October 9, 1967	
Company Southern Union Production Company		Lease Jicarilla "J"		Well No. 10	
Unit I	Sec. 26	Twp. 26 North	Range 5 West	Purchaser Southern Union Gas Company	
Casing 5.500	Wt. 15.50	I.D. 4.950	Set at 7514	Perf. 6719	To 6725
Tubing 1.900	Wt. 2.75	I.D. 1.610	Set at 6723	Perf. 6715	To 6723
Gas Pay:	From 6719	To 6725	L 6705	G .700	GL 4694
				Bar. Press. 12	
Producing Through:		Casing	Tubing XX	Type Well - Single - Braden head - G.G. or G.O. Dual Gas Gas Dual	
Date of Completion 9/19/67		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI	2"	3/4"				2087		2085		16 days
1.						135	54	686		3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF P D @ 15,025 psia
1.	12.3650		147	1.0058	.9258	1.017	1,721
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____

Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____

F_c _____ (1 - e^{-S}) _____ P_c **2099** P_c² **4,405,801**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	F _c Q	(F _c Q) ²	(F _c Q) ² (1 - e ^{-S})	$\frac{P_w^2}{P_c^2}$	$\frac{P_c^2 - P_w^2}{P_c^2}$	Cal P _w	$\frac{P_w}{P_c}$
1.	698					487,204	3,918,597		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1,879** MCFPD: n **.75**

COMPANY **Southern Union Production Company** WITNESSED _____

ADDRESS **P. O. Box 808**
Farmington, New Mexico 87401 COMPANY _____

AGENT AND TITLE **Kenneth E. Roddy** Original signed by
Production Technician **Kenneth E. Roddy**

