

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

Form C-122
Revised 12-1-55

Well: Undesignated		Formation: Gallup		County: Rio Arriba	
Initial: XX		Annual:		Date of Test: 7/7/67	
Company: Southern Union Production Company		Lease: Jicarilla "A"		Well No.: 8	
Unit: E	Sec.: 23	Twp.: 26 North	Range: 4 West	Purchaser: Southern Union Gas Company	
Flowing: 5.500	Wt.: 17.00	I.D.: 4.892	Set at: 1269	Perf.: 7214	To: 7240
5.500	15.50	4.950	7955		
Flowing: 1.900	Wt.: 2.75	I.D.: 1.610	Set at: 7219	Perf.: 7211	To: 7219
Gas Pay: From 7214		To 7240		GL: 5053	Bar. Press.: 12
Producing Through:		Casing: XX		Type Well - Single - Braden head - G.G. or G.O. End	
Date of Completion: 6/22/67		Packer: 7620		Dual Gas - Gas	
Reservoir Temp.:					

OBSERVED DATA

Tested Through:								Type of Taps:		
Prover ☐ Choke ☒ Meter ☐										
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.	
1.	2"	3/4"				1377		1361		7 days 3 hours
2.						204	57	857		
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{a_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.	12.3650		216	1.0029	.9258	1.026	2.544
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 **1389** P_c² **1,929,321**

No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	$\frac{F_w}{P_c}$
1.	869					755,161	1,174,160		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **3,692** MCFPD; n **.75**

COMPANY **Southern Union Production Company** WITNESSED _____

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

AGENT AND TITLE **Kenneth E. Roddy, Production Technician**

Original signed by
Kenneth E. Roddy

