

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

Form O-122
Revised 12-1-55

Pool Otero		Formation Gallup		County Mio Arriba	
Initial XI		Annual		Date of Test 10/30/67	
Company Southern Union Production Company		Lease JICARILLA "L"		Well No. 2	
Unit 0	Sec. 10	Twp. 24 North	Range 5 West	Purchaser El Paso Natural Gas Company	
Casing 5.500	Wt. 15.50	I.D. 4.950	Set at 6997	Perf. 5790	To 6020
Tubing 2.0625	Wt. 3.25	I.D. 1.750	Set at 6071	Perf. 6063	To 6071
Gas Pay:	From 5790	To 6020	6053	.700	GL 4237
					Bar. Press. 12
Producing Through:		Casing	Tubing XI	Type Well - Single - Braden head - G.G. or G.O. Dual Dual - Gas - Oil	
Date of Completion 9/8/67		Packer		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.	
St	2"	3/4"				1340		1599		16 days
1.						123	57	480		3 hrs.
2.										
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{\frac{P_w}{P_t}}$	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		135	1.0029	.9258	1.015	1,573
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 **1611** P_c^2 **2,595,321**

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	$\frac{P_w}{P_c}$
1.	492					242,064	2,353,257		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **1,693** MCFPD: **.75**

COMPANY **Southern Union Production Company** WITNESSED _____

P. O. Box 808

ADDRESS **Farmington, New Mexico** COMPANY _____

AGENT AND TITLE **Wayne Warrington, Office Manager**

ORIGINAL SIGNED BY
WAYNE WARRINGTON

