

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

Form C-122
Revised 12-1-55

Pool Basin			Formation Dakota			County Mio Arriba		
Initial XX		Annual		Special		Date of Test 10/23/67		
Company Southern Union Production company			Lease Jicarilla "L"			Well No. 2		
Unit G	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. 6890		To 6938	
Tubing 2.0625	Wt. 3.25	I.D. 1.750	Set at 6865		Perf. 6857		To 6865	
Gas Pay:	From 6890	To 6938	L 6847	G .700	GL 4793	Bar. Press. 12		
Producing Through:			Casing		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual Dual - Gas - Oil	
Date of Completion 9/8/67			Packer 6723		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.	
1.	2"	3/4"				2117				32 days
2.						462	63			3 hrs.
3.										
4.										
5.										

FLOW CALCULATIONS							
No.	Coefficient (24 Hour)	$\sqrt{q_w P_t}$	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		474	.9971	.9258	1.060	5,735
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 13,239 (1-e ^{-S}) 0.294					P _c 2129 P _c ² 4,532,641				
No.	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	P _w P _c
1.	474	224,676	75,926	5,764,757	1,694,839	1,919,515	2,613,126	1,385	.6505
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **8,668** MCFPD: n **.75**

COMPANY **Southern Union Production Company** WITNESSED _____
P. O. Box 808

ADDRESS **Farmington, New Mexico 87401** COMPANY _____

AGENT AND TITLE **Layne Warrington, Office Manager** ORIGINAL SIGNED BY
WAYNE WARRINGTON

