

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

Form C-122

Revised 12-1-55

Pool		Formation		County	
Initial Basin		Annual		Special	
Company XX		Lease		Date of Test	
Southern Union Production Company		Newsom "B"		10/17/67	
Sec.		Twp.		Well No.	
		26 North		14	
Casing H		Range		Purchaser	
Wt. 9		8 West		El Paso Natural Gas Company	
I.D.		Set at		Perf.	
4.500		738 1/4		7140	
Wt. 10.50		Set at		To	
4.052		7222		7350	
I.D.		Perf.		To	
1.900		7214		7222	
From		To		Bar. Press.	
7140		7350		12	
Casing		Tubing		Type Well - Single - Braden head - G.G. or G.O. Dual	
720 1/4		.700		5043	
Producing Through:		XX			
Date of Completion		Packer		Reservoir Temp.	
9/29/67					

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										
1.	2"	3/4"				1939		1903		12 days
2.						350	68°	1177		3 hrs.
3.										
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	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.							
2.	12.3650		362	.9924	.9258	1.042	4,285
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 **1951** P_c² **3,806,401**

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.									
2.	1189					1,413,721	2,392,680		
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **6,070** MCFPD; n _____

COMPANY **Southern Union Production Company** WITNESSED **Clarence Wagner**

ADDRESS **P. O. Box 808 Farmington, New Mexico 87401** COMPANY **El Paso Natural Gas Company**

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