

**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 SAN JUAN	
Initial XX		Annual		Date of Test 11/3/67	
Company SOUTHERN UNION PRODUCTION CO.		Lease NEWSOM "A"		Well No. 6	
Sec. 15		Twp. 26 N		Range 8 W	
Casing 4.500		Wt. 10.50		I.D. 4.052	
Tubing 1.900		Wt. 2.90		I.D. 1.610	
From 7312		To 7460		Bar. Press. 12	
Gas Pay: 7312		L 7331		G .700	
Producing Through: XX		Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE - GAS			
Date of Completion 10/22/67		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.	
1.	2"	3/4"				2088		2050		7 DAYS
2.						450	55	1066		3 HOURS
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		462	1.0048	.9258	1.060	5,633
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 **2100** P_c² **4,410,000**

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	Calc. P _w
1.	1078					1,162,084	3,247,916	
2.								
3.								
4.								
5.								

ABSOLUTE POTENTIAL: **7,085** MCFPD; n **.75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED **HERMAN McANALLY**

ADDRESS **P. O. Box 808, FARMINGTON, N.MEX. 87401** COMPANY **EL PASO NATURAL GAS COMPANY**

AGENT AND TITLE **WAYNE WARRINGTON** ORIGINAL SIGNED BY
OFFICE MANAGER **WAYNE WARRINGTON**

