

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 II		Annual		Special	
Company Southern Union Production Co.		Lease Angel Peak "B"		Well No. 26	
Unit A	Sec. 25	Twp. 28 North	Range 11 West	Purchaser El Paso Natural Gas Company	
Casing 4-1/2	Wt. 10.50	I.D. 4.052	Set at 653 1/2	Perf. 6252	To 6443
Tubing 1-1/2	Wt. 2.90	I.D. 1.610	Set at 634 1/2	Perf. 633 1/2	To 634 1/2
Gas Pay:	From 6252	To 6443	L 632 1/2	G .700	GL 4427
					Bar. Press. 12
Producing Through:		Casing	Tubing II	Type Well - Single - Braden head - G.G. or G.O. Dual Single Gas	
Date of Completion 3/15/66		Packer		Reservoir Temp.	

OBSERVED DATA

Tested Through:		Prover ☐	Choke ☒	Meter ☐	Type of Taps	
FLOW DATA					TUBING DATA	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Duration OF FLOW HR.
1.						
2.						
3.						
4.						
5.						

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w p_f}$	Pressure psia	Flow Temp. Factor F _f	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
1.	12.3650		397	.9924	.9258	1.046	4.718
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 **1,764** P_c² **3,111,696**

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.	1413					1,996,569	1,115,127		.801
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **10,186** MCFPD; n **.75**

COMPANY **Southern Union Production Company** WITNESSED **Herman McAnally**
P. O. Box 806
 ADDRESS **Farlington, New Mexico** COMPANY **El Paso Natural Gas Company**

AGENT AND TITLE **Kenneth E. Lohley Jr. Mgr.**

