

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

Form C-122
Revised 12-1-55

Pool Resin			Formation Dakota			County San Juan		
Initial XX		Annual		Special		Date of Test 1/12/67		
Company Southern Union Production Company				Lease Hodges			Well No. 10	
Unit D	Sec. 28	Twp. 26 North	Range 8 West		Purchaser El Paso Natural Gas Company			
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 6856		Perf. 6596		To 6794	
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 6715		Perf. 6707		To 6715	
Gas Pay: From 6596		To 6794		L 6697		G .700		GL 4688
								Bar. Press. 12
Producing Through:		Casing		Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual Single - Gas		
Date of Completion 12/30/66		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.	
1.	2"	3/4"				1965		1953		10 days 3 hours
2.						274	66°	1010		
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 PD @ 15.025 psia
1.	12.3650		286	.9943	.9258	1.032	3.359
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 **1,977** P_c² **3,908,529**

No.	$\frac{P_w}{P_t}$ psia	P_t^2	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	$\frac{P_w^2}{P_t^2}$	$\frac{P_c^2 - P_w^2}{P_t^2}$	Cd $\frac{P_w}{P_t}$	$\frac{P_w}{P_c}$
1.	1.022					1.044,484	2,864,047		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **4,241** MCFPD; n **.75**

COMPANY **Southern Union Production Company** WITNESSED **Al Lolait**

ADDRESS **P. O. Box 808, Farmington, N.M.** COMPANY **El Paso Natural Gas Company**

AGENT AND TITLE **Kenneth E. Roddy - Production Technician** Original signed by
Kenneth E. Roddy