

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 I		Annual		Special		Date of Test 12/22/65
Company Southern Union Production			Lease Newton "B"		Well No. 10	
Unit G	Sec. 8	Twp. 26-North	Range 8 West		Purchaser El Paso Natural Gas Company	
Casing 4-1/2"	Wt. 10.50#	I.D.	Set at 6750		Perf. 6434	To 6650
Tubing 1-1/2"	Wt. 2.90#	I.D.	Set at 6525		Perf. 6517	To 6525
Gas Pay:	From 6434	To 6650	L 6507	G 0.700	GL 4555	Bar. Press. 120
Producing Through:		Casing	Tubing I		Type Well - Single - Braden head - G.G. or G.O. Dual Single	
Date of Completion		Packer	Reservoir Temp. P.B.T.D.		6713	

OBSERVED DATA

Tested Through:		Prover <input type="checkbox"/>	Choke <input type="checkbox"/>	Meter <input type="checkbox"/>	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.						2083		2043		11 days 3 hrs.
1.						220	68	851		
2.										
3.										
5.										

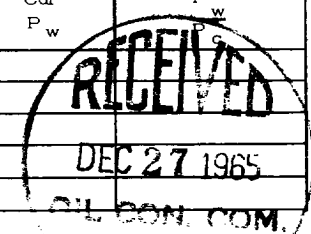
FLOW CALCULATIONS

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.							
2.	12,365		232	0.9924	0.9258	1.026	2,704
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 **2095** P_c² **4389,025**

No.	P _w 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
1.	863					744,769	3644,256		
2.									
3.									
4.									
5.									



ABSOLUTE POTENTIAL: **3,109** MCFPD; n **.75**

COMPANY **Southern Union Production** WITNESSED **Walter Cassida**
P. O. Box 808
 ADDRESS **Farmington, New Mexico** COMPANY **El Paso Natural Gas**
 AGENT AND TITLE **Benny E. Bechtol** Original Signed By **BENNY E. BECHTOL**
Petroleum Engineer