

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		Date of Test December 2, 1965	
Company Southern Union Production Co.		Lease NE 1/4 Sec 5 T26N R8W		Well No. 11	
Unit 1	Sec. 5	Twp. 26 North	Range 8 West	Purchaser El Paso Natural Gas Company	
Casing 5-1/2"	Wt. 17#	I.D. 4.892	Set at 6705	Perf. 6406	To 6628
Tubing 1-1/2"	Wt. 2.90#	I.D. 1.610	Set at 6514	Perf. 6505	To 6514
Gas Pay:	From 6406	To 6628	L 6495	G .700	GL 1547
					Bar. Press. 12
Producing Through:		Casing	Tubing X	Type Well - Single - Braden head - G.G. or G.O. Dual	
Date of Completion		Packer	Reservoir Temp. First Back T.D. 6650		

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.						2078		2060		9 days
2.						232	67	1086		3 hr.
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.	12.365		304	0.9933	0.9258	1.035	3,578
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio **1965** cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbon **CON. COM.** deg. Specific Gravity Flowing Fluid _____
 P_c **2090** P_c^2 **4,368,100**

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	$\frac{P_w}{P_c}$
1.	1098					1,205,604	3,162,196		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,558** MCFPD; n **.75**

COMPANY **Southern Union Production** WITNESSED **Don Horton**

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

AGENT AND TITLE **Benny E. Bechtol - Petroleum Engineer**

Original Signed By
BENNY E. BECHTOL