

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

Form C-122
Revised 12-1-55

Pool TAPACITO			Formation PICTURED CLIFFS			County RIO ARriba		
Initial XX		Annual		Special		Date of Test 11/14/66		
Company SOUTHERN UNION PRODUCTION COMPANY				Lease JICARILLA "D"			Well No. 10	
Unit H	Sec. 31	Twp. 26 N	Range 3 W		Purchaser SOUTHERN UNION GAS COMPANY			
Casing 5.500 5.500	Wt. 17.00 15.50	I.D. 4.892 4.950	Set at 1556 6819		Perf. 3863		To 3890	
Tubing 1.900	Wt. 2.900	I.D. 1.610	Set at 3883		Perf. 3875		To 3883	
Gas Pay:	From 3863	To 3890	L 3873	G .700	GL 2711	Bar. Press. 12		
Producing Through:		Casing	Tubing XX		Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE - GAS			
Date of Completion 11/6/66		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.				
SI	2"	3/4"				576		576		7 DAYS			
1.						117	58°	386		3 HOURS			
2.													
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		129	1.0019	.9258	1.014	1,500
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 **588** P_c² **345,744**

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.	398					158,404	187,340		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **2,525** MCFPD; n **.85**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED _____

ADDRESS **P. O. Box 808, FARMINGTON, N. MEX. 87401** Original signed by _____

AGENT AND TITLE **KENNETH E. RODDY, PROD. TECH.**

Kenneth E. Roddy

