

RECEIVED

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

Form C-122

Revised 12-1-55

Well		Basin		Formation		County			
XX		Dakota		Rio Arriba					
Date of Test		Special		Date of Test					
6/30/67									
Company		Lease		Well No.					
Southern Union Production Co.		Jicarilla "A"		8					
Sec.	Twp.	Range	Purchaser						
E	23	26 N	Southern Union Gas Company						
5.500	17.00	I.D.	Set at	Perf.	To				
			7955	7700	7872				
Taking	Wt.	I.D.	Set at	Perf.	To				
1.900	2.90	1.610	7628	7620	7628				
Gas Pay:	From	To	L	G	GL	Bar. Press.			
7700	7872	7620	.700	5334	12				
Producing Through:		Casing	Taking	Type Well - Single - Brader head - G.G. or G.C. Dual					
XX		XX	Dual - Gas - Gas						
Date of Completion		Packer	Reservoir Temp.						
6/22/67		7620							
OBSERVED DATA									
Tested Through:		Prover	Choke	Meter	Type of Taps				
			XX						
FLOW DATA				TUBING DATA		CASING DATA		DURATION OF FLOW HR.	
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. G.W.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.
1.	2"	3/4"				1745			
2.						160	68°		
3.									
4.									
5.									
FLOW CALCULATIONS									
No.	Coefficient (24 Hour)	$\sqrt{\frac{q}{w} \frac{P}{P_t}}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCFPD @ 15,025 psia		
1.	12.3650		172	.9924	.9258	1.019	1,991		
2.									
3.									
4.									
5.									
PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon Ratio _____ of/bbl.					Specific Gravity Separator Gas _____				
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____				
P_c 16.46 (1-e ^{-S}) 0.321					P_c 1757 P_c^2 3,087,049				
No.	$\frac{P_w}{P_t}$ psia	P_t^2	F_c	$(F_c Q)^2$	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal P_w	$\frac{P_w}{P_c}$
1.	172	29,584	32,772	1,074,004	344,755	374,339	2,712,710	612	.3483
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: 2,193 MCFPD; n .75

COMPANY SOUTHERN UNION PRODUCTION COMPANY WITNESSED

ADDRESS P. O. Box 808, Farmington, New Mexico COMPANY

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