

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

Form C-122

Revised 12-1-55

Pool			Formation GALLUP			County RIO ARriba			
Initial UNDESIGNATED		Annual		Special		Date of Test AUGUST 23, 1967			
Company XX			Lease JICARILLA #A			Well No. 8			
Oil SOUTHERN UNION PRODUCTION COMPANY			Range 4 W			Purchaser SOUTHERN UNION GAS COMPANY			
Casing E	Wt. 23	I.D. 26 N	Set at 4 W	Perf. 7214	To 7240				
5.500	17.00	4.892	1269	7214	7240				
Tubing 5.500	Wt. 15.50	I.D. 4.950	Set at 7955	Perf. 7211	To 7219				
1.900	2.75	1.610	7219	7211	7219				
From		To		GL		Bar. Press.			
7214		7240		7210		.700		5053	
Gas Pay:								12	
Producing Through:			Type Well - Single - Braden head - G.G. or G.O. Dual						
			XX			SINGLE - GAS			
Date of Completion 8/4/67			Packer			Reservoir Temp.			
OBSERVED DATA									
Tested Through:			Prover ☐ Choke ☒ Meter ☐			Type of Taps			
FLOW DATA						TUBING DATA		CASING DATA	
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"				1359		1360	
2.						224	58	924	
3.									
4.									
5.									
DURATION OF FLOW HR.									
17 DAYS									
3 HOURS									
FLOW CALCULATIONS									
No.	Coefficient (24 Hour)	$\sqrt{h_w F_t}$	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.									
2.	12.3650		236	1.0019	.9258	1.028	2,783		
3.									
4.									
5.									
PRESSURE CALCULATIONS									
Gas Liquid Hydrocarbon 15.025 cf/bbl.					Specific Gravity Separator Gas				
Gravity of Liquid Hydrocarbons					Specific Gravity Flowing Fluid				
P _c 1,882,384					P _c 1372 P _c 1,882,384				
DIST. 3									
No.	P _w P _t psia	P _t ²	F _g Q	(F _g Q) ²	(F _g Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal P _w	P P _c
1.									
2.	936					876,096	1,006,288		
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **4,431** MCFPD: **n .75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED

ADDRESS **P. O. Box 808, FARMINGTON, N.MEX.** COMPANY

AGENT AND TITLE **KENNETH E. RODDY** Original signed by
Kenneth E. Roddy