

**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 RIO ARRIBA	
Initial XX		Annual		Date of Test 10/17/66	
Company SOUTHERN UNION PRODUCTION COMPANY		Lease JICARILLA "JM"		Well No. 8	
Unit D	Sec. 25	Twp. 26 N	Range 5 W	Purchaser SOUTHERN UNION GAS COMPANY	
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 7533	Perf. 7266	To 7488
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 7420	Perf. 7412	To 7420
Gas Pay: From		To	L	G	GL
7266		7488	7408	.700	5186
					Bar. Press. 12
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual SINGLE - GAS	
Date of Completion 9/26/66		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.	
1.	2"	3/4"				2464		2432		14 DAYS
2.						397	60	1644		3 HOURS
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 PD @ 15,025 psia
1.	12.3650		409	1.0000	.9258	1.050	4,916
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 **2476** P_c² **6,130,576**

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.	1656					2,742,336	3,388,240		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **7,668** MCFPD; n **.75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED _____

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

Original signed by
AGENT AND TITLE **Kenneth E. Roddy, PROD. TECH.**

