

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		Special		Date of Test AUGUST 23, 1967		
Company SOUTHERN UNION PRODUCTION COMPANY					Lease JICARILLA "J"		Well No. 9	
Unit B	Sec. 26	Twp. 26 N	Range 5 W		Purchaser SOUTHERN UNION GAS COMPANY			
Casing 4.500	Wt. 10.50	I.D. 4.052	Set at 7524		Perf. 7342	To 7446		
Tubing 1.900	Wt. 2.90	I.D. 1.610	Set at 7314		Perf. 7306	To 7314		
Gas Pay:	From 7342	To 7446	L 7304	G .700	GL	Bar. Press. 12		
Producing Through:		Casing	Tubing XX		Type Well - Single - Braden head - SINGLE - GAS G.G. or G.O. Dual			
Date of Completion 8/3/67		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"				2354		2346		13 days 3 hours
1.						315	61	1363		
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		327	.9990	.9258	1.039	3,885
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio: 967 cf/bbl.	Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg.	Specific Gravity Flowing Fluid _____
F _c _____	P _c 2366 P _c ² 5,597,956

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	P _w P _c
1.	1375					1,890,625	3,707,331		
2.									
3.									
4.									
5.									

ABSOLUTE POTENTIAL: **5,292** 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