

**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 10/4/66				
Company SOUTHERN UNION PRODUCTION CO.			Lease JICARILLA #JW			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 7266	To 7488	L 7408	G .700	GL 5186	Bar. Press. 12				
Producing Through:		Casing	Tubing XX		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 XX 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"				2352		2306		7 DAYS
1.						162	50	1528		3 HRS.
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 PD @ 15.025 psia			
1.	12.3650		174	1.0098	.9258	1.021	2,054			
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 2,364 P _c ² 5,588,496					
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.	1540					2,371,600	3,216,896			
2.										
3.										
4.										
5.										

ABSOLUTE POTENTIAL: **3,107** MCFPD: n **.75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED _____

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

AGENT AND TITLE **KENNETH E. RODDY, PRODUCTION TECHNICIAN**

Original signed by
Kenneth E. Roddy

