

**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 SAN JUAN		
Initial XX		Annual		Special		Date of Test 6/6/66		
Company SOUTHERN UNION PRODUCTION COMPANY				Lease NAVAJO #C			Well No. 2	
Unit L	Sec. 31	Twp. 27 N	Range 8 W		Purchaser EL PASO NATURAL GAS COMPANY			
Testing 4.500	Wt. 10.50	I.D. 4.052	Set at 6629		Perf. 6308	To 6512		
Testing 1.900	Wt. 2.90	I.D. 1.610	Set at 6415		Perf. 6407	To 6415		
From 6308	To 6515	L 6397	G .700	GL 4478	Bar. Press. 12			
Producing Through:		Casing	Tubing XX		Type Well - Single - Brader. head - G.G. or G.O. Dual SINGLE - GAS			
Date of Completion 6/6/66		Packer			Reservoir Temp.			

OBSERVED DATA

Tested Through: Prover ☐ Choke ☒ Meter ☐								Type of Taps		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
Flow (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.		
					1935		1932		8 DAYS	
					347	65	1371		3 HRS.	

FLOW CALCULATIONS

Flow Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia
12.3650		359	.9952	.9258	1.041	4,258

PRESSURE CALCULATIONS

Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_{sc} _____ (1-e^{-S}) _____ P_c **1,947** P_c² **3,790,809**

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	$\frac{P_w}{P_c}$
1,383					1,912,689	1,878,120		.710

ABSOLUTE POTENTIAL: **7,210** MCFPD: n **.75**

COMPANY **SOUTHERN UNION PRODUCTION COMPANY** WITNESSED **JESSE GOODWIN**

ADDRESS **P. O. Box 808, FARMINGTON, N. MEX.** COMPANY **EL PASO NATURAL GAS COMPANY**

AGENT AND TITLE **Kenneth E. Rolly Upc Mgr.**

