## SOUTH BLANCO TOCITO POOL RIO ARRIBA COUNTY, NEW MEXICO

## Date of First Production: July, 1951 Date Water Injection Commenced: October 7, 1953

## TOTAL POOL PERFORMANCE

Cumulative Oil Production at Commencement of Water Injection:

Caulkins Oil Company	712,315 bbls.
Texas National	2,901 bbls.
Total	715,216 bbls.

Cumulative Oil Production April 1, 1958:

Caulkins Oil Company	2,217,883* bbls.
Texas National	136,000* bbls.
Total	2,353,883 bbls.

\* March 1958 Production Estimated.

	Date	Bottomho Avg. PSI	le Pressure Change-PSI	Incr. Oil ProdBbls.	Bbls. Oil Produced Per PSI Chg.
Initial Condition	7/51	2197	-	-	-
At Commencement of Water Injection	10/53	1971	226	715 <b>, 2</b> 16	3165
Current Condition	4/58	1789	182	1,638,667	9004

## CAULKINS OIL COMPANY OPERATIONS

	PRODUCTION			
	Oil - Bbls.	Gas - MCF	Water - Bbls.	GOR
Before Water Injection After Water Injection	712,315 1,505,568	1,188,825 2,671,226	0 531, 252	1669:1 1774:1
Cumulative 4/1/58	2, 217, 883	3,860,051	531, 252	1740:1

From commencement of water injection to present date, one (1) barrel of water injected in reservoir occupies equivalent space of approximately 680 cubic feet of gas.

Cumulative Water Injected to 4/1/58Cumulative Water Produced to 4/1/58 3,500,650 bbls. 531,252 bbls.

Net Water Injected to 4/1/58

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2,969,398 bbls.

Equivalent amount of gas necessary to occupy same reservoir space as net water injected:

2,969,398 bbls. x .680 MCF = 2,019,190 MCF

	Gas Production	Gas Equivalent Injected MCF	Net Gas Produced MCF	Oil Produced Bbls.	Net GOR
Before Water Injection	1,188,825		1,188,825	712,315	1669:1
After Water Injection	2,671,226	2,019,190	65 <b>2,</b> 036	1,505,568	433 <b>:</b> 1
	3,860,051			2,217,883	
Since Inception Cumulative Gross Reservoir Voidage 3/1/58 Cumulative Water Injected 3/1/58			6,613,913 3,438,513		
Cumulative Net Reservoir Voidage			3,175,400	bbls.	
Percent Voidage Replacement:					
<u>3,438,513 b</u> 6,613,913 b	bls. = 51.99	%			
Since Commencement of Water Injection Cumulative Gross Voidage 3/1/58 Cumulative Gross Voidage 10/7/53			6,613,913 1,839,904		
Difference Less Water Injected			4,774,009 3,438,513		
Percent Voidage Replacement		1,335,496	bbls.		
$\frac{3.438.513 \text{ bbls}}{4.774.009 \text{ bbls}} = 72.03\%$					-