Copy for Mr. amold

CHEMICAL & GEOLOGICAL LABORATORIES

CORE ANALYSTS ENGINEERS

Bolack #10 Horseshoe - Gallup

December 29, 1958

Barrels flowed determined by actual tank gauges as follows:

3:15 A.M. through 10:15 A.M. Swab and Flow

0 to $10^{1}-3^{11} = 205 \text{ Bbls.}$ 0 to 10!=3!! = 205 !!

C to 21-7" =

0 to 2!-10" = 109 Bbls.

519 Bbls.

10:15 to 1(:+5 A.M.

Open Flow 10 12 to 11 10 1/2 = 32 1/2 Bbls. 10 13 to 11 10 1/2 = 32 1/2 Bbls.

130 Bbls/Hr.

OIL CON. COM

DIST. 3

10:45 to 11:15 A.M.

Open Flow 11' 10 $1/2^n$ to 13! 7 $1/2^n$ = 35 Bbls.

11! 10 1/2" to 13! 7 1/2" = 35 Bbls.

140 Bbls/Hr.

11:15 to 11:45 A.M.

Oben Flow 13! 7 1/2" to 14! 11 1/2" = 27 Bbls.

13! 7 1/2" to 14! 11 1/2" = 27 Bbls.

108 Bbls/Hr.

11:45 to 12:15 P.M.

Open Flow 14' 11 1/2" to 16' 6"

14! 11 1/2" to 16! 6"

= 31 Bbls. - 31 Bbls.

124 Bbls/Hr.

12;15 to 17:45 P.M.

- 18 Bbls. = 18 Bbls.

72 Bbls/Hr.

Avg. @ 126 Bbls/Hr. = 3.024 Bbls/Day

16! 6" to 17! 5" Flow

Restricted 16' 6" to 17' 5"

12:45 to 1:15 P.M.

Restricted 17' 5" to 10' 9" 171 3" to 1(1 5" 21 10" to 101 Un

= -133 Bbls. = -140 Bblo.

= +150 Bbls.

= +153 Bbls.

60 Bbls/Hr.

Productivity index determined as follows:

Bbls/day (3004) Static Psi (25)) - Flur. Psi (163)

Calculated absolute oven flow potential:

21 7" to 101 3"

Bbls/day Static Psi (055) - Flag. Psi (6)

= P. I. (3°.87)

(32.87)

= P. I.

Witnessed by

Flow

Calculated absolute open flow notential = 8.382 Bbls/per day

J. F. Fra Marin