

Well Name : Serano # 1

Location : 710 FSL & 680' FWL, Sec. 11, T-19S, R-25E, Eddy Co., New Mexico

Casing Program

Surface : 9 5/8" casing in 14 3/4" Hole at 1,200 ft.

Production : 7" casing in 8 3/4" Hole at 8,400 ft.

Cementing Program :

Surface

Lead 1 200 sacks Class H Mixed at 14.6 ppg
Additives 10% Gypsum + 1% CACL2 + 10pps Gilsonite
+ 0.25 pps Cello Flake

Lead 2 900 sacks Class C Mixed at 12.8 ppg
Additives 35:65:6 (Poz:Cem:Gel) + 5 pps Gilsonite + 2% CACL2
+ 0.25 pps Cello Flake

Tail 200 sacks Class C Mixed at 14.8 ppg
Additives 2% CACL2

Production

Lead 240 sacks Class C Mixed at 13.69 ppg
Additives 50:50:2 (Poz:Cem:Gel) + 0.5% FL-52 + 1 pps BA-58
+ 8 pps Gilsonite

Tail 295 sacks Class H Mixed at 15.2 ppg
Additives 1.1% FL-62 + 1% BA-58 + 8 pps Gilsonite + 2% KCL
+ 0.2% CD-32 + 0.2% SMS

Free Water 0 % Fluid Loss 70 cc/30 min.