

WELL NAME: BARBARA COM 17 SE NO. 18

LOCATION : 660' FSL 760' FEL S-17 T-19S R-25E

Casing Program

Surface 9-5/8 inch in 14-3/4 hole at 1200 ft.
Inter inch in hole at ft.
Prod 7 inch in 8-3/4 hole at 8300 ft.

Cementing Program

Surface (Circulate to surface)

Lead 900 sxs Class C Mixed at 12.7 ppg
Additives 3%CaCl 5pps Gilsonite 0.5pps Flocele
Tail 200 sxs Class C Mixed at 14.8 ppg
Additives 2% CaCl

Intermediate (first stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

(second stage)

Lead sxs Class Mixed at ppg
Additives
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

Production (first stage)

Lead 580 sxs Class C Mixed at 13.6 ppg
Additives 8pps Metosilicate 0.5%FLA 3%NaCl 0.25pps Flocele
Tail sxs Class Mixed at ppg
Additives
Percent free water Water loss cc

(second stage) (Circulate to surface)

Lead 525 sxs Class C Mixed at 12.6 ppg
Additives 5pps salt 0.25pps Flocele
Tail 100 sxs Class C Mixed at 15.0 ppg
Additives
Percent free water Water loss cc