North Feather - State Unit
Well Drainage / Spacing Data

12/9/92
1

Gws

State UTP #3 — Pore Volume Data

Log Pay   12' x .094 x .65 x 7758   = 5688 BOIP
          5' x .070 x .60 x 7758   = 1629 BOIP
Total   17'   7317 BOIP
Reserves @ 15% Rec   1098 Bo/Ac

Reserves for 40 Ac Location = 43,902 Bo

Current Production (Cumulative) = 156,324 Bo
                                = 142 Ac. Drainage

Estimated Ultimate Prod = 190,730 Bo
                         = 173 Ac. Drainage *

* Note: This is minimum drainage assuming the
entire drainage is 17' thick. If only
the acreage is 9' thick the reservoir
would be reduced by a factor of
76%. The ultimate recovery figure
190,730 Bo would then require
a drainage area of 226 Ac.

½
Vol
76 %
OF

Santa Fe - State UTP #2
    Log Pay   4' x .10 x .77 x 7758   = 2389 BOIP
              8' x .085 x .76 x 7758 = 4009
    Total   12'   6398 BOIP
    Reserve @ 15% Rec   = 960 Bo/Ac
    Cumulative Production   41,441 Bo
    Min. Drainage Area
                                        43 Ac

NORTH FEATHER - STATE UNIT

GWS

SANTA FE - STATE UTP #1
LOG PAY   8' x .12 x .76 x 7758   = 5660 BOIP
          7' x .10 x .77 x 7758   = 4181
TOTAL   15'   9841 BOIP
RESERVE @ 15% REC   1476 BO/AC
CUMULATIVE PRODUCTION   175,758 BO
MINIMUM DRAINAGE AREA   119 AC