

SUPPLEMENTAL DRILLING DATA

ESTORIL PRODUCING CORPORATION WELL NO. 1 CURRY FEDERAL

1. SURFACE FORMATION: Quaternary.
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler	850
Delaware Lime	5000
Bone Spring	8600
Wolfcamp	11,450
Pennsylvania	11,800
Atoka	12,100
Morrow	13,000

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	Above 600 feet
Gas	Atoka
Gas	Morrow

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on form 9-331 C.

13-3/8" surface casing will be cemented with sufficient Class "C" cement to circulate.

10-3/4" casing will be cemented with sufficient Class "C" cement to circulate.

7-5/8" casing will be a liner, initially, extending from the setting depth to above the 10-3/4" casing shoe. Cement will be Class "H" in sufficient quantity to circulate the liner. If the well is completed for gas production, the 7-5/8" casing will be tied back to the surface with 33.7#, N-80 casing.

The 5" liner will extend from the setting depth back to above the 7-5/8" casing shoe. Cement will be Class "H" in sufficient quantity to circulate the liner.

Cement quantities and additives will be determined to best suit hole conditions.