

SUPPLEMENTAL DRILLING DATA

H. L. BROWN, JR.
WELL NO. 1 FEDERAL 8

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

Yates	580
Bone Spring	4940
Wolfcamp	8810
Strawn	10,100
Atoka	10,740
Morrow	11,000
Chester	11,600

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	Capitan Reef
Oil	Bone Spring
Gas	Morrow

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C.

Cement for surface casing will be 200 sacks of Thixotropic plus 465 sacks of Class "C" with 2 percent CaCl. Cement to circulate.

Cement for intermediate casing will be 820 sacks of BJ Light tailed in with 300 sacks of Class "C". Cement to circulate.

Cement for production casing will be 600 sacks of BJ Light tailed in with 200 sacks of Class "H" cement.

Cement quantities and additives may be varied to suit well conditions.

5. PRESSURE CONTROL EQUIPMENT:

Blowout preventer stack will consist of two 5000 psi working pressure ram type preventers and one 3000 psi working pressure annular type preventer.