

SUPPLEMENTAL DRILLING DATA

J. C. WILLIAMSON
WELL EP-USA #7

1. SURFACE FORMATION: Quaternary Alluvium

2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

Rustler Anhydrite	300'
Lamar Shale	3000'
Ramsey Sand	3025'
Olds Sand	3025'
Top Cherry Canyon	4150'
Top Brushy Canyon	5100'

3. ANTICIPATED POSSIBLE WATER AND HYDROCARBON BEARING ZONES:

Fresh Water	above 100'
Delaware (oil)	3025'
Brushy Canyon (oil)	5100' - 5150' - 5600' - 5650'
Lower Brushy Canyon (oil)	6150' - 6200'

4. PROPOSED CASING AND CEMENTING PROGRAM:

Casing program is shown on Form 9-331 C.

Hole for surface casing will be drilled to a depth below fresh water zones. Surface casing will be run to bottom and cemented to protect fresh water zones. 12-3/4" pipe will be run and cemented at 350 feet.

8-5/8" pipe will be run and cemented at 2900 feet, prior to entering delaware section.

12-3/4" surface casing will be cemented to the surface with 425 sacks of Class "C" cement.

8-5/8" protection casing will be cemented with 150 sacks of Class "C" cement at 2900', which is sufficient to bring cement well above the base of the salt.

4-1/2" production casing will be cemented at a total depth or shallower if significant shows are encountered in the Brushy Canyon formation, with 1350 sacks Class "C" cement, 50-50 poz in 2 stages with DV tool set at 4600 feet.

5. PRESSURE CONTROL EQUIPMENT:

Pressure control equipment will consist of a double ram hydraulically controlled blow out preventer, together with a 3000# choke manifold.

6. CIRCULATING MEDIUM:

The circulating medium will be fresh water down to 350 feet and brine water in the rest of the hole.