

SUPPLEMENTAL DRILLING DATA

HARPER OIL COMPANY
No.1 Denton Federal
SW $\frac{1}{4}$ SW $\frac{1}{4}$ Sec.24-5S-27E
Chaves County, N.M.

Lease: NM 14129

The following items supplement Form 9-331C in accordance with NTL-6 instructions.

1. SURFACE FORMATION: Permian (Artesia Group)
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

San Andres	1250'
Glorieta	2080'
ABO	4300'
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATIONS:

Water:	1250' In San Andres
Gas:	4500' In ABO
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000#WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM:

0 - 350':	Fresh native mud
350 - 1750':	Fresh native mud with lost circulation material, as needed.
1750' - TD:	Brine mud - Add starch and lost circulation material to control water loss.
7. AUXILIARY EQUIPMENT: Full-opening kelly cock, to fit the casing string in use, will be kept on the rig floor at all times.
8. TESTING LOGGING AND CORING PROGRAM:

Samples:	Surface to TD
DST's:	As warranted
Logging:	Gamma ray log from TD to surface. Neutron-Density-Caliper log and Dual laterolog-micro SFL from TD to intermediate casing shoe.
Coring :	None planned

