

**3160-5 Drilling Program  
Matador "5" #1  
Section 5 T-20-S R-34-E  
Lea County, New Mexico**

1. SURFACE FORMATION: Quaternary Alluvium
2. ESTIMATED FORMATION TOP:

	<u>Subsurface Depth</u>
Yates	3550' TVD
Bone Springs	8300' TVD
Atoka	12200' TVD
Morrow Clastics	13000' TVD

3. ESTIMATED DEPTH AT WHICH OIL, GAS, WATER OR OTHER MINERAL BEARING ZONES ARE EXPECTED TO BE ENCOUNTERED:

Expected oil & gas zones:	1st Bone Spring Sand 9400' (oil) Morrow Sand 13,200' (gas)
Water may be encountered	Seven Rivers 3650'

4. CASING PROGRAM:  
As per form 3160-3

5. PRESSURE CONTROL EQUIPMENT:
  - A. After surface casing is set, an annular type blowout preventor with blind rams and pipe rams, with minimum working pressure of 5000 psi will be installed. The BOP is illustrated in Exhibit 1.
  - B. A choke control, fill and kill lines with minimum working pressure of 5000 psi will be installed.
  - C. The equipment in A and B will be pressure tested to 5000 psi before drilling surface pipe cement, and the BOP will be tested for operations daily and during trips.

6. MUD PROGRAM:

0-400'	Fresh Water Gel	8.5 lb/g
400-5200'	Salt Water	9.5 lb/g
5200-13800'	Salt water, Salt Water Gel	9.5 lb/g