

APPLICATION FOR DRILLING PERMIT

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6. Mud program: Surface hole--spud mud w/paper added to control seepage. Add LCM as necessary if loss of circulation becomes a problem. Drill out below surface casing w/brine water. Drill below first intermediate string w/fresh water, mudding up as hole conditions dictate; drill below second intermediate w/brine, mudding up as hole conditions dictate.
7. Auxiliary equipment:
  - A. Kelly cock in kelly.
  - B. Float at the bit.
  - C. Tool joint sub w/full opening valve to be stabbed into drill pipe.
  - D. Rotating drilling head.
8. Testing coring, and logging program.
  - A. Possible DST's in Wolfcamp, Atoka, and Morrow.
  - B. No coring is anticipated.
  - C. Schlumberger CNL-FDC w/GR and caliper; DLL w/micro-SFL, first intermediate pipe shoe to total depth.
9. Sufficient material will be kept on location to increase mud weight to handle anticipated pressures. The Wolfcamp and/or Atoka could be abnormally pressured.
10. The anticipated starting date is April 1, 1980.