

JICARILLA "A" NO. 21

SUPPLEMENT TO FORM 9-3310

1. The Geologic name of the surface formation is, "Wasatch".
2. The estimated tops of important Geologic markers are:
  - A. Base of Ojo Alamo 3236 feet
  - B. Fruitland 3434 feet
  - C. Pictured Cliffs 3537 feet
3. The estimated depth at which anticipated water, oil, gas or other mineral bearing formations are expected to be encountered are:
  - A. Base of Ojo Alamo 3236 feet - water
  - B. Fruitland 3434 feet - water
  - C. Pictured Cliffs 3537 feet - gas
4. The casing program is shown on Form 9-3310 and all casing is new.
5. The lessee's pressure control equipment schematics are attached along with minimum specifications, testing procedures and frequencies.
6. The type, estimated volumes and characteristics of the circulating mediums are as follows:
  - A. From 0 feet to 200 feet - Natural Mud.
  - B. From 200 feet to 3700 feet - Permaloid non dispersed mud containing 167 sx of gel, 67 sx of permaloid and 10 sx. C.M.C.
7. The auxiliary equipment to be used will be floats at the bit and a sub on the floor with a full opening valve to be stabbed into the drill pipe when the Kelly is not in the string.
8. This well is in an area which is almost completely developed, therefore we will not have a testing and coring program. The logging program will be as follows:
  - A. E. S. Induction
  - B. Gamma Ray Density
  - C. Gamma Ray Correlation
  - D. Cement Bond or Temperature
9. There are no abnormal pressures, temperatures, or hydrogen sulfide problems expected in this highly developed area.
10. The anticipated starting date of this well is July 1, 1978.