

GENERAL PLUGGING REQUIREMENTS

MONUMENT FIELD

APRIL 12, 1988

PER SHANNON SHAW WITH THE BUREAU LAND MANAGEMENT (BLM) IN NEW MEXICO,
GENERAL REQUIREMENTS WILL INCLUDE:

1. CIBP plug above perfs with 35' of cement or use 100' cement.
2. 100' plug centered across all casing shoes.
 - inside of casing, only if casing is cemented
 - inside and outside of casing if no cement protection provided
3. If casing is cut, place 75' of cement above and 75' of cement below casing cut, - Tag.
4. 50' surface plug in casing.
5. "Salt Zone" or Salada Formation of the Ochoan Series must be isolated as follows:
 - A. Spot 50' plug below base of salt inside casing assuming casing is cemented. If casing is not cemented, use 100' plug inside casing.
 - B. Spot 50' plug above top of salt ... inside only if casing is cemented or inside and outside if not.

The "Salt" comes in below the Anhydrite, and above the Tansel, the Yates and Seven Rivers. In section 12, top of salt is at 1600' and base is at 2550'. In section 7, drilling reports indicate that plugs at ± 1100 and ± 2400 ' will be adequate to isolate the salt.

6. Weld plate w/ well name and number on casing. Install dry hole marker, consisting of 4" x 10' (with at least 4' above ground) pipe or monument cemented in ground. Well name, number and location should be inscribed on marker.

ADDITIONAL NMOC STATE REQUIREMENTS INCLUDE:

1. A minimum of 10.0 ppg gelled brine mixed w/25 sx gel per 100 bbls of fluid using a mixed brine. No mud or field salt water allowed.
2. All plugs required must have at least 25 sx cement; except surface plug, which must be at least 10 sx.

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