

1. Pull tubing, if present.
2. Spot a 100 ' ( 20 sx) Class "C" cement plug from 5135 ' to 5035 ' above the Paddock - tag to verify location. (A CIBP with 35' ( 5 sx) cement on top may be set in place of this plug.)
3. Determine freepoint of 5½ " casing (T.O.C. @ 3980 ': calculated at 60% efficiency.)
  - a. If freepoint is at or below 3800', cut and pull 5½ " casing, then proceed with steps 4 and 6.
  - b. If freepoint is above 3800' place the plugs shown in step 6 which are below the freepoint before making the cut.
4. Spot a 100' Class "C" cement plug ( 35 sx) across the 5½ " casing cut (tag). Combine with plug above San Andres, if economic.
5. Circulate hole with mud (see "C" above).
6. Spot 100' Class "C" cement plugs above the San Andres ( 20 sx) from 3800' to 3700', above the Queen ( 20 sx) from 3300' to 3200' and across the 8-5/8 " intermediate casing seat ( 35 sx) from 2900 ' to 2800 ', if exposed (tag). Increase plug to 35 sx each if above 5½ " casing cut.
7. Determine freepoint of 8-5/8 " intermediate casing (T.O.C. circulated - calculated at 22% efficiency.)
  - a. If freepoint is at or below 1200' -
    - cut and pull 8-5/8 " casing
    - spot a 100' ( 75 sx) plug across the casing cut (tag).
    - spot a 200' ( 150 sx) Class "C" cement plug from 1200' to 1000' above the salt (tag).
  - b. If freepoint is above 1200' -
    - 1) and T.O.C. is below 1200' or unknown.
      - a) Perforate 8-5/8 " casing at 1100' and attempt to pump in and break circulation to surface outside 8-5/8 " -
        - (1) If can pump in -
          - squeeze annulus and leave plug from 1200' to 1000' above the salt inside 8-5/8 " under a cement retainer at 975' with 300 sx Dowell RFC cement (or equivalent). Close 8-5/8 " x 13-3/8 " casing valve before pumping last 50 sx cement.
        - (2) If can't pump in -
          - spot 200' ( 70 sx) plug inside 8-5/8 " casing from 1200' to 1000' above the salt (tag).
      - b) Cut and pull 8-5/8 " casing if freepoint is at or below surface (13-3/8 ") casing seat at 313'.
      - c) Spot a 100' ( 75 sx) Class "C" cement plug across the 8-5/8 " casing cut (tag).
  8. Set a 100' Class "C" cement plug from 365 ' to 265 ' across the surface (13-3/8 ") casing seat (tag, if exposed) and below the Ogallala -
    - 35 sx if in 8-5/8 ".
    - 70 sx if in 13-3/8 ".
  9. Spot a 10 sx plug at the surface.
  10. Set an approved dry hole marker and prepare the well for abandonment.

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