

PROCEDURE

PADDOCK UNIT # 54

1. Pull and lay down rods and tubing.
2. Spot a 100 ' (20 sx) Class "C" cement plug from 5080 ' to 4980 ' 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. @ 3801 ': calculated at 40% 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 2850 ' to 2750 ', 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 40% 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.
 - c) Spot a 100' (75 sx) Class "C" cement plug across the casing cut (tag).
8. Set a 100' Class "C" cement plug from 350 ' to 250 ' 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.