

PLUG AND ABANDON PROCEDURE
MUDGE LS 29

1. Rig up wireline unit.
2. Tag for fill and clean out to 2850' if necessary.
3. Rig up cement crew.
4. Establish circulation through perforations at 2820' - 44'.
5. Follow with 500 sacks of class B neat cement, and set a plug from PBTD to 2000'. Displacement volume is 11 bbl.
Casing capacity (2 7/8", 6.4 lb/ft) is .0058 bbl/ft.
6. WOC 24 hours.
7. MIRUSU.
8. Tag top of cement plug, verify depth with BLM.
9. Determine free point of 2 7/8" casing.
 - A. If casing can not be backed off at a minimum depth of 1200':
 - 1) Run a GR/CCL log from cement top to surface. Determine TOC.
 - 2) Perforate casing 50' above the TOC and establish circulation to surface and continue to do so until returns are clean.
 - 2) Pump class B cement until clean returns are noted at the surface.
 - 3) Do not displace cement.
 - 4) Skip to step 13.
10. Cut off casing within 50' above the free point.
11. Establish circulation to surface until clean returns are observed.
12. TOH with casing, while at the same time, set a continuous cement plug with class B cement from the top of the casing to the surface.
13. Mark the abandoned well according to BLM requirements.
14. Restore the area.
13. Within 30 days after plugging work is completed, file a Sundry Notice in quintuplicate with Area Manager, Bureau of Land Management. The report should give in detail the manner in which the plugging work was carried out, the extent of cement plugs placed, and the size and location of casing left in the well. Show date well was plugged.

NOTE: Production casing was set in a 6 3/4" drilled hole, having a capacity of .04425 bbl/ft.