

Section 33, T21S, R33E
Lea County, New Mexico

PLUGGING PROCEDURE

1. Blow well down for at least 24 hours.
2. Check all casing valves and determine which casing annulus is venting gas.
3. Tie into 2 3/8 tubing and kill well with 10# brine.
4. Install BOP, unseat Guiberson Uni-set VI packer. Allow time for well to stabilize. Pump 75 bbls mud down tubing and displace with brine to 9500' (37 bbls) to load 5" liner with mud.
5. Pull tubing and packer. Lay 4000' of tubing down. Put rest in derrick.
6. Rig up wire line unit and set CIBP in 5" 19.5# Drill pipe (ID 4.276 This DP was reamed with 4.1875 mill to 13,890') at 13,500'±, cap with 3 sacks cement.
7. Go into hole with tubing and bridge plug, set BP just above 5" liner 9588'±, get off of BP and circulate 360 bbls mud into hole.
8. Tag top of BP with tubing and set a 50 sack plug (245') top of plug at 9343'±.
9. Set a 50 sx plug (245') from 8550' to 8305'±, this covers top of Bone Springs.
10. Set a 75 sack plug (368') from 5100' to 4732'±. This covers liner splice at 4939'.
11. Set a 50 sack plug (245') from 3900' to 3655'±. This covers DV tool at 8820' and top of reef.
12. Set a 50 sack plug (245') from 3500' to 3255'±. This covers DV tool at 3406'.
13. Tie into 13 3/8 and 9 5/8 annulus and pressure up to 100 psi, hold for 10 minutes, increase slowly to 200 psi, hold for 10 minutes, increase slowly to 300 psi. If this annulus holds up in the above tests, proceed with step 14.
14. Pull tubing and perforate 7 5/8 liner and 9 5/8 casing at 600'±, observe action of 13 3/8 casing valve and 9 5/8 casing valves.
15. Run tubing back to 600'±, close rams on pipe, start pumping water and see if returns are gained out of 9 5/8 - 13 3/8 and 9 5/8 - 7 5/8 annulus. If returns are gained, cement with 125 sack cement plug 200'±.
16. Set 25' plug at surface, install dry hole marker, clean location.