

Cassidy Com #1
SW NW Section 29-T238-R28E
S. Loving (Delaware)
Eddy County, New Mexico

PLUG AND ABANDON PROCEDURE:

1. MIRUSU, pull rods & pump.
2. Kill well, ND tree and NU BOP's.
3. Release tubing anchor at 5,787' and TOH with tubing.
4. Load hole with 9.0 ppg, 36 VIS (minimum) plug mud.
5. RU Wireline and set a 5" 23# CIBP at the top of the Penn. formation at 10,760', cap with 35' of cement.
6. The second plug is required at the top of the Wolfcamp formation at 9,317'. This is 67 feet below the top of the 5-inch liner, therefore set a 7-5/8" 33.7# CIBP at the liner top at 9,250' and cap with 35 feet of cement, thus plugging the Wolfcamp and the top of the liner.
7. Set another 7-5/8" CIBP at 5,920' above the Delaware perms at 5,938-72' and the DV tool at 5,984'. Cap this plug with 35' of cement.
8. Set another 7-5/8" CIBP at 2,460' 50' below the 10-3/4" shoe.
9. Work the 7-5/8" casing and cut as deep as possible but it will probably be up inside the 10-3/4" pipe as cement outside the 7-5/8" is up to 2,400'. TOH laying down casing.
10. RIH with tubing and pump a 100 foot cement "shoe and stub" on top of the casing stub and CIBP at 2,460'. WOC and tag this plug.
11. Pull up to 450 feet and pump a cement plug from 450 feet to surface.
12. Set a 10 sack surface plug, cut off 4 feet below ground level and install a cap and dryhole marker with I.D..

KEO\#77.pp