

**PLUG AND ABANDON WELL PROCEDURE**  
**EVGSAU # 0449-115**

**NOTE:** Cement used is Class "C", density of 14.8 ppg, yield of 1.32 cubic feet per sack.

1. Notify NMOCD at (505) 393-6161 24 hrs. prior to initiating plugging operations.
2. MIRU Plug & Abandon Package. NU PPCo. Class 1 BOPE.
3. Open up well and bleed off any pressure. Kill well. GIH w/ 2-3/8" WS and tag CIBP @ 4430'. Mix and circulate wellbore with 9.5 Mud Laden Fluid (MLF) to clean up wellbore.
4. Pump Plug No. 1. 80 sx 4450' – 3700'. Plug covers the San Andres, Grayburg, & Queen.
5. POOH to 2950'.
6. Pump Plug No. 2., 25sx , 2950'-2565'. Plug covers the Yates
7. POOH. RU wireline. GIH & perf 4-1/2" csg @ 1650'. POOH. RD wireline.
8. GIH w/ workstring & AD-1 rental pkr. to 1400' and set pkr. Attempt to establish pump in rate via 4-1/2" x 8-5/8 annulus. Maximum pressure of 1200# psi @ 2 bpm. (If unable to obtain rate notify Drlg Supt before proceeding.)
9. Pump Plug No 3. Squeeze 30 sx cement 1650 - 1550'. Displace 50' below packer . WOC & TAG. Covers the Salt Top. WOC.
10. Release pkr. & POOH. LD Packer. TIH to 1150.
11. Pump Plug No. 4. 25 Sxs. 1150 – 900. Covers Parted casing @ 1075.
12. RU wireline. GIH to 411' and perf 4-1/2" csg. POOH. RD wireline.
13. Tie onto 4-1/2" csg. valve and attempt to circulate. If well will not circulate, notify Phillips Drilling Superintendent. If well circulates, pump plug #5 135Sxs. down 4-1/2" prod. csg. and up 4-1/2" x 8-5/8" annulus until cmt. is circulated. SD.
14. WOC. Monitor cmt level for 30 minutes. If cmt. level inside 4-1/2" or 4-1/2" x 8-5/8" annulus falls more than 12', hole must be filled to top.
15. Cut off casing and wellheads 3' below GL and cap well. Install Dry Hole marker. Perform reclamation work.