

**BURLINGTON RESOURCES**  
**Mid-Continent Division**

**Well:** South Corbin Federal #3 **Date:** September 16, 1998

**Reason for Work:** Plug and abandon wellbore.

**Location:** 554' FSL & 554' FEL, Sec 20, T18S, R33E, Lea County, New Mexico

**Total Depth:** 13,615' **PBTD:** 13,443' **KB:** 21' above GL.

**Casing Record:** 13-3/8" 48# H-40 STC @ 395' cmt'd w/ 425 sx. (Circ)  
8-5/8" 28# K-55 BTC @ 2,917' cmt'd w/ 1200 sx. (Circ)  
5-1/2" 17# K-55 LTC 0-2,583'  
17# K-55 LTC 2,583'-10,043' (DV tool at 8,010')  
17# N-80 LTC 10,043'-11,500' cmt'd w/ 1200 sx. (TOC at 2410' CBL)  
3-1/2" 10.3# L-80 FL4S 10,655' to 13,615' cmt'd w/ 175 sx

**Perforations:** See attached wellbore schematic.

**Tubing Detail:** See attached wellbore schematic.

**Recommended Procedure**

1. Notify BLM office at least 24 hours prior to starting any plugging operations. Lea County (505) 393-3612.
2. MIRU workover rig. Unload, rack, and tally  $\pm$  345 jts of 2-7/8" used inspected tubing.
3. ND wellhead. NU BOP.
4. TOH and LD with 3-1/2" 9.3 #/ft N-80 Hydril tubing.
5. TIH with CIBP on 2-7/8" tubing. Set CIBP at 10,650'. Circulate hole with clean gelled water (at least 9 ppg, 25 sx gel/100 bbl water). Spot 50' class H cement plug (15 sx) on top of CIBP.
6. TOH to 9250'. Spot 25 sx class H cement plug from 9250' to 9050'.
7. TOH to 7300'. Spot 25 sx class C cement plug from 7300' to 7050'.
8. TOH to 5100'. Spot 25 sx class C cement plug from 5100' to 4850'.
9. TOH to 2795'. Spot 20 sx class C cement plug from 2795' to 2695'. B/Salt. TOH with tubing.
10. Spear 5-1/2" casing and stretch to determine free point (estimated to be at 2350').
11. RU wireline company. RIH with casing cutter and cut casing at free point. TOH and LD casing.
12. TIH with tubing to 2400' (50' below casing stub). Spot 25 sx class C cement plug from 2400' to 2300'.
13. TOH to 1444'. Spot 35 sx class C cement plug from 1444' to 1344'. T/Salt.
14. TOH to 445'. Spot 35 sx class C cement plug from 445' to 345'.
15. TOH to 50'. Spot 15 sx class C cement plug from 50' to surface. TOH and LD tubing.
16. RDMO workover rig.