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Wexpro Company  
2221 Westgate Dr.  
P.O. Box 458  
Rock Springs, WY 82902  
Tel (307) 352-7500  
Fax (307) 352-7575

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## JC Donnell 7

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### **Detail of Final Abandonment Operations**

1. Work commenced 7/16/2012 and ended 10/16/2012.
2. Roy Wallace Craig, CO BLM office contacted and witnessed plugging operations.
3. Round trip a 4-3/4" bit & casing scraper to 5000', circulating clean.
4. MU a CICR, 2-3/8" tbg & TIH. Set retainer @ 4918'.
5. Rig up a cementer and establish a rate and pressure through the CICR. Sting out of the CICR and mix and spot 60 sacks of cement. LD joints and reverse out cement leaving a 378' cement plug on top of the retainer to 4540'.
6. Pull and LD two more joints. Mix and circulate the hole full of 9ppg Poz/gel. 75 sks to 360'
7. POH LD tbg.
8. MU 1" tubing and mix & spot 45 sacks cement into 5-1/2" casing, leaving a 360' surface plug.
9. Tie into the 8-5/8" x 5-1/2" annulus with the cementer and bullheaded, mix and pumped 65 sacks cement to surface.
10. ND the BOP and remove the tubing spool. Cutoff the wellhead. Top off the 8-5/8" x 5-1/2" annulus and 5-1/2" casing stub as needed.
11. Installed a regulation dry hole marker three feet below restored ground level.
  - a. N 40.97672 degrees
  - b. W 108.30863 degrees
12. Backfill around the wellhead.
13. RDMO workover rig and rental equipment.