

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

**Well:** Pronghorn "12" Federal #1 **Date:** February 18, 1999

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

**Location:** 660' FNL & 2,310' FWL, Sec 12, T23S, R32E

**Total Depth:** 9,200' **PBTD:** 9,155' **KB:** 14' above GL

**Casing Record:** 13-3/8" 48# @ 662', cmt'd w/620 sx. (Circ)  
8-5/8" 28# & 32# @ 4,792', cmt'd w/1480 sx. (Circ)  
4-1/2" 11.6# K-55 8rd @ 9,200', cmt'd w/370 sx. TOC 7441' (TS).

**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 plugging unit.
3. ND wellhead. NU BOP.
4. TOH with 2-3/8" tubing.
5. TIH with CIBP on 2-3/8" tubing. Set CIBP at 7,650'. Circulate hole with clean gelled water (at least 9 ppg, 25 sx gel/100 bbl water). Spot 50' class H cement plug (10 sx) on top of CIBP.
6. Spear 4-1/2" casing and stretch to determine free point (estimated to be at 7380').
7. RU wireline company. RIH with casing cutter and cut casing at free point. TOH and LD casing.
8. TIH with tubing to 7,430' (50' below casing stub). Spot 50 sx class C cement plug from 7,430' to 7,330'.
9. TOH to 5,068'. Spot 40 sx class C cement plug from 5,068' to 4,968'.
10. TOH to 4,800'. Spot 60 sx class C cement plug from 4,850' to 4,700'. B/Salt & 8-5/8" shoe.
11. TOH to 1,325'. Spot 35 sx class C cement plug from 1,325' to 1,225'. T/Salt.
12. TOH to 712'. Spot 35 sx class C cement plug from 712' to 612'.
13. TOH to 50'. Spot 15 sx class C cement plug from 50' to surface. TOH and LD tubing.
14. RDMO workover rig.
15. Cut off all casing 3' below ground level. Cap with abandonment marker. Restore location as directed.

Recommend:

  
John Barnes, Engineer

2/18/99  
Date

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