

Smith Federal Well No. 2  
Test Wolfcamp Zone &  
Plug and Abandon Procedure

**Summary:** The following procedure is recommended to permanently plug and abandon the subject well, if the Wolfcamp zone is non productive.

1. Set CIBP at 7470'. With dump bailer dump 3 sacks cement on top of plug(approximately 40').
2. Perf & test Wolfcamp zone 7147-7150'.
3. Set CIBP at 7100'. With dump bailer dump 3 sacks cement on top of plug(approximately 40').
4. Pull approximately 6550' of 5-1/2" casing.
5. Spot 35 sacks(180') across 5-1/2' casing top.
6. Spot 30 sacks(100') across 8-5/8" intermediate casing at 2216'.
7. Spot 17 sacks(50') cement at surface.
8. Set permanent marker & clear and restore location.

**Location:** 1650 FSL & 330'FWL, Sec. 1, T-22S, R23E, Eddy Co., New Mexico.

**Elevation:** 3924'KB(15' AGL)

**Completion:** U. Penn      Perfs 7518-36'  
TD: 7568'      PBTD 7563'  
Surf Csg: 13-3/8, 61# at 340', cemented w/ 375 sks, circulated.  
Inter Csg: 8-5/8, 24.0# at 2216', cemented w/1360 sks to surface.  
Prod Csg: 5-1/2, 15.5&17.0# at 7568', cemented w/200 sks, TOC at 6622' by CBL.

**Notes:**

1. All cement slurry used in this procedure shall be Class 'C' w/2% CaCl, 6.3 gals water/ sack, 14.8 ppg, 1.32 cu. ft./ sack.
2. All mud for loading hole shall be 9.0+ ppg with 25 lbs. of gell per bbl. of brine.
3. Notify BLM prior to commencing operations.

**Recommended Procedure:**

1. MIRU plugging unit. Bleed well pressure and kill well w/2% KCL as needed. ND wellhead & NU BOP.
2. Unset Baker A-3 Loc-Set packer at 7448'(packer has on/off tool), TOO H with tubing. Visually inspect tubing for suspect leaks & connections.
3. RU wireline company & RIH with 5-1/2" CIBP and set at 7,470'. Run dump bailer and dump 3 sacks of cement(approx. 40' fill) on top of plug.
4. Load hole w/2% KCL water as needed prior to perforating. Rig up packoff & RU perforators. Perf Wolfcamp zone from 7147-50' with 12 premium jet charges using 4"