

**State A-33 #1  
M-33-15S-32E  
Recompletion Procedure  
Recomplete to Anderson Ranch Wolfcamp, North**

Casing Record: 13-3/8" set @ 603' w/ 700 sxs; 9-5/8" set @ 4167' w/ 700 sxs;  
7" set @ 13398' w/900 sxs.

Perforations: Devonian: OH 13380-13385' – abandoned - CIBP set @ 13280'  
w/ 40' cmt on top. TOC 13240'  
13397-13408' – squeezed  
Wolfcamp: 9852-9876' squeezed w/100 sxs Class H;  
9754-9762' squeezed w/ 500 gallons cealment.  
Cisco Canyon: 10502-10512' w/ 2 JSPF (21 holes)

Total Depth: 13408'; PBTD: 13240'

- 1.) MIRU well service rig. TOH w/rods and pump. Remove wellhead, release TA, install BOP, and TOH w/ tbg. Lay down 2 3/8" tbg. Unload and tally +/- 7,100' of 2 7/8" 6.5# N-80 tbg.
- 2.) TIH w/ bit and & csg. scraper to 10,500'. Test tbg. In hole. TOH.
- 3.) Set CIBP @ 10,400' w/ 35' of cement to abandon Cisco Canyon. Pump 100 bbls 2% KCL water downhole. Perforate Wolfcamp w/ 2 SPF @ 9,913'-9963'. TIH w/ 7" pkr. and tbg. Set pkr. @ 9,885'. Swab test.
- 4.) Acidize Wolfcamp perfs @ 9,913' to 63' w/ 5,500 gals. 15% HCL plus additives and 150 ballsealers. Swab test.
- 5.) TOH w/ tbg. & pkr. Perforate Wolfcamp w/ 2 SPF @ 9,802'-9817'. TIH w/ RBP, pkr, and tbg. Set RBP @ 9,840' and test. Set pkr. @ 9,770'.
- 6.) Acidize Wolfcamp perfs @ 9,802'-17' w/ 2,000 gals. 15% HCL plus additives and 50 ballsealers. Swab test.
- 7.) Release pkr. & retrieve RBP. TOH w/ same. TIH w/ production tbg. and TA w/ SN set below bottom perf. Remove BOP, set TA, and makeup wellhead. RIH w/ pump and rods. Hang well on.

Joe Wright