

Upper Penn  
Winchester  
Upper Penn  
320 acres  
Non-prorate  
87680  
100% deliver  
oper flow

East Millman 13 Federal No. 1  
Turkey Track (Canyon) Field  
Eddy County, New Mexico

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### Recommended Procedure

**Note: Hold safety meeting and job safety analysis prior to starting workover.**

1. MIRU pulling unit. Blow well down. Install and test a 5000 psi BOP. Kill well w/ 40 bbls 2% KCL water containing surfactants. Release Guiberson Uni-VI packer and POOH w/ 2-3/8" tubing. Note: send packer, wellhead and tree in to be refurbished.
2. RU wireline company and packoff. Run GR-CCL log from 11,100' back to 10,800' and 10,300' back to 8,600'. Correlate depths to Gearhart GR-CNL-FDC log dated 12/7/84. GIH w/ 5-1/2" CIBP setting @ 11,070'. Cap CIBP w/ 30' of cement using a dump bailer.
3. ND BOP. NU frac valve. Pressure test casing and CIBP to 3000 psi. ND frac valve. NU BOP.
4. / GIH w/ 4" gun loaded 2 shots/ft and perforate at the following intervals: 9785', 9786', 9787', 8790', 9791', 9792', 9799', 9800', 9801', 9830', 9831', 9832', 9833', 9834', 9835', 9836', 9837', 9838', 9850', 9851', 9852', 9853' (44 holes, Canyon).
5. GIH w/ 5-1/2" Guiberson Uni VI packer, 1.81" profile nipple and on/off tool w/ 1.875" profile on 2-3/8" N-80 tubing testing tubing to 6000 psi above slips. GIH to +/- 9700'. Pump down 2-3/8" tubing w/ 400 gals 15% HCL containing 2 gal/1000 HAI-85M corrosion inhibitor. Flush w/ 35 bbls 2% KCL water. Pump down backside and reverse out acid w/ 45 bbls 2% KCL water.
6. Lower packer to +/- 9850'. Spot 200 gals 15% NEFE across perfs. Pick up packer to 9700' and reverse acid back into tubing using 191 bbls packer fluid. Set packer @ 9700' w/ 15,000 lbs compression. ND BOP and install wellhead.
7. Put away acid on spot w/ 5 bbls 2% KCL water.
8. Swab back acid load. Note fluid level, fluid entry rate, and oil cut.
9. If necessary, RU Halliburton and tree saver. Pressure backside to 1000 psi. Acidize down 2-3/8" tubing w/ 2000 gals 15% HV-60 acid and 4000 gals 15% VCA acid containing 25% CO2 as follows: