

Well Name: Alp Fee 24-6B (J24NW)

Permit Estimated Formation Tops (MD / TVD)	Casing & Hole size	Actual Conditions (MD / TVD)
16" Conductor @ 60' Cement to surface with 5 yds redi-mix		16" Conductor @ 40' Cement to surface with 5 yds redi-mix
WasatchSurface / Surface 14.75" Hole to 200' MD 12.25" Hole to Surf TD		WasatchSurface/ Surface
12.25" Surface Hole		
Surface Casing1276 / 1250 9.625" - 36# - 55 Grade - 8 Round Cement to surface with: Lead: 330 sxs 12.5 Glass G 2.11 ft³/sk Tail: 134 sx, 15.8, Class G 1.17 ft³/sk Total: 463 sx (volume includes 80% excess)		Surface Casing1307' / 1249' 9-5/8" 36" J55 LTC Cemented to surface with Lead: 320 sxs 12.5# G at 2.11 ft³/sk Tail 150 sxs 15.8# G at 1.16 ft³/sk Total: 470 sxs
8.75" Hole to Top of Gas 7.875" Hole to TD		8.75" Hole to 6152' MD 7.875" Production Hole
TOC requirement 500ft above TOG		TOC from CBL: 3120' MD
Ohio Creek4206 / 3938 Mesaverde Marker4206 / 3938 Williams Fork5068 / 4730 Top Gas6256 / 5884 Coal Ridge7293 / 6921 Rollins8031 / 7659 Cozzette8607 / 8235 Corcoran8846 / 8474 Permit TD9346 / 8974		Ohio CreekNot picked Mesaverde Marker4245 / 3968 Williams Fork5124 / 4789 Top Gas6184 / 5830 Coal Ridge7248 / 6893 Rollins8042 / 7688 Cozzette8606 / 8251 Corcoran8877 / 8522 Actual TD9286' / 8931'
Production Casing9346 / 8974 4.5" - 11.6# - 80 Grade - Buttress Cement with: Lead: 112 sx, 12 TXI, 1.79 ft³/sk Tail: 640 sx, 13 TXI, 1.43 ft³/sk Total: 751 sx (volume includes 30% excess)		Production Casing9236' / 8881' 4.5" 11.6# S80 BTC Cement with: Lead: 0 Tail: 1176 sxs 13.5# TXI at 1.68 ft³/ Total: 1176 sxs