

Well Name: Alp Fee 24-3A (J24NW)

**Permit Estimated
Formation Tops
(MD / TVD)**

16" Conductor @ 60'

Cement to surface with 5 yds redi-mix

Wasatch	Surface / Surface
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14.75" Hole to 200' MD

12.25" Hole to Surf TD

Surface Casing	1183 / 1141
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9.625" - 36# - 55 Grade - 8 Round

Cement to surface with:

Lead: 305 sxs 12.5 Glass G 2.11 ft³/sk

Tail: 134 sx, 15.8, Class G 1.17 ft³/sk

Total: 439 sx

(volume includes 80% excess)

8.75" Hole to Top of Gas

7.875" Hole to TD

TOC requirement 500ft above TOG

Ohio Creek	4313 / 3943
Mesaverde Marker	4313 / 3943
Williams Fork	5228 / 4766
Top Gas	6313 / 5826
Coal Ridge	7369 / 6882
Rollins	8159 / 7672
Cozzette	8735 / 8248
Corcoran	8974 / 8487
Permit TD	9474 / 8987

Production Casing	9474 / 8987
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4.5" - 11.6# - 80 Grade - Buttress

Cement with:

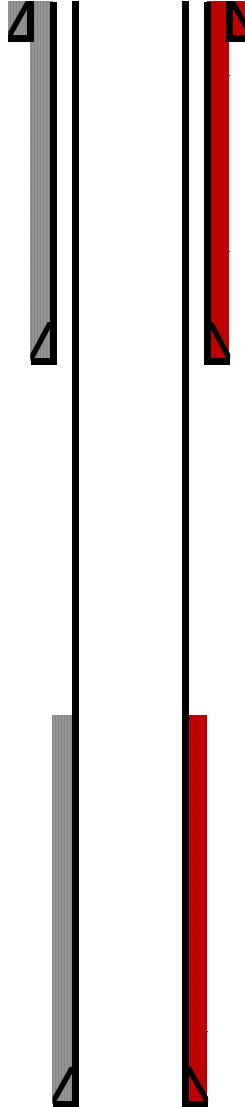
Lead: 112 sx, 12 TXI, 1.79 ft³/sk

Tail: 655 sx, 13 TXI, 1.43 ft³/sk

Total: 766 sx

(volume includes 30% excess)

**Casing &
Hole size**



**Actual
Conditions
(MD / TVD)**

16" Conductor @ 40'

Cement to surface with 5 yds redi-mix

Wasatch	Surface/ Surface
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12.25" Surface Hole

Surface Casing	1181 / 1139'
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9-5/8" 36" J55 LTC

Cemented to surface with

Lead: 295 sxs 12.5# G at 2.11 ft³/sk

Tail 150 sxs 15.8# G at 1.16 ft³/sk

Total: 445 sxs

8.75" Hole to 6,254' MD

7.875" Production Hole

TOC from CBL: 3,200' MD

Ohio Creek	Not picked
Mesaverde Marker	4358 / 3971
Williams Fork	5242 / 4771
Top Gas	6300 / 5813
Coal Ridge	7391 / 6904
Rollins	8178 / 7690
Cozzette	8741 / 8254
Corcoran	9010 / 8523
Actual TD	9420 / 8932

Production Casing	9399 / 8905
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4.5" 11.6# S80 BTC

Cement with:

Lead: 0

Tail: 1180 sxs 13.5# TXI at 1.68 ft³/sk

Total: 1180 sxs