

Well Name: Alp Fee 24-5D (J24NW)

Permit Estimated Formation Tops (MD / TVD)

16" Conductor @ 60'

Cement to surface with 5 yds redi-mix

Wasatch	Surface / Surface
14.75"	Hole to 200' MD
12.25"	Hole to Surf TD

Surface Casing	1307 / 1263
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9.625" - 36# - 55 Grade - 8 Round

Cement to surface with:

Lead: 338 sxs 12.5 Glass G 2.11 ft³/sk

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

Total: 472 sx

(volume includes 80% excess)

8.75" Hole to Top of Gas

7.875" Hole to TD

TOC requirement 500ft above TOG

Ohio Creek	4308 / 3931
Mesaverde Marker	4308 / 3931
Williams Fork	5196 / 4723
Top Gas	6384 / 5877
Coal Ridge	7421 / 6914
Rollins	8159 / 7652
Cozzette	- / -
Corcoran	- / -
Permit TD	8409 / 7902

Production Casing	8409 / 7902
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4.5" - 11.6# - 80 Grade - Buttress

Cement with:

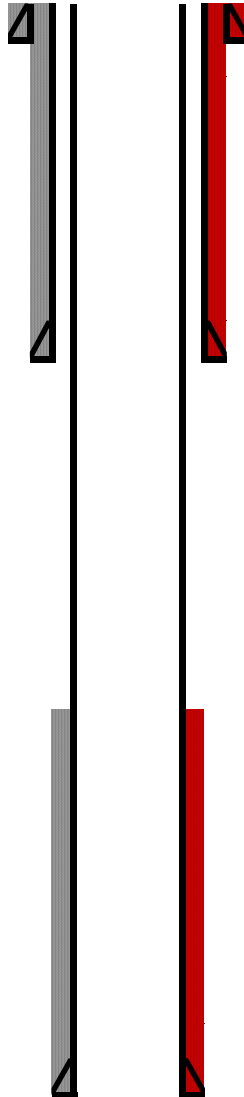
Lead: 112 sx, 12 TXI, 1.79 ft³/sk

Tail: 419 sx, 13 TXI, 1.43 ft³/sk

Total: 531 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	1350' / 1303'
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9-5/8" 36" J55 LTC

Cemented to surface with

Lead: 328 sxs 12.5# G at 2.11 ft³/sk

Tail 150 sxs 15.8# G & sxs 15.8# G at 1.16 ft³/sk

Total: 478 sxs

8.75" Hole to 6340' MD

7.875" Production Hole

TOC from CBL: 3250' MD

Ohio Creek	Not picked
Mesaverde Marker	4369 / 3972
Williams Fork	5200 / 4730
Top Gas	6316 / 5821
Coal Ridge	7375 / 6878
Rollins	8176 / 7678
Cozzette	N/A / N/A
Corcoran	N/A / N/A
Actual TD	8363' / 7865'

Production Casing	8339' / 7844'
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4.5" 11.6# S80 BTC

Cement with:

Lead: 703 sxs 12.5# TXI at 1.58 ft³/sk

Tail: 307 sxs 13# TXI at 1.88 ft³/sk

Total: 1010 sxs