

## Well Name: Alp Fee 24-2C (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	1078	/	1054
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9.625" - 36# - 55 Grade - 8 Round

Cement to surface with:

Lead: 277 sxs 12.5 Glass G 2.11 ft<sup>3</sup>/sk

Tail: 134 sx, 15.8, Class G 1.17 ft<sup>3</sup>/sk

Total: 410 sx

(volume includes 80% excess)

8.75" Hole to Top of Gas

7.875" Hole to TD

TOC requirement 500ft above TOG

Ohio Creek	4179	/	3931
Mesaverde Marker	4179	/	3931
Williams Fork	5066	/	4754
Top Gas	6151	/	5814
Coal Ridge	7207	/	6870
Rollins	7997	/	7660
Cozzette	-	/	-
Corcoran	-	/	-
Permit TD	8247	/	7910

Production Casing	8247	/	7910
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4.5" - 11.6# - 80 Grade - Buttress

Cement with:

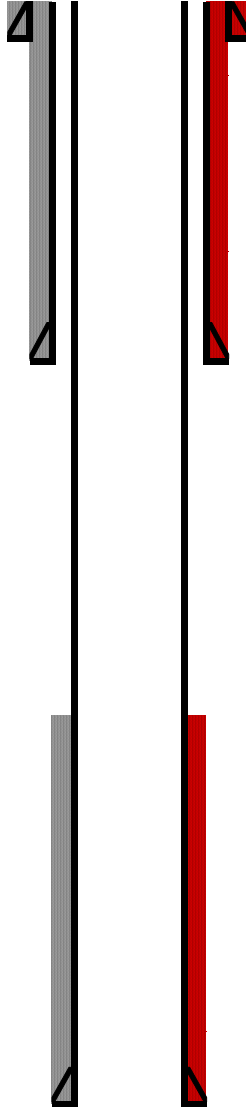
Lead: 112 sx, 12 TXI, 1.79 ft<sup>3</sup>/sk

Tail: 434 sx, 13 TXI, 1.43 ft<sup>3</sup>/sk

Total: 546 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	1133'	/	1104'
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9-5/8" 36" J55 LTC

Cemented to surface with

Lead: 266 sxs 12.5# G at 2.11 ft<sup>3</sup>/sk

Tail 150 sxs 15.8# G at 1.18 ft<sup>3</sup>/sk

Total: 416 sxs

8.75" Hole to 5300' MD

7.875" Production Hole

TOC from CBL: 3610' MD

Ohio Creek	Not picked
Mesaverde Marker	4206 / 3939
Williams Fork	5086 / 4769
Top Gas	6109 / 5774
Coal Ridge	7170 / 6834
Rollins	8003 / 7666
Cozzette	N/A / N/A
Corcoran	N/A / N/A
Actual TD	8143' / 7806'

Production Casing	8123'	/	7786'
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4.5" 11.6# S80 BTC

Cement with:

Lead: 548 sxs 12# TXI at 1.79 ft<sup>3</sup>/sk

Tail: 317 sxs 13# TXI at 1.88 ft<sup>3</sup>/sk

Total: 865 sxs