

Well Name: MCU 16-13CC (M16W)

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	1103 / 1100
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9.625" - 36# - 55 Grade - 8 Round

Cement to surface with:

Lead: 283 sxs 12.5 Glass G 2.11 ft³/sk

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

Total: 417 sx

(volume includes 80% excess)

8.75" Hole to Top of Gas

7.875" Hole to TD

TOC Requirement 200 ft above Mesa V

Ohio Creek	6342 / 6316
Mesaverde Marker	6342 / 6316
Williams Fork	7114 / 7085
Top Gas	7965 / 7933
Coal Ridge	9094 / 9062
Rollins	9890 / 9858
Cozzette	- / -
Corcoran	- / -
Permit TD	10140 / 10108

Production Casing	10140 / 10108
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4.5" - 11.6# - 80 Grade - Buttrass

Cement with:

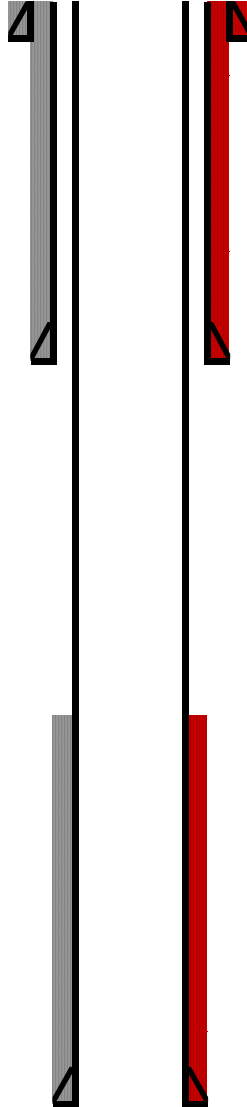
Lead: 407 sx, 12 TXI, 1.79 ft³/sk

Tail: 450 sx, 13 TXI, 1.43 ft³/sk

Total: 857 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
14.75"	to 186'
12.25"	Surface Hole

Surface Casing	1128' / 1125'
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9-5/8" 36" J55 LTC

Cemented to surface with

Lead: 273 sxs 12.5# G at 2.11 ft³/sk

Tail 148 sxs 15.8# G at 1.18 ft³/sk

Total: 421 sxs

8.75" Hole to 7715' MD

7.875" Production Hole

TOC from CBL: 5260' MD

Ohio Creek	Not picked
Mesaverde Marker	6334 / 6307
Williams Fork	7149 / 7119
Top Gas	7971 / 7939
Coal Ridge	9081 / 9048
Rollins	9891 / 9858
Cozzette	N/A / N/A
Corcoran	N/A / N/A
Actual TD	10074' / 10040'

Production Casing	10051' / 10019'
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4.5" 11.6# S80 BTC

Cement with:

Lead: 504 sxs 12# TXI at 1.79 ft³/sk

Tail: 331 sxs 13# TXI at 1.88 ft³/sk

Total: 835 sxs