

**Surface**  
**Federal**

**Minerals**  
**Federal**

**Name**  
**HMU 6-12D (J6SEB)**

**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	1250	/	1230
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**9.625" - 36# - 55 Grade - 8 Round**

Cement to surface with:

Lead: 323 sxs 12.5 Glass G 2.11 ft³/sk

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

Total: 456 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	-	/	-
Mesaverde Marker	5330	/	5200
Williams Fork	5948	/	5802
Top Gas	7004	/	6841
Coal Ridge	8074	/	7911
Rollins	8828	/	8665
Cozzette	-	/	-
Corcoran	-	/	-
Permit TD	9078	/	8915

Production Casing	9078	/	8915
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**4.5" - 11.6# - 80 - Buttruss**

Cement with:

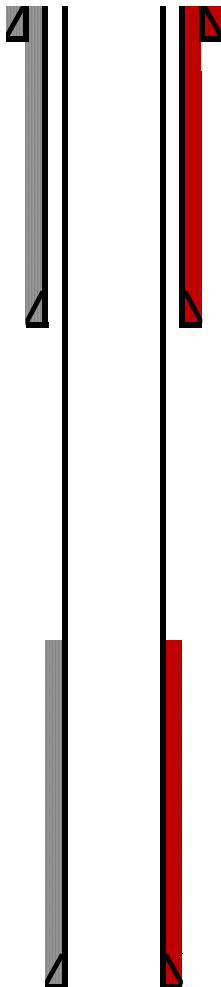
Lead: 418 sx, 12 TXI, 1.79 ft³/sk

Tail: 327 sx, 13 TXI, 1.88 ft³/sk

Total: 745 sx

(volume includes 30% excess)

**Casing &**  
**Hole size**



**Actual**  
**Conditions**  
**(MD / TVD)**

**16" Conductor @ 40'**

Cement to surface with 5 yds redi-mix (114 sks)

Wasatch	Surface /	Surface
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**12.25" Surface Hole** 1279 / 1257

Surface Casing	1259	/	1237
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**9.625" - 36# - 55 Grade - 8 Round**

Cemented to surface with

Lead: 250 sks 12.5ppg Class G 2.11 ft³/sk

Tail: 150 sks 15.8ppg Class G 1.17 ft³/sk

Total: 400 sks

60 bbls cement return to surface

**7.875" Production Hole** 7171 / 7005.47

**TOC from CBL:** 5075 / 4950.72

Ohio Creek	5211	/	5083
Mesaverde Marker	5211	/	5083
Williams Fork	5821	/	5676
Top Gas	6869	/	6703
Coal Ridge	7915	/	7750
Rollins	8666	/	8500
Cozzette	n/a	/	n/a
Corcoran	n/a	/	n/a
Actual TD	8988	/	8822

Production Casing	8968	/	8802
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**4.5" - 11.6# - 80 - Buttruss**

Cement with:

Lead: 612 sks, 12 ppg, TXI, 1.79 ft³/sk

Tail: 372 sks, 13 ppg, TXI, 1.88 ft³/sk

Total: 984 sks