

**Surface**  
**Fee**

**Minerals**  
**Federal**

**Name**  
**EnCana Federal 24-10D (K19CNE)**

Permit Estimated  
Formation Tops  
(MD / TVD)

**16" Conductor @ 40'**

Cement to surface with 5 yds redi-mix

Wasatch	Surface /	Surface
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**12 1/4 Surface Hole**

Surface Casing	1440	/	1365
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**9.625" - 36# - 55 Grade - 8 Round**

Cement to surface with:

Lead: 311 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: 444 sx

(volume includes 80% excess)

**7 7/8 Production Hole**

**TOC Requirement 200 ft above Mesa V**

Ohio Creek	-	/	-
Mesaverde Marker	4294	/	3859
Williams Fork	4978	/	4457
Top Gas	6178	/	5587
Coal Ridge	7363	/	6772
Rollins	8113	/	7522
Cozzette	-	/	-
Corcoran	-	/	-
Permit TD	8363	/	7772

Production Casing	8363	/	7772
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**4.5" - 11.6# - 80 Grade - Buttress**

Cement with:

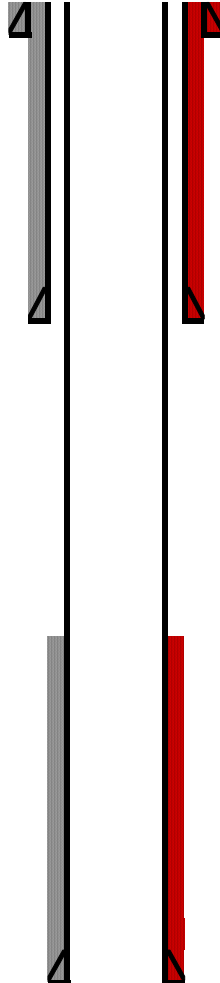
Lead: 345 sx, 12 TXI, 1.79 ft<sup>3</sup>/sk

Tail: 452 sx, 13 TXI, 1.43 ft<sup>3</sup>/sk

Total: 797 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 1/4 Surface Hole**

Surface Casing	1441	/	1364
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**9-5/8" 36" J55 LTC**

Cemented to surface with

Lead: 365 sxs 12.5# G at 2.11 ft<sup>3</sup>/sk

Tail 149 sxs 15.8# G at 1.18 ft<sup>3</sup>/sk

Total: 514 sxs

**8.75" Hole to 6444' MD**

**7 7/8 Production Hole**

**TOC from CBL: 3100' MD**

Ohio Creek	Not picked
Mesaverde Marker	4307 / 3874
Williams Fork	4945 / 4433
Top Gas	5991 / 5431
Coal Ridge	7083 / 6521
Rollins	8061 / 7500
Cozzette	N/A / N/A
Corcoran	N/A / N/A
Actual TD	8285 / 7723

Production Casing	8265	/	7703
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**4.5" 11.6# S80 BTC**

Cement with:

Lead: N/A

Tail: 1002 sxs 13.5# TXI at 1.68 ft<sup>3</sup>/sk

Total: 1002 sxs