

**Surface**  
**FEE**

**Minerals**  
**FEE**

**Name**  
**SHIDELER 19-16CC (O19EB)**

Permit Estimated  
Formation Tops  
(MD / TVD)

**16" Conductor @ 40'**

Cement to surface with 5 yds redi-mix

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

<b>Surface Casing</b>	<b>1100 / 1085</b>
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**9.625" - 36# - 55 GRADE - 8 ROUND**

Cement to surface with:

Lead: 282 sxs 12.5 Glass G 2.11 ft<sup>3</sup>/sk

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

Total: 416 sxs

(volume includes 80% excess)

**8.75" Hole to Top of Gas**

**7.875" Hole to TD**

**TOC requirement 500ft above TOG**

<b>Ohio Creek</b>	<b>- / -</b>
<b>Mesaverde Marker</b>	<b>3928 / 3823</b>
<b>Williams Fork</b>	<b>4429 / 4308</b>
<b>Top Gas</b>	<b>5333 / 5199</b>
<b>Coal Ridge</b>	<b>6760 / 6625</b>
<b>Rollins</b>	<b>7441 / 7306</b>
<b>Cozzette</b>	<b>- / -</b>
<b>Corcoran</b>	<b>- / -</b>
<b>Permit TD</b>	<b>7691 / 7556</b>

<b>Production Casing</b>	<b>7691 / 7556</b>
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**4.5" - 11.6# - 80 GRADE - BUTTRESS**

Cement with:

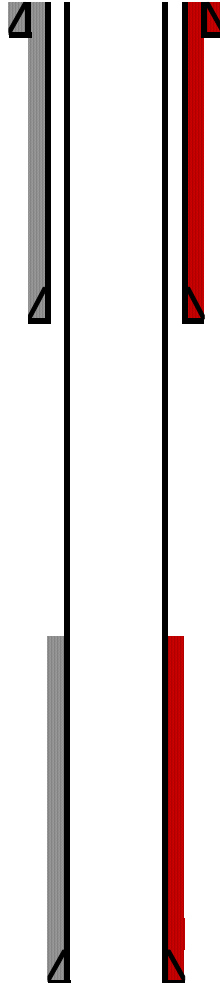
Lead: 112 sxs, 12 TXI, 1.79 ft<sup>3</sup>/sk

Tail: 488 sxs, 13 TXI, 1.43 ft<sup>3</sup>/sk

Total: 600 sxs

(volume includes 30% excess)

Casing &  
Hole size



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

**16" Conductor @ 40'**

Cement to surface with 5 yds redi-mix

<b>Wasatch</b>	<b>Surface/ Surface</b>
<b>14.75" to 151' MD</b>	
<b>12.25" Surface Hole</b>	

<b>Surface Casing</b>	<b>1150 / 1136</b>
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**9-5/8" 36# J55 LTC**

Cemented to surface with

Lead: 272 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: 421 sxs

**8.75" Hole to 6525' MD**

**7.875" Production Hole**

**TOC from CBL: 2690' MD**

**Ohio Creek (not picked)**

**Mesaverde Marker** **3821 / 3719**

**Williams Fork** **4340 / 4269**

**Top Gas** **5170 / 5038**

**Coal Ridge** **6625 / 6493**

**Rollins** **7309 / 7177**

**Cozzette** **N/A / N/A**

**Corcoran** **N/A / N/A**

**Actual TD** **7634 / 7502**

<b>Production Casing</b>	<b>7615 / 7483</b>
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**4.5" 11.6# S80 BTC**

Cement with:

Lead: 471 sxs 12# TXI at 1.79 ft<sup>3</sup>/sk

Tail: 482 sxs 13# TXI at 1.88 ft<sup>3</sup>/sk

Total: 953 sxs