Utah Energy Corporation
BLM Plan of Operations UTU-74631
Item G. Topsoil Pile Calculations

Areas Topsoil Calculations-*Topsoil Stockpile I*

Mine Yard: 220 x 65 = 14,300 ft^2 x 1 ft deep = 530 yd^3

Shop/Office Yard: 265 x 70 = 18,550 ft^2 x 1 ft deep = 687 yd^3

Waste Pile and Ore Stockpile: Ø
Previously removed ***1217 yd^3***

Calculated topsoil stockpile I
Use ellipsoid, volume x ½

Volume: 4/3 a b c
½ Volume: 4/3 ½ a b c

Where: a = 10 ft
b = 50 ft
c = 40 ft

Volume Stockpile: 4/3 ½ x 15 x 40 x 30 = 41,880 ft^3
1551 yd^3

Approximately 12 inches of soil material from a total of approximately .77 acres will be salvaged and stockpiled. The .075 area from which topsoil will be salvaged includes the Shop/Office Yard and the Mine Yard. Approximately 1,217 yd^3 of soil will be stockpiled.

Areas Topsoil Calculations-*Topsoil Stockpile II*

Area:

Waste Pile:

Salvage veneer of red talus from slope of hill to be buried by waste disposal:

Section: 5+00W	Cut	=	373 yd^3
Section 6+00W	Cut	=	373 yd^3
	Total Salvage		746 yd^3

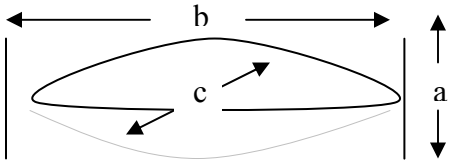
Cover: 1 foot deep 746 x 27 ft^3/yd = 20,142 ft^2 = 0.41 ac
Waste reclaimed 100 x 200 = 20,000 ft^2

Calculated topsoil stockpile II

Use ellipsoid, volume x ½

Volume: 4/3 abc
½ Volume: 4/3 ½ abc

where: a = 10 ft
b = 50 ft
c = 20 ft



Volume stockpile II = 4/3 ½
2.095 + 10x50x20 / 27 = 775 yd^3