Green River Formation

Garden Gulch Member

R-0 oil shale zone

Cow Ridge Member

Persistent ostracodal limestone ("B" marker)

Wasatch Formation

Mesaverde Formation

Covered

13

12

Partially covered

11

10

9

8

7

6

5

4

3

2

1

0

Hundreds of feet

Buff
Light
Medium
Dark
Black
Purple
Maroon

Clay
Silt
Very-Fine
Fine
Medium
Coarse
Conglomerate

Dolomitic, slightly fissile
2.5 in. thick, possibly tuff 2.5 ft from top. 4 in. thick *ostrocoda* limestone just below possible tuff
Dolomitic, fissile
interlayed kerogen rich and kerogen poor shale
Grad. contacts, fissile
fissile
Ostrocoda limestone beds are from 1 to 10 in. thick
fissile
Fissile, some thin *ostracode* beds
Dolomitic, slightly fissile
fissile
very fissile
fissile
fissile
fissile
fissile
very fissile, droopy ledge
slightly fissile
shells scattered throughout
abundant shells
sharp base
non-fissile
fissile
fissile
sharp base and top
some thin sandstone beds
Gyp
very silty, well laminated in upper 2 ft
Gyp
silty and not well laminated near top
fissile
fissile
.5 in. thick coal bed near base. some thin *ostrocoda* beds
fissile, droopy ledge
Gyp
abundant shells
6 in. thick coal
abundant shells
a few thin *ostrocoda* beds
fissile
a few thin *ostrocoda* beds
slightly fissile
a few thin *ostrocoda* beds
micritic
slightly fissile
clyst. ripups
fissile
gradational base
slightly fissile
abundant shells
fissile
fissile
fissile
fissile
very fissile
slightly fissile
micritic
2 in. thick coal at base
slightly fissile
micritic
fissile
Fairly persistant
several carbonaceous zones
slightly fissile
fissile
micritic
micritic
Possible stromatolite near base. some thin micrite beds
persistent
persistent
vericolored chert and quartz pebbles
carbonaceous zones
carbonaceous zones. chert pebbles
vericolored chert and quartz pebbles
irregular carb. zones
truncates at angle of ~10°
Sharp base
a few thin sandstone beds
mottled purple and gray
several clay st ptgs. some iron concreations
non-persistant
non-persistant
Plant fragments scattered thru.
Mottled purple and gray near base
Fissile
Some thin sandstone beds
Sharp base
Mostly drift ripples

EXPLANATION

Key to measured sections

Unweathered color

Green
Offset in section
12
11
10
Hundreds of feet
Buff to white
Light gray/green
Medium gray/green
Dark gray/green
Black
Purple
Maroon

Lithology

Large-scale lateral accretion
Covered
Thins along outcrop
Pinches out along outcrop
Irregular scour surface
Partially covered

Grain-size range

Pebbles and cobbles
Coarse sand
Medium sand
Fine sand
Very-fine sand
Silt
Clay

Internal characteristics

Mainly climbing ripples

200 FEET
100
0
Measured section scale

Lithology

Sandstone
Siltstone
Claystone, clayshale, or mudstone
Oil shale
Limestone
Ripup clasts
Calcareous sandstone
Calcareous siltstone
Calcareous or dolomitic mudrock
Thin beds of dolomite
Pebbles and cobbles
Carbonaceous or woody material

Internal Characteristics

Climbing ripples
Indistinct laminae
Horizontal stratification
Cross-stratification, 1 to 3 feet high
Cross-stratification, less than 1 foot high
Cross-stratification, less than 15 degrees
Ripples, nonspecific
Symmetrical ripples
Irregular stratification
Contorted stratification
Pelcypod
Oolites
Oncolites
Ostracodes
Gastropods
Turtle remains
Crocadile remains
Plant remains
Vertical burrows
Veinlets