E41,000 E42,000 E43,000 E44,000 E45,000 E46,000 E47,000 E48,000 E49,000 E50,000 E51,000

N62,000 N61,000 N60,000 N59,000 N58,000 N57,000 N56,000 N55,000 N54,000 N53,000 N52,000 N51,000

27 26 25 24 23 22 21 20 19 18 17 16 15 15a H 14 13 12 11 10 9 8 7 6 5 4 3 2 1

MOTOR ROAD

EXTENSION RAISE

PARTING

MAIN PARTING

MAIN

MOTOR ROAD

Coal outcrop

27a 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

15th Left
14th Left
13th Left
12th Right
11th Right
10th Right
9th Right
8th Right
7th Right
6th Right
5th Right
4th Right
3rd Right
2nd Right
1st Right

D U

Sunnyside fault zone

7.0 m (23 ft)

3.1 m (10 ft)

Data from logs of drill holes

EXPLANATION

- Coal
- Thick-bedded carbonaceous siltstone
- Slabby carbonaceous siltstone
- Medium-gray irregularly bedded iron-stained siltstone
- Irregularly and thinly bedded, carbonaceous sandy siltstone
- Irregularly and thinly bedded, carbonaceous sandy siltstone, containing jarosite, gypsum, and small coal lenses
- Carbonaceous siltstone containing vitrain slabby lenses and vitrain laminae
- Alternating layers of gray siltstone and carbonaceous siltstone with numerous slump structures and large horizontal burrows
- Fine grained, gray, massive siltstone containing carbonaceous laminae
- Fine-grained to very fine grained sandstone
- Thinly laminated carbonaceous siltstone
- Fault—Dashed where inferred. Bar and ball on downthrown side, separation values above ball where measured, separation restored on section
- • Point where stratigraphic section was measured
- H Stratigraphic section measured in hoist house

FEET METERS
10 3 8 2 6 4 1 2 0
0 500 1000 1500 2000 2500 FEET
0 300 600 900 1200 METERS

N

Land coordinate system from Kaiser Steel Corp.--established about 1900 by Utah Fuel Co., from a zero point south and west of Sunnyside Utah. Datum for sections is floor of mine.

Geology by C.R. Dunrud and F.W. Osterwald 1962

FENCE DIAGRAM THROUGH MAIN SLOPES AND MAIN MOTOR ROADS, SUNNYSIDE NO. 1 MINE, UTAH

By
F.W. Osterwald and C.R. Dunrud

1993