

- EXPLANATION**
- Recent**
- Qal**
Alluvium
Stratified sand, silt, and gravel; includes coarse unsorted flood deposits in Alvey Wash
- Qls**
Landslide deposits
At most places sandstone blocks from the Straight Cliffs Sandstone that have moved down steep slopes and lie on the Tropic Shale
- Qg1**
Terrace deposit
Stratified gravel and sand, largely boulders and cobbles 10 feet above present drainage
- Qg2**
Terrace deposit
Stratified gravel that contains boulders and cobbles of quartzite, volcanic rock, and limestone; 400 to 500 feet above present drainage
- Qc**
Colluvium
Mostly large blocks of Tertiary limestone as much as 10 feet in diameter, and some boulders and cobbles. Deposited when escarpment along Aquarius Plateau was far south of its present position
- Kw**
Wahweap Formation
Mostly olive-gray claystone and mudstone alternating with beds of grayish-orange medium-grained sandstone. Sandstone beds increase in number and are dark yellowish gray 500 feet above base; lenticular and have concretionary appearance near base. Only lower 720 feet of the 1,000-foot-thick formation exposed
- Ks**
Straight Cliffs Sandstone
Grayish-orange, tan, and light-gray fine- to medium-grained sandstone that forms massive cliffs, interbedded with gray shale, carbonaceous shale, siltstone, and coal. Some of the more persistent sandstones nearly to top of formation are marine and the interbedded rocks are commonly nonmarine. The two main coal zones are 1,170 and 770 feet above base of formation. Total thickness about 1,550 feet
- Kt**
Tropic Shale
Olive-gray shale; a few thin beds of grayish-orange fine-grained sandstone in upper half that become more prominent in upper 100 feet; some thin beds of bentonite and limestone concretions near base. Total thickness about 800 feet
- Kd**
Dakota Formation
Grayish-orange sandstone beds interbedded with light-olive-gray shale in upper half; coal beds at some places in about middle of formation; brownish-black carbonaceous claystone, shale, and siltstone and some beds of grayish-orange sandstone in lower part; at some places conglomerate is present at base. Total thickness about 140 feet but only uppermost sandstone crops out in this quadrangle

Dashed where inferred; number refers to coal section on sheet 2

Clinker of burned coal bed
Approximately located

Contact
Approximately located

Anticline
Showing crestline. Approximately located

Syncline
Showing troughline. Approximately located

Strike and dip of beds

Apparent dip

Horizontal beds

Tenneco Oil Co.
No. 2

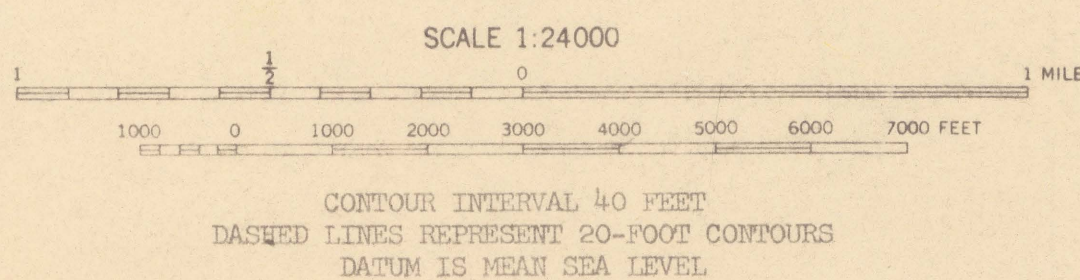
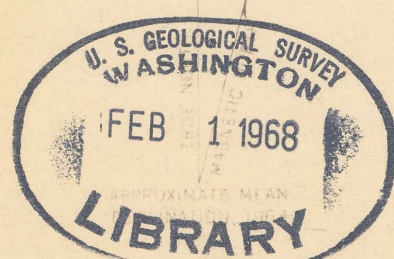
Oil well
California Co.
No. 1

Dry hole

Mine

Abandoned mine

Base map by U.S. Geological Survey,
preliminary edition, 1964
Mapped by Pacific Area, Geological Survey
This is an unedited copy of an original manu-
script including field additions made in 1964



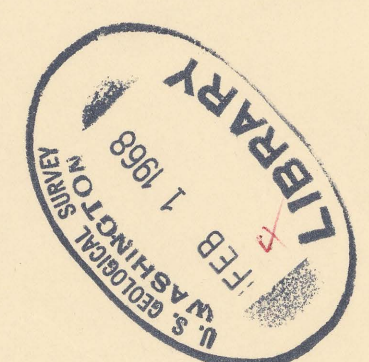
U. S. Geological Survey
OPEN FILE REPORT
This map is preliminary
and has not been edited or reviewed for
conformity with Geological Survey
standards or nomenclature.

Geology mapped in 1965
CANAAN CREEK, UTAH
GARFIELD CO.

PRELIMINARY GEOLOGIC MAP OF THE CANAAN CREEK QUADRANGLE, GARFIELD COUNTY, UTAH

By
Howard D. Zeller
1967

Utah (Canaan Creek quad). Geob. 1:24,000. 1967.
sheet 1
cop. 1



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sheet
1 of 2
c.1