UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARPAN QUADRANGLE
SOUTH DAKOTA—BUTTE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

5273 IV NE (ANTELOPE BUTTE)
5273 I NE (TWO TOP BUTTE EAST)
5273 I NW (TWO TOP BUTTE WEST)
5273 II NW (FRUITDALE)
5273 II NE (BELLE FOURCHE)
5273 IV SE (MUD BUTTES)
5273 I SE (TWO TOP BUTTE SE)
5273 I SW (NISLAND)

103°45′ — 42′30″ — 40′ — 103°37′30″
44°52′30″ — 44°45′
1 050 000 FEET
400 000 FEET
360 000 FEET
4969000m N. — 4956000m N.
599000m E. — 608000m E.

R. 3 E. — R. 4 E.
T. 11 N. — T. 10 N. — T. 9 N.
2.3 MI. TO U.S. 85
3.7 MI. TO U.S. 85
4.7 MI. TO U.S. 212

Hilderbrand Creek
Indian Creek
Bitter Creek
Guidinger Reservoir
SPILLWAY ELEV 2938
Gravel Pit
Woodworth Ranch
Gaging Station
FLUME
NORTH CANAL
Barker Sch
YOUNG LATERAL
ARPAN LATERAL
LAFLEMME LATERAL
GREGORY LATERAL
Arpan
Flume
Bitty Creek
Indian Creek
Creek
BELLE FOURCHE RESERVOIR
NORMAL POOL ELEVATION 2964

BM 2946 · BM 2933 · BM 3100 · BM 3094 · BM 3056 · BM 3016 · BM 3103 · BM 2943 · BM 2930 · BM 2904 · BM 2895 · BM 2889 · BM 2882 · BM 2878

Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1965

Polyconic projection. 1927 North American datum
10,000-foot grid based on South Dakota coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks, zone 13, shown in blue

Areas covered by dashed light-blue pattern are subject to controlled inundation

Fine red dashed lines indicate selected fence and field lines where generally visible on aerial photographs. This information is unchecked

UTM GRID AND 1965 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET
MN — GN — 0°55′ 16 MILS — 13½° 240 MILS

SCALE 1:24 000
1 MILE — 7000 FEET — 1 KILOMETER

CONTOUR INTERVAL 10 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION
Light-duty — Unimproved dirt

SOUTH DAKOTA
QUADRANGLE LOCATION

USGS
HISTORICAL FILE
TOPOGRAPHIC DIVISION

U.S.G.S.
FILE COPY
TOPOGRAPHIC DIVISION

3035
AUG 1 1967

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