UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

GRAYS WELL NE QUADRANGLE
CALIFORNIA—ARIZONA
7.5 MINUTE SERIES (TOPOGRAPHIC)

3049 IV SW (CACTUS)
3049 I SW (ARAZ)
3049 III NW (GRAYS WELL)
(YUMA WEST) 3049 II NW
(SOMERTON) 3049 II SW

114°52'30" 32°45' 114°45' 42'30" 40' 32°37'30"

160 000 FEET (ARIZ.) 702000m E. 50' 704 706 47'30" 709 2 460 000 FEET (CALIF.)

3049 IV (OGILBY 1:62 500)

R. 20 E. R. 21 E.

3624000m N. 630 000 FEET (ARIZ.) 3624 210 000 FEET (CALIF.) T. 16 S.

3622 3621 3620 3619 3618 3617 3616 3615 3614 3613 3612 170 000 FEET (CALIF.)

600 000 FEET (ARIZ.) T. 9 S.

3612000m N.

2 430 000 FEET (CALIF.) 700 701 703 50' 704 705 706 707 47'30" 708 709000m E. 190 000 FEET (ARIZ.)

BM 196 — 42 MI. TO CALIF. 86 (EL CENTRO EXIT) GORDONS WELL EXIT 6 MI.

BM 278 — BM × 280 — WINTERHAVEN EXIT 6 MI. YUMA EXIT, ARIZ. 8 MI.

ALL AMERICAN CANAL — PRIVATE

I M P E R I A L S A N D D U N E S

S A N D R E C R E A T I O N L A N D S

S A N D H I L L S

P I L O T K N O B M E S A

Pilot Knob

Mile 18 — Mile 16

YUMA CO

COLORADO RIVER

SOUTHERN PACIFIC CANAL

MAIN CANAL

PESCH. CANAL

YUMA VALLEY

12TH ST — 13TH ST — 14TH ST

YUMA 11 MI.

BAJA CALIFORNIA NORTE — ARIZONA

MEXICO — UNITED STATES

CALIFORNIA — BAJA CALIFORNIA NORTE

UNITED STATES — MEXICO

209 — 208 IMPERIAL CO

Well — BM 113

R 24 W — R 25 W — R 20 E — R 21 E

COCOPAH INDIAN RESERVATION

GADSDEN 8.3 MI. — (GADSDEN) 3049 III SE

Mapped, edited, and published by the Geological Survey
in cooperation with the State of California

Control by USGS, NOS/NOAA

Topography by photogrammetric methods from aerial photographs taken 1948 and planetable surveys 1953. Revised from aerial photographs taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grids based on California coordinate system, zone 6, and Arizona coordinate system, west zone
1000-meter Universal Transverse Mercator grid ticks, zone 11, shown in blue
To place on the predicted North American Datum 1983, move the projection lines 5 meters south and 73 meters east as shown by dashed corner ticks
There may be private inholdings within the boundaries of the National or State reservations shown on this map

UTM GRID AND 1979 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24000

CONTOUR INTERVAL 20 FEET
DOTTED LINES REPRESENT 5-FOOT CONTOURS
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

GEOSCIENCES AND NATURAL RESOURCES DEPARTMENT
MAP LIBRARIES
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ROAD CLASSIFICATION
Heavy-duty — Light-duty
Unimproved dirt
Interstate Route — U.S. Route

CALIF — QUADRANGLE LOCATION

Revisions shown in purple and woodland compiled from aerial photographs taken 1976 and other source data
This information not field checked. Map edited 1979

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1979

GRAYS WELL NE, CALIF.—ARIZ.
N3237.5—W11445/7.5

1964
PHOTOREVISED 1979
DMA 3049 III NE—SERIES V895

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