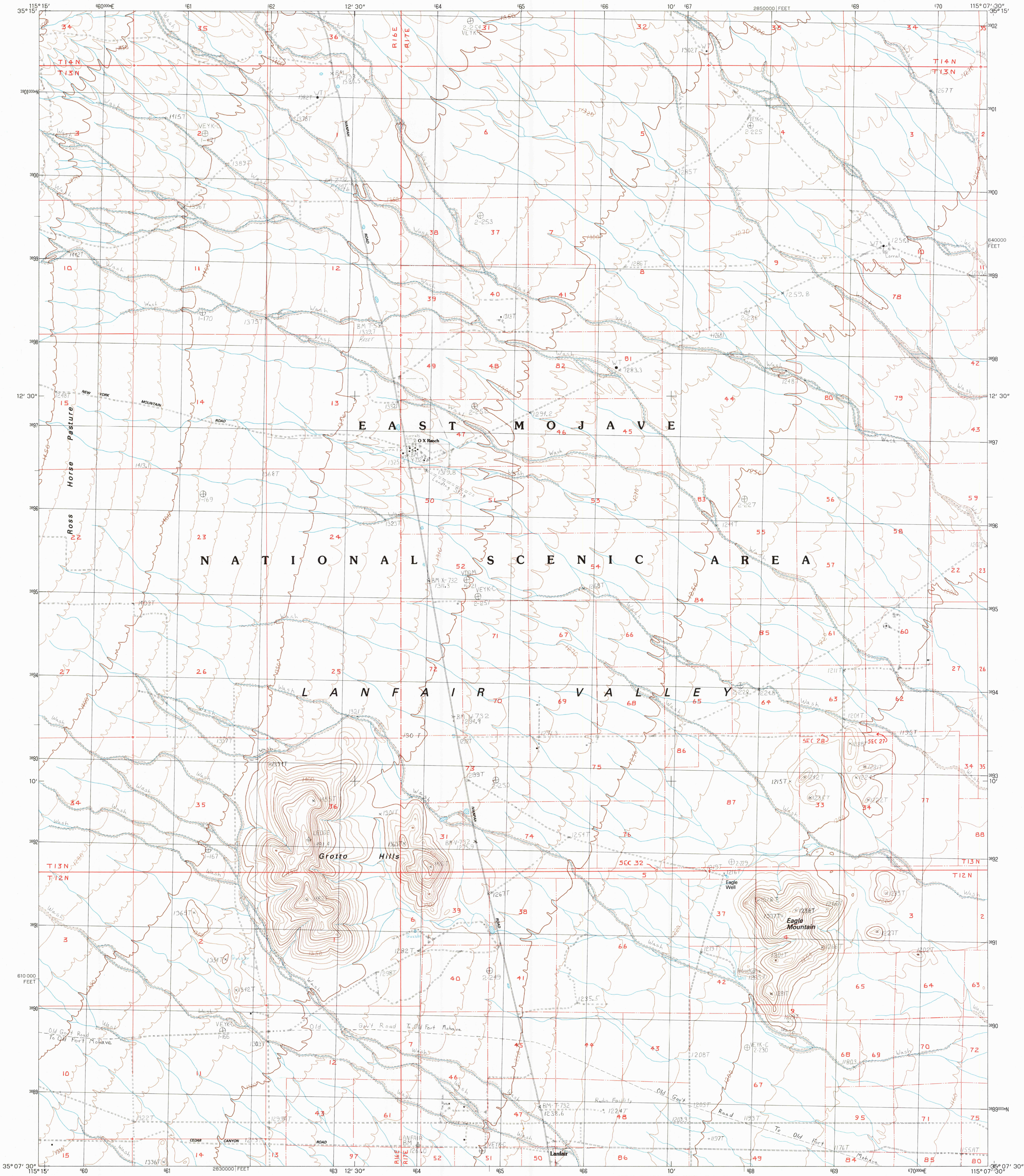




PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
CONTROL BY: USGS, NOS/NOAA
COMPILED FROM AERIAL PHOTOGRAPHS TAKEN: 1975-1980
FIELD CHECKED: 1981. MAP EDITED: 1984
PROJECTION: UNIVERSAL TRANSVERSE MERCATOR
GRID: 1000-METER UNIVERSAL TRANSVERSE MERCATOR - ZONE 11
10,000-FOOT STATE GRID TICKS: CALIFORNIA ZONE 5
UTM GRID DECLINATION: 1908 EAST
1980 MAGNETIC NORTH DECLINATION: 14° EAST
VERTICAL DATUM: NATIONAL GEODETIC VERTICAL DATUM OF 1929
HORIZONTAL DATUM: 1927 NORTH AMERICAN DATUM
To place on the predicted North American Datum of 1983,
move the projection lines as shown by dashed corner ticks
(3 meters north / 75 meters east)
There may be private inholdings within the boundaries of any
Federal and State Reservations shown on this map

PROVISIONAL MAP
Produced from original
manuscript drawings. Informa-
tion shown as of date of
field check.

SCALE 1:24 000
KILOMETERS
METERS
FEET
CONTOUR INTERVAL 10 METERS
CONTROL ELEVATIONS SHOWN TO THE NEAREST 0.1 METER
OTHER ELEVATIONS SHOWN TO THE NEAREST METER
To convert meters to feet multiply by 3.2808
To convert feet to meters multiply by 0.3048
THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

CONTOURS AND ELEVATIONS IN METERS
ROAD LEGEND
Improved Road.....
Unimproved Road.....
Trail.....
Interstate Route U.S. Route State Route
QUADRANGLE LOCATION
ADJOINING 7.5 QUADRANGLE NAMES
1 Ivanpah
2 Castle Peaks
3 Hart Peak
4 Pinto Valley
5 E. of Grotto Hills
6 Woods Mtn.
7 Hackberry Mtn.
8 Signal Hill
GROTTO HILLS, CALIF.
PROVISIONAL EDITION 1984
35115-B2-TM-024