

# HABS/HAER INVENTORY

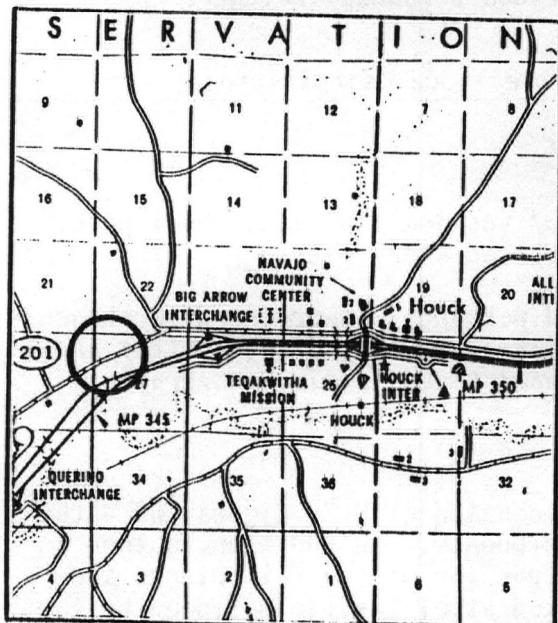
See "HABS/HAER Inventory Guidelines" before filling out this card.

<b>1. NAME(S) OF STRUCTURE</b> Querino Canyon Bridge		<b>3. DATE(S) OF CONSTRUCTION</b> 1930
<b>2. LOCATION</b> Old U.S. Highway 66 over Querino Canyon 3.8 miles southwest of Houck; SW1/4 S28 T22N R29E Apache County, Arizona		<b>4. USE (ORIGINAL/CURRENT)</b> highway bridge / roadway bridge
<b>5. RATING</b>		<b>6. CONDITION</b> NRHP eligible: local significance
<b>7. DESCRIPTION</b>  span number : 3 span length : 77.0' total length: 269.0' roadway wdt.: 20.0'	owner: Apache County  superstructure: riveted steel, 8-panel Warren deck truss w/ verticals at alt. panel points substructure : concrete abutments and pier pedestals w/ braced steel piers floor/decking : concrete deck over steel stringers other features: upper chord: 2 channels w/ cover plate and webbing; lower chord: 2 channels w/ batten plates; vertical: wide flange; diagonal: wide flange; strut and lateral bracing: 1 angle; floor beam: I beam; steel lattice guardrails	
<b>8. HISTORICAL DATA</b>  In 1929, the Arizona Highway Department undertook an extensive rehabilitation and relocation of U.S. Highway 66 - the major east-west artery across northern Arizona - between Sanders and Lupton in Apache County. In addition to the approximately 22.5 miles of roadway grading and surfacing, the project included construction of several bridges and drainage structures. Largest of these was the Querino Canyon Bridge, a concrete-decked steel trestle designed by AHD with three Pratt deck trusses supported by steel piers. In November, AHD awarded the contract for the entire project (Federal Aid Project 83-A) to Phoenix contractor F.D. Shufflebarger for \$184,604. Shufflebarger began work on the highway at year's end, and on the bridge in 1930. Using material manufactured by the Inland Steel Company, he completed the bridge behind schedule by December 1930. This section of the highway was reduced to county road status in the 1960s by construction of Interstate 40, and the Querino Canyon Bridge remains intact, carrying local traffic on the Navajo Indian Reservation.		
<b>9. SIGNIFICANCE</b>  An important crossing of rerouted U.S. 66, the Querino Canyon Bridge formed an integral link on one of America's primary transcontinental routes. It is one of four multi-span, deck-trussed trestles identified in the inventory (others: Dead Indian Canyon (0032); Black River (3128); and Sand Hollow Wash (8662)). All were erected between 1929 and 1934 at rural crossings in the northern half of the state, all spanned between 77' and 116', and all were designed and built either by AHD or by the U.S. Bureau of Public Roads, using industry-standard truss detailing. Picturesquely sited over the rugged canyon, the Querino Bridge is a typically configured example of early highway truss design.		

10. NAME(S) OF STRUCTURE

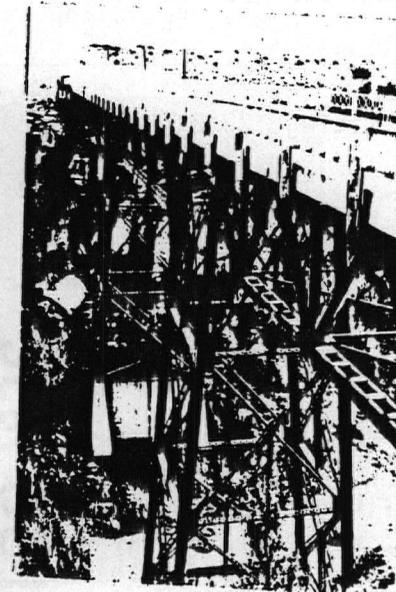
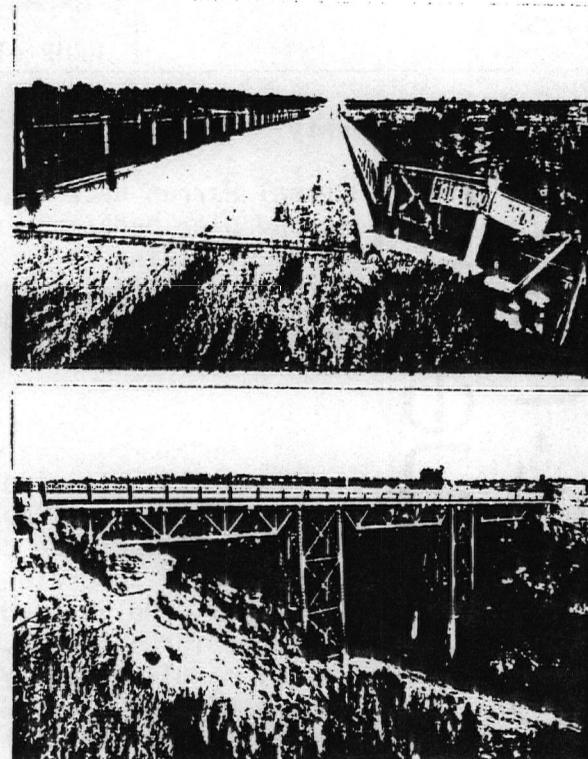
Querino Canyon Bridge

11. PHOTOS (W/ FILM ROLL & FRAME NO.) AND SKETCH MAP OF LOCATION



LOCATION MAP

TAKEN FROM DEPARTMENT OF TRANSPORTATION  
GENERAL HIGHWAY MAP



Bridge Record, Arizona City Streets and County Roads: 8071; Structures Section, Arizona Department of Transportation, Phoenix AZ.

"Department Closed Brilliant Construction Year," Arizona Highways, 7:1931:3.

Arizona Highways, 11:1929:21; 1:1930:30; 2:1930:24; 2:1930:18; 4:1930:17; 6:1930:18; 7:1930:22; 8:1930:19; 9:1930:18; 10:1930:14; 11:1930:16; 12:1930:23.

Field inspection by Clayton Fraser, 10 October 1986.

12. SOURCES

13. INVENTORIED BY:

Clayton B. Fraser

AFFILIATION

Fraserdesign Loveland Colorado

DATE

1 April 1987

United States Department of the Interior  
National Park ServiceNational Register of Historic Places  
Continuation Sheet

Section number \_\_\_\_\_ Page \_\_\_\_\_

## SUPPLEMENTARY LISTING RECORD

NRIS Reference Number: VariousDate Listed: 9/30/88Various  
Property NameVarious  
CountyArizona  
StateVehicular Bridges in Arizona  
Multiple Name

This property is listed in the National Register of Historic Places in accordance with the attached nomination documentation subject to the following exceptions, exclusions, or amendments, notwithstanding the National Park Service certification included in the nomination documentation.

for Patrick Andrus  
Signature of the Keeper

9/30/88  
Date of Action

## Amended Items in Nomination:

There were several nominations included with this multiple property submission which defined and justified periods of significance extending into the less than fifty year old range to correspond with criterion A significance although the resources' dates of construction actually occurred well over fifty years ago. For all of these bridges, the period of significance should be concluded in 1938 to conform with National Register requirements. The following bridges are included in this category:

Petrified Forest, Querino, Hereford, Douglas Underpass, Dead Indian Canyon, Pumphouse Wash, Walnut Canyon, Fossil Creek, Black River, Salt River, Salt River Canyon, Reppy Avenue, Black Gap, Gila River, Park Avenue, Solomonville Road Overpass, Solomonville Road Overpass (Clifton), Gila Bend Overpass, Hassayampa River, Lewis and Pranty Creek, Mormon Flat, Fish Creek, Pine Creek, Sand Hollow Wash, Old Trails, Corduroy, Cedar Canyon, Holbrook, Jack's Canyon, Little Lithodendron Wash, Lithodendron Wash, St. Joseph, Woodruff, Cienega, Fourth Avenue Underpass, Sixth Avenue Underpass, Stone Avenue Underpass, Alchesay Canyon, Devil's Canyon, Queen Creek (Florence Junction vicinity), Queen Creek (Superior vicinity), Kelvin, Mineral Creek, Sacaton Dam, San Tan Canal, Winkelman, Santa Cruz No. 1, Broadway, Hell Canyon, Little Hell Canyon, Lynx Creek, Verde River, and Walnut Grove. (Period of significance issues discussed with Pat Stein of the AZ SHPO.)

## DISTRIBUTION:

National Register property file

Nominating Authority (without nomination attachment)

United States Department of the Interior  
National Park ServiceNational Register of Historic Places  
Continuation Sheet

Section number \_\_\_\_\_ Page \_\_\_\_\_

Multiple Resource Area  
Thematic GroupName Vehicular Bridges in Arizona MPS  
State Apache County and others, ARIZONA

Nomination/Type of Review

Date/Signature

Cover	Entered in the <u>National Register</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
1. Allentown Bridge		Keeper	<u>Alma Byers</u> 9/30/88
		Attest	
S 2. Petrified Forest Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
3. Querino Canyon Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
S 4. Sanders Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
5. Desert Wash Bridge	<u>Substantive Review</u>	Keeper	<u>Return</u>
		Attest	
S 6. Douglas Underpass	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
7. Hereford Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
S 8. Canyon Diablo Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	
9. Canyon Padre Bridge	Entered in the <u>National Register</u>	Keeper	<u>Alma Byers</u> 9/30/88
		Attest	
S 10. Dead Indian Canyon Bridge	<u>Substantive Review</u>	for Keeper	<u>Patrick Andrus</u> 9/30/88
		Attest	

UNITED STATES DEPARTMENT OF THE INTERIOR  
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES  
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Querino Canyon Bridge

MULTIPLE NAME: Vehicular Bridges in Arizona MPS

STATE & COUNTY: ARIZONA, Apache

DATE RECEIVED: 8/17/88 DATE OF PENDING LIST: 8/30/88  
DATE OF 16TH DAY: 9/15/88 DATE OF 45TH DAY: 10/01/88  
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 88001623

NOMINATOR: STATE

REASONS FOR REVIEW:

APPEAL: N DATA PROBLEM: Y LANDSCAPE: N LESS THAN 50 YEARS: Y  
OTHER: N PDIL: N PERIOD: Y PROGRAM UNAPPROVED: N  
REQUEST: N SAMPLE: N SLR DRAFT: N

COMMENT WAIVER: N

ACCEPT  RETURN  REJECT 9/30/88 DATE

ABSTRACT/SUMMARY COMMENTS:

ABSTRACT/SUMMARY COMMENTS (CONTINUED FROM PREVIOUS SIDE)

Significance justified. SLR completed to resolve period of significance question.

Decision: Accept A, C  
Date: 9/30/88  
Signature: Noble  
Title: Historian

DOCUMENTATION see attached comments Y/N see attached SLR Y/N

CLASSIFICATION

count  resource type

STATE/FEDERAL AGENCY CERTIFICATION

FUNCTION

historic  current

DESCRIPTION

architectural classification  materials  descriptive text

SIGNIFICANCE

criteria  criteria considerations  areas of sig.  
 periods of sig.  significant dates  cultural affl.  
 sig. person  architect/builder  sig. statement

BIBLIOGRAPHY

GEOGRAPHICAL DATA

acreage  verbal boundary description  
 UTM's  boundary justification

ACCOMPANYING DOCUMENTATION/PRESENTATION

sketch maps  USGS maps  photographs  presentation

OTHER COMMENTS

Questions concerning the nomination may be directed to

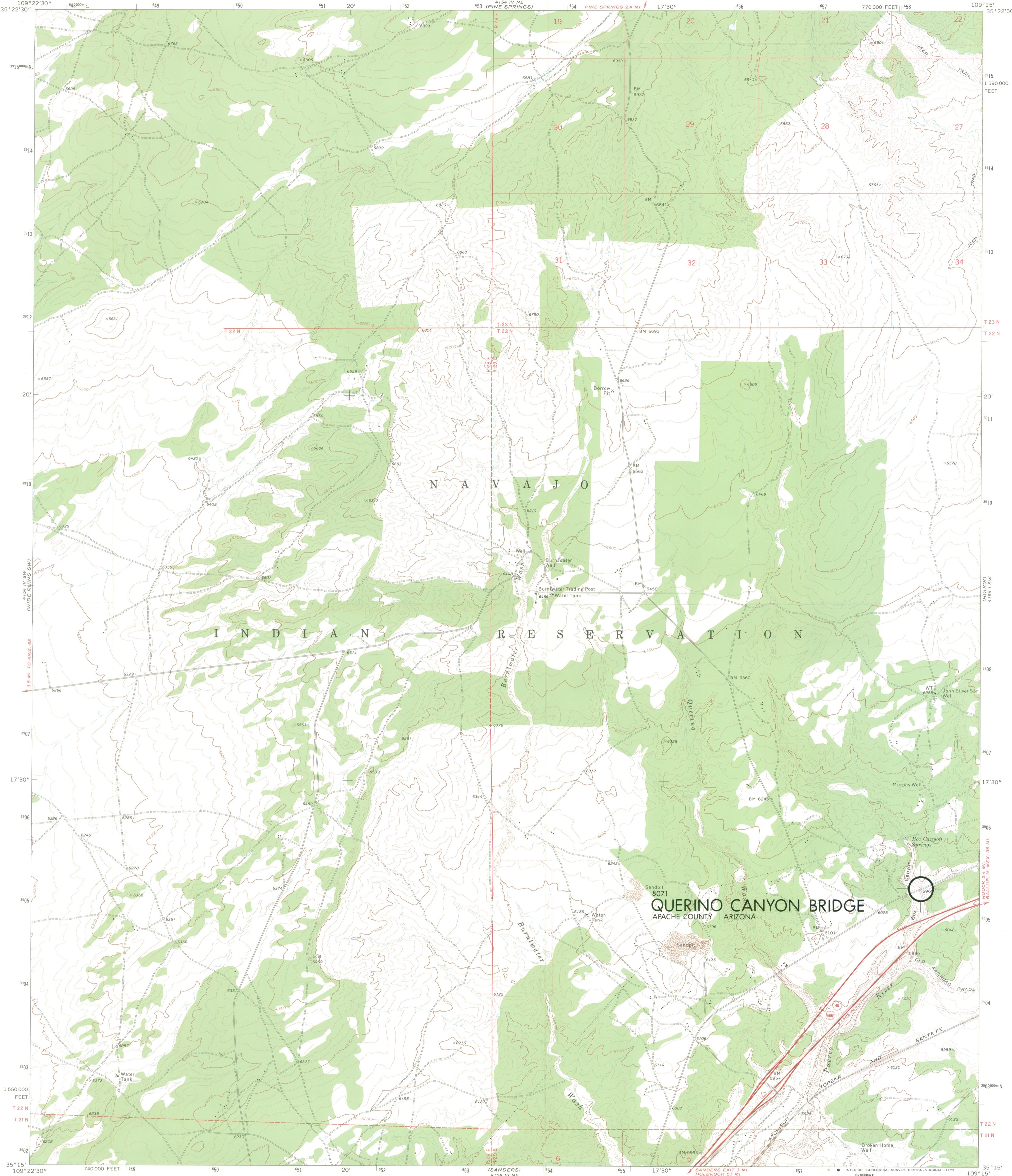
Signed \_\_\_\_\_ Date \_\_\_\_\_ Phone \_\_\_\_\_



38) 8071 QUERINO CANYON BRIDGE (ARIZONA VEHICULAR BRIDGE)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

BURNTWATER WASH QUADRANGLE  
ARIZONA—APACHE CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey

Control by USGS and NOS/NOAA  
Topography by photogrammetric methods from aerial photographs taken 1970. Field checked 1971

Projection and 10,000-foot grid ticks: Arizona coordinate system, east zone (transverse Mercator)  
1000-metre Universal Transverse Mercator grid ticks, zone 12, shown in blue. 1927 North American datum

Fine red dashed lines indicate selected fence lines

Where omitted, land lines have not been established or are not shown because of insufficient data

GN  
M/N  
0°58' 17 MILS  
131° 240 MILS  
UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U.S. GEOLOGICAL SURVEY, DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

SCALE 1:24 000  
CONTOUR INTERVAL 20 FEET  
NATIONAL GEODETIC VERTICAL DATUM OF 1929



ROAD CLASSIFICATION  
Primary highway, hard surface  
Secondary highway, hard surface  
Unimproved road

Light-duty road, hard or improved surface  
Secondary highway, hard surface  
Unimproved road

Interstate Route  
U.S. Route  
State Route

BURNTWATER WASH, ARIZ.  
N3515—W10915/7.5

1971

AMS 4154 IV SE-SERIES V898