

**United States Department of the Interior
National Park Service**

**NATIONAL REGISTER OF HISTORIC PLACES
REGISTRATION FORM**



1. NAME OF PROPERTY

HISTORIC NAME: Hubbard Creek Bridge
OTHER NAMES/SITE NUMBER: FM 601 Bridge at Hubbard Creek; SF0107-03-012

2. LOCATION

STREET & NUMBER: FM 601, 7.5 miles east of junction with SH 6 **NOT FOR PUBLICATION:** N/A
CITY OR TOWN: Albany **VICINITY:** X
STATE: Texas **CODE:** TX **COUNTY:** Shackelford **CODE:** 417 **ZIP CODE:** 76430

3. STATE/FEDERAL AGENCY CERTIFICATION

As the designated authority under the National Historic Preservation Act, as amended, I hereby certify that this nomination request for determination of eligibility meets the documentation standards for registering properties in the National Register of Historic Places and meets the procedural and professional requirements set forth in 36 CFR Part 60. In my opinion, the property meets does not meet the National Register criteria. I recommend that this property be considered significant nationally statewide locally. (See continuation sheet for additional comments.)

Lawrence J. ...
Signature of certifying official

9-6-96
Date

State Historic Preservation Officer, Texas Historical Commission

State or Federal agency and bureau

In my opinion, the property meets does not meet the National Register criteria.
(See continuation sheet for additional comments.)

Signature of commenting or other official

Date

State or Federal agency and bureau

4. NATIONAL PARK SERVICE CERTIFICATION

I hereby certify that this property is:

- entered in the National Register
 See continuation sheet.
- determined eligible for the National Register
 See continuation sheet.
- determined not eligible for the National Register
- removed from the National Register
- other (explain): _____

Edson H. Beall
Signature of the Keeper

Date of Action

10-10-96

5. CLASSIFICATION

OWNERSHIP OF PROPERTY: public-State

CATEGORY OF PROPERTY: structure

NUMBER OF RESOURCES WITHIN PROPERTY:	CONTRIBUTING	NONCONTRIBUTING
	0	0 BUILDINGS
	0	0 SITES
	1	0 STRUCTURES
	0	0 OBJECTS
	1	0 TOTAL

NUMBER OF CONTRIBUTING RESOURCES PREVIOUSLY LISTED IN THE NATIONAL REGISTER: 0

NAME OF RELATED MULTIPLE PROPERTY LISTING: Historic Bridges of Texas, 1866-1945

6. FUNCTION OR USE

HISTORIC FUNCTIONS: TRANSPORTATION/road-related (vehicular)

CURRENT FUNCTIONS: TRANSPORTATION/road-related (vehicular)

7. DESCRIPTION

ARCHITECTURAL CLASSIFICATION: Other: Pratt through truss bridge

MATERIALS: FOUNDATION substructure: concrete piers and bents

WALLS N/A

ROOF N/A

OTHER superstructure: steel truss

NARRATIVE DESCRIPTION (see continuation sheets 7-1 through 7-3)

United States Department of the Interior
National Park ServiceNational Register of Historic Places
Continuation SheetHistoric Bridges of Texas
Hubbard Creek Bridge
Shackelford County, TexasSection number 7 Page 1

Description:

The Hubbard Creek Bridge consists of a single 150-foot Pratt through truss span and four concrete girder approach spans (see Photographs 1 and 2). The bridge crosses Hubbard Creek on Farm-to-Market Road (FM) 601, a 13-mile stretch of road linking Ibex with Albany, the county seat. Ibex experienced an oil boom in the 1920s. FM 601 is in eastern Shackelford County in North Central Texas, where the rolling prairie region and the Western Cross Timbers region meet (see Figure 1).

The bridge uses a riveted Pratt through truss for its main span. Although it does not conform to any known Texas Highway Department (THD) standard designs, the span's configuration and scale resemble other THD Pratt through truss designs (see Figure 2). The concrete approach spans, piers and bents, however, do conform to standard designs developed by THD's Bridge Division. In addition, the approach spans display THD standard Type D open concrete railing. Truss railing consists of two rows of 5-inch deep steel channels attached to steel angle intermediate and end posts.

In 1928 and 1929, Crouch and Noland built the Hubbard Creek Bridge under contract to the Shackelford County Commissioner's Court. In 1948, THD upgraded the road and designated it FM 601. The project included the realignment of the original road and the construction of several concrete bridges and culverts; the Hubbard Creek Bridge was unaffected. With the designation of the road as part of the state highway system, the bridge came under THD ownership. THD has not performed any major repair on this bridge. As such, the bridge retains integrity of design, materials and workmanship. Despite the 1948 improvement, the bridge's surroundings appear relatively unchanged, maintaining integrity of location, setting, feeling and association. Although no projects are currently planned for this bridge, its BRINSAP sufficiency rating as of August 1995 is 61.9, making the bridge eligible for rehabilitation, but not replacement, under the federal Highway Bridge Replacement and Rehabilitation Program (HBRRP).

GENERAL SPECS

TRUSS TYPE: Pratt through
THD STD. DESIGN: n/a
NO. TRUSS SPANS: 1
TRUSS SPAN LENGTH: 150'
ROADWAY WIDTH: 18'
DECK WIDTH: 20'
APPROACH SPANS: 4 - 28'6" G-263 girder spans
OVERALL LENGTH: 265'

SPECIAL FEATURES

BRIDGE PLAQUE: none
APPROACH RAILING: Type D concrete railing
OTHER: none

SUPERSTRUCTURE

TRUSS DEPTH: 24'0"
TRUSS PANELS: 8 - 18'9" panels
TOP CHORD & END POSTS: 2 channels w/ cover plate and lacing
BOTTOM CHORD: 2 pairs of double angles w/ batten plates
VERTICAL POSTS: 2 pairs of double angles w/ plate
DIAGONAL MEMBERS: 2 angles w/ plate
DECK TYPE: concrete deck

SUBSTRUCTURE

PIERS/INTERIOR BENTS: concrete piers and bents
THD STD. DESIGN: P-3 and BG-18
ABUTMENTS/END BENTS: concrete end bents
THD STD. DESIGN: B-7

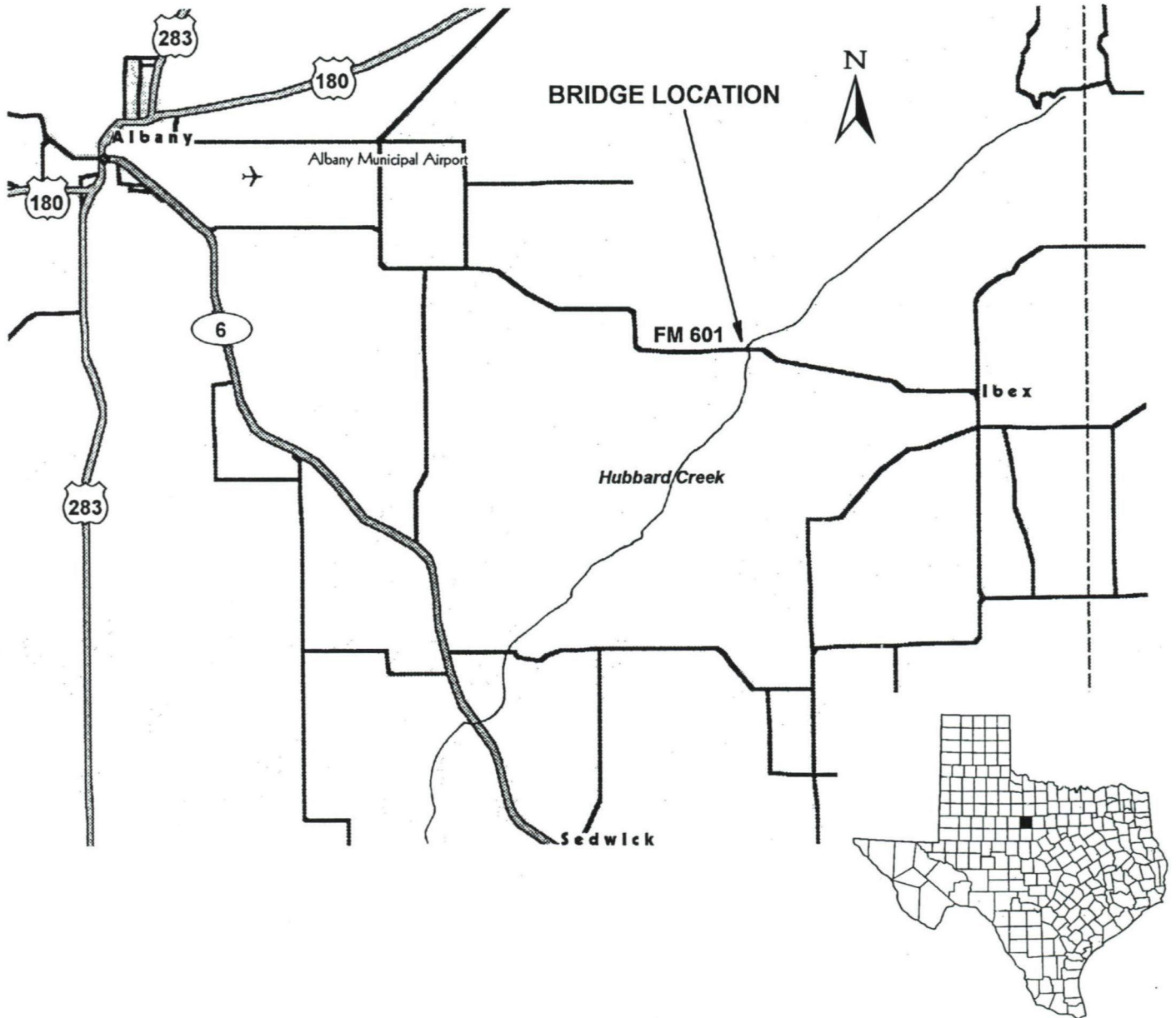
United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Texas
Hubbard Creek Bridge
Shackelford County, Texas

Section number 7 Page 2

Figure 1. Map of eastern Shackelford County showing the location of the Hubbard Creek Bridge.



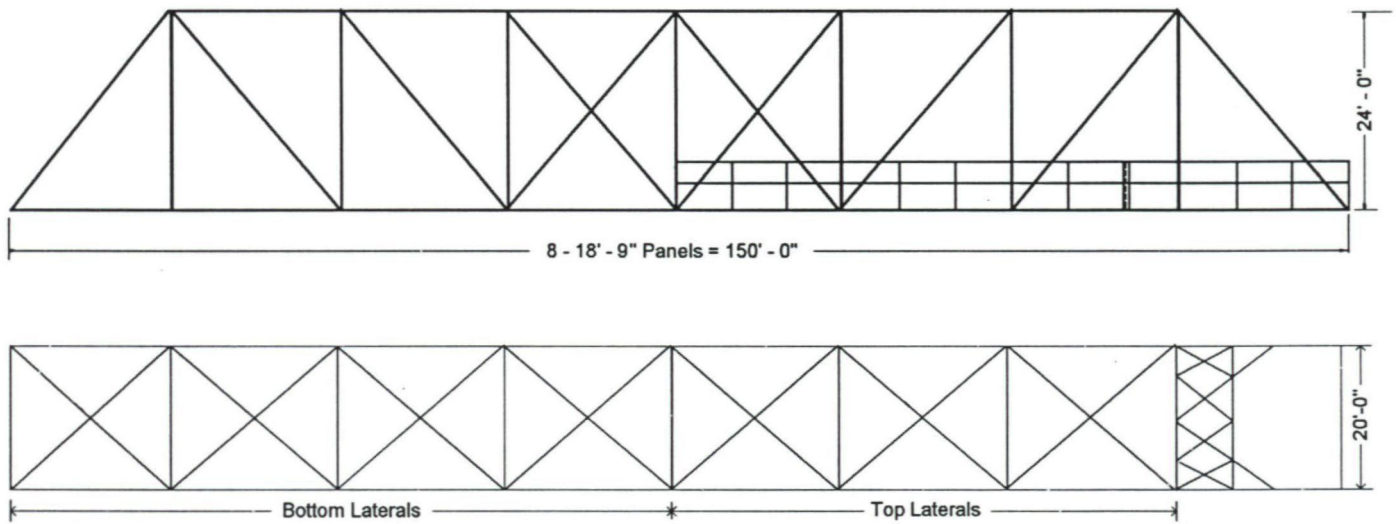
United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Texas
Hubbard Creek Bridge
Shackelford County, Texas

Section number 7 Page 3

Figure 2. Elevation and plan of the Hubbard Creek Bridge.



8. STATEMENT OF SIGNIFICANCE

APPLICABLE NATIONAL REGISTER CRITERIA

- A** PROPERTY IS ASSOCIATED WITH EVENTS THAT HAVE MADE A SIGNIFICANT CONTRIBUTION TO THE BROAD PATTERNS OF OUR HISTORY.
- B** PROPERTY IS ASSOCIATED WITH THE LIVES OF PERSONS SIGNIFICANT IN OUR PAST.
- C** PROPERTY EMBODIES THE DISTINCTIVE CHARACTERISTICS OF A TYPE, PERIOD, OR METHOD OF CONSTRUCTION OR REPRESENTS THE WORK OF A MASTER, OR POSSESSES HIGH ARTISTIC VALUE, OR REPRESENTS A SIGNIFICANT AND DISTINGUISHABLE ENTITY WHOSE COMPONENTS LACK INDIVIDUAL DISTINCTION.
- D** PROPERTY HAS YIELDED, OR IS LIKELY TO YIELD, INFORMATION IMPORTANT IN PREHISTORY OR HISTORY.

CRITERIA CONSIDERATIONS: N/A

AREAS OF SIGNIFICANCE: Engineering

PERIOD OF SIGNIFICANCE: 1928-1929

SIGNIFICANT DATES: 1928-1929

SIGNIFICANT PERSON: N/A

CULTURAL AFFILIATION: N/A

ARCHITECT/BUILDER: Bridge Designer: Texas Highway Department
Truss Fabricator: UNKNOWN
Bridge Builder: Crouch and Noland of Strawn, Texas

NARRATIVE STATEMENT OF SIGNIFICANCE (see continuation sheet 8-4)

9. MAJOR BIBLIOGRAPHIC REFERENCES

BIBLIOGRAPHY (see continuation sheet 9-5)

PREVIOUS DOCUMENTATION ON FILE (NPS): N/A

- preliminary determination of individual listing (36 CFR 67) has been requested.
- previously listed in the National Register
- previously determined eligible by the National Register
- designated a National Historic Landmark
- recorded by Historic American Buildings Survey #
- recorded by Historic American Engineering Record #

PRIMARY LOCATION OF ADDITIONAL DATA:

- State historic preservation office (*Texas Historical Commission*)
- Other state agency (*Texas Department of Transportation*)
- Federal agency
- Local government
- University
- Other -- Specify Repository:

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Texas
Hubbard Creek Bridge
Shackelford County, Texas

Section number 8 Page 4

Statement of Significance:

The Hubbard Creek Bridge was constructed in 1928 and 1929. As a locally built bridge conforming to THD standard designs, it is significant for "demonstrating THD's influence on local bridge practices." In addition, the bridge is the only Pratt truss bridge remaining on the Texas state highway system and is therefore considered a rare type. As such, the bridge meets National Register Criterion C in the area of Engineering at a state level of significance.

The Hubbard Creek Bridge was built on the Albany-Ibex Road, a local road linking the community of Ibex with Albany, the Shackelford County seat and an oil well supply center. In 1921, the Ibex Oil Company of Colorado discovered oil in eastern Shackelford County. The world's largest gasoline absorption plant at the time was built at Ibex, the boom town that sprang up as a result of the discovery. By 1940, the population had decreased to 100, and by 1948, there were just 75 inhabitants, although the gasoline plant and gas booster plant remained.

On November 5, 1928, Shackelford County officials opened bids for the construction of the Hubbard Creek Bridge. After reviewing the three bids received, the county awarded the contract to Crouch and Noland of Strawn, Texas, who submitted the low bid of \$21,590. Construction was completed sometime in 1929.

The Hubbard Creek Bridge serves as a reminder of THD's role in the development of bridge building technology for all classes of roads in Texas. In the first several years after the formation of THD, federal aid highway projects were contracted through the county commissioners' court. (The 1921 amendments to the Federal Aid Road Act of 1916 disallowed this practice after 1925.) The county engineer, appointed by the county commissioners' court with THD's approval, would prepare the plans and specifications in accordance with THD regulations. He would proceed with the planning and bidding stages of the project under the general supervision of the THD division (now district) engineer, who would periodically inspect construction progress.

As a result of this system, the county engineer became knowledgeable in THD standards and practices. County commissioners, who had previously relied on bridge companies for technical advice, could now refer to the county engineer when building a local bridge. The strength of this relationship is reflected in the use of THD standard designs for the Hubbard Creek Bridge, a structure built on a county road with only local funds. THD standards were probably chosen because a sturdy bridge capable of supporting heavy oil drilling equipment was required on this road.

In 1948, THD implemented a project to improve and straighten the Albany-Ibex Road. The project included a slight realignment of the original route, as well as grading, structures, base and single asphalt surface treatment of the roadway. The new road was designated FM 601 and the bridge came under THD ownership.

10. GEOGRAPHICAL DATA

ACREAGE OF PROPERTY: less than one acre

UTM REFERENCES	Zone	Easting	Northing	Zone	Easting	Northing
1	14	484570	3616770	3	—	—
2	—	—	—	4	—	—

(— see continuation sheet)

VERBAL BOUNDARY DESCRIPTION (see continuation sheet 10-5)

BOUNDARY JUSTIFICATION (see continuation sheet 10-5)

11. FORM PREPARED BY

NAME/TITLE:	text by Regina A. Lauderdale graphics by Pat St. George	
ORGANIZATION:	Texas Historical Commission/ Texas Department of Transportation	DATE: September 1996
STREET & NUMBER:	Texas Historical Commission P.O. Box 12276	TELEPHONE: 512/463-6094
CITY OR TOWN:	Austin STATE: TX	ZIP CODE: 78711

ADDITIONAL DOCUMENTATION

CONTINUATION SHEETS

MAPS

PHOTOGRAPHS

ADDITIONAL ITEMS

PROPERTY OWNER

NAME Texas Department of Transportation

STREET & NUMBER 125 East 11th Street

TELEPHONE 512/416-2606

CITY OR TOWN Austin **STATE** TX

ZIP CODE 78701

United States Department of the Interior
National Park Service

National Register of Historic Places Continuation Sheet

Historic Bridges of Texas
Hubbard Creek Bridge
Shackelford County, Texas

Section number 9, 10 Page 5

Bibliography:

Shackelford County Commissioners' Court Minutes, vol. 6, pp. 493 & 499.

Shackelford County Historical Survey Committee. *Shackelford County 1874-1974*. By the Author, 1974.

Texas Highway Department. Plans of Proposed State Highway Improvement. Control-Section-Job No. 0107-03-001, located at TxDOT headquarters in Austin.

Texas Highway Department. *Second Biennial Report of the State Highway Commission*. Austin, n.p., 1920.

Verbal Boundary Description:

The nomination boundaries encompass the complete structure, Hubbard Creek Bridge, including the approach spans and concrete approach railing, as well as the ground upon which the structure stands.

Boundary Justification:

The boundary includes all components historically associated with the property.

UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

NATIONAL REGISTER OF HISTORIC PLACES
EVALUATION/RETURN SHEET

REQUESTED ACTION: NOMINATION

PROPERTY NAME: Hubbard Creek Bridge

MULTIPLE NAME: Historic Bridges of Texas MPS

STATE & COUNTY: TEXAS, Shackelford

DATE RECEIVED: 9/09/96 DATE OF PENDING LIST: 9/24/96
DATE OF 16TH DAY: 10/10/96 DATE OF 45TH DAY: 10/24/96
DATE OF WEEKLY LIST:

REFERENCE NUMBER: 96001105

NOMINATOR: STATE

REASONS FOR REVIEW:

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

COMMENT WAIVER: N

ACCEPT RETURN REJECT 10-10-96 DATE

ABSTRACT/SUMMARY COMMENTS:

RECOM./CRITERIA _____

REVIEWER _____ DISCIPLINE _____

TELEPHONE _____ DATE _____

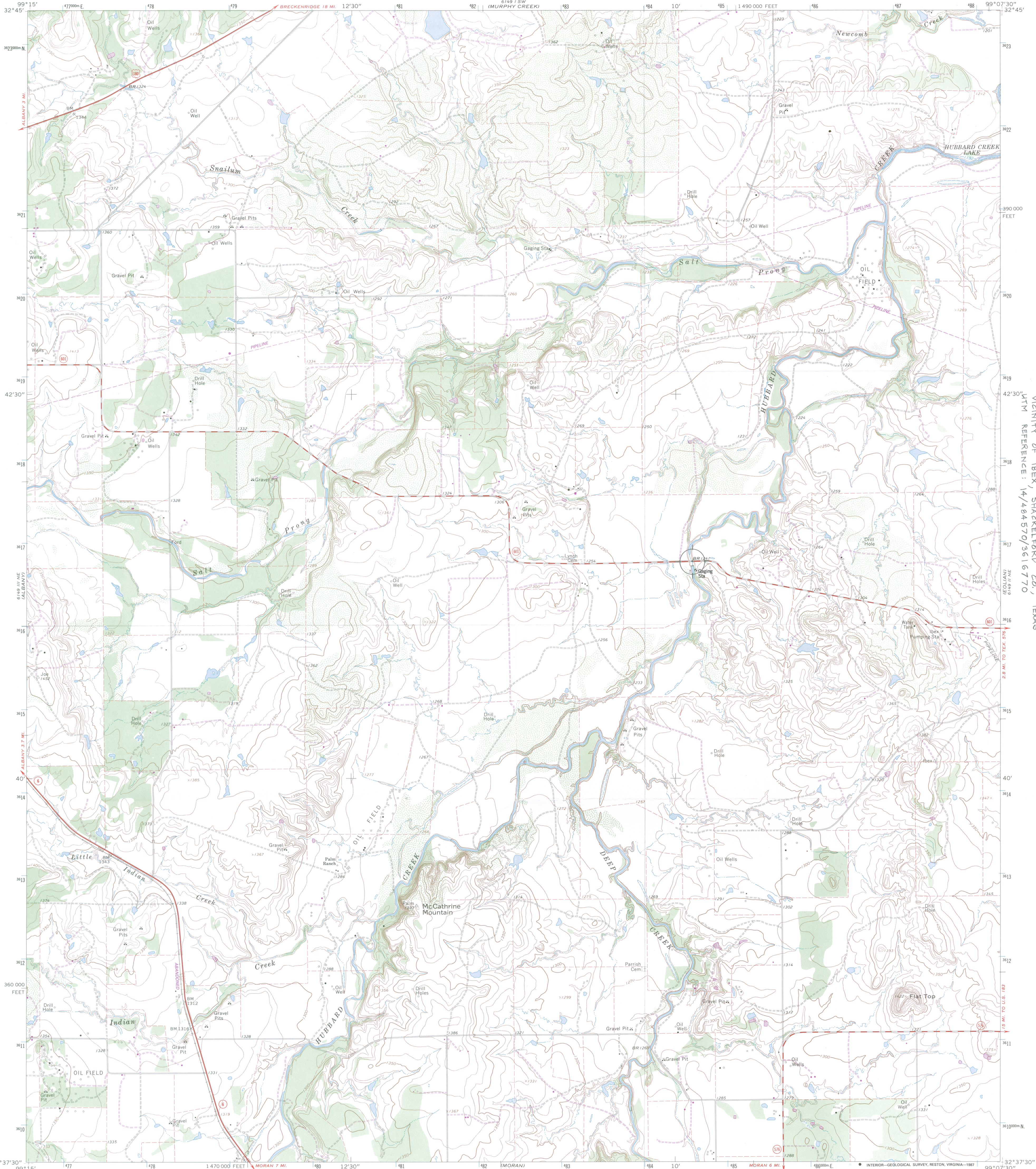
DOCUMENTATION see attached comments Y/N see attached SLR Y/N



SITE NO. SF0107-03-012
HUBBARD CREEK BRIDGE
HISTORIC BRIDGES OF TEXAS
SHACKELFORD CO., TEXAS
PHOTOGRAPH 1 OF 2



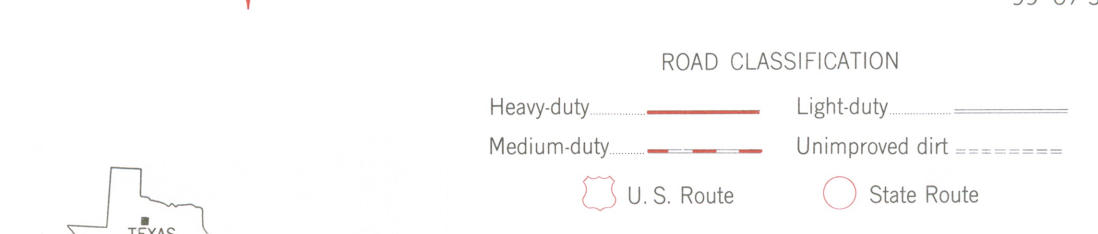
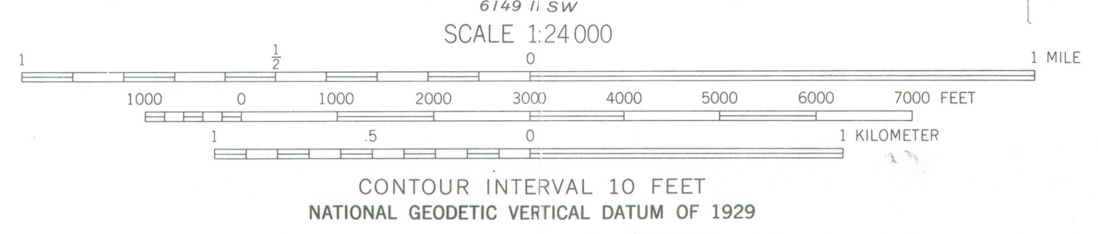
SITE NO. SFO107-03-012
HUBBARD CREEK BRIDGE
HISTORIC BRIDGES OF TEXAS
SHACKELFORD CO., TEXAS
PHOTOGRAPH 2 OF 2



Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1964. Field checked 1965
Polyconic projection. 1927 North American datum 10,000-foot grid based on Texas coordinate system, north central zone
1000-meter Universal Transverse Mercator grid ticks, zone 14, shown in blue
Fine red dashed lines indicate selected fence lines
Areas covered by dashed light-blue pattern are subject to controlled inundation
To place on the predicted North American Datum 1983, move the projection lines 10 meters south and 33 meters east as shown by dashed corner ticks

Revisions shown in purple compiled from aerial photographs taken 1984 and other sources
This information not field checked. Map edited 1987



QUADRANGLE LOCATION

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

3299-413

MCCATHRINE MOUNTAIN, TEX.
32099-F2-TF-024

1965
PHOTOREVISED 1987
DMA 6149 II NW—SERIES V882

32°45' 32°44' 32°43' 32°42' 32°41' 32°40' 32°39' 32°38' 32°37' 32°36' 32°35' 32°34' 32°33' 32°32' 32°31' 32°30'

99°15' 99°14' 99°13' 99°12' 99°11' 99°10' 99°09' 99°08' 99°07' 99°06' 99°05' 99°04' 99°03' 99°02' 99°01' 99°00'

HISTORIC BRIDGES OF TEXAS
HUBBARD CREEK BRIDGE OF TEXAS
VICINITY OF IBER, SHACKELFORD CO., TEXAS
UTM REFERENCE: 14/484570/3616770
SITE NO: SFD107-03-012