

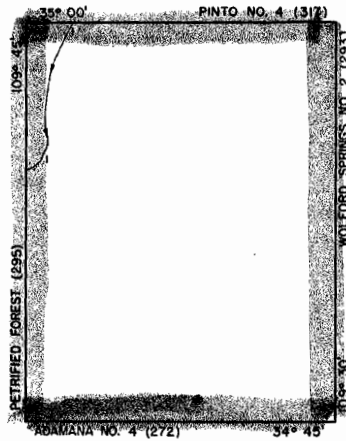
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

THIRD-ORDER LEVELING  
Sea Level Datum of 1929

ADAMANA NO. 1 QUADRANGLE  
ARIZONA 294  
N3445-W10930/15

FILE COPY

Apache County  
Edition of 1/11/57



Feet

LINE 1.

FROM NEAR SOUTHWEST CORNER OF PINTO NO. 4 QUADRANGLE  
(317) SOUTHWEST ALONG ROADS INTO THE PETRIPIED FOREST  
QUADRANGLE (295) (by V. S. Seward, 1934; Book B5034)

- Bibo (Formerly Billings), 2.4 mi. S. and 0.7 mi. W. of;  
in SE 1/4 of NW 1/4 of Sec. 7, T. 18 N., R. 25 E.; 1,800 ft.  
N. of telegraph line; 1,300 ft. N. of stream; 300 ft.  
N. and 700 ft. E. of round slate-colored hill; on  
E. side of small valley; at W. edge of hill; 3 ft.  
above ground; in 5 by 8 ft. boulder; standard  
tablet stamped "VS 29 1934 5397" 5396.544
- Reference mark, 200 ft. W. of tablet; 300 ft. N. and  
500 ft. E. of round slate-colored badland hill; on  
rock ledge; chiseled square 5385.47
- Bibo (Formerly Billings), 3.5 mi. S. and 1.1 mi. W. of;  
0.9 mi. S. of telegraph line; on line between B.M.  
"VS 29 1934" and prominent gap at NE. edge of Blue  
Forest; at center of S-curve in stream; 15 ft. S.  
of stream; 4 ft. S. of 5-ft. cedar post; 6 in.  
above ground; on boulder; chiseled square 5384.91  
(Lat.: 34°57'39.33" Long.: 109°48'53.95")
- Bibo (Formerly Billings), 4.5 mi. S. and 1.2 mi. W. of;  
near 1/2 Cor. between Secs. 19, 24, T. 18 N., R. 24,  
25 E.; near NE. corner of Blue Forest section of  
Petrified Forest; 0.8 mi. N. of prominent gap in  
NE. edge of Blue Forest; 500 ft. N., 1,000 ft. E.  
of red and purple badland hill; 100 ft. S. of top  
of small hill covered with large brown boulders;  
3 ft. above ground; in 3 by 5 ft. boulder;  
standard tablet stamped "VS 30 1934 5420" 5420.281
- Reference mark, 100 ft. E. of tablet; 2 ft. above  
ground; at E. end of outcropping ledge; chiseled  
square 5412.46
- Bibo (Formerly Billings), 7.0 mi. S. and 1 mi. W. of;  
3.5 mi. N. and 2.8 mi. W. of Agate Bridge; near  
SE. Cor. Sec. 5, T. 18 N., R. 24 E.; 0.6 mi. S. of  
prominent gap at NE. edge of Blue Forest; 400 ft.  
SE. of small stream; 280 ft. S. of 3 by 6 by 5 ft.  
sandstone boulder; at W. edge of area covered with  
agate-like pebbles; in sandstone boulder; standard  
tablet stamped "VS 31 1934 5464" 5464.337
- Reference mark, 280 ft. N. of tablet; 15 ft. E. and  
10 ft. N. of 3 by 6 by 5 ft. boulder; on sand-  
stone ledge; chiseled square 5466.75
- Agate Bridge, 1.2 mi. N. and 2.5 mi. E. of; 1,500  
ft. E. of SW. Cor. Sec. 36; T. 18 N., R. 24 E.;  
160 ft. N. of fence; 100 ft. W. of badlands; at E.  
end of hill capped with sandstone ledge; 2 ft.  
above ground; in ledge; standard tablet stamped  
"VS 32 1934 5495" 5495.347
- Reference mark, 30 ft. W. of tablet; on top of SE.  
end of ledge 1 ft. above ground; chiseled square 5494.16

FILE COPY

ADAMANA NO. 1 (294)

Arizona

D.O. Richardson, 1972

Trunk Line Adjusted Elevations Based on National  
Geodetic Vertical Datum of 1929

Book: PV 858

Latitude 34°45' Longitude 109°30'

- (2) FROM THE SOUTH EDGE OF PINTO NO. 4 (317) SOUTH AND SOUTHEAST ALONG VARIOUS ROADS INTO THE WEST SIDE OF WOLFORD SPRING NO. 2 QUADRANGLE (293) (By D.O. Richardson, 1972; Book: PV 858)
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 9.7 mi S. to T-rd. W.; 0.4 mi S. of cattleguard; 35 ft S. of gate, 25 ft S. of brass cap stamped "LS 5704 T19N R27E S36 S31 S1 S6 T18N R26E 1972", 25 ft W. of rd., 1 ft E. of fence; in concrete post projecting 0.6 ft; standard tablet stamped "88 DOR 1972 6061" 6061.112
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 10.7 mi S.; 370 ft W. of rd., 38 ft E. of fence, 2 ft S. of brass cap stamped "LS 5704 R26E R27E S1 S6 S12 S7 T18N 1972"; in concrete post projecting 0.4 ft; standard tablet stamped "89 DOR 1972 6080" 6079.831
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 10.8 mi S.; 0.3 mi N. of BM "90 DOR 1972"; set on 1-1/4 inch iron pipe; brass cap stamped "LACY C GREER R26E R27E 12 7 13 18 T18N 1963 ENGR CO" 6137.337
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.1 mi S. to windmill; 0.2 mi N. of cattleguard; 28 ft N. of steel tank, 24 ft E. of fence, 2 ft W. of well; in 13.5-ft square concrete base of windmill; standard tablet stamped "90 DOR 1972 6123" 6122.704
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E.; 142 ft E. of fence, 22 ft N. of fence, 12 ft S. of brass cap stamped "LS 5704 R26E R27E S13 S16 S24 S19 T18N 1971"; in concrete post projecting 0.4 ft; standard tablet stamped "91 DOR 1972 6110" 6110.449
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 1.1 mi E. along fence to windmill; 25 ft E. of windmill; in west side of concrete base of steel water tank; standard tablet stamped "92 DOR 1972 6189" 6188.943
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 1.1 mi E. along fence to windmill, thence 1.0 mi S. along fence; 0.2 mi N. of gate; 19 ft S. of small juniper tree, 1 ft E. of fence; in concrete post projecting 0.7 ft; standard tablet stamped "93 DOR 1972 6239" 6238.834

FILE COPY

ADAMANA NO. 1 (294)

Arizona

D.O. Richardson, 1972

Trunk Line            Adjusted Elevations Based on National  
    Geodetic Vertical Datum of 1929

Book: PV 858

- (2) Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 1.1 mi E. along fence to windmill, thence 2.2 mi S. along fence to top of slight rise; 175 ft N. of gate, 75 ft N. of gate, 75 ft N. of Y-fence SW., 1 ft E. of fence; in concrete post projecting 0.6 ft; standard tablet stamped "94 DOR 1972 6185" 6185.486
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 1.1 mi E. along fence to windmill, thence 2.9 mi S. along fence to brow of hill; 0.1 mi W. of Navajo Post Office, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 2.3 mi SE. along track rd., thence 0.6 mi E. along large dry wash, thence 0.4 mi N. to brow of hill; just NE. of abandoned ranch; 60 ft N. of brow of hill, 1 ft E. of fence; in concrete post projecting 0.8 ft; standard tablet stamped "95 DOR 1972 6137" 6137.278
- BM "95 DOR 1972", 0.7 mi SW. of; in southeast corner of concrete slab base of windmill; chiseled square 6015.466
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 2.3 mi SE. along track rd. to large dry wash X-ing.; 0.4 mi SW. of windmill, 0.2 mi S. of wash X-ing.; 25 ft SW. of rd. at wire gate, 1 ft SE. of fence; in concrete post projecting 0.4 ft; standard tablet stamped "96 DOR 1972 6001" 6001.350
- Navajo Post Office, 0.1 mi W. of, along Frontage Rd. to T-rd. S., thence 12.8 mi S. to T-fence E., thence 3.6 mi SE. along track rd. to top of slight rise; 44 ft W. of rd.; in concrete post projecting 0.7 ft; standard tablet stamped "97 DOR 1972 6145" 6144.923

BENCH MARK DESCRIPTIONS, FIELD SUMMARY

34 109 41

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 1122

Table with columns: Page, Quads, Miles, State, Adj, By, Date, Altitude by Field Book. Includes entry (3) and various bench mark descriptions with elevations.

BENCH MARK DESCRIPTIONS, FIELD SUMMARY

34 109 41

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY 7-1122

Table with columns: Page, Quads, Miles, State, Adj, By, Date, Altitude by Field Book. Includes entries 7.78, 8.89, 9.40, 9.89 and various bench mark descriptions with elevations.

Table with columns: Page, Quads, Miles, State, Adj, By, Date, Altitude by Field Book. Includes entry 4.14 and various bench mark descriptions with elevations.

Table with columns: Page, Quads, Miles, State, Adj, By, Date, Altitude by Field Book. Includes entries 10.44, 11.30, 12.43 and various bench mark descriptions with elevations.

BENCH MARK DESCRIPTIONS, FIELD SUMMARY

Page Quads. Miles State By Date Altitude by Field Book

ADAMANA NO. 1 (294) Arizona J.D. Crossen, 1976

Third Order Field Elevations

Book: PV 972

(3)

c/30

13.56 Navajo (at center of overpass of I-Hwy. 40), 0.2 mi S. and E. of to T-rd., thence 0.6 mi S. to Y-rd. (at south end of bridge over Rio Puerco), thence 0.75 mi SE. to T-rd., thence 14.8 mi S. (keeping to main-traveled graded rds.) to T-rd., thence 6.3 mi W. to T-rd. (second rd. past very small A-frame house), thence 3.0 mi S. to X-rd., thence 2.15 mi W. to T-rd., thence 0.2 mi N. to dim T-rd., thence 1.0 mi SW. along track rd. to 5-point intersection, thence 0.1 mi W. along track rd. to Y-rd., thence 1.2 mi right to graded X-rd., thence 0.2 mi N.; on small top; 28 ft E. of and 1.2 ft higher than centerline of rd.; set on copper-coated rod encased in 8-inch pipe; standard tablet stamped "34 JDC 1976" 5599.662

14.55 Petrified Forest (at center of western overpass of I-Hwy. 40), 10.2 mi S. of to Y-rd. (0.3 mi S. of rd. to Blue Mesa), thence 3.8 mi SE. (passing through locked gate) to small rise at large indian ruin, thence 1.0 mi N. over dam of stock tank to locked gate, thence through gate 0.1 mi, thence 0.3 mi NE. across country keeping S. and E. of large stock tank, to right-angle bend in graded rd., thence 0.75 mi E. to X-rd., thence 0.4 mi S. to X-rd.; 0.2 mi S. and E. of center of overpass of I-Hwy. 40 at Navajo to T-rd., thence 0.6 mi S. to Y-rd. at south end of bridge over Rio Puerco, thence 0.75 mi SE. to T-rd., thence 14.8 mi S. (keeping to main-traveled graded rd.) to T-rd., thence 6.3 mi W. to T-rd. the second rd. past very small A-frame house, thence 3.0 mi S. to X-rd., thence 2.2 mi W. to T-rd., thence 0.2 mi N. to dim T-rd., thence 1.0 mi SW. along track rd. to 5-point intersection, thence 0.1 mi W. along track rd. to Y-rd., thence 1.2 mi right to Graded X-rd., thence 0.4 mi N. to T-rd., thence 0.4 mi W. to X-rd., thence 0.4 mi NW. to X-rd.; 42 ft N. of and 0.7 ft higher than centerline of rd.; set on copper-coated rod encased in 8-inch pipe; standard tablet stamped "33 JDC 1976" 5550.180

15.46 Petrified Forest (at center of western overpass of I-Hwy. 40), 10.2 mi S. of to Y-rd. (0.3 mi S. of rd. to Blue Mesa), thence 3.8 mi SE. along track rd. (passing through locked gate) to small rise and large indian ruin, thence 1.0 mi N. passing over dam of large stock tank to locked gate, thence through gate 0.1 mi and leave rd., thence 0.3 mi cross-country (keeping S. then E. of large stock tank) to right-angle bend in graded rd.; 35 ft NE. of and 1.0 ft higher than centerline of rd. at bend; set on copper-coated rod encased in 10-inch pipe; standard tablet stamped "32 JDC 1976" 5514.546

Page 5 of 6

BENCH MARK DESCRIPTIONS, FIELD SUMMARY

Page Quads. Miles State By Date Altitude by Field Book

ADAMANA NO. 1 (294) Arizona J.D. Crossen, 1976

Third Order Field Elevations

Book: PV 972

c/35

16.47 Petrified Forest (at center of western overpass of I-Hwy. 40), 10.2 mi S. of to Y-rd. (0.3 mi S. of rd. to Blue Mesa), thence 3.8 mi SE. (passing through locked gate) to small rise and large indian ruin (at large stock tank), thence 0.4 mi N. crossing over dam of stock tank, along track rd. to spot where rd. is wind eroded; 88 ft SE. of and 7.1 ft higher than centerline of rd.; set on copper-coated rod encased in 10-inch pipe; standard tablet stamped "31 JDC 1976" 5524.589

In Quad 295

17.44 Petrified Forest (at center of western overpass of I-Hwy. 40), 10.2 mi S. of to Y-rd. (0.3 mi S. of rd. to Blue Mesa), thence 3.2 mi SE. (passing through locked gate) to north-east edge of rolling low hills; 28 ft E. of and 1 ft higher than centerline of rd.; set on copper-coated rod encased in 10-inch pipe; standard tablet stamped "30 JDC 1976" 5489.274

FILE COPY