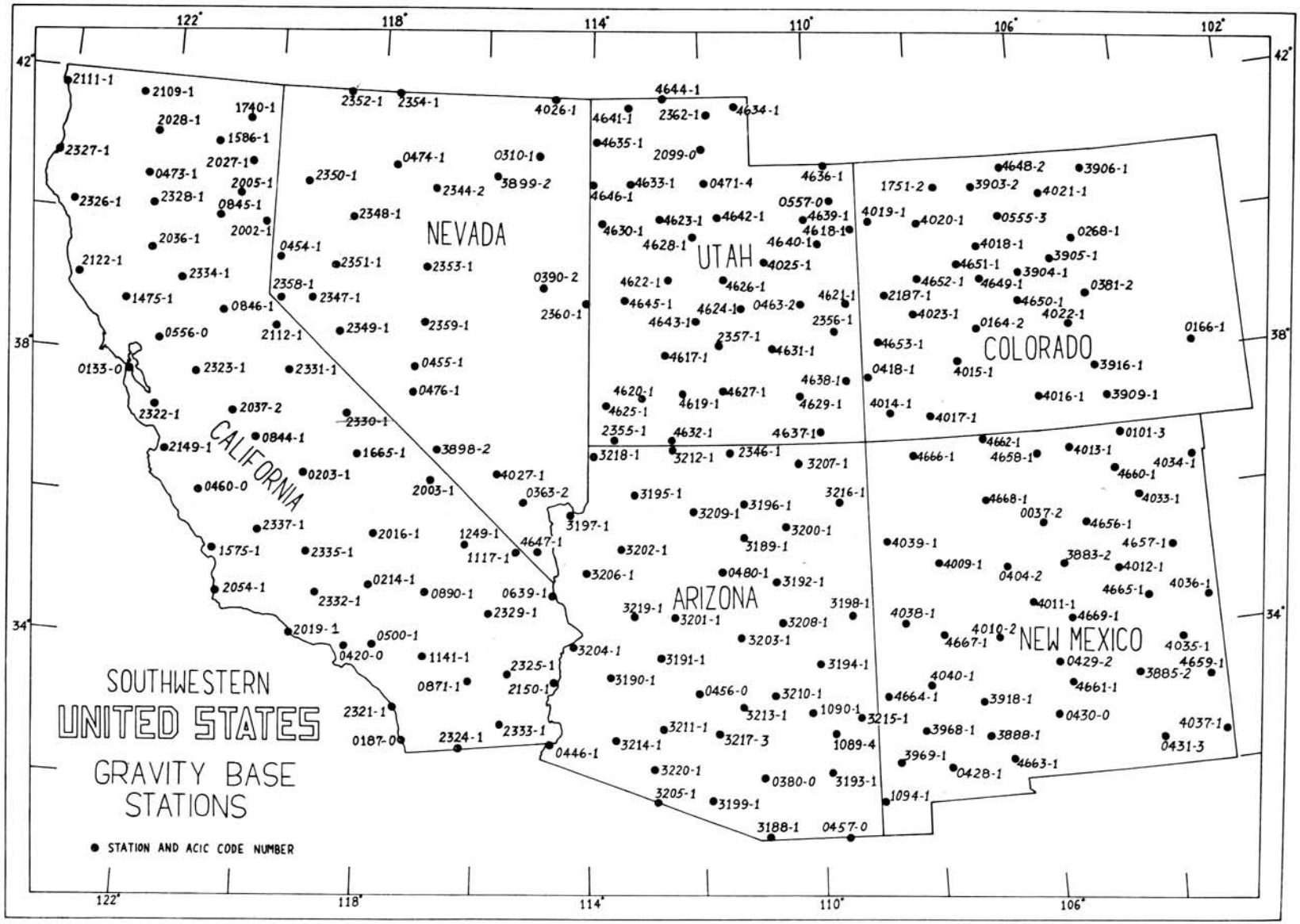

SOUTHWESTERN
UNITED STATES
GRAVITY BASE
STATIONS
● STATION AND ACIC CODE NUMBER
NEVADA
UTAH
COLORADO
CALIFORNIA
ARIZONA
NEW MEXICO
122°
118°
114°
110°
106°
102°
42°
38°
34°

CROSS REFERENCE LIST
UNITED STATES

UTAH

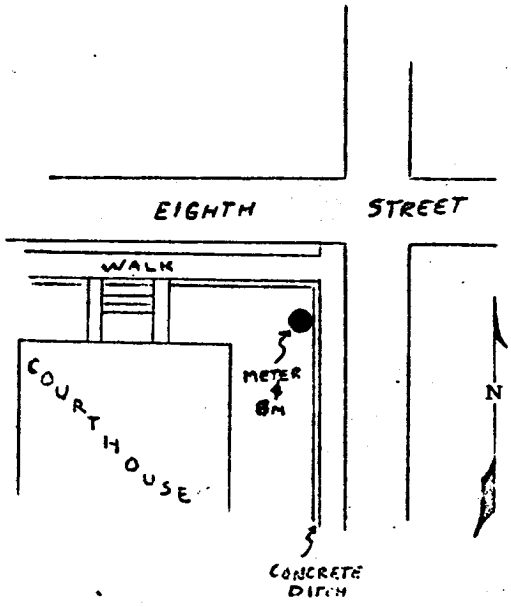
STATION DESIGNATION	DOD REF NO	IGSN 71 G-VALUE
BEAVER	4617-1	979 436.34
BONANZA	4618-1	979 631.95
BRYCE CANYON	4619-1	979 280.01
CEDAR CITY	4620-1	979 415.42
CISCO	4621-1	979 607.43
DELTA	4622-1	979 643.87
DUGWAY	4623-1	979 726.50
EMERY	4624-1	979 487.60
ENTERPRISE	4625-1	979 432.99
EPHRAIM	4626-1	979 544.89
ESCALANTE	4627-1	979 412.63
EUREKA	4628-1	979 592.60
FRY CANYON	4629-1	979 453.48
GOLD HILL	4630-1	979 697.88
GREEN RIVER	0463-2	979 623.11
HANKSVILLE	4631-1	979 569.72
KANAB	4632-1	979 450.23
KNOLLS	4633-1	979 833.92
LAKETOWN	4634-1	979 740.53
LOA	2357-1	979 390.60
LOGAN	2362-1	979 831.25
LUCIN	4635-1	979 870.33
MANILA	4636-1	979 650.18
MEXICAN HAT	4637-1	979 471.51
MOAB	2356-1	979 551.28
MONTICELLO	4638-1	979 350.72
MYTON	4639-1	979 638.15
MUTTERS HOLE	4640-1	979 627.44
OGDEN	2099-0	979 786.09
PARK VALLEY	4641-1	979 841.36
PRICE	4025-1	979 605.05
PROVO	4642-1	979 703.82
RICHFIELD	4643-1	979 495.34
SALT LAKE CITY	0471-4	979 770.64
SNOWVILLE	4644-1	979 905.22
SOUTH WHITE VALLEY	4645-1	979 622.65
ST GEORGE	2355-1	979 596.66
VERNAL	0557-0	979 653.80
WENDOVER	4646-1	979 824.60

GRAVITY BASE STATION

LATITUDE 38° 16.4'N (1)	STATION DESIGNATION BEAVER
LONGITUDE 112° 38.4'W (1)	
ELEVATION 1795.6 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4617-1	ADOPTED GRAVITY VALUE: g= 979 450.08 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE — MONTH/YEAR: 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "J32 1934", which is set in the top of a concrete post on the grounds of the Beaver County Courthouse in downtown Beaver, Utah. The concrete post, 0.3 foot high, is located in the northeast corner of the Courthouse lawn, 39 feet east of the north entrance, 21 feet north of the northeast corner of the building, 8 feet south of the sidewalk on Eighth Street, and one foot west of the yard fence. (1)



(1)

REFERENCE SOURCE

(1) 03685

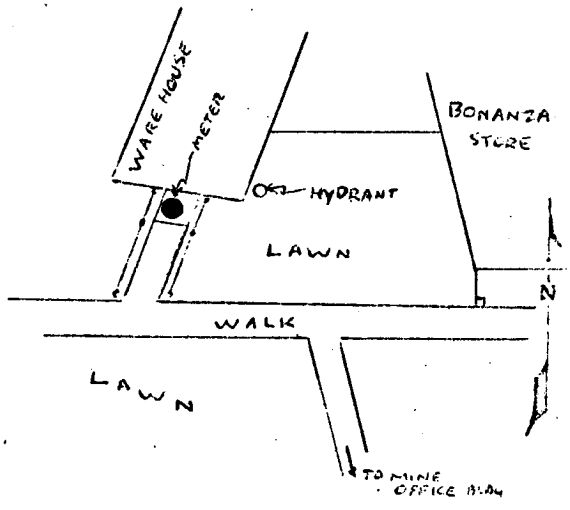
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 01.2'N (1)	STATION DESIGNATION BONANZA
LONGITUDE 109° 10.5'W (1)	
ELEVATION 1662.9 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4618-1	ADOPTED GRAVITY VALUE: g= 979 645.69 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on the sidewalk adjacent to USC & GS benchmark "R26 1933", which is set in southeast side of a concrete sill at the entrance to the warehouse building of the Bonanza Gilsonite Mine Headquarters at Bonanza, Utah. The station is in the center of the sidewalk in front of the entrance door to the warehouse, with the brass disc set in the low southeast wall of the sidewalk entrance. (1)



(1)

REFERENCE SOURCE

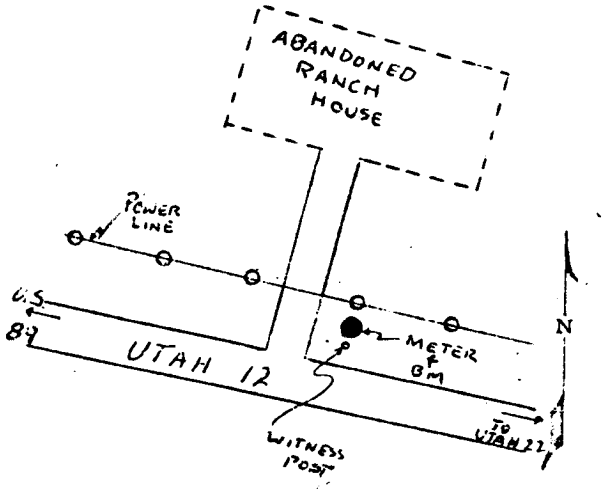
(1) 03685

GRAVITY BASE STATION

LATITUDE 37° 41.8'N (1)	STATION DESIGNATION BRYCE CANYON
LONGITUDE 112° 11.0'W (1)	
ELEVATION 2320.9 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4619-1	ADOPTED GRAVITY VALUE: g= 979 293.75 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "1931 H31", which is set in the top of a concrete post along Utah Highway 12, about 1.6 miles northwest from its junction with Utah Highway 22 at Ruby's Inn. The concrete post, 0.2 foot high, is located 40 feet north of the centerline of the highway, 45 feet east of a private road leading north to an abandoned ranch house, and 26 feet east of a point two feet south of a corner fence post. A witness post is present. (1)



REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 O-415

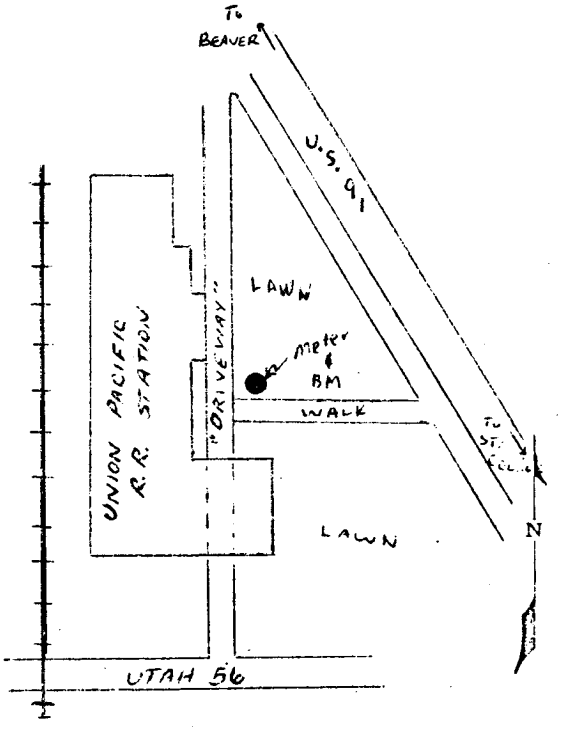
420

GRAVITY BASE STATION

LATITUDE 37° 40.9'N (1)	STATION DESIGNATION CEDAR CITY
LONGITUDE 113° 03.7'W (1)	
ELEVATION 1767.9 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4620-1	ADOPTED GRAVITY VALUE: g= 979 429.16 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "H31 Reset", which is set in the top of a concrete post 54 feet east of the Cedar City Station, Union Pacific Railroad, near downtown Cedar City, Utah. The concrete post, 0.5 foot high, is located near the southwest corner of a grass lawn 6 feet north of the centerline of the concrete walk, and is across the street from the station. (1)



(1)

REFERENCE SOURCE

(1) 03685

421

ACIC HQ FORM FEB 69 O-415

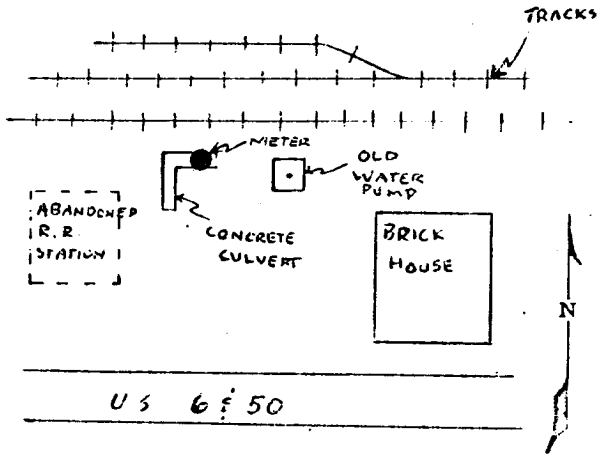
GRAVITY BASE STATION

LATITUDE 38° 58.3'N (1)	STATION DESIGNATION CISCO
LONGITUDE 109° 19.2'W (1)	
ELEVATION 1326.2 METERS (1)	COUNTRY/STATE USA/Utah

REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 4621-1		g= 979 621.17 mgals	
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on a vertical concrete slab on top of a concrete culvert passing underneath the Denver and Rio Grande Western Railroad, just east of the now abandoned Cisco Railroad Station in the center of Cisco, Utah. The station is on the center top of the northernmost (east-west trending) of two perpendicular concrete slabs, and is about 100 feet north of US Highway 50-6, about 100 feet west of a brick house and 15 feet west of an old water pump. (1)



REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 O-415

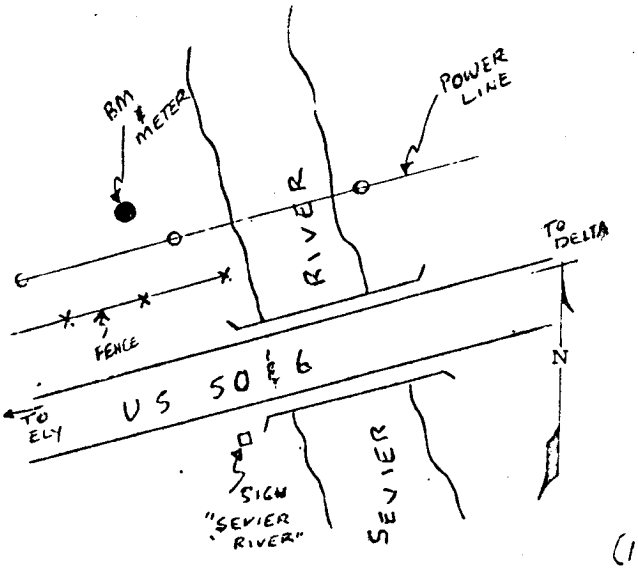
422

GRAVITY BASE STATION

LATITUDE 39° 19.9'N (1)	STATION DESIGNATION DELTA
LONGITUDE 112° 37.3'W (1)	
ELEVATION 1401.2 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4622-1	ADOPTED GRAVITY VALUE: g= 979 657.61 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals — DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "N35 1934", which is set in the top of a concrete post 3.0 miles southwest along US Highway 6 from Delta, Utah. The concrete post, one foot high, is located 70 feet southwest of the center of a bridge over a stream, 30 feet northwest of the centerline of the highway, 27 feet southwest of a pole, and 6 feet northwest of the line of poles. No witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

423

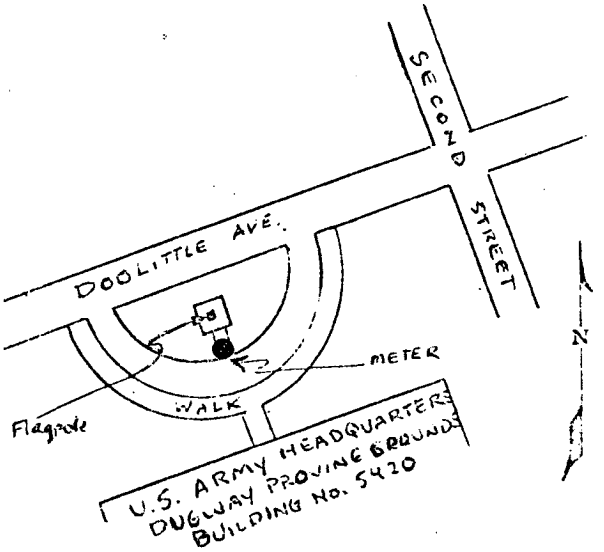
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 13.2'N (1)	STATION DESIGNATION DUGWAY
LONGITUDE 112° 44.6'W (1)	
ELEVATION 1474.3 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4623-1	ADOPTED GRAVITY VALUE: g= 979 740.24 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on a concrete pavement leading to the flagpole opposite US Army Headquarters, Building 5450, in the center of Dugway Proving Grounds, Utah. The station is located approximately 50 feet south-southwest of the flagpole, in which USGS benchmark "19WF 1954" is set into the base. The station is centered on the pavement leading south-southwest from the flagpole to Building 5450, and on the edge of the sidewalk curb. The brass disc was not used due to ground vibrations from the flagpole. (1)



(1)

REFERENCE SOURCE

(1) 03685

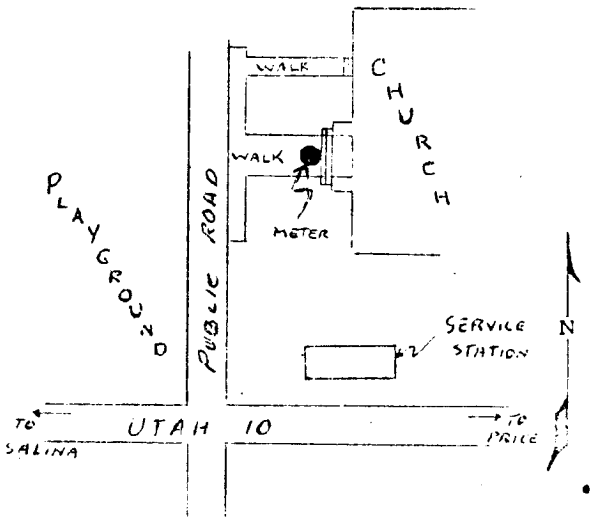
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 38° 55.0'N (1)	STATION DESIGNATION EMERY
LONGITUDE 111° 14.9'W (1)	
ELEVATION 1904.7 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4624-1	ADOPTED GRAVITY VALUE: g= 979 501.34 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on the sidewalk in front of the Emery Ward, Church of the Latter-Day Saints, along Utah Highway 10 in downtown Emery, Utah. The station is located on the center of the sidewalk at the base of three concrete steps leading up to the main entrance of the church, which is about 300 feet north of Utah Highway 10 and distinguished by a high white steeple. (1)



(1)

REFERENCE SOURCE

(1) 03685

425

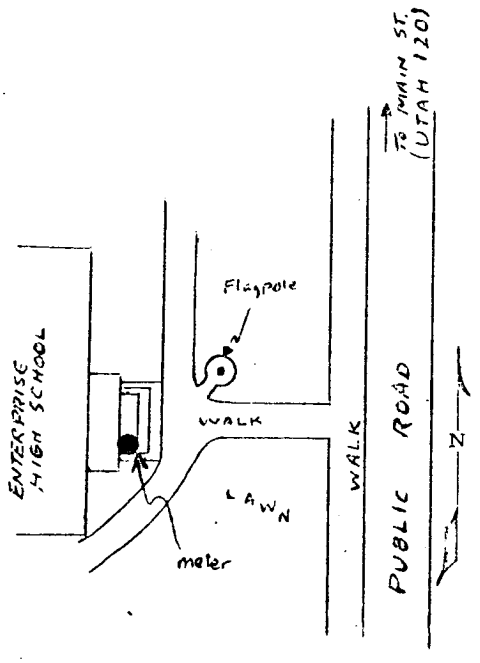
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 37° 34.1'N (1)	STATION DESIGNATION ENTERPRISE
LONGITUDE 113° 43.0'W (1)	
ELEVATION 1624.3 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4625-1	ADOPTED GRAVITY VALUE: g= 979 446.73 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "Y12 1934", which is set in the south end of the top step of the entrance to Enterprise School, downtown Enterprise, Utah. The brass disc is located one foot north of the south edge of the step, with the high school several blocks south of Utah Highway 120. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

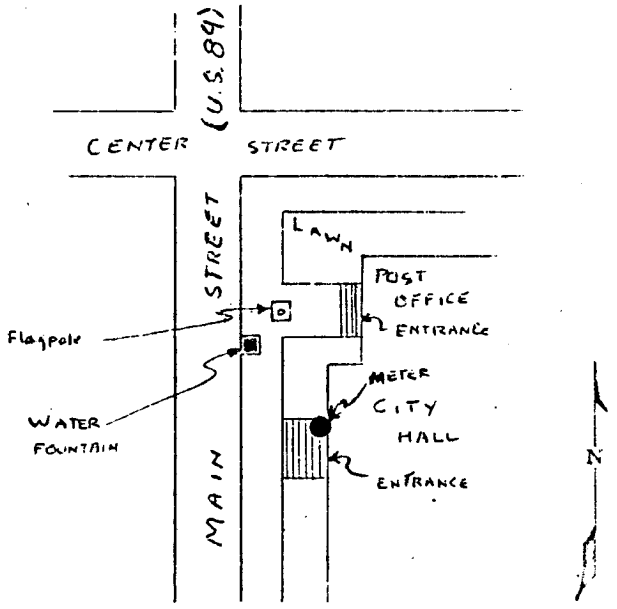
426

GRAVITY BASE STATION

LATITUDE 39° 21.7'N (1)	STATION DESIGNATION EPHRAIM
LONGITUDE 111° 35.2'W (1)	
ELEVATION 1688.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4626-1	ADOPTED GRAVITY VALUE: g= 979 558.63 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located 0.5 feet below USC & GS benchmark "D43 1934" which is set in the top step of the entrance to the City Hall building in downtown Ephraim, Utah. The station is located on the second step from the top, one step beneath the benchmark, at the north end of the step at the west entrance to the building, on Main Street. (1)



(1)

REFERENCE SOURCE

(1) 03685

427

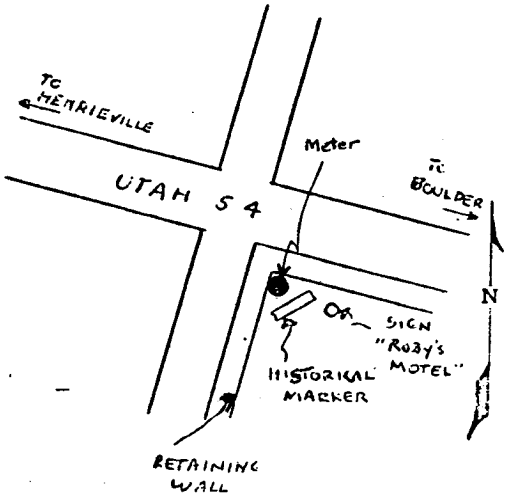
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 37° 46.2'N (1)	STATION DESIGNATION ESCALANTE
LONGITUDE 111° 36.1'W (1)	
ELEVATION 1771.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4627-1	ADOPTED GRAVITY VALUE: g= 979 426.37 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "83 WF", which is set in the top of the northwest corner of a low concrete retaining wall along Main Street in downtown Escalante, Utah. The retaining wall surrounds what is now Ruby's Motel and a private residence on the south side of Main Street (Utah Highway 54), with the brass disc immediately beneath a pioneer memorial constructed of petrified wood fragments. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

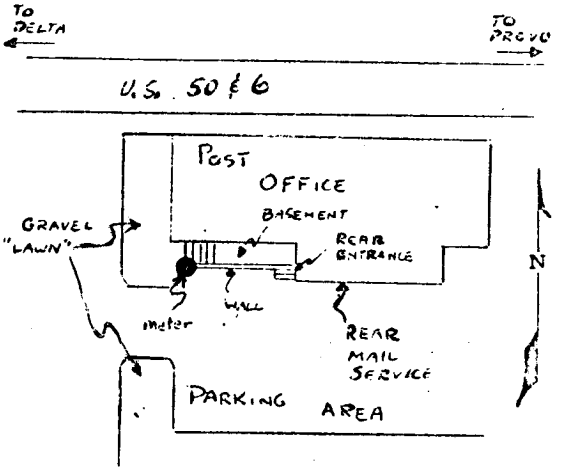
428

GRAVITY BASE STATION

LATITUDE 39° 57.3'N (1)	STATION DESIGNATION EUREKA
LONGITUDE 112° 07.1'W (1)	
ELEVATION 1963.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4628-1	ADOPTED GRAVITY VALUE: g= 979 606.34 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "Eureka 1934", which is set in the top of the west end of a stair curbing of the US Post Office building along US Highway 6-50 in downtown Eureka, Utah. The stair curbing is located at the southwest corner of the post office building, adjacent to a rear parking area and a rear entrance; the stairs lead down to the basement. (1)



(1)

REFERENCE SOURCE

(1) 03685

429

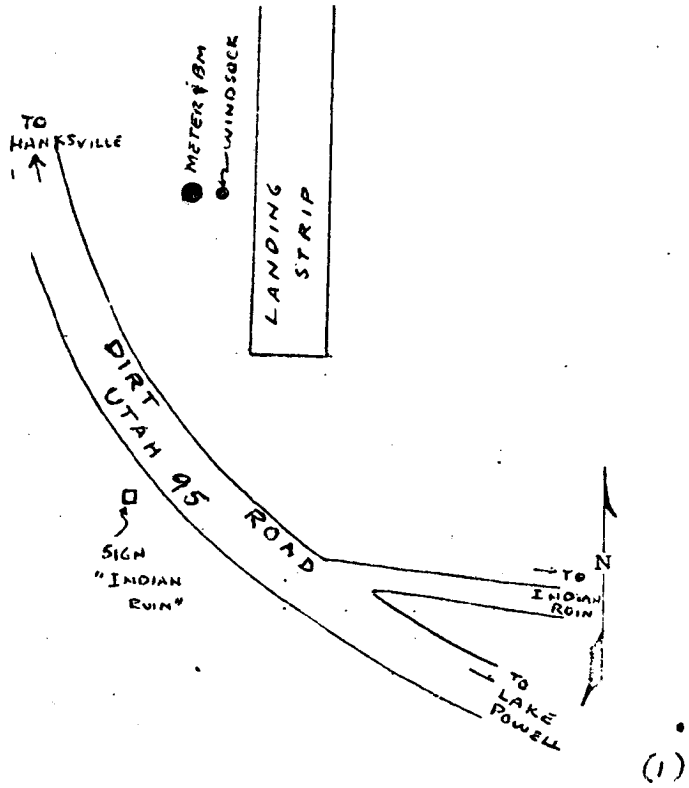
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 37° 39.2'N (1)	STATION DESIGNATION FRY CANYON
LONGITUDE 110° 10.2'W (1)	
ELEVATION 1633.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4629-1	ADOPTED GRAVITY VALUE: g= 979 467.22 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals / DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "P115 1958", which is set in the top of a concrete post along Utah Highway 95 about 1.15 miles northwest from the post office at Fry Canyon, Utah. The concrete post, 0.5 feet high, is located 116 feet northeast of the centerline of the highway, 0.3 miles southeast of the northwest end of the Fry Canyon Airstrip, and 140 feet southwest of a tall windsock. A witness post is present. (1)



REFERENCE SOURCE

(1) 03685

ACIC HQ FORM 0-415

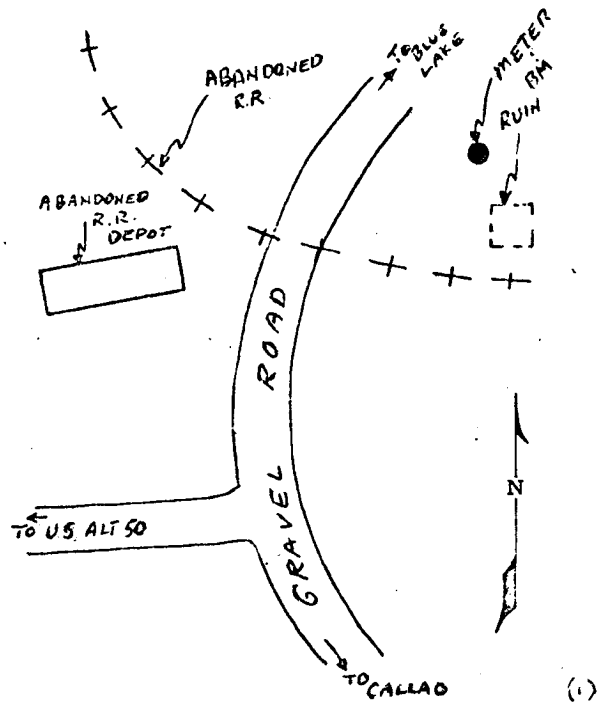
430

GRAVITY BASE STATION

LATITUDE 40° 10.1'N (1)	STATION DESIGNATION GOLD HILL
LONGITUDE 113° 49.7'W (1)	
ELEVATION 1595.7 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4630-1	ADOPTED GRAVITY VALUE: g= 979 711.62 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals; DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "M76 1934", which is set in the top of a concrete post projecting 0.5 foot above the ground at the town of Gold Hill, Utah, which is presently largely abandoned. The concrete post is located about 100 feet north of an abandoned railroad bed, about 60 feet east of north-south gravel road, and 30 feet northwest of an old wooden shack now in ruins. No witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

431

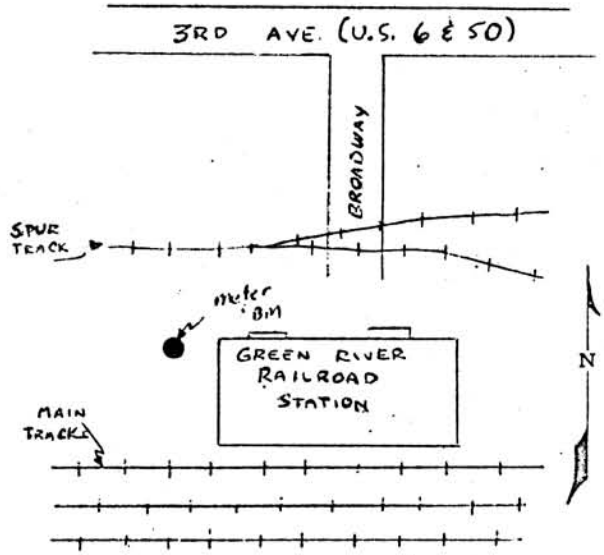
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 38° 59.5'N (1)	STATION DESIGNATION GREEN RIVER
LONGITUDE 110° 09.8'W (1)	
ELEVATION 1243.4 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 0463-2	ADOPTED GRAVITY VALUE: g= 979 636.85 mgals; 979 623.11 IGSN 71
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "C11 1921", which is set in the top of a concrete post adjacent to the Green River Station of the Denver and Rio Grande Western Railroad in Green River, Utah. The concrete post, 0.2 foot above the ground, is located in the northeast corner of a grass plot west of the station, about four feet from the northwest corner of the building. (1)



(1)

REFERENCE SOURCE

(1) 03685

67

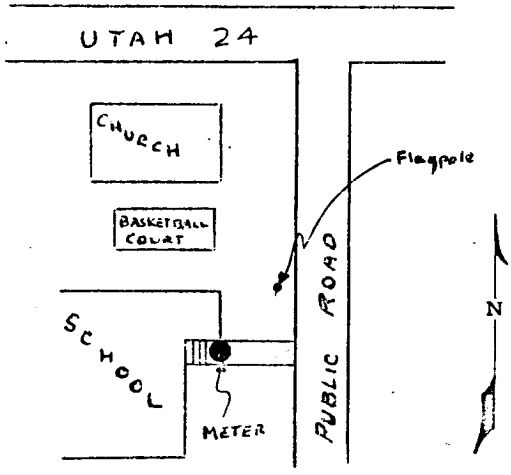
ACIC HQ FORM FEB 69 0-415

GRAVITY BASE STATION

LATITUDE 38° 22.4'N (1)	STATION DESIGNATION HANKSVILLE
LONGITUDE 110° 42.8'W (1)	
ELEVATION 1312.6 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4631-1	ADOPTED GRAVITY VALUE: g= 979 583.46 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located 2.4 feet below USC & GS benchmark "L111 1958" which is set vertically in east brick wall adjacent to the main entrance of the Hanksville Elementary School in downtown Hanksville, Utah. The station is on the concrete sidewalk at ground level, 1.2 feet south of the brass disc, and just east of the step leading to the entrance. The school is located about one block south of Utah Highway 24. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 O-415

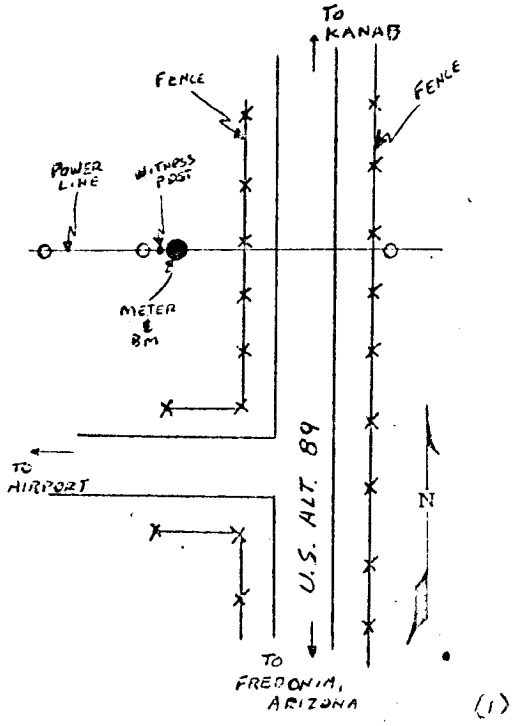
432

GRAVITY BASE STATION

LATITUDE 37° 00.6'N (1)	STATION DESIGNATION KANAB
LONGITUDE 112° 31.6'W (1)	
ELEVATION 1475.3 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4632-1	ADOPTED GRAVITY VALUE: g= 979 463.97 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "C138 1962", which is set in the top of a concrete post near the entrance to the Kanab Municipal Airport, which is 0.5 miles south along US Highway 89 from the Latter-Day Saints Church at Kanab, and thence 2.5 miles south along US Highway Alternate 89. The concrete post, 0.3 foot high, is located 153 feet northwest of the center of the intersection of the highway and the entrance to the airport, and 85 feet west of the centerline of the highway. A witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

433

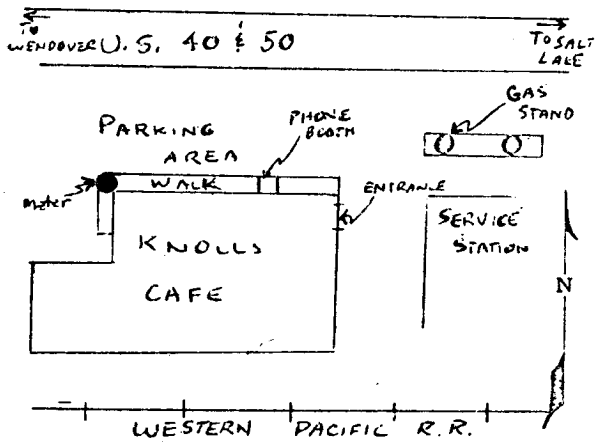
ACIC HQ FORM FEB 69 0-415

GRAVITY BASE STATION

LATITUDE 40° 43.5'N (1)	STATION DESIGNATION KNOLLS
LONGITUDE 113° 17.2'W (1)	
ELEVATION 1290.2 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4633-1	ADOPTED GRAVITY VALUE: g= 979 847.66 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on the western portion of the sidewalk surrounding the cafe-gas station along US Highway 40-Alternate 50 at Knolls, Utah. The station is located on the southwestern corner of the sidewalk along the western edge of the building, immediately below a window and beverage sign. The cafe-gas station building is the only one at Knolls, and is located south of the highway. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 O-415

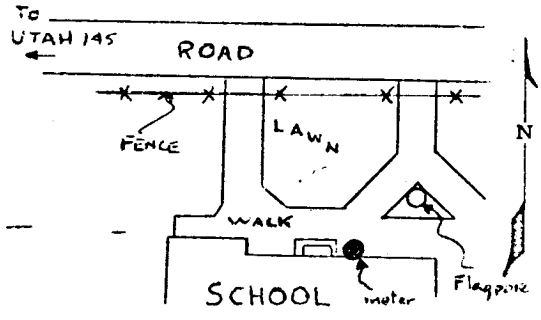
434

GRAVITY BASE STATION

LATITUDE 41° 49.4'N (1)	STATION DESIGNATION LAKETOWN
LONGITUDE 111° 19.2'W (1)	
ELEVATION 1825.2 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4634-1	ADOPTED GRAVITY VALUE: g= 979 754.27 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located 4.5 feet below USC & GS benchmark "Q126 1939", which is set vertically in the concrete portion of the front wall of the District 3 School in downtown Laketown, Utah. The station is located on the concrete walk immediately beneath the brass disc, about 150 feet south of the centerline of the street in front of the school, 32 feet north of the centerline of the west entrance, and 3 feet east of the northwest corner of the building. (1)



(1)

REFERENCE SOURCE

(1) 03685

435

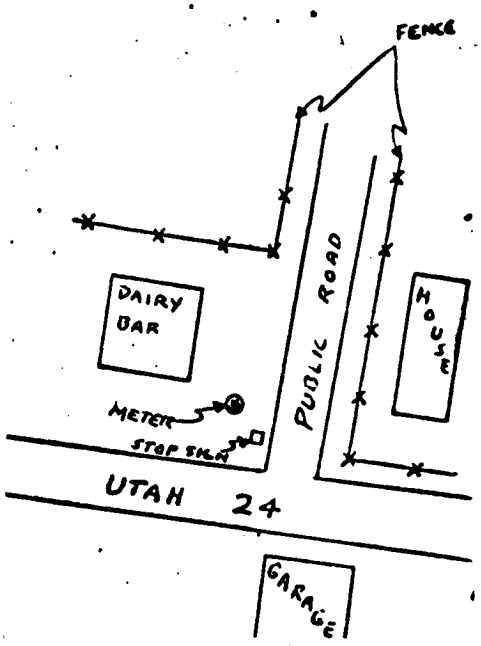
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 38° 21.9' N (1)	STATION DESIGNATION LOA
LONGITUDE 111° 38.3' W (1)	
ELEVATION 2142.66 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 2357-1; IGB 12081J	ADOPTED GRAVITY VALUE: g= 979 404.36 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR Jan/1969

DESCRIPTION AND/OR SKETCH

Station is located on USC&GS BM "U29 1934," which is set in the top of a concrete post along Utah Highway 24, four blocks southeast of downtown Loa. Concrete post, 0.2 foot high, is localed 2 blocks east of and 2 blocks south of the Loa Mercantile Store, 44 feet west of the centerline of Highway 24, 21 feet north of fence corner, and in the parking area of a small dairy bar. (1)



(1)

REFERENCE SOURCE

(1) Personal Communication 1st GSS (23 Jan 69)

980

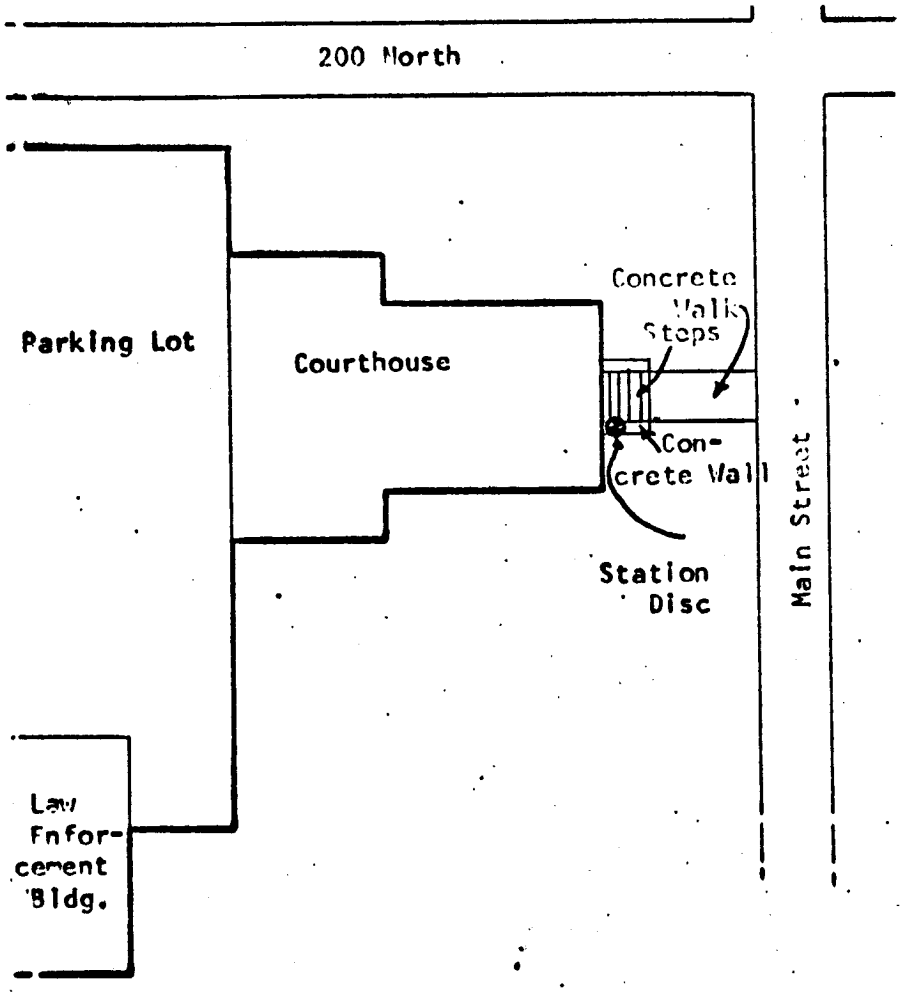
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 41° 44.08' N (1)	STATION DESIGNATION LOGAN
LONGITUDE 111° 50.12' W (1)	
ELEVATION 1382.0 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 2362-1; IGB 15611B	ADOPTED GRAVITY VALUE: g= 979 845.01 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals; DATE: MONTH/YEAR Jan/1969

DESCRIPTION AND/OR SKETCH

Station is in downtown Logan, at the southwest corner of Main and 200 North Streets, at the Cache County Courthouse, 135 ft West of the centerline of Main Street, 21 feet north of the southeast corner of the Courthouse, 12 feet south of the center line of the main (east) entrance, on the south side of the front steps, on top of the wall. Site is monumented with a standard USGS disc stamped "4534." (1)



(1)

REFERENCE SOURCE

(1) Personal Communication 1st GSS (23 Jan 69)

185

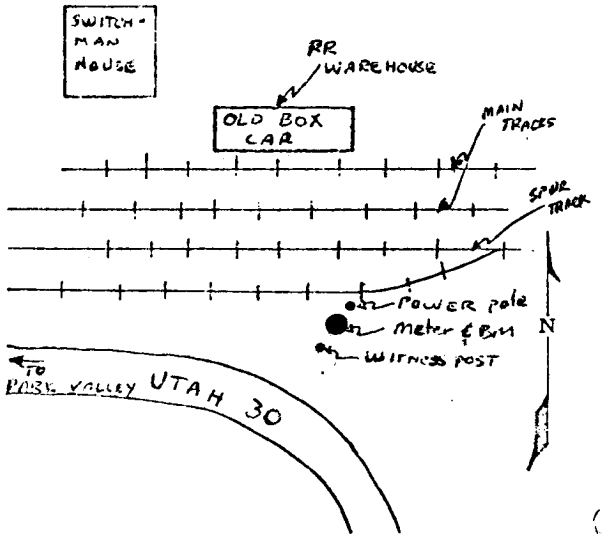
ACIC HQ FORM FEB 69 0-415

GRAVITY BASE STATION

LATITUDE 41° 21.0'N (1)	STATION DESIGNATION LUCIN
LONGITUDE 113° 54.2'W (1)	
ELEVATION 1363.2 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4635-1	ADOPTED GRAVITY VALUE: g= 979 884.07 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "S83 1958", which is set in the top of a concrete post projecting 0.2 feet above the ground at the Lucin, Utah station of the Southern Pacific Railroad. The concrete post is located between the railroad and state highway 70, 160 feet northeast of and across a driveway from the centerline of the highway, 70.6 feet south of the south rail of the main (eastbound) track, 45 feet east of the northeast corner of a railroad warehouse, and 3 feet southwest of a power pole, with a witness marker adjoining the post. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

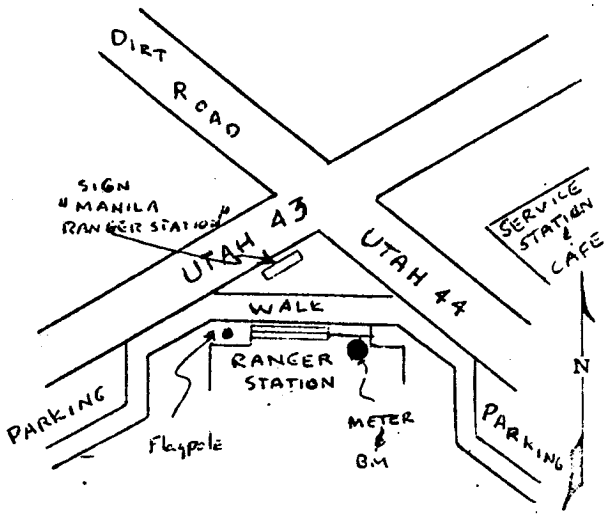
436

GRAVITY BASE STATION

LATITUDE 40° 59.3'N (1)	STATION DESIGNATION MANILA
LONGITUDE 109° 43.3'W (1)	
ELEVATION 1934.4 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4636-1	ADOPTED GRAVITY VALUE: g= 979 663.92 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "L29 1933", which is set in the top step of the main entrance to the Manila Ranger Station, Ashley National Forest, near the center of Manila, Utah. The brass disc is located at the east end (left side) of the entrance, which faces the intersection of Utah Highway 43 and Utah Highway 44. (1)



(1)

REFERENCE SOURCE

(1) 03685

437

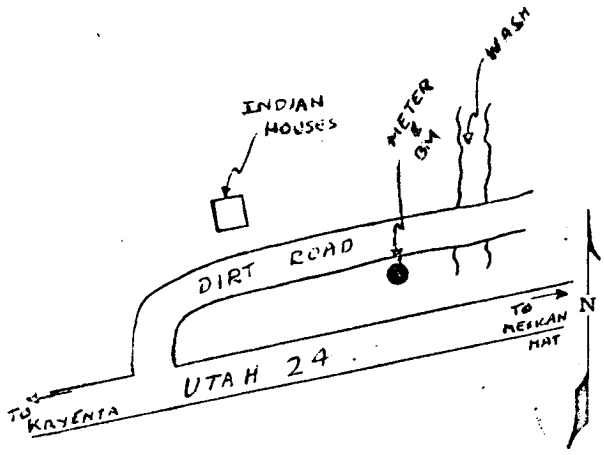
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 37° 08.5'N (1)	STATION DESIGNATION MEXICAN HAT
LONGITUDE 109° 52.9'W (1)	
ELEVATION 1305.7 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4637-1	ADOPTED GRAVITY VALUE: g= 979 485.25 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "K24 1933" which is set in the top of a concrete post about 2.1 miles southwest along Utah Highway 24 to Kayenta from Mexican Hat, Utah. The concrete post, 0.2 foot high, is located between an unpaved road branching northeast from Utah Highway 24 and Highway 24, 1.6 miles southwest of the San Juan River Bridge, near the middle of a flat-topped knoll on the northeast slope off a hill; it is 100 yards southwest of a wash, 65 feet northwest of the centerline of Highway 24, and one foot higher than the highway. No witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

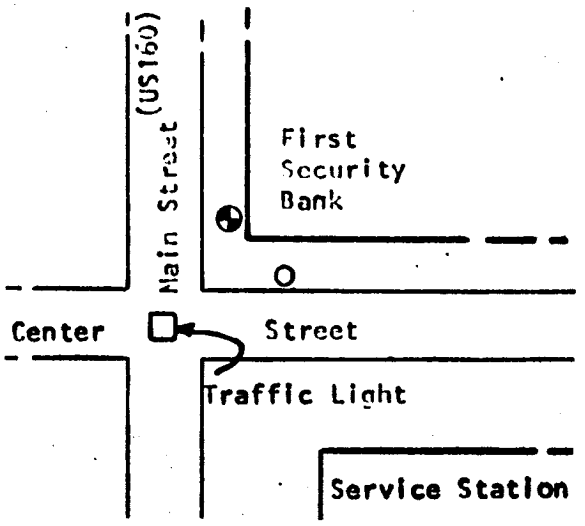
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 38° 34.9' N (1)	STATION DESIGNATION MOAB
LONGITUDE 109° 33.0' W (1)	
ELEVATION 1228.4 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 2356-1; IGB 11989B	ADOPTED GRAVITY VALUE: g= 979 565.04 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR Jan/1969

DESCRIPTION AND/OR SKETCH

Station is in Moab, near the center of town at the northeast corner of the intersection of Main St. (U. S. 160) and Center St., at the First Security Bank Building, on the sidewalk immediately adjacent to the front (west) wall of the building, 0.8 foot north of the southwest corner of the building and directly beneath USC&GS BM "019 Reset 1962," which is set in the front wall 4.4 feet above the sidewalk. (1)



(1)

REFERENCE SOURCE

(1) Personal Communication 1st GSS (23 Jan 69)

ACIC HQ FORM FEB 69 O-415

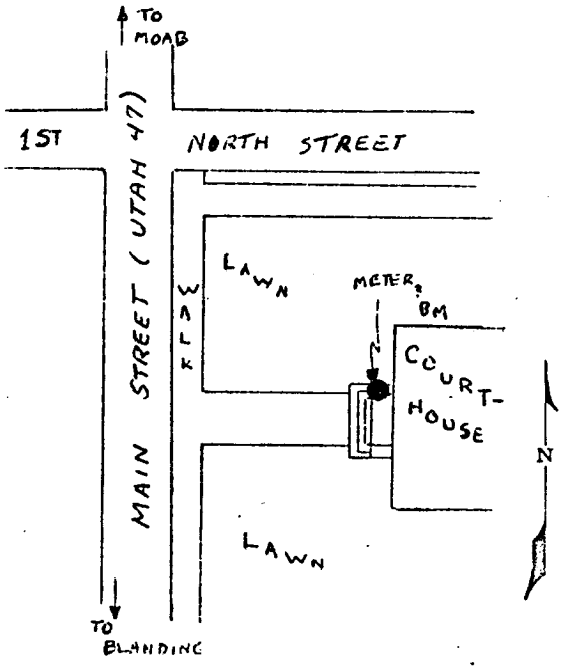
979

GRAVITY BASE STATION

LATITUDE 37° 52.4'N (1)	STATION DESIGNATION MONTICELLO
LONGITUDE 109° 20.5'W (1)	
ELEVATION 2153.9 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4638-1	ADOPTED GRAVITY VALUE: g= 979 364.46 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "V21 1933", which is set in the sandstone coping north of the steps at the main entrance to the San Juan County Courthouse in downtown Monticello, Utah. The brass disc is located about 9 feet north of the entrance centerline, at the base of two supporting columns. (1)



(1)

REFERENCE SOURCE

(1) 03685

434

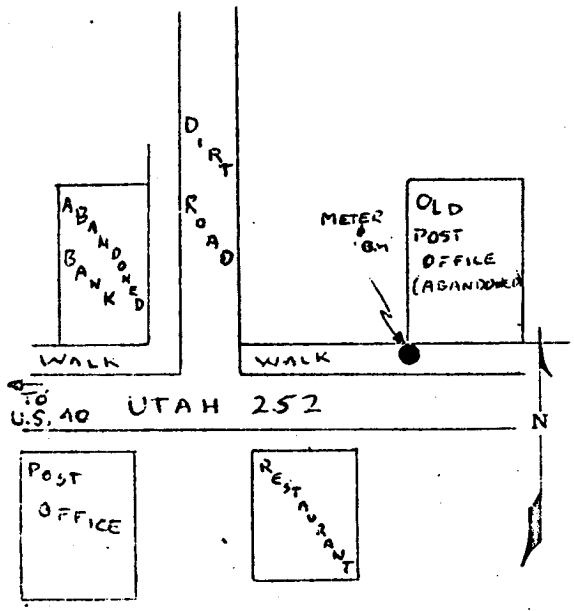
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 11.9'N (1)	STATION DESIGNATION MYTON
LONGITUDE 110° 03.8'W (1)	
ELEVATION 1549.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4639-1	ADOPTED GRAVITY VALUE: g= 979 651.89 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals — DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located four feet below USC & GS benchmark "Z52 1934", which is set vertically in the front brick wall of the former US Post Office Building (now abandoned) in downtown Myton, Utah. The station is on the sidewalk immediately below the brass disc, 2 feet east of the west end of the building, along Utah Highway 252, one-half block east of the new US Post Office Building. (1)



REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 O-415

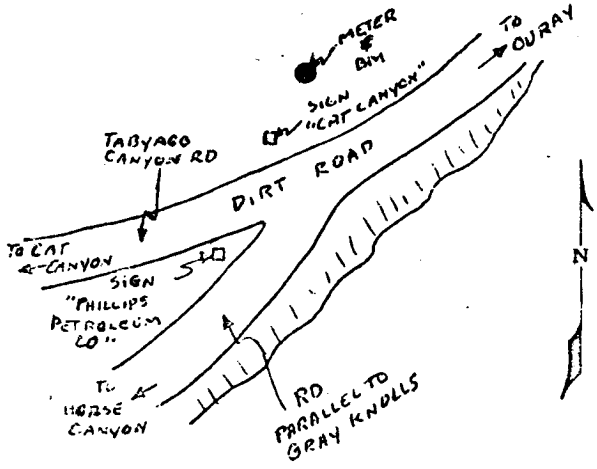
440

GRAVITY BASE STATION

LATITUDE 39° 49.5'N (1)	STATION DESIGNATION NUTTERS HOLE
LONGITUDE 109° 48.7'W (1)	
ELEVATION 1678.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4640-1	ADOPTED GRAVITY VALUE: g= 979 641.18 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals — DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "41WF 1952", which is set in the top of a concrete post one-half mile west of the Uncompahgre Addition to the Uintah and Ouray Indian Reservation, Utah, about 21 miles south of Ouray, Utah. The concrete post, 0.3 foot high, is located 50 feet north of the intersection of Tabyago Canyon Draw Road and a generally north-south road parallel to and west of Gray Knolls, about 3 miles east of Nutters Hole. No witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

441

ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

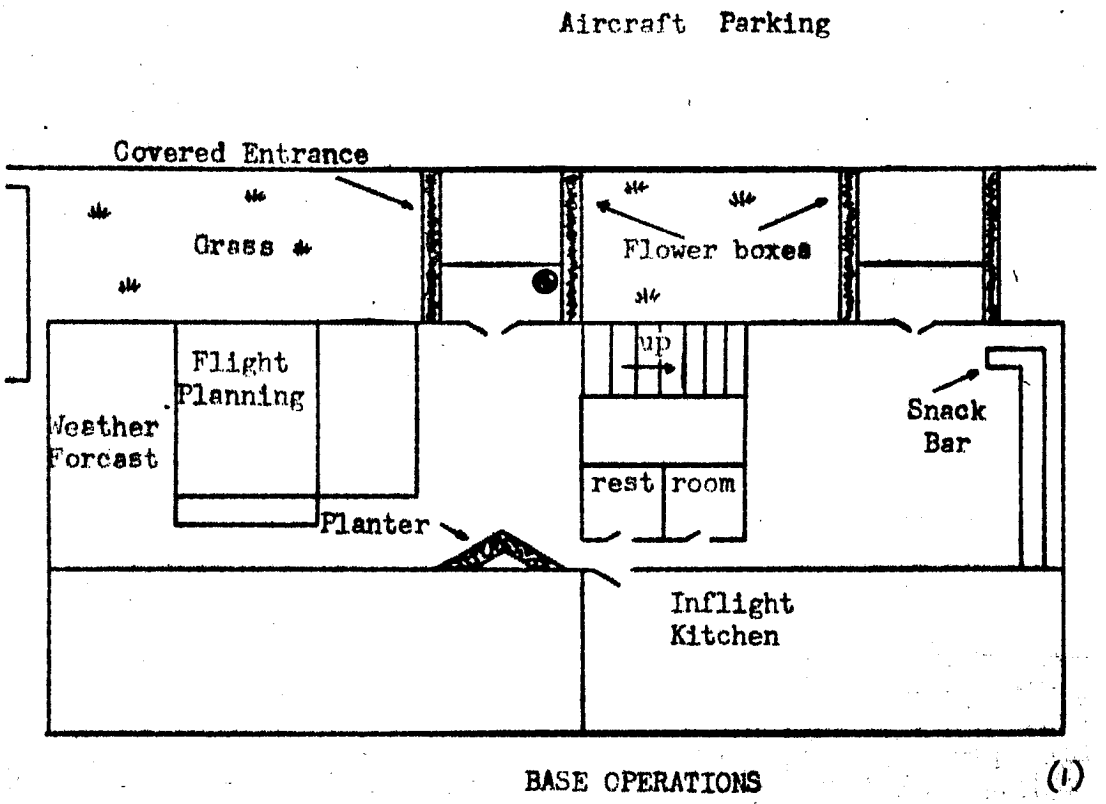
LATITUDE 41° 07.80'N (1)	STATION DESIGNATION OGDEN
LONGITUDE 111° 58.30'W (1)	
ELEVATION 1459.4 METERS (1)	COUNTRY/STATE USA/Utah

REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 2099-0		g= 979 799.83 mgals	
IGB 15611J			
WA 269			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR July/1967

DESCRIPTION AND/OR SKETCH

The station is located at Hill AFB in Ogden Utah. The site is on the north side of the Base Operations Building. The station is three meters northeast of the main entrance doors. Observations were made on the first step one-half meter west of the flower box. The site is on the concrete surface.

The station is monumented with a bronze disk inscribed "USAF GRAVITY STATION". (1)



REFERENCE SOURCE

(1) 02733

ACIC HQ FORM FEB 69 O-415

929

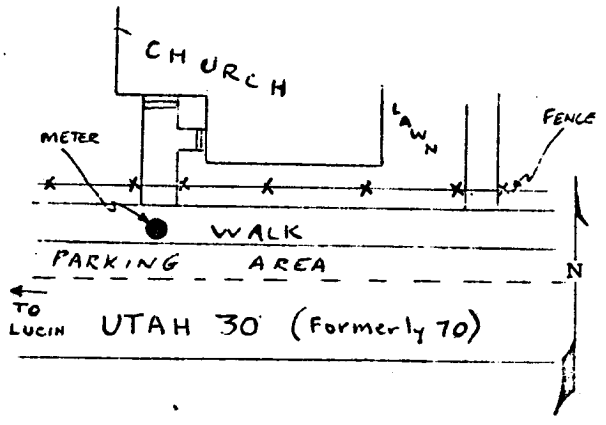
GRAVITY BASE STATION

LATITUDE 41° 49.1'N (1)	STATION DESIGNATION PARK VALLEY
LONGITUDE 113° 19.8'W (1)	
ELEVATION 1689.5 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4641-1	ADOPTED GRAVITY VALUE: g= 979 855.10 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on the sidewalk south of the main (south) gate entrance to the grounds of the Park Valley Ward, Church of the Latter-Day Saints, along Utah Highway 30 (formerly 70) in Park Valley, Utah. The station is located 3 feet south of the fence surrounding the church grounds, immediately west of a crack in the sidewalk extending south from the fence gate into the church, and on the south edge of the sidewalk, which is parallel to the fence.

(1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

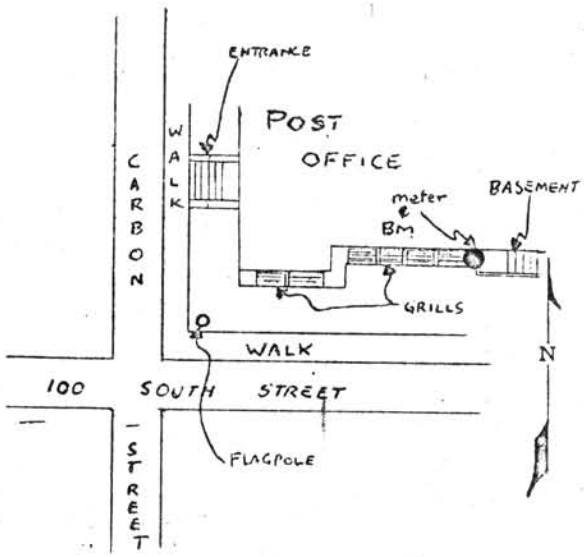
442

GRAVITY BASE STATION

LATITUDE 39° 36.0'N (1)	STATION DESIGNATION PRICE
LONGITUDE 110° 48.5'W (1)	
ELEVATION 1691.7 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4025-1	ADOPTED GRAVITY VALUE: g= 979 618.80 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals — DATE: MONTH/YEAR 10/70

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "B50 1934", which is set in a concrete coping above a row of basement windows in the US Post Office Building in downtown Price, Utah. The coping is located on the south side of the building (South Street side) just west of a stairway leading to the basement. (1)



(1)

REFERENCE SOURCE

(1) 03405

321

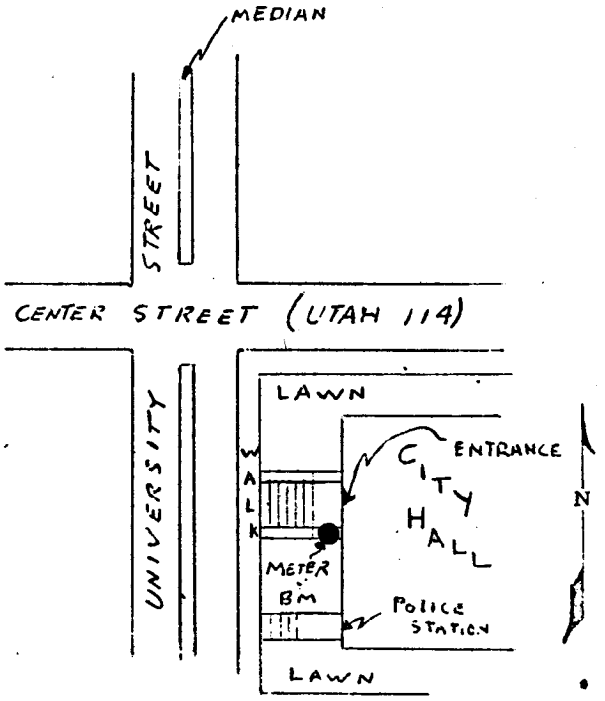
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 14.0'N (1)	STATION DESIGNATION PROVO
LONGITUDE 111° 39.5'W (1)	
ELEVATION 1387.8 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4642-1	ADOPTED GRAVITY VALUE: g= 979 717.56 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "4552 1910", which is set in a concrete coping above a basement window of the Provo City Offices Building (formerly the Post Office Building) in downtown Provo, Utah. The benchmark is located 10 feet south of the main entrance to the building and north of the entrance to the police department, on University Street. (1)



(1)

REFERENCE SOURCE

(1) 03685

443

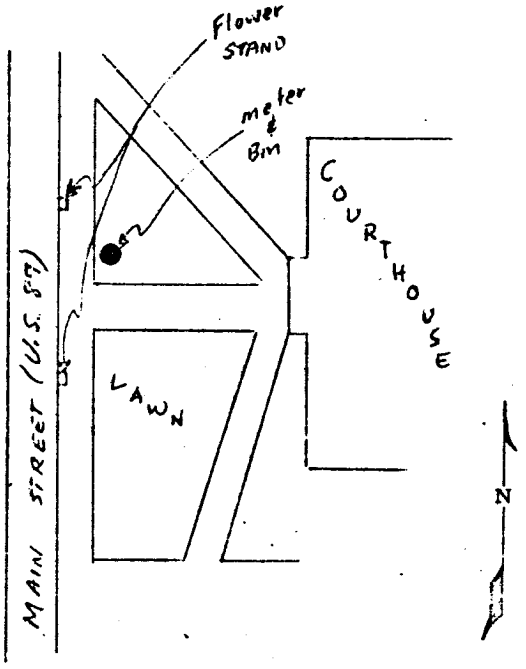
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 38° 46.3'N (1)	STATION DESIGNATION RICHFIELD
LONGITUDE 112° 05.0'W (1)	
ELEVATION 1629.2 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4643-1	ADOPTED GRAVITY VALUE: g= 979 509.08 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "H95 1931", which is set in the top of a concrete post on the grounds of the Sevier County Courthouse in downtown Richfield, Utah. The concrete post, 0.2 foot high, is located 50 feet west of the west entrance to the courthouse, 12 feet east of the street sidewalk, and 8 feet north of the sidewalk leading to the building on Main Street. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

444

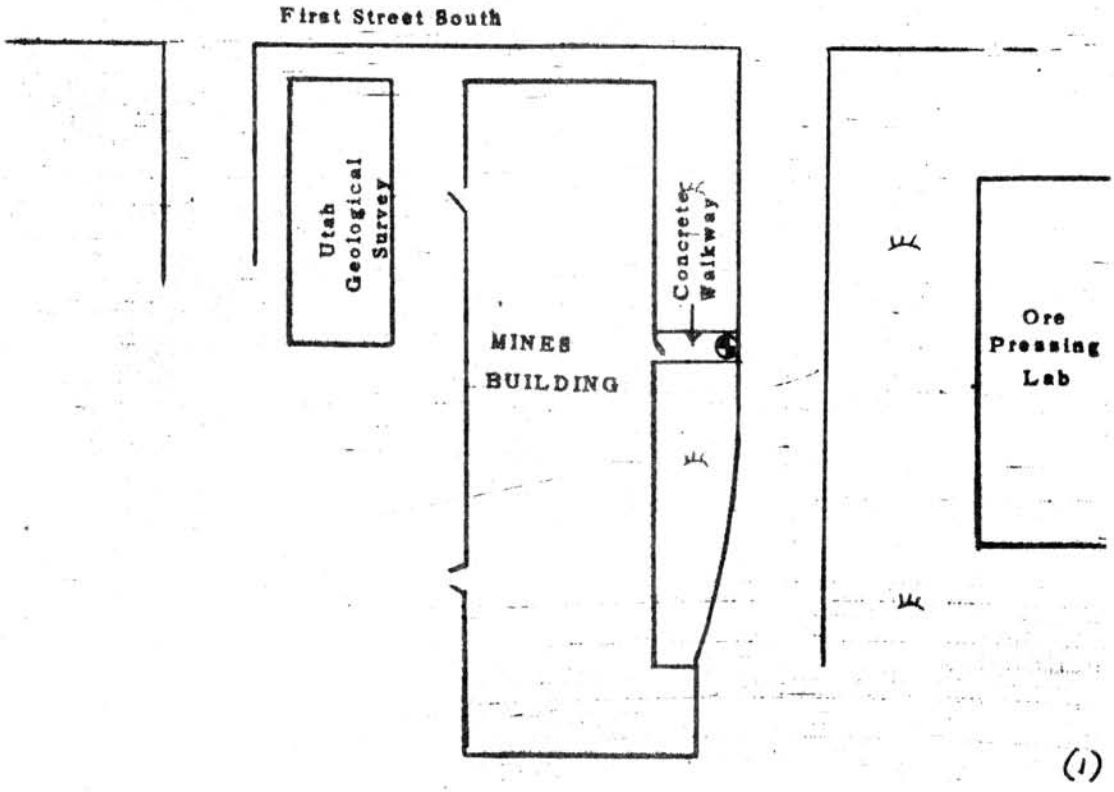
GRAVITY BASE STATION

LATITUDE 40° 45.70'N (1)	STATION DESIGNATION
LONGITUDE 111° 58.30'W (1)	SALT LAKE CITY
ELEVATION 1287.00 METERS (1)	COUNTRY/STATE USA/Utah

REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 0471-4		g= 979 784.38 mgals	
IGB 15601N			
JU 28			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR July/1967

DESCRIPTION AND/OR SKETCH

The station is in northeastern Salt Lake City at the University of Utah, near the intersection of Wolcott St. and First St. South, at the Mines Building, on the east side near the small entrance, across the street from the Ore Pressing Lab, at the street end of the walk, on the concrete. (1)



REFERENCE SOURCE

(1) 02733

ACIC HQ FORM FEB 69 O-415

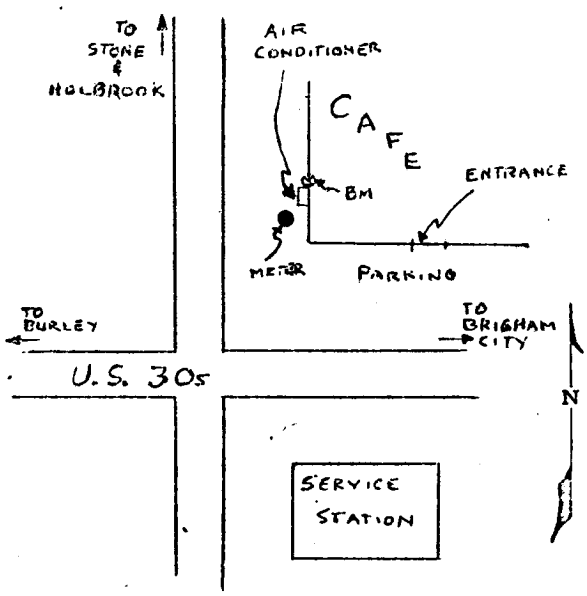
601

GRAVITY BASE STATION

LATITUDE 41° 58.0'N (1)	STATION DESIGNATION SNOWVILLE
LONGITUDE 112° 42.5'W (1)	
ELEVATION 1387.0 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4644-1	ADOPTED GRAVITY VALUE: g= 979 918.96 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located 4.0 feet below USC & GS benchmark "C89 1934", which is set vertically in the south end of the west wall of a brick cafe building along US Highway 30S in Snowville, Utah. The station is located on the asphalt pavement immedicately beneath the brass disc, at the junction of a T-road leading north from Highway 30S. (1)



(1)

REFERENCE SOURCE

(1) 03685

445

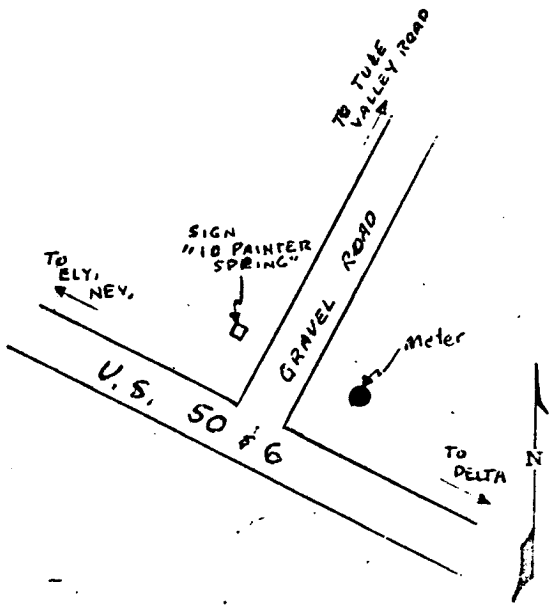
ACIC HQ FORM FEB 69 0-415

GRAVITY BASE STATION

LATITUDE 39° 04.2'N (1)	STATION DESIGNATION SOUTH WHITE VALLEY
LONGITUDE 113° 27.5'W (1)	
ELEVATION 1375.9 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4645-1	ADOPTED GRAVITY VALUE: g= 979 636.39 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USGS benchmark "25 HJH 1958", which is set in the top of a concrete post located along US Highway 6-50 at the south end of the White Valley, 6 miles northwest of Skull Rock Pass and one mile north of the Tule Valley Road. The concrete post, about 0.5 feet high, is located southeast of a gravel road branching northeast from US Highway 6.50 to the Painters Spring, and is opposite a US Bureau of Land Management sign designating "Painters Spring, 10 miles (NE)". No witness post is present. (1)



(1)

REFERENCE SOURCE

(1) 03685

ACIC HQ FORM FEB 69 0-415

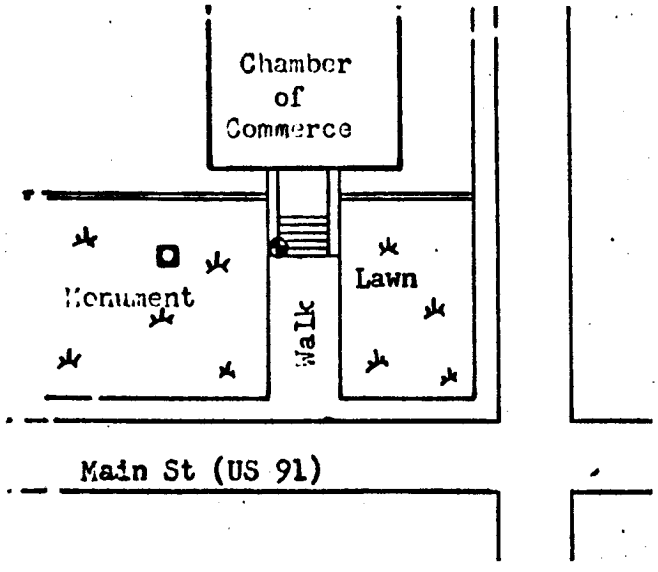
GRAVITY BASE STATION

LATITUDE 37° 06.4' N (1)	STATION DESIGNATION ST. GEORGE
LONGITUDE 113° 34.8' W (1)	
ELEVATION 841.4 METERS (1)	COUNTRY/STATE USA/Utah

REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 2355-1		g= 979 610.42 mgals	
IGB 12073C			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR Jan/1969

DESCRIPTION AND/OR SKETCH

Station is in St. George, near the center of town, at the Chamber of Commerce building (formerly Washington County Courthouse). It is 82 feet west of the northwest corner of the road intersection, 36 feet north of the north curb line, and 3.1 feet above the sidewalk, on top of the concrete pedestal at the foot of the west balustrade of the front stairway. Site is monumented with a USC&GS BM stamped "N 58 1934." (1)



(1)

REFERENCE SOURCE

(1) Personal Communication 1st GSS 23 Jan 69

978

ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 26.9'N (1)	STATION DESIGNATION VERNAL
LONGITUDE 109° 30.8'W (1)	
ELEVATION 1606.3 METERS (1)	COUNTRY/STATE USA/Utah

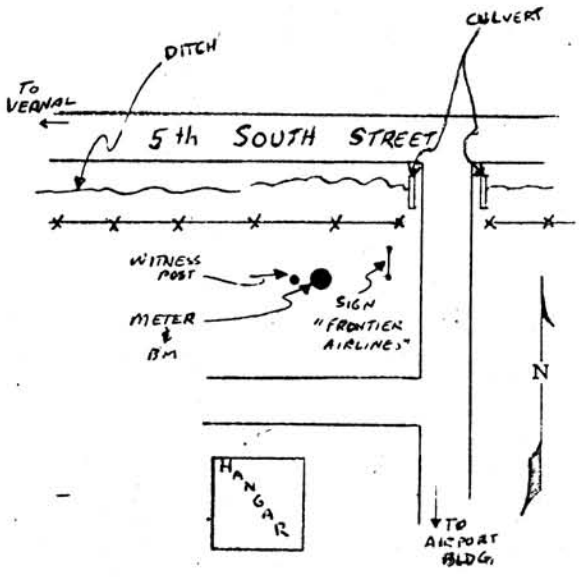
REFERENCE CODE NUMBERS		ADOPTED GRAVITY VALUE	
ACIC 0557-0		g= 979 667.54 mgals	
IGB 15509J			
U 1175			
		ESTIMATED ACCURACY	DATE
		± 0.1 mgals	MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located on USC & GS benchmark "Vernal 1946", which is set in the top of a concrete post in the parking area of the Vernal City Airport, southeast of Vernal, Utah. The concrete post, set flush with the ground, is located in the northeast corner of the parking area, about 400 feet northeast of the Basin Flying Service hangar, 60 feet south of the centerline of 5th Street South, and 30 feet south-southwest of a fence corner. A standard witness post adjoins the post.

The base station is near, but not coincident with, US Coast and Geodetic Survey pendulum station No 1175, Vernal, Utah (elevation 5,313 feet), established by G. R. Shelton in 1948. The observed gravity value was 979,671 mgal (Duerkson, 1949, P. 40 and 204).

(1)



(1)

REFERENCE SOURCE

(1) 03685

91

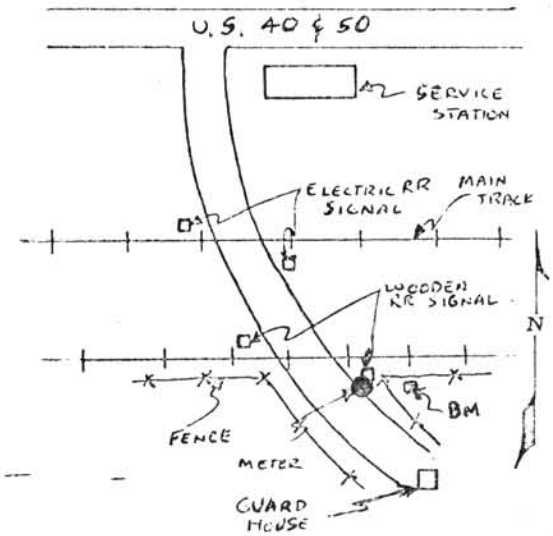
ACIC HQ FORM FEB 69 O-415

GRAVITY BASE STATION

LATITUDE 40° 44.1'N (1)	STATION DESIGNATION WENDOVER
LONGITUDE 114° 01.8'W (1)	
ELEVATION 1296.1 METERS (1)	COUNTRY/STATE USA/Utah
REFERENCE CODE NUMBERS: ACIC 4646-1	ADOPTED GRAVITY VALUE: IGSN 71 979824.60; g= 979 838.34 mgals
	ESTIMATED ACCURACY: ± 0.1 mgals
	DATE: MONTH/YEAR 12/71

DESCRIPTION AND/OR SKETCH

The station is located near USC & GS benchmark "J334 1945", which is set in a low concrete post near the entrance to Wendover Air Force Base (abandoned) in the southern part of Wendover, Utah. Inaccessibility of the benchmark necessitated using a station located on the concrete platform of the railroad crossing signal along the east side of the road from US Highways 40 and 50 south to the Air Force Base, about 25 feet west of a barbed wire fence and just west of a large light pole, about 10 feet south of the aouthernmost railroad track. (1)



(1)

REFERENCE SOURCE

(1) 03685

447

ACIC HQ FORM FEB 69 O-415