

ELEVATION CERTIFICATE

OMB No. 1660-0008
Expires March 31, 2012

Important: Read the instructions on pages 1-9.

SECTION A - PROPERTY INFORMATION

A1. Building Owner's Name Steven and Ivy Santee		For Insurance Company Use: Policy Number
A2. Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 45 Rd. 4275		Company NAIC Number

City Navajo Dam State NM ZIP Code 87419

A3. Property Description (Lot and Block Numbers, Tax Parcel Number, Legal Description, etc.)

A4. Building Use (e.g., Residential, Non-Residential, Addition, Accessory, etc.) Residential

A5. Latitude/Longitude: Lat. 36°47 '57.95307"N Long. 107°42'03.23875"W Horizontal Datum: NAD 1927 NAD 1983

A6. Attach at least 2 photographs of the building if the Certificate is being used to obtain flood insurance.

A7. Building Diagram Number 6

A8. For a building with a crawlspace or enclosure(s):

- a) Square footage of crawlspace or enclosure(s) 1296 sq ft
- b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade 0
- c) Total net area of flood openings in A8.b 0 sq in
- d) Engineered flood openings? Yes No

A9. For a building with an attached garage:

- a) Square footage of attached garage N/A sq ft
- b) No. of permanent flood openings in the attached garage within 1.0 foot above adjacent grade _____
- c) Total net area of flood openings in A9.b _____ sq in
- d) Engineered flood openings? Yes No

SECTION B - FLOOD INSURANCE RATE MAP (FIRM) INFORMATION

B1. NFIP Community Name & Community Number Unincorporated Areas 350064-0375 B		B2. County Name San Juan		B3. State NM	
B4. Map/Panel Number 375	B5. Suffix B	B6. FIRM Index Date 08/08/1988	B7. FIRM Panel Effective/Revised Date	B8. Flood Zone(s) A	B9. Base Flood Elevation(s) (Zone AO, use base flood depth) N/A

B10. Indicate the source of the Base Flood Elevation (BFE) data or base flood depth entered in Item B9.

- FIS Profile FIRM Community Determined Other (Describe) _____

B11. Indicate elevation datum used for BFE in Item B9: NGVD 1929 NAVD 1988 Other (Describe) _____

B12. Is the building located in a Coastal Barrier Resources System (CBRS) area or Otherwise Protected Area (OPA)? Yes No
Designation Date _____ CBRS OPA

SECTION C - BUILDING ELEVATION INFORMATION (SURVEY REQUIRED)

C1. Building elevations are based on: Construction Drawings* Building Under Construction* Finished Construction

*A new Elevation Certificate will be required when construction of the building is complete.

C2. Elevations – Zones A1-A30, AE, AH, A (with BFE), VE, V1-V30, V (with BFE), AR, AR/A, AR/AE, AR/A1-A30, AR/AH, AR/AO. Complete Items C2.a-h below according to the building diagram specified in Item A7. Use the same datum as the BFE.

Benchmark Utilized _____ Vertical Datum _____

Conversion/Comments _____

Check the measurement used.

- a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5675.01 feet meters (Puerto Rico only)
- b) Top of the next higher floor 5678.18 feet meters (Puerto Rico only)
- c) Bottom of the lowest horizontal structural member (V Zones only) N/A feet meters (Puerto Rico only)
- d) Attached garage (top of slab) N/A feet meters (Puerto Rico only)
- e) Lowest elevation of machinery or equipment servicing the building (Describe type of equipment and location in Comments) N/A feet meters (Puerto Rico only)
- f) Lowest adjacent (finished) grade next to building (LAG) 5675.40 feet meters (Puerto Rico only)
- g) Highest adjacent (finished) grade next to building (HAG) 5676.55 feet meters (Puerto Rico only)
- h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support 5675.10 feet meters (Puerto Rico only)

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION

This certification is to be signed and sealed by a land surveyor, engineer, or architect authorized by law to certify elevation information. I certify that the information on this Certificate represents my best efforts to interpret the data available. I understand that any false statement may be punishable by fine or imprisonment under 18 U.S. Code, Section 1001.

Check here if comments are provided on back of form. Were latitude and longitude in Section A provided by a licensed land surveyor? Yes No

Certifier's Name Scott Andrae		License Number 9625	
Title Owner	Company Name Intermountain Mapping Serices, LLC		
Address 1875 Hwy 170	City La Plata	State NM	ZIP Code 87418
Signature	Date 7/24/2009	Telephone 505-325-5244	

PLACE
SEAL
HERE

IMPORTANT: In these spaces, copy the corresponding information from Section A.	For Insurance Company Use:
Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 45 Rd. 4275	Policy Number
City Navajo Dam State NM ZIP Code 87419	Company NAIC Number

SECTION D - SURVEYOR, ENGINEER, OR ARCHITECT CERTIFICATION (CONTINUED)

Copy both sides of this Elevation Certificate for (1) community official, (2) insurance agent/company, and (3) building owner.

Comments Elevations are NAVD88. Position is from an OPUS observation. BM of 5/8" rebar w/plastic cap mk's LS9625 set. Elevation there is 5678.389' NAVD88.

Signature	Date 07/28/2009	<input checked="" type="checkbox"/> Check here if attachments
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SECTION E - BUILDING ELEVATION INFORMATION (SURVEY NOT REQUIRED) FOR ZONE AO AND ZONE A (WITHOUT BFE)

For Zones AO and A (without BFE), complete Items E1-E5. If the Certificate is intended to support a LOMA or LOMR-F request, complete Sections A, B, and C. For Items E1-E4, use natural grade, if available. Check the measurement used. In Puerto Rico only, enter meters.

- E1. Provide elevation information for the following and check the appropriate boxes to show whether the elevation is above or below the highest adjacent grade (HAG) and the lowest adjacent grade (LAG).
 a) Top of bottom floor (including basement, crawlspace, or enclosure) is _____. feet meters above or below the HAG.
 b) Top of bottom floor (including basement, crawlspace, or enclosure) is _____. feet meters above or below the HAG.
- E2. For Building Diagrams 6-9 with permanent flood openings provided in Section A Items 8 and/or 9 (see pages 8-9 of Instructions), the next higher floor (elevation C2.b in the diagrams) of the building is _____. feet meters above or below the HAG.
- E3. Attached garage (top of slab) is _____. feet meters above or below the HAG.
- E4. Top of platform of machinery and/or equipment servicing the building is _____. feet meters above or below the HAG.
- E5. Zone AO only: If no flood depth number is available, is the top of the bottom floor elevated in accordance with the community's floodplain management ordinance? Yes No Unknown. The local official must certify this information in Section G.

SECTION F - PROPERTY OWNER (OR OWNER'S REPRESENTATIVE) CERTIFICATION

The property owner or owner's authorized representative who completes Sections A, B, and E for Zone A (without a FEMA-issued or community-issued BFE) or Zone AO must sign here. *The statements in Sections A, B, and E are correct to the best of my knowledge.*

Property Owner's or Owner's Authorized Representative's Name			
Address	City	State	ZIP Code
Signature	Date	Telephone	
Comments			

Check here if attachments

SECTION G - COMMUNITY INFORMATION (OPTIONAL)

The local official who is authorized by law or ordinance to administer the community's floodplain management ordinance can complete Sections A, B, C (or E), and G of this Elevation Certificate. Complete the applicable item(s) and sign below. Check the measurement used in Items G8 and G9.

- G1. The information in Section C was taken from other documentation that has been signed and sealed by a licensed surveyor, engineer, or architect who is authorized by law to certify elevation information. (Indicate the source and date of the elevation data in the Comments area below.)
- G2. A community official completed Section E for a building located in Zone A (without a FEMA-issued or community-issued BFE) or Zone AO.
- G3. The following information (Items G4-G9) is provided for community floodplain management purposes.

G4. Permit Number	G5. Date Permit Issued	G6. Date Certificate Of Compliance/Occupancy Issued
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- G7. This permit has been issued for: New Construction Substantial Improvement
- G8. Elevation of as-built lowest floor (including basement) of the building: _____. feet meters (PR) Datum _____
- G9. BFE or (in Zone AO) depth of flooding at the building site: _____. feet meters (PR) Datum _____
- G10. Community's design flood elevation: _____. feet meters (PR) Datum _____

Local Official's Name	Title
Community Name	Telephone
Signature	Date
Comments	

Check here if attachments

Building Photographs

See Instructions for Item A6.

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 45 Rd. 4275	For Insurance Company Use: Policy Number
City Navajo Dam State NM ZIP Code 87419	Company NAIC Number

If using the Elevation Certificate to obtain NFIP flood insurance, affix at least two building photographs below according to the instructions for Item A6. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View." If submitting more photographs than will fit on this page, use the Continuation Page, following.

Front View



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 45 Rd. 4275	For Insurance Company Use: Policy Number
City Navajo Dam State NM ZIP Code 87419	Company NAIC Number

If submitting more photographs than will fit on the preceding page, affix the additional photographs below. Identify all photographs with: date taken; "Front View" and "Rear View"; and, if required, "Right Side View" and "Left Side View."



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OPUS-RS solution : 70912040.DAT 000986682 Inbox X

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FILE: 70912040.DAT 000986682

[Contacts](#)

2005 NOTE: The IGS precise and IGS rapid orbits were not available
2005 at processing time. The IGS ultra-rapid orbit was/will be used to
2005 process the data.

[Tasks](#)

2005

Scott W Andrae

6030 ***** WARNING *****
6030 One or both of the standard deviations associated with
6030 horizontal coordinates is greater than 5 cm, and/or the
6030 standard deviation associated with the vertical coordinate
6030 is greater than 10 cm. This means that the vectors used to
6030 determine your position did not agree as well as expected.
6030 Often this is the result of problems with the data at one
6030 or more of the reference stations selected by OPUS-RS.
6030 If a problem reference station can be identified, it can
6030 be excluded with the Exclude feature on the OPUS Options
6030 page.
6030

NGS OPUS-RS SOLUTION REPORT
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USER: scottandrae@wildblue.net DATE: July 24, 2009
RINEX FILE: 7091204q.09o TIME: 16:56:19 UTC

SOFTWARE: rsgps 1.32 RS29.prl 1.53b START: 2009/07/23 16:57:15
EPHEMERIS: igu15414.eph [ultra-rapid] STOP: 2009/07/23 17:14:30
NAV FILE: brdc2040.09n OBS USED: 1476 / 1476 : 100%
ANT NAME: TRM33429.00+GP QUALITY IND. 26.76/ 24.99
ARP HEIGHT: .1 NORMALIZED RMS: 0.259

REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2009.55812)

X: -1555122.612(m) 0.028(m)	-1555123.347(m) 0.028(m)
Y: -4872578.974(m) 0.098(m)	-4872577.640(m) 0.098(m)
Z: 3800618.138(m) 0.084(m)	3800618.029(m) 0.084(m)

LAT: 36 47 57.95307 0.008(m) 36 47 57.97058 0.008(m)
E LON: 252 17 56.76125 0.005(m) 252 17 56.71665 0.005(m)
W LON: 107 42 3.23875 0.005(m) 107 42 3.28335 0.005(m)
EL HGT: 1710.503(m) 0.132(m) 1709.599(m) 0.132(m)
ORTHO HGT: 1731.107(m) 0.135(m) [NAVD88 (Computed using GEOID03)]

UTM COORDINATES STATE PLANE COORDINATES

	UTM (Zone 13)	SPC (3003 NM W)
Northing (Y) [meters]	4076026.657	643232.973
Easting (X) [meters]	259029.416	841818.051
Convergence [degrees]	-1.61865985	0.07932994
Point Scale	1.00031542	0.99991839
Combined Factor	1.00004697	0.99965004

US NATIONAL GRID DESIGNATOR: 13SBA5902976027(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
AI0265	AZCN AZTEC CORS ARP	N365023.235	W1075439.422	19274.7
DH5816	P028 CHACOCNHP_NM2005 CORS ARP	N360154.048	W1075430.227	87228.3
DK7753	P123 TRESPIEDRANM2006 CORS ARP	N363806.598	W1055439.006	161006.9
DI0438	NMGR GRANTS NMDOT CORS ARP	N351259.649	W1075548.368	176890.7
DI2245	P011 SPIDERROCKAZ2005 CORS ARP	N360859.363	W1093109.175	178227.9
DF4369	NMSF SANTA FE CORS ARP	N354025.623	W1055730.931	200374.8
DI3419	P012 MONTICELLOUT2006 CORS ARP	N380550.740	W1092001.762	204076.4
DL3478	R301 CRAWFORD CORS ARP	N383923.739	W1073527.367	206408.6
DI8979	AR06 ALBUQUERQUE CORS ARP	N345725.658	W1069940.006	231678.1