

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 Michael Kern		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. 91 CR 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 53.40788 Long. -107 42 31.84964 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) n/a sq ft

b) No. of permanent flood openings in the crawlspace or enclosure(s) within 1.0 foot above adjacent grade _____

c) Total net area of flood openings in A8.b _____ 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 San Juan County, New Mexico and Incorporated areas 350064		B2. County Name San Juan	B3. State New Mexico		
B4. Map/Panel Number 800	B5. Suffix F	B6. FIRM Index Date 8/2010	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 OPUS Vertical Datum NAVD1988
Conversion/Comments _____

Check the measurement used.

a) Top of bottom floor (including basement, crawlspace, or enclosure floor) 5668.92 feet meters (Puerto Rico only)

b) Top of the next higher floor n/a 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) 5665.51 feet meters (Puerto Rico only)

g) Highest adjacent (finished) grade next to building (HAG) 5665.72 feet meters (Puerto Rico only)

h) Lowest adjacent grade at lowest elevation of deck or stairs, including structural support n/a 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 NM9625	
Title Owner	Company Name Intermountain Mapping Services, LLC		
Address 1875 Highway 170	City La Plata	State NM	ZIP Code 87418
Signature	Date	Telephone 505-325-5244	



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. 91 CR 4275	Policy Number
City Navajo DamState 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

Signature	Date	<input 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. 91 CR4275	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, looking East, note tie downs



Building Photographs

Continuation Page

Building Street Address (including Apt., Unit, Suite, and/or Bldg. No.) or P.O. Route and Box No. 81cr 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."	

Back of structure looking West





Scott W Andrae <scottandrae@wildblue.net>

OPUS-RS solution : 59352361.DAT 000306099

1 message

opus <opus@ngs.noaa.gov>

Thu, Aug 25, 2011 at 4:13 PM

Reply-To: ngs.opus@noaa.gov

To: scottandrae@wildblue.net

FILE: 59352361.DAT 000306099

NGS OPUS-RS SOLUTION REPORT

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All computed coordinate accuracies are listed as 1-sigma RMS values.

For additional information: <http://www.ngs.noaa.gov/OPUS/about.html#accuracy>USER: scottandrae@wildblue.net

DATE: August 25, 2011

RINEX FILE: 5935236r.11o

TIME: 22:12:33 UTC

SOFTWARE: rsgps 1.35.1 RS11.prl 1.71 START: 2011/08/24 17:38:25
 EPHEMERIS: igr16503.eph [rapid] STOP: 2011/08/24 18:00:30
 NAV FILE: brdc2360.11n OBS USED: 1496 / 1832 : 82%
 ANT NAME: TRM5800 QUALITY IND. 14.39/ 22.20
 ARP HEIGHT: 2.072 NORMALIZED RMS: 0.363

REF FRAME: NAD_83(CORS96)(EPOCH:2002.0000) ITRF00 (EPOCH:2011.64587)

X:	-1555823.017(m)	0.016(m)	-1555823.779(m)	0.016(m)
Y:	-4872440.092(m)	0.043(m)	-4872438.758(m)	0.043(m)
Z:	3800503.484(m)	0.032(m)	3800503.361(m)	0.032(m)

LAT:	36 47 53.40788	0.012(m)	36 47 53.42487	0.012(m)
E LON:	252 17 28.15036	0.006(m)	252 17 28.10473	0.006(m)
W LON:	107 42 31.84964	0.006(m)	107 42 31.89527	0.006(m)
EL HGT:	1706.444(m)	0.054(m)	1705.538(m)	0.054(m)
ORTHO HGT:	1727.049(m)	0.056(m)	[NAVD88 (Computed using GEOID09)]	

UTM COORDINATES STATE PLANE COORDINATES

UTM (Zone 13) SPC (3003 NM W)

Northing (Y) [meters]	4075906.629	643091.922
Easting (X) [meters]	258316.233	841109.021
Convergence [degrees]	-1.62337961	0.07456707
Point Scale	1.00031966	0.99991819
Combined Factor	1.00005185	0.99965048

US NATIONAL GRID DESIGNATOR: 13SBA5831675906(NAD 83)

BASE STATIONS USED

PID	DESIGNATION	LATITUDE	LONGITUDE	DISTANCE(m)
DH5816	P028 CHACOCNHP_NM2005	CORS ARP	N360154.048 W1075430.227	86941.8

DK7753 P123 TRESPIEDRANM2006 CORS ARP	N363806.598 W1055439.006	161698.0
DI0438 NMGR GRANTS NMDOT CORS ARP	N351259.649 W1075548.368	176669.1
DL3585 MC10 MONTROSE CORS ARP	N382720.136 W1075242.394	184609.3
DF4369 NMSF SANTA FE CORS ARP	N354025.623 W1055730.931	200847.7
DH6918 MC05 MESA CNTY 05 COOP CORS ARP	N384422.383 W1080422.684	217897.2
DJ8977 ABQ5 ALBUQUERQUE 5 CORS ARP	N345726.546 W1062940.037	231869.8
DE6386 ZAB1 ALBUQUERQUE 1 CORS ARP	N351024.854 W1063402.413	207625.9

NEAREST NGS PUBLISHED CONTROL POINT

GN0645	SAN JUAN	N364728.119 W1073618.813	9270.2
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This position and the above vector components were computed without any knowledge by the National Geodetic Survey regarding the equipment or field operating procedures used.
