

**APPENDIX C**

**SITE PHOTOS**



**Photo 1, Photo of site area from Pima County GIS, 10/6/2015**

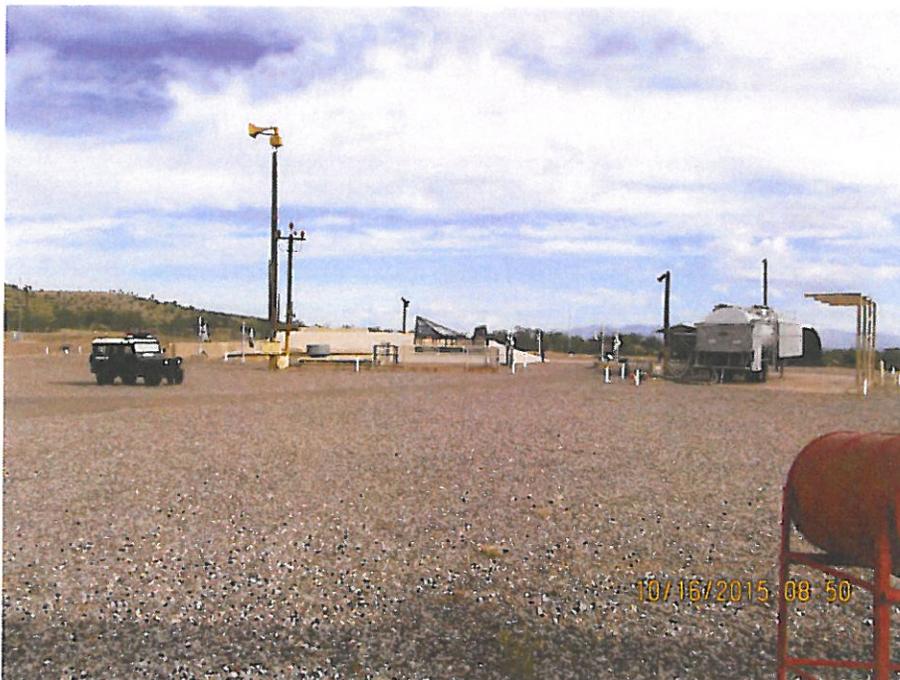
<http://gis.pima.gov/pictometry/ipa/llviewer.aspx?lat=31.90313&lon=-110.99907> (Public Land Survey System Search, 2008)



**Photo 2, Site Photo 1, Entrance to Titan Missile Museum, 16 Oct 2015**



**Photo 3, Site Photo 2, Vehicle Entrance to Missile Site,16 Oct 2015**



**Photo 4, Site Photo 3, View of Blast Cover and Fuel Truck, 16 Oct 2015**



**Photo 5, Site Photo 4, Fuel Delivery Tank, 16 Oct 2015**



**Photo 6, Site Photo 5, Crew Access Portal, 16 Oct 2015**



Photo 7, Site Photo 6, Antenna Silo Covers, 10/16/2015



Photo 8, Site Photo 7, Crew Access Portal, 10/16/2015



Photo 9, Site Photo #8, Fuel Hardstand with Hydrant System Pipes, 10/16/2015



Photo 10, Site Photo #9, Glass Cover Over Missile Silo, 10/16/2015

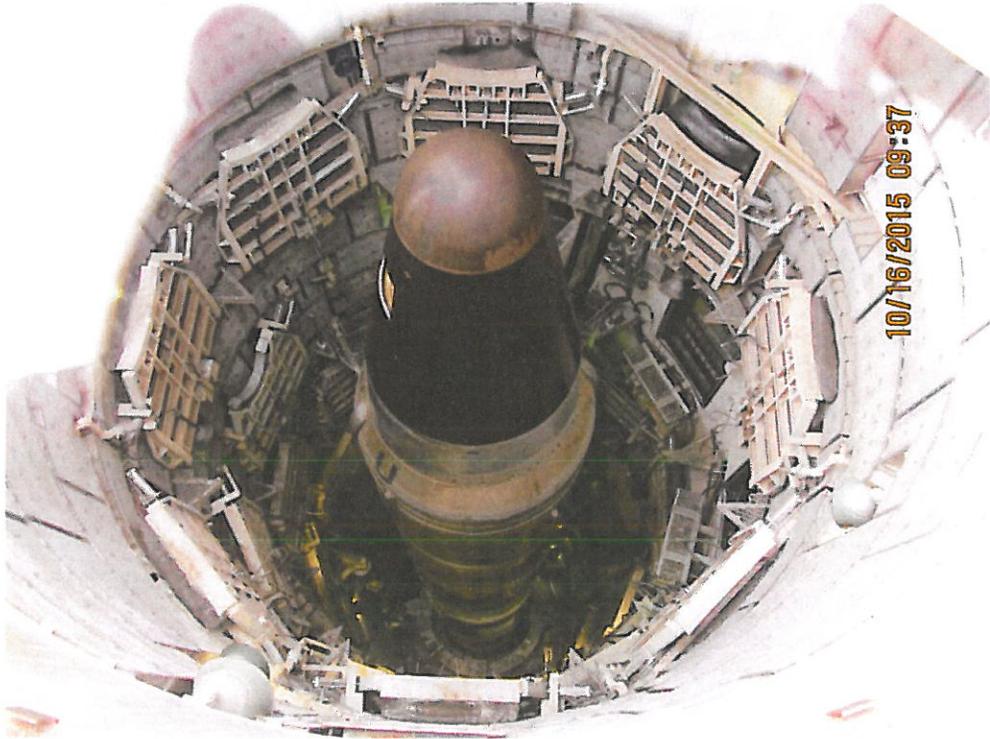


Photo 11, Site Photo #10, Looking Down Into Silo, 10/16/2015



Photo 12, Site Photo #11, Looking Up from level 5, 10/16/2015



Photo 13, Site Photo #12, 2,500 Gallon Fuel Storage Tank on Level 5, 10/16/2015



Photo 14, Site Photo #13, Launch Control Facility, 10/16/2015

**APPENDIX D**

**REFERENCES**

## LIST OF DOCUMENTS/DATA SOURCES REVIEWED

*Air Quality.* (2015). Retrieved October 29, 2015, from Arizona Department of Environmental Quality eMaps: <http://gisweb.azdeq.gov/arcgis/emaps/?topic=places>

*Climate in Tucson, Arizona.* (2014). Retrieved July 8, 2015, from Sperling's Best Places: <http://www.bestplaces.net/climate/city/arizona/tucson>

*Communitywater.com.* (2015). Retrieved October 29, 2015, from Community Water Company of Green Valley: <http://communitywater.com/>

*GeoCommunicator.* (2014). Retrieved July 23, 2014, from DOI - BLM Public Land Survey System (PLSS) Data: [http://www.geocommunicator.gov/GeoComm/lis\\_home/home/](http://www.geocommunicator.gov/GeoComm/lis_home/home/)

*Google Maps.* (2015). Retrieved September 8, 2015, from Maps.google.com: <https://maps.google.com/>

*Public Land Survey System Search.* (2008). Retrieved October 6, 2015, from Pima County Assessor's Office: [http://www.asr.pima.gov/links/frm\\_AdvancedSearch\\_v2.aspx](http://www.asr.pima.gov/links/frm_AdvancedSearch_v2.aspx)

*Soil Surveys.* (2015). Retrieved September 14, 2015, from USDA Natural Resources Conservation Service Arizona: <http://www.nrcs.usda.gov/wps/portal/nrcs/main/az/soils/surveys/>

*US Topo Quadrangles - Maps for America.* (2015, March 5). Retrieved September 1, 2015, from USGS The National Map US Topo: <http://nationalmap.gov/ustopo/index.html>

*Waste Programs.* (2015). Retrieved October 29, 2015, from Arizona Department of Environmental Quality eMaps: <http://gisweb.azdeq.gov/arcgis/emaps/?topic=places>

*Water Quality.* (2015). Retrieved October 29, 2015, from Arizona Department of Environmental Quality eMaps: <http://gisweb.azdeq.gov/arcgis/emaps/?topic=places>

**APPENDIX E**  
**INTERVIEWS**

## **Appendix E: Interviews**

### **355<sup>th</sup> Civil Engineer Squadron (355 CES)**

#### **Natural Resources Management, Water/Environmental Restoration Program Management (355 CES/CEIE), Date 5 Nov 2015**

Mr. John R. Maisch, 520-228-4774

1. Are you aware of any groundwater contamination on the subject property? No
2. Are there any monitoring wells on or near the subject property? No

#### **Natural Resources Management, Natural Resources and Archeological/Historical/Cultural Resources (355 CES/CEIE), Date 14 September 2015**

Mr. Kevin Wakefield, 520-228-4035

1. Are you aware of any threatened or endangered species on the subject property?

None have been found on this property.

2. Are you aware of any cultural resources on the subject property?

The Titan Missile Complex is listed on the National Register of Historic Landmarks.

#### **Natural Resources Management, Air Program Management (355 CES/CEIE), Date 5 Nov 2015**

Mrs. Leah Proffitt, 520-228-4885

1. Are you aware of any air program issues with the subject property? No.
2. Are you aware if the area is monitored by the Air Force or Pima County? No.

**Real Property Officer (355 CES/CEIA), Date 5 Nov 2015**

Ms. Sheri McNamara, 520-228-2305

1. What Real Property Instrument will be used for this transaction (license, lease, permit, etc.)?

Lease

2. What is the length of time for the Real Property Instrument (i.e., 25 years)? NTE 5 Years – 31 March 2021

What are the descriptions for the subject properties (Township and Range)? The Titan Missile Site Number 571-7 is that portion of the Southeast one-quarter of Section 34, Township 16 South, Range 13 East, Gila and Salt River Meridian, Pima County, Arizona. The listed boundary includes the entire 3.3 acres of the original 571-7 site enclosed by the security fence.

**Legal Description**

Tract Number S-8-100

All that tract or parcel of land, lying and being that portion of the Southeast one-quarter of Section 34, Township 17 South, Range 13 East, Gila and Salt River Meridian, in the County of Pima, State of Arizona, described as follows, basis of bearings being Transverse Mercator Grid, Central Zone, Arizona:

Commencing at the Southeast corner of said section; thence North 33 55' 50" West 1910.16 feet to the POINT OF BEGINNING; thence south of 600.00 feet; thence East 60.00 feet; thence South 300.00 feet; thence West 250.00 feet; thence North 300.00 feet; thence West 410.00 feet; thence North 600.00 feet; thence East 600.00 feet to the POINT OF BEGINNING.

Containing 9.99 acres, more or less.

Together with all improvements thereon and appurtenances thereunto belonging, including the rights and obligations under a perpetual and assignable easement and right of way to operate, maintain, and repair an access road and overhead and/or underground utility lines in, upon, over and across Tract Number S-8-100-E-1, as more fully described below on this exhibit, together with the right to trim, cut, fell and remove therefrom all trees, underbrush, obstructions, and any other vegetation, structures, or obstacles within the limits of the right of way; reserving, however, to the landowners, their heirs, executors, administrators, successors and assigns, the right to cross over said tract, including the movement of machinery, equipment and livestock, to their adjoining land; the above estate is

taken subject, however to existing easements for public roads and highways, public utilities, railroads and pipelines.

Tract Number S-8-100-E-1

That portion of the Southeast one-quarter of Section 34, Township 17 South, Range 13 East, Gila and Salt River Meridian, in the County of Pima, State of Arizona within a strip of land, 150.00 feet wide, lying 75.00 feet on each side of the following described center line, basis of bearings being Transverse Mercator Grid, Central Zone, Arizona:

Commencing at the Southeast corner of said section, thence North 33 55' 50'' West 1910.16 feet; thence South 600.00 feet; thence West 240.00 feet to the TRUE POINT OF BEGINNING; thence South 409.85 feet to the beginning of a tangent curve concave Northeasterly and having a radius of 200.00 feet; thence Southeasterly along said curve through a central angle of 75 30' 0'', a distance of 263.54 feet thence South 75 30' 00'' East 636.98 feet to the beginning of a tangent curve concave Southwesterly and having a radius of 225.00 feet; thence Southeasterly along said curve through a central angle of 63 33' 56'', a distance of 249.62 feet; thence South 11 56' 04'' East 18.56 feet to the POINT OF ENDING in the center line of the 150.00 foot wide right of way of a County Road, known as Duval Mine Road, said point being in a curve in the center line of said Duval Mine Road, concave Southeasterly and having a central angle of 38 44' 36'', a radius of 1909.86 feet and an arc length of 1291.44 feet, a radial line of said curve to said point bears North 11 56' 04'' West.

EXCEPTING from said strip of land that portion lying within said County Road right of way.

ALSO EXCEPTING from said strip of land East 25 feet of the most Northerly 300 feet thereof.

Containing 5.00 acres, more or less, all of which is within Tract Number S-8-100-E-11.

3. How long has the federal government held title to the subject property? Acquired between 1950-1960 – Public Domain, Executive Order.
4. Are you aware of any prior uses of the subject property? No.
5. Are there any other issues you would like to discuss? No.
6. Who is the building manager/POC? Cindy Brainer is the branch manager; her phone number is (520) 917-8920.

**Director Titan Missile Museum, Date 16 Oct 2015**

Ms. Yvonne C. Morris, 520-625-4598

During the site visit Ms. Morris was interviewed, here are the question and answers from the interview.

1. Are there any fuel storage tanks on the property? Yes, there is one above ground storage tank; it was part of the missile fueling system. The tank is mounted on a semi-flatbed trailer; the tank was drained and purged by the Air Force before being brought to the site. There are four underground storage tanks located on the site, three are inside the silo complex and one is buried near the surface. There is a 55 gallon diesel fuel storage tank on level 3 next to the silo generator. There is a 2,500 gallon storage tank on level 5 that was used to supply the 55 gallon tank on level 3. There is a 8,000 gallon fuel tank near the surface that also was used to provide fuel to the silo generator. All the tanks were drained and purged by the Air Force as part of the deactivation process.
2. Are there any underground water storage tanks in the silo complex? Yes, there is a 100,000 gallon water storage tank. It was used to cool the silo in case of a launch. It was drained and purged as well during the deactivation of the site.
3. Where does the site get its drinking water? The site receives its water from the Community Water Company of Green Valley. A copy of the 2014 Water Quality Report is attached in Appendix B, Figure 8.
4. Is the site connected to a sewer system? No, the site uses a septic system with leach field. We have never had any issues with the system and have it serviced on a regular basis.

**Environmental Services Office, Pima County Finance and Risk Management, 16 Oct 2015**

Mr. Jim Fass, 520-724-3078

1. Mr. Fass are you aware of any environmental issues here at the museum? No, I have been working with the museum staff for over 10 years, during the time we have identified no issues. We have tested several sites for asbestos, the results were negative. However, we do suspect that the gasket material used in the pipe systems may contain asbestos. We recommend that they be left undisturbed in place, to reduce the risk of possible exposure.
2. Are there any other issues you would like to discuss? No.