



## **CONTACT INFORMATION**

Mining Records Curator  
Arizona Geological Survey  
1520 West Adams St.  
Phoenix, AZ 85007  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

The following file is part of the

Arizona Department of Mines and Mineral Resources Mining Collection

## **ACCESS STATEMENT**

These digitized collections are accessible for purposes of education and research. We have indicated what we know about copyright and rights of privacy, publicity, or trademark. Due to the nature of archival collections, we are not always able to identify this information. We are eager to hear from any rights owners, so that we may obtain accurate information. Upon request, we will remove material from public view while we address a rights issue.

## **CONSTRAINTS STATEMENT**

The Arizona Geological Survey does not claim to control all rights for all materials in its collection. These rights include, but are not limited to: copyright, privacy rights, and cultural protection rights. The User hereby assumes all responsibility for obtaining any rights to use the material in excess of "fair use."

The Survey makes no intellectual property claims to the products created by individual authors in the manuscript collections, except when the author deeded those rights to the Survey or when those authors were employed by the State of Arizona and created intellectual products as a function of their official duties. The Survey does maintain property rights to the physical and digital representations of the works.

## **QUALITY STATEMENT**

The Arizona Geological Survey is not responsible for the accuracy of the records, information, or opinions that may be contained in the files. The Survey collects, catalogs, and archives data on mineral properties regardless of its views of the veracity or accuracy of those data.

PRINTED: 02-01-2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: WILBUR CANYON CLAY

ALTERNATE NAMES:

HUMAN VALUES CLAIMS

AHIMSA

DHARMA

SATHYA

SHANTI

PREMA

YAVAPAI COUNTY MILS NUMBER: 1384

LOCATION: TOWNSHIP 15 N RANGE 3 E SECTION 25 QUARTER SE  
LATITUDE: N 34DEG 39MIN 48SEC LONGITUDE: W 111DEG 58MIN 28SEC  
TOPO MAP NAME: CORNVILLE - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:

CLAY WHITE

CLAY BENTONITE

BIBLIOGRAPHY:

ADMMR WILBUR CANYON CLAY FILE

ADMMR SAMPLE A28306

08/01/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: WILBUR CANYON CLAY

ALTERNATE NAMES:

YAVAPAI COUNTY MILS NUMBER: 1384

LOCATION: TOWNSHIP 15 N RANGE 3 E SECTION 25 QUARTER SE  
LATITUDE: N 34DEG 39MIN 48SEC LONGITUDE: W 111DEG 58MIN 28SEC  
TOPO MAP NAME: CORNVILLE - 7.5 MIN

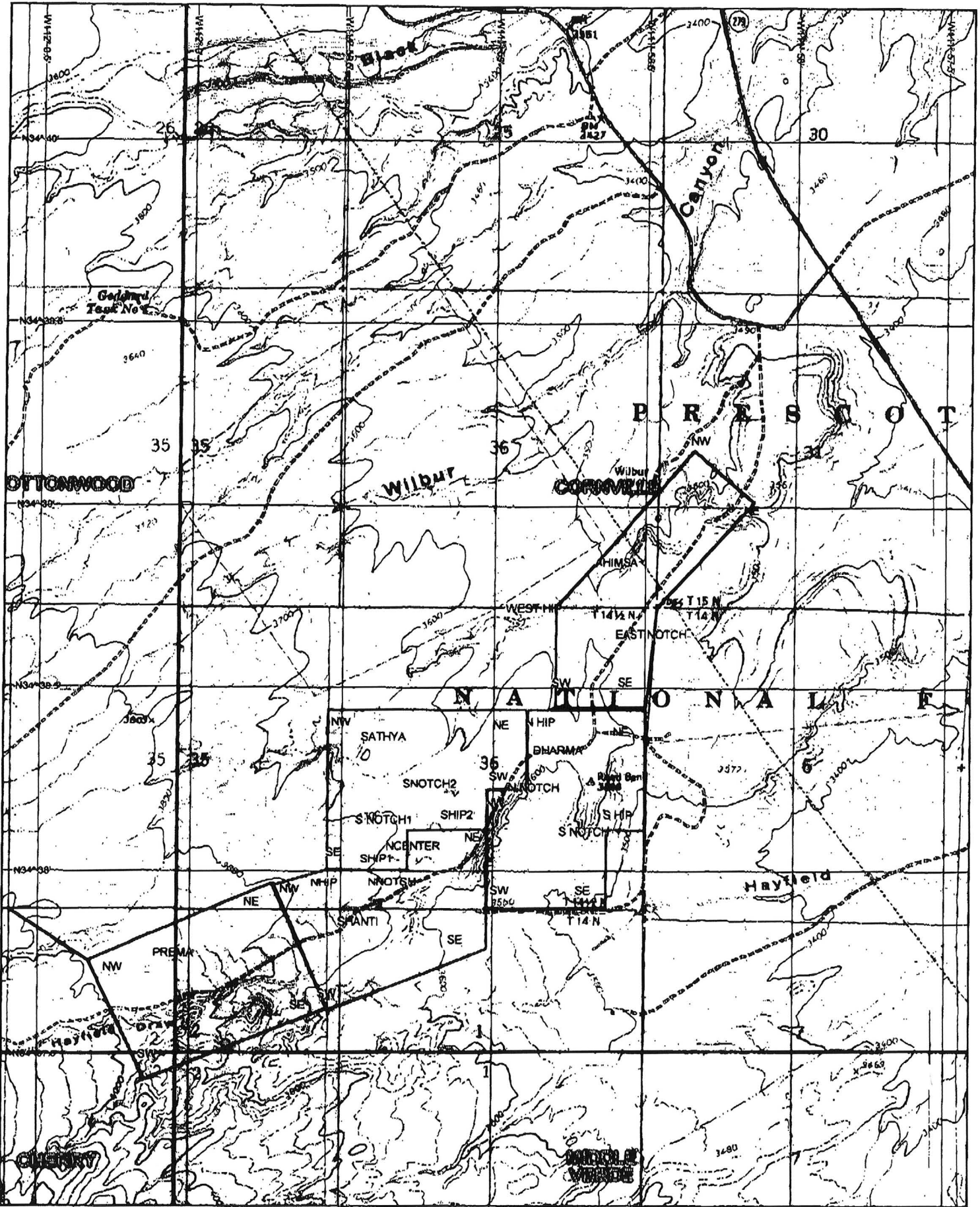
CURRENT STATUS: RAW PROSPECT

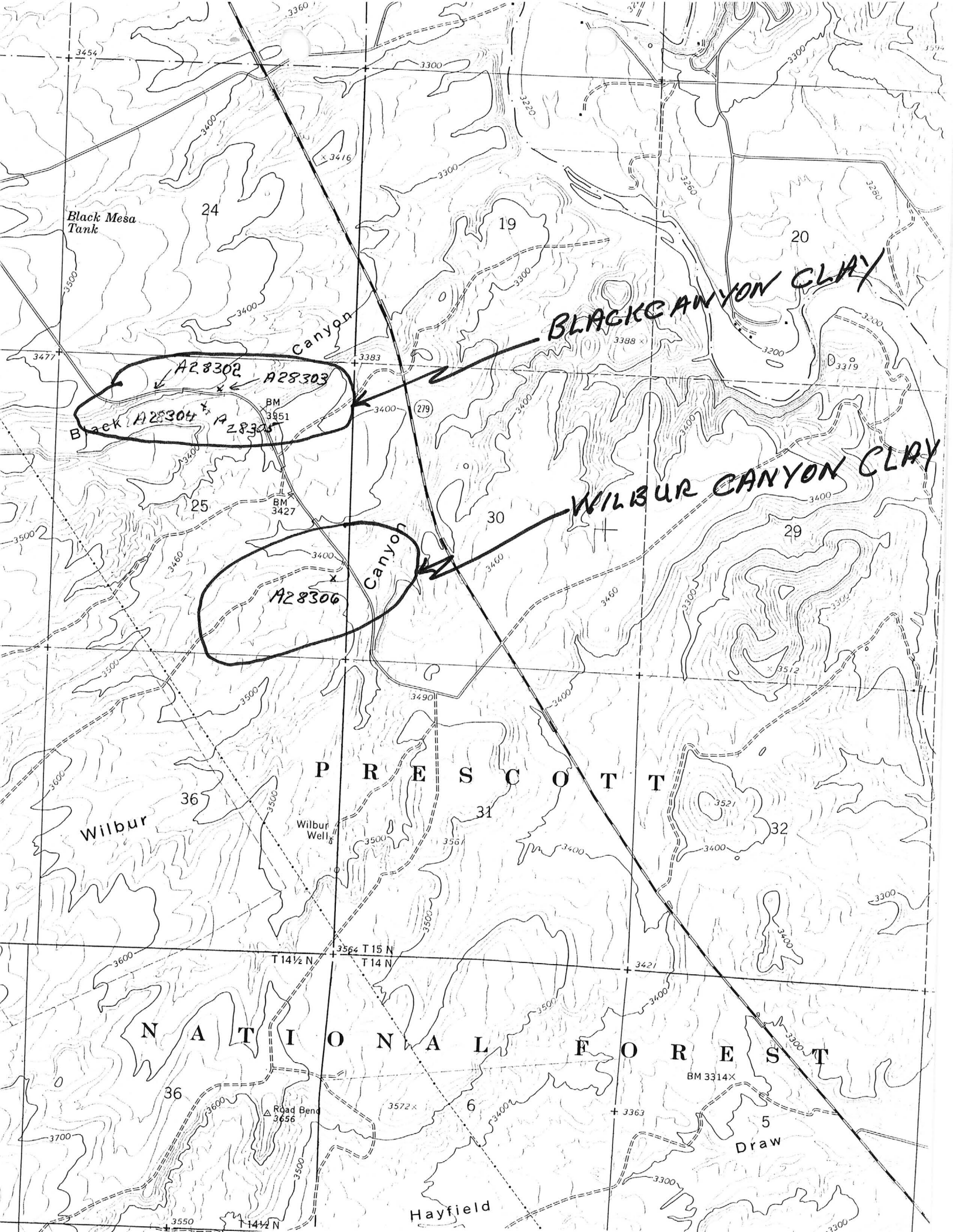
COMMODITY:

CLAY WHITE

BIBLIOGRAPHY:

ADMMR WILBUR CANYON CLAY FILE  
ADMMR SAMPLE A28306





Black Mesa Tank

24

19

20

Canyon

BLACK CANYON CLAY

A28302

A28303

Black A28304

BM 3351

A28304

BM 3427

25

30

WILBUR CANYON CLAY

A28306

Canyon

29

P R E S C O T T

36

31

Wilbur

Wilbur Well

32

T 14 1/2 N T 15 N T 14 N

N A T I O N A L F O R E S T

36

6

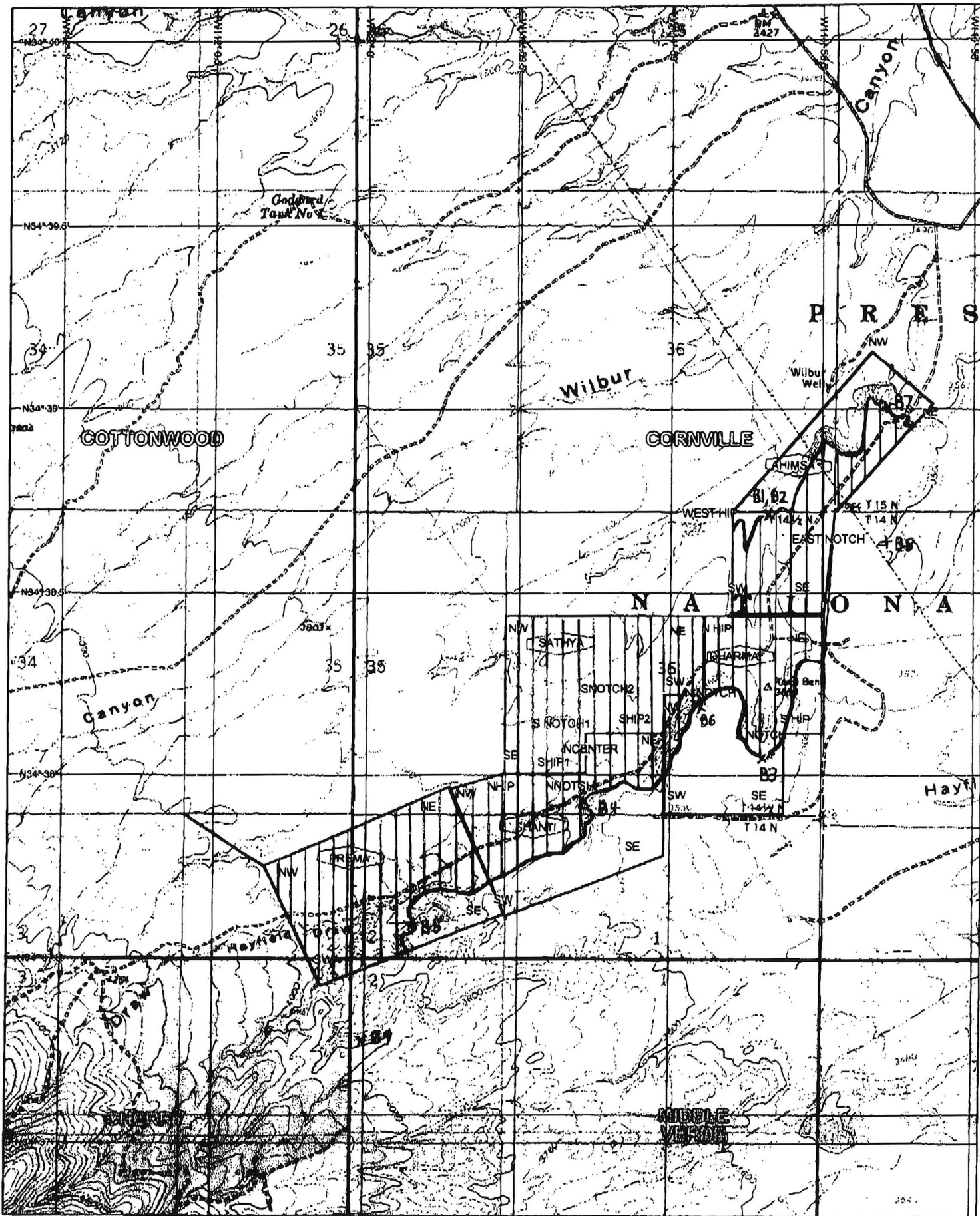
BM 3314 X

5 Draw

Road Bend 3656

Hayfield

Figure 1. Lenses and Clay Stratum Distribution



## WILBUR CANYON CLAY

## YAVAPAI COUNTY

(1/28/2002 *Ken A. Phillips*) Peggi Sue Bollmann, 446 Desert Poppy, Sedona Arizona 86336, phone 928-204-1631 reported she and a group of partners have 5 association placer claims on a bentonite occurrence in parts of Sec. 31, T15N,R4E, Sec. 36, T15N,R3E, Sec. 36, T14.5N, R3E and Secs. 1 & 2, T14N, R3E. They call the claim group the Human Values Claims. The claims are contiguous even though the townships are numbered strangely because township 14.5 north has only 6 sections, 31 through 36. She and her partners hired Michael R. Smith, P.G. to complete a preliminary report on the claims. His report specifies a calculated inferred resource of 52,000,000 tons of bentonite and he recommends detailed sampling, testing, and identification of the clay minerals. Ms. Bollmann explained that she is search for testing laboratories and financially able partner that will front some monies for testing and market evaluation. A copy of the summary portion of Michael Smith's report was provided but she left out Fig. 1 for fear of divulging possible extensions of the clay resource beyond her claim boundaries.

Department of Mines and Mineral Resources  
MINE AND PROSPECT FIELD VISIT DATA SUMMARY

Sheet 1 of 2

COMMODITIES: Clay - White

MILS ID No.: DATE: Dec. 13, 1989

ENGINEER: Ken A. Phillips

INFORMATION FROM: Fieldvisit in the company of Sharon Bolling, Florida Tile

PROPERTY SUMMARY

I. MINE NAME: Wilbur Canyon Clay

II. LOCATION: T 15 N R 3E SEC(S): SE 1/4, Sec 25 MINE DISTRICT

ELEV.: 3400 COUNTY Yavapai TOPO QUAD Cornville 7 1/2

DIRECTIONS:

W 111 degrees 58' 28"  
N 34 degrees 39' 48"

MAP ATTACHED Yes

III. OWNERSHIP: Not determined as part of visit

IV. PROPERTY AND HOLDINGS: Not determined

V. PAST PRODUCTION-NOTED, KNOWN, PROBABLE, UNKNOWN, NONE: None

VI. CURRENT STATUS: Raw Prospect

VII. WORKINGS: None

VIII GEOLOGY AND MINERALOGY: DEPOSIT TYPE: Sedimentary

LENGTH: +1000' WIDTH 20' VEIN STRIKE DIP

HOST ROCK: Verde Valley Formation

ECONOMIC MINERALS: Possible white burning clay.



Sheet 2 of 2

**COMMENTS:** An extensive thick section of which gritty clay (?).  
Has textural characteristics similar to diatomite.  
Material is clean and justifies purification.

**IX. EQUIPMENT ON SIGHT:** None

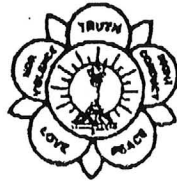
**X. SAMPLING: NOTE TYPE IF ANY, DRILLING?** A single sample ADMMR A28306 was taken across about 8' section of the exposure in the north wall of Wilbur Canyon 200' southwest of the county road crossing.

**XI. REFERENCES AND REMARKS:** Sharon Bolling of Florida Tile, Lakeland, Florida will have sample tested for use in ceramic tile.

THE SARVA DHARMA CLAIMS

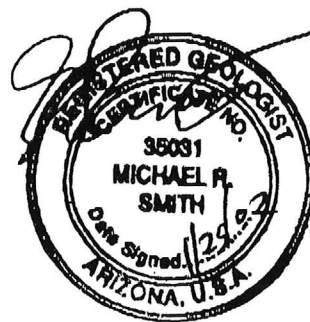
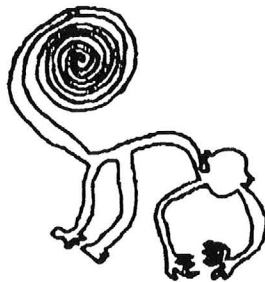
*Yavapai Co. (F)*  
*Yavapai Co.*

**Preliminary Geological Investigation  
of  
The Inferred Clay Resource  
on the  
AHIMSA, DHARMA, SATHYA, SHANTI and PREMA  
Claims**



by

**MICHAEL R. SMITH, R.G.**



**NAZCA ENGINEERING, P.C.  
P.O. BOX 2273  
WICKENBURG, ARIZONA  
85358  
TELEPHONE: (928) 684-1411  
NAZCA@PRIMENET.COM**

**January 25, 2002**

Attn Ken Phillips

Re. Human Values Claims, Yavapai County

### Introduction

Nazca Engineering, P.C. (Nazca) was contracted by Ms. Peggi Bollmann to conduct a preliminary geological investigation of a clay deposit located near Cottonwood, Arizona. The site was visited by Mr. Michael R. Smith, R.G. on January 20, 2002. Ms. Bollmann has provided a base map (Figure 1) that shows the location of five association placer mining claims, which have been located on U.S. Forest Service land. The claims are the AHIMSA, DHARMA, SATHYA, SHANTI and the PREMA. The objective of the visit was to assess the magnitude of the clay resource, which was observed in outcrop at nine locations, labeled B1 through B9 (see Figure 1).

### Geology

At each visited outcrop, a clay stratum of probable lacustrine origin was observed. The outcrops are easily discernible from a distance, as they are light colored, ranging from pure white to green to red-brown. A maximum thickness of the stratum appears to be about 20 m, of which the upper 10 m are clay of apparent high purity (minor gritty texture when chewed) and are the focus of this report. The lower 10 m is more gritty and locally well indurated, with some chert and possibly zeolite. The lacustrine stratum strikes northwesterly and dips to the northeasterly at about 1 degree. The lithology under the clay stratum was not observed. The clay stratum is overlain by unlithified colluvium (sand, gravel and cobbles).

The upper approximately 2 m of the clay beds are white and appear to be bentonite. A sample of this material (B2) was collected for laboratory analysis, to determine speciation and purity. The underlying 6 m are a mixture of green, reddish and locally white clay. Sample B1 is of the greenish clay. The bottom 2 m are dominantly white clay and was not sampled. It is presumed that the clay is montmorillonite and that it is altered volcanic ash (glass), inferring that it is bentonite. This preliminary identification will need to be confirmed by XRD analysis.

### Resource Estimate

It appears that the clay stratum is continuous and underlies the majority of the claims. The areas where the clay stratum are likely to be present are indicated by the cross-hatched area in Figure 1. Based on the inferred aerial distribution of the stratum and multiplying by the inferred thickness of 10 m and multiplying by the specific gravity of montmorillonite (2.5), an inferred resource has been calculated (Table 1). The aerial distribution was measured on Figure 1 with a planimeter. The inferred resource on all of the claims is about 52,000,000 tonnes. The inferred resource can be upgraded to a mineral resource only after geological mapping, trenching or drilling, sampling and analytical work.

### Conclusion

An inferred resource of 52,000,000 tonnes of clay exist on the five claims, the AHIMSA, DHARMA, SATHYA, SHANTI and the PREMA. The overburden ranges from a few meters to about 25 m. The overburden itself may be a significant resource of sand and gravel.

MRS - Human Values Claims  
Page 1 of 7

**Table 1**

| Claim Name | Area Underlain by Clay Stratum | Thickness | Specific Gravity | Tonnes     |
|------------|--------------------------------|-----------|------------------|------------|
| AHIMSA     | 338,167 m $\diamond$           | 10 m      | 2.5              | 8,500,000  |
| DHARMA     | 282,425 m $\diamond$           | 10 m      | 2.5              | 7,100,000  |
| SATHYA     | 587,147 m $\diamond$           | 10 m      | 2.5              | 15,000,000 |
| SHANTI     | 327,019 m $\diamond$           | 10 m      | 2.5              | 8,200,000  |
| PREMA      | 523,973 m $\diamond$           | 10 m      | 2.5              | 13,000,000 |
|            |                                |           | Total            | 52,000,000 |



|   |  |       |
|---|--|-------|
| WHEN RECORDED PLEASE RETURN TO:<br>Peggi Sue Bollmann<br>446 Desert Poppy Dr.<br>Sedona, AZ 86336 | IN YAVAPAI COUNTY<br>ARIZONA<br>PLACE COUNTY SEAL HERE | FEES: |
|---|--|-------|

**AMENDMENT for ARIZONA MINING CLAIM & LOCATION MAP**  
**AMENDMENT FOR AMC 353217**

- AMENDMENTS HAVE BEEN MADE TO THE FOLLOWING:
  - NAME OF THE CLAIM Previous Name: BDC Group #3 Six-Star
  - LEGAL DESCRIPTION
  - DRAWING
  - POSITION OF DISCOVERY OR BOUNDARY MONUMENTS
  - CLAIMANT ADDRESS CHANGES
- PLACER  LODE  MILLSITE  TUNNEL SITE (CHECK ONLY ONE)
- THE NAME OF THE CLAIM IS: **THE SHANTI STAR** LOCN DATE: 01/01/2000
- THE NAME AND ADDRESS OF THE LOCATORS ARE:
  - Leonard Larsen 985 E. Mingus #523 / Cottonwood, AZ 86326 CHANGED
  - Lauri Dudley 334 Back-O-Beyond / Sedona, AZ 86336 CHANGED
  - Pat Upton Quit Claimed to Peggi Sue Bollmann
  - Peggi Sue Bollmann 446 Desert Poppy Dr. / Sedona AZ 86336 NEW
  - Gregory Larson 985 E. Mingus #523 / Cottonwood, AZ 8632 CHANGED
  - Sandy Bowen 95 Jasmine Ln. / Calistoga CA 94515 CHANGED
  - Laura Fripp 985 E. Mingus #523 / Cottonwood, AZ 86326 CHANGED
  - Laurine Kinney 985 E. Mingus #523 / Cottonwood, AZ 86326 CHANGED
  - Kali Akin 4 Chelsey Court / Henniker NH 03242 CHANGED
- THE CLAIM LOCATION IS IN **Yavapai COUNTY, ARIZONA**, PRESCOTT NATIONAL FOREST AREA. MERIDIAN **14** RANGE **R3E**.  
 TOWNSHIP **T 14 1/2 N** SECTIONS: **036 SW 1/4 AND 035 SE 1/4**  
 TOWNSHIP **T 14 N** SECTIONS: **01 NW 1/4 AND 02 NE 1/4**.
- DESCRIPTION OF THE REFERENCE POINT: USGS marker at the intersection of the SE corner of the SW 1/4 of section 36 of R3E T14 1/2N and the NE corner of the NW 1/4 of section 01 of R3E T14N.
- MONUMENT DESCRIPTION: Cement filled pipe located per drawing.
- Signature of Agent: Power of Attorney on Record for the Claimants

Peggi Sue Bollmann      12-27-2001  
 Peggi Sue Bollmann      Date

|  |   |
|--|---|
| <p>9. DESCRIPTION OF THE CLAIM: This is an irregular shaped claim of approximately 160 acres. The beginning point is located 660' on a bearing of 180° (south) to the SE corner of the claim. N34°37.786' W111°59.024'</p> <p>Proceed 2797.14' on a bearing 249° 29' to the SW corner. N34°37.624' W111°59.544'</p> <p>Proceed 2273.3' on a bearing 336° 54' to the NW corner. N34°37.961' W111°59.744'</p> <p>Proceed 928.6' on a bearing 73.3° to the North Hip corner. N34°38.009' W111°59.556'</p> <p>Proceed 1320' on a bearing 90° along the north edge of the S1/2, SW 1/4, SW 1/4 of R3E T 14 1/2 N section 036 to the North Notch corner. N34°38.009' W111°59.297'</p> <p>Proceed 660' on a bearing of 0° to the NW corner of SE 1/4, SW 1/4, of R3E T 14 1/2 N section 036 to the North center corner of the claim. N34°38.125' W111°58.297'</p> <p>Proceed 1320' on a bearing 90° along the north edge of SE 1/4, SW 1/4 of R3E T 14 1/2 N section 036 to the NE corner. N34°38.125' W111°58.499'</p> <p>Proceed 1320' on a bearing 180° back to the beginning point.</p> <p>DRAWING ON REVERSE SIDE: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO</p> | <p>BLM STAMP:</p> <p align="center">ARIZONA</p> <p align="center">JAN - 2 - 2002</p> <p align="center">BLM OFFICE</p> |
|--|---|

*MRS Heeman Volves Claims*  
*Page 4 of 7*

|   |  |       |
|---|--|-------|
| WHEN RECORDED PLEASE RETURN TO:<br>Peggi Sue Bollmann<br>446 Desert Poppy Dr.<br>Sedona, AZ 86336 | IN YAVAPAI COUNTY<br>ARIZONA<br>PLACE COUNTY SEAL HERE | FEES: |
|---|--|-------|

**ARIZONA MINING CLAIM & LOCATION MAP**

1.  PLACER     LODE     MILLSITE     TUNNEL SITE    (CHECK ONLY ONE)

2. THE NAME OF THE CLAIM IS: **THE DHARMA STAR**    LOCN DATE: 12/23/2001

3. THE NAME AND ADDRESS OF THE LOCATORS ARE:

1. Leonard Larsen 985 E. Mingus, #523 / Cottonwood, AZ 86326
2. Lauri Dudley 334 Back-O-Beyond Circle / Sedona, AZ 86336
3. Peggi Sue Bollmann 446 Desert Poppy Dr. / Sedona, AZ 86336
4. Wynona Wynn 418 Desert Poppy Dr. / Sedona, AZ 86336
5. Rosa Sanchez 985 E. Mingus, #523 / Cottonwood, AZ 86326
6. Donau Trust of Rita Galstaum 998 S. Tigress Tr. / Cottonwood, AZ 86336
7. Alan Hofwolt 338 Sunset St. / Longmont CO 80501
8. Dacoma Stevenson PO Box 3689 / Sedona AZ 86340

RECEIVED  
 BLM DISTRICT OFFICE  
 2001 JAN - 11:10  
 CANCELLED

4. THE CLAIM LOCATION IS IN **Yavapai** COUNTY, ARIZONA, PRESCOTT NATIONAL FOREST AREA. MERIDIAN 14 RANGE R3E. TOWNSHIP T 14 1/2 N SECTION: 036, SW 1/4 AND NE 1/4

5. DESCRIPTION OF THE REFERENCE POINT: USGS marker at the intersection of the SE corner of the SW 1/4 of section 36 of R3E T14 1/2N and the NE corner of the NW 1/4 of section 01 of R3E T14N.

6. MONUMENT DESCRIPTION: Cement filled pipe located per drawing.

8. Signature of Locator: Power of Attorney on Record for the Claimants

Peggi Sue Bollmann                      12-27-2001  
 Peggi Sue Bollmann                      Date

|  |  |
|--|--|
| <p>9. DESCRIPTION OF THE CLAIM: Irregular shaped 160 acre claim including the following areas:<br/>         SE 1/4 SW 1/4 NE 1/4<br/>         S 1/2 SE 1/4 NE 1/4<br/>         NE 1/4 SE 1/4<br/>         W 1/2 SE 1/4 SE 1/4<br/>         SW 1/4 SW 1/4<br/>         S 1/2 NW 1/4 SE 1/4<br/>         NE 1/4 NW 1/4 SE 1/4<br/>         Corner Monument Coordinates:<br/>         NE.....N34°38.444' W111°58.499'<br/>         NORTH HIP.....N34°38.444' W111°58.893'<br/>         NW.....N34°38.222' W111°59.019'<br/>         SW.....N34°37.896' W111°59.019'<br/>         SE.....N34°37.896' W111°58.629'<br/>         SOUTH NOTCH.. N34°38.118' W111°58.629'<br/>         SOUTH HIP..... N34°38.118' W111°58.499'<br/>         NORTH NOTCH.. N34°38.222' W111°58.893'<br/>         The reference point is the SW corner of the claim.</p> | <p>BLM STAMP:<br/><br/>         RECEIVED<br/>         BLM DISTRICT OFFICE<br/>         2001 JAN - 2 A 11:11<br/>         ARIZONA</p> |
| <p>DRAWING ON REVERSE SIDE: <input checked="" type="checkbox"/> YES    <input type="checkbox"/> NO</p>   |  |

AMC 355924

MRS Human Values Claims  
 Page 5 of 7

|   |  |      |
|---|--|------|
| WHEN RECORDED PLEASE RETURN TO:<br><br>Peggi Sue Bollmann<br>446 Desert Poppy Dr.<br>Sedona, AZ 86336 | IN YAVAPAI COUNTY<br>ARIZONA<br>PLACE COUNTY SEAL HERE | FEE: |
|---|--|------|

### ARIZONA MINING CLAIM & LOCATION MAP

1.  PLACER     LODE     MILLSITE     TUNNEL SITE    (CHECK ONLY ONE)

2. THE NAME OF THE CLAIM IS: **THE AHIMSA STAR**    LOCN DATE: **01/12/02**

3. THE NAME AND ADDRESS OF THE LOCATORS ARE:

1. Leonard Larsen 985 E. Mingus, #523 / Cottonwood, AZ 86326
2. Greg Larson 985 E. Mingus, #523 / Cottonwood, AZ 86326
3. Laura Fripp 985 E. Mingus, #523 / Cottonwood, AZ 86326
4. Peggi Sue Bollmann 446 Desert Poppy Dr./ Sedona, AZ 86336
5. Tory Michael Cross 1218 Rhode Island #8 San Francisco CA 94105
6. Ryan Joseph Cross 446 Desert Poppy Dr./ Sedona, AZ 86336
7. Mark Daniel Cross 446 Desert Poppy Dr./ Sedona, AZ 86336
8. Dacoma Stevenson PO Box 3689 / Sedona AZ 86340

RECEIVED  
BLM DISTRICT OFFICE  
2002 JAN 15 A 8 44  
ARIZONA

4. THE CLAIM LOCATION IS IN **Yavapai** COUNTY, ARIZONA, PRESCOTT NATIONAL FOREST AREA. MERIDIAN 14 RANGE R3E.  
TOWNSHIP T 14 1/2 N SECTION: 036, NE 1/4 // TOWNSHIP T 14 N SECTION: 06, NW 1/4  
TOWNSHIP T ~~14~~<sup>15</sup> N SECTION: 036, SE 1/4 // TOWNSHIP T 15 N SECTION: 031, SW 1/4

5. DESCRIPTION OF THE REFERENCE POINT: USGS marker at the SW corner of section 06 of R3E, T14N.

6. MONUMENT DESCRIPTION: Capped pipe located per drawing.

7. Signature of Locator: Power of Attorney on Record for the Claimants

Peggi Sue Bollmann                      01/12/2002  
Peggi Sue Bollmann                      Date

|   |            |
|---|------------|
| DESCRIPTION OF THE CLAIM: Irregular shaped 160 acre claim:<br>The Reference point is the East Notch of the Claim.<br>Proceed 42.1°, 2405.95' to the NE Corner,<br>Proceed 310°, 1250' to the NW Corner. Proceed 221°, 3500' to the West<br>Hip Corner. Proceed 180°, 1665' to the SW Corner. Proceed 90°, 1535'<br>to the SE Corner. Proceed 5.9°, 1668.8' back to the beginning point.<br>Corner Monument Coordinates:<br>NE.....N34°39.024' W111°58.148'<br>NW.....N34°39.158' W111°58.345'<br>SW.....N34°38.450' W111°58.805'<br>SE.....N34°38.442' W111°58.492'<br>WEST HIP..... N34°38.726' W111°58.805'<br>EASTNOTCH.. N34°38.723' W111°58.470' | BLM STAMP: |
| DRAWING ON REVERSE SIDE: <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO  |            |

AMC 355940

*MRS Heeman Values Claims*  
*Page 6 of 7*