



## **CONTACT INFORMATION**

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Arizona Department of Mines and Mineral Resources Mining Collection

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PRINTED: 10/20/2003

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: ANDERSON MINE

ALTERNATE NAMES:

MINERALS EXPLORATION  
URANIUM AIRE  
DATE CREEK URANIUM PROJECT

YAVAPAI COUNTY MILS NUMBER: 10

LOCATION: TOWNSHIP 11 N RANGE 10 W SECTION 11 QUARTER SW  
LATITUDE: N 34DEG 18MIN 29SEC LONGITUDE: W 113DEG 16MIN 29SEC  
TOPO MAP NAME: ARRASTRA MTN SE - 7.5 MIN

CURRENT STATUS: DEVEL DEPOSIT

COMMODITY:

URANIUM  
GEMSTONE PETRIFIED WD

BIBLIOGRAPHY:

USGS ARRASTRA MTN SE QUAD  
ADMMR ANDERSON MINE FILE  
AGS FIELD TRIP GUIDE, 1978 (COPY IN FILE)  
AEC PRELIM RECON REPT YAVAPAI CO. P. 74  
ECONOMIC GEOLOGY, 1983, VOL. 78, PP. 275-292,  
BY A. MUELLER, & P. HALBACH  
MOLYCORP EXP. FILE DATA 10 BOXES RCVD IN 2003

**CONCENTRIC  
ENERGY  
CORP.**

**A NEW FORCE IN THE  
URANIUM MARKET**

5751 Mary Ave.  
Harrison, ID 83833

**THOMAS F. FUDGE, Jr., P.E.**  
PRESIDENT & COO

[www.concentricenergy.com](http://www.concentricenergy.com)  
[tfudge@concentricenergy.com](mailto:tfudge@concentricenergy.com)

208-755-2836 office

Concentric Energy is re-opening the historic Anderson Mine in Yavapai Cty., Arizona. A third party resource study (08/26/05) lists the following resources from 1700 drill holes:

- @ 0.05% cutoff - 13 M tons of 0.106%  $U_3O_8$  or 26.7 Mlbs.
- @ 0.02% cutoff - 52 M tons of 0.049%  $U_3O_8$  or 49.9 Mlbs.
- @ 0.01% cutoff - 137 M tons of 0.027%  $U_3O_8$  or 73.1 Mlbs.

The resource study also indicates that for every pound of  $U_3O_8$  there is approximately 1.8 pounds of  $V_2O_5$  (vanadium).

The Anderson Mine is a lake bed deposit that appears to have 20 Mlbs of open pit mine-able  $U_3O_8$  prior to underground mining.

**The Anderson Mine is advancing towards production.**

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA

MM 1470 Carnotite

1536 Uranium Ore

YAVAPAI COUNTY

1537 Thomasite

URANIUM AIRE MINE

MILS #10

3-AK22

Anderson mine. full



ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

INFORMATION FROM MINE CARDS IN MUSEUM

YAVAPAI COUNTY

Anderson Mine

Sec 9,10,11 Twp 11N Range 10W

MILS #10

3-AKA's

Anderson Mine file

MM-3144 Weeksite

1192 Beryl

1191 Columbite

630 Weeksite

521 Samarskite

in Perthite

MM-651 Opalite & Carnotite

MM-652 Carnotite

MM-653 Weeksite

MM-654 Weeksite

MM-408 Carnotite

MM6268 Carnotite on silicified  
vegetation

7880 Quartz var. agate, feather

7892 " " " "  
MM N 399 Palmwood



**Arizona Department of Mines and Mineral Resources**

1502 West Washington, Phoenix, AZ 85007 Phone (602) 255-3795  
1-800-446-4259 in Arizona FAX (602) 255-3777 [www.admmr.state.az.us](http://www.admmr.state.az.us)

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Information Summary

Date: February, 2002

Engineer: Nyal Niemuth

Mine: Anderson Mine File, Yavapai

Clark Arnold, consulting geologist reported to ADMMR that while working at a project for Molycorp Inc. that they have data consisting of about 35 boxes of exploration data related to the work Union Oil did at the Anderson Uranium Deposit.

At Mr. Arnolds suggestion I contacted Molycorp and provided background data on ADMMR and have offered to preserve the data in our archives. No decision to donate the records has been made as of this time.

Geoffrey Nason, Environmental Engineer  
Molycorp Inc. Lanthanide Group  
67750 Bailey Road, Box 124,  
Mountain Pass Ca. 92366  
Phone: 760-856-7664, fx 760-856-2253.

UPDATE - DATA ACQUIRED IN AUGUST OF 2003 - NTP.  
DATA WAS REDUCED TO - SEE ATTACHED CATALOGUE

## Molycorp collection draft catalogue.

*NOW known as Anderson Mine Collection*

Molycorp donated its files on the Anderson Mine, Yavapai Co. to the Dept. in 2003. The following table summarizes the contents of the geological and engineering files containing exploration drilling, feasibility, metallurgical extractive work, etc.

This listing needs who performed the work and when added for the various reports . NJN

AM = Anderson Mine

Box	Folder	Comments
3	AM GEOCHEM STUDIES	
3	AM MINERAL ID AND GENERAL GEOCHEM FOR AM PAPER	
3	AM GENERAL ACCOUNTING SHEET	
3	MAPS MXU 76-2 AM	
3	TMC-TMI STRUCTURE CONTOURS OF AM	
3	ISOPATCH OF BASALT TMB ANDERSON MINE	
3	CROSS SECTION INDEX AM A, B, C, D 300, 400, 500 AND 600 SERIES	
3	GEOLOGY AND URANIUM RESOURCES OF AM PROJECT	DATED JUNE 1976
3	GEOLOGY GEOCHEMISTRY AND GEOPHYSICS 2.4.2	
3	DATE CREEK PROJECT PRELIMINARY EVALUATION FOR PROSPECTIVE OPEN PIT AREAS	URANGESELLSCHAFT USA INC. DATED 8-79
7	DRILLING AND SAMPLING LIST OF DRAWINGS	
7	ANDERSON MINE GETTY OIL COMPANY DRILLING	
7	DRILLING AND SAMPLING 3.3.3 BIDS AND CONTRACTS	
7	DRILLING AND SAMPLING 3.5 SAMPLING	
7	DRILLING AND SAMPLING 3.5.1 PROBING	
7	DRILLING AND SAMPLING 3.7 DRILL HOLE DATA	
7	DRILLING AND SAMPLING 3.7.1 HOLE SUMMARIES	
7	AM COORDINATES AND ELEVATIONS	
7	AM DRILL HOLE COORDINATES	
7	AM ROAD CROSS SECTION ORIGINAL	
7	DRILLING AND SAMPLING 3.6.1 DRILL HOLE COORDINATES	

Box	Folder	Comments
7	DRILLING AND SAMPLING 3.5.2 CORING	
7	DRILLING AND SAMPLING 3.5.3 BULK SAMPLES	
7	DRILLING AND SAMPLING 3.5.4 SAMPLE PREP AND ASSAY	
7	AM CONTRACTS BID SHEETS, WATER WELL PERMIT, ETC.	
7	AM COORDINATES ,ETC	
7	GETTY OIL AM COORDINATES ELEVATIONS	
7	AM-12	DRILL LOGS
7	AM-29	DRILL LOGS
7	AM-30	DRILL LOGS
7	AM-31	DRILL LOGS
7	AM-33	DRILL LOGS
7	AM-36	DRILL LOGS
7	AM-38	DRILL LOGS
7	AM-78	DRILL LOGS
7	AM-80	DRILL LOGS
7	AM-81	DRILL LOGS
7	AM-82	DRILL LOGS
7	AM-86	DRILL LOGS
7	AM-87	DRILL LOGS
7	AM-88	DRILL LOGS
7	AM-89	DRILL LOGS
7	AM-93	DRILL LOGS
7	AM-98	DRILL LOGS
7	AM-162	DRILL LOGS
7	AM-165	DRILL LOGS
7	AM-176	DRILL LOGS
7	AM-181	DRILL LOGS
7	AM-185	DRILL LOGS
7	AM-189	DRILL LOGS
7	AM-192	DRILL LOGS
7	AM-193	DRILL LOGS
7	AM-197	DRILL LOGS
7	AM-199	DRILL LOGS
7	AM-208	DRILL LOGS
7	AM-213	DRILL LOGS
7	AM-213	DRILL LOGS
7	AM-214	DRILL LOGS
7	AM-214	DRILL LOGS
7	AM-216	DRILL LOGS
7	AM-216	DRILL LOGS
7	AM-217	DRILL LOGS
7	AM-217	DRILL LOGS
7	AM-221	DRILL LOGS
7	AM-222	DRILL LOGS
7	AM-224	DRILL LOGS
7	AM-225	DRILL LOGS
7	AM-232	DRILL LOGS
7	AM-235	DRILL LOGS
7	AM-240	DRILL LOGS
7	AM-242	DRILL LOGS
12	PROGRESS REPORT NO 1 FEASIBILITY STUDY ANDERSON RANCH PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED OCTOBER 1977

Box	Folder	Comments
12	PROGRESS REPORT NO 2 PRELIMINARY FEASIBILITY STUDY ANDERSON RANCH PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED NOVEMBER 1977
12	PROGRESS REPORT NO 3 FINAL FEASIBILITY STUDY ANDERSON RANCH PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED MAY 1978 by Morrison Knudsen
12	UNION EXPLORATION CO. FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 1 by Morrison Knudsen
12	UNION EXPLORATION CO. FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 2 by Morrison Knudsen
12	UNION EXPLORATION CO. FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 3 by Morrison Knudsen
12	UNION EXPLORATION CO. FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 1 by Morrison Knudsen
12	ANDERSON MINE CHEMICAL DATA	SPECTROGRAPHIC ANALYSES, CORE ANALYSES, MEMOS, ETC.
12	GENERAL ARTICLES ON URANIUM	ANDERSON MINE NEWSPAPER CLIPPINGS, MEMOS, ETC.
12	5 MAPS OF CLAIMS	SURVEYED MAPS /PATENTED CLAIMS
17	ANDERSON MINE -PULP SAMPLES MASTER INDEX	
17	AM-1-10	DRILL LOGS
17	AM-11-20	DRILL LOGS
17	AM-21-30	DRILL LOGS
17	AM-31-40	DRILL LOGS
17	AM-41-50	DRILL LOGS
17	AM-51-60	DRILL LOGS
17	AM-61-70	DRILL LOGS
17	AM-71-80	DRILL LOGS
17	AM-81-90	DRILL LOGS
17	AM-91-100	DRILL LOGS
17	AM-101-110	DRILL LOGS
17	AM-111-120	DRILL LOGS
17	AM-121-130	DRILL LOGS
17	AM-131-140	DRILL LOGS
17	AM-141-150	DRILL LOGS
17	AM-151-160	DRILL LOGS
17	AM-161-170	DRILL LOGS
17	AM-171-180	DRILL LOGS
17	AM-181-190	DRILL LOGS
17	AM-191-200	DRILL LOGS
17	AM-201-210	DRILL LOGS
17	AM-211-220	DRILL LOGS
17	AM-221-230	DRILL LOGS
17	AM-231-240	DRILL LOGS
17	AM-241-250	DRILL LOGS
17	AM-251-260	DRILL LOGS
17	AM-261-270	DRILL LOGS

Box	Folder	Comments
17	AM-271-280	DRILL LOGS
17	AM-281-290	DRILL LOGS
17	AM-291-300	DRILL LOGS
17	AM-301-310	DRILL LOGS
17	AM-311-320	DRILL LOGS
17	AM-321-330	DRILL LOGS
17	AM-331-340	DRILL LOGS
17	AM-341-350	DRILL LOGS
17	AM-351-360	DRILL LOGS
17	AM-361-370	DRILL LOGS
17	AM-371-380	DRILL LOGS
18	AM-381-390	DRILL LOGS
18	AM-391-400	DRILL LOGS
18	AM-401-410	DRILL LOGS
18	AM-411-420	DRILL LOGS
18	AM-421-430	DRILL LOGS
18	AM-431-440	DRILL LOGS
18	AM-441-450	DRILL LOGS
18	AM-451-460	DRILL LOGS
18	AM-461-470	DRILL LOGS
18	AM-471-480	DRILL LOGS
18	AM-481-490	DRILL LOGS
18	AM-491-500	DRILL LOGS
18	AM-501-510	DRILL LOGS
18	AM-511-520	DRILL LOGS
18	AM-521-530	DRILL LOGS
18	AM-531-540	DRILL LOGS
18	AM-541-550	DRILL LOGS
18	AM-551-560	DRILL LOGS
18	AM-561-570	DRILL LOGS
18	AM-571-580	DRILL LOGS
18	AM-581-590	DRILL LOGS
18	AM-591-600	DRILL LOGS
18	AM-601-610	DRILL LOGS
18	AM-611-620	DRILL LOGS
18	AM-621-630	DRILL LOGS
18	AM-631-640	DRILL LOGS
18	AM-641-650	DRILL LOGS
18	AM-651-660	DRILL LOGS
18	AM-661-670	DRILL LOGS
18	AM-671-680	DRILL LOGS
18	AM-681-690	DRILL LOGS
18	AM-691-700	DRILL LOGS
19	DATE CREEK PROJECT ANALYTICAL RESULTS	FALL 1978 FOR URANGESELLSCHAFT USA INC. DENVER
19	DATE CREEK PROJECT CORE ANALYSIS FILE	URANGESELLSCHAFT USA INC.
19	MISC MAPS/ PICS HYDROGEOLOGY AM	REPORT WRITTEN IN 1979
19	TAILINGS 12.6.1.1 GEOLOGY	
19	GEOLOGY 2.2 GENERAL	
19	GEOLOGY 2.3 REGIONAL	
19	GEOLOGY 2.4 SITE SPECIFIC GEOLOGY AND URANIUM RESOURCES AM 1976 GEOLOGY REPORT 1977 MAPS INCLUDED	
19	DATE CREEK PROJECT	

Box	Folder	Comments
	HOLE BY HOLE LISTING 2' MINIMUM THICKNESS OPEN PIT RESERVE AREA	
19	ANDERSON URANIUM PROJECT ENVIRONMENTAL REPORT	1978 ENVIRONMENTAL REPORTS
19	MAJOR URANIUM DISCOVERY IN A FRONTIER AREA THE ANDERSON MINE	DATED MARCH 1978
19	TOPOGRAPHICAL PICTURES	
21	AM 861-870	DRILL LOGS
21	AM-871-880	DRILL LOGS
21	AM-881-890	DRILL LOGS
21	AM-891-900	DRILL LOGS
21	AM-901-910	DRILL LOGS
21	AM-911-920	DRILL LOGS
21	AM-921-930	DRILL LOGS
21	AM-931-940	DRILL LOGS
21	AM-941-950	DRILL LOGS
21	AM-951-960	DRILL LOGS
21	AM-961-970	DRILL LOGS
21	AM-971-980	DRILL LOGS
21	AM-981-990	DRILL LOGS
21	AM-991-1000	DRILL LOGS
21	AM-1001-1010	DRILL LOGS
21	AM-1011-1020	DRILL LOGS
21	AM-11-10-9--1-10	DRILL LOGS
21	AM-11-10-16—1-10	DRILL LOGS
21	AM-11-10-17—1-10	DRILL LOGS
21	AM-11-10-19—1-10	DRILL LOGS
21	AM-11-11-21—1-10	DRILL LOGS
21	AM-11-11-22—1-10	DRILL LOGS
21	AM-1C,1C,5,11,13	PORTABLE PROBE
21	WATER WELL	DRILL LOGS
21	AM-80-1	DRILL LOGS
21	AM-80-2	DRILL LOGS
21	AM-80-3	DRILL LOGS
21	AM-80-4	DRILL LOGS
21	AM-80-5	DRILL LOGS
21	AM-80-6	DRILL LOGS
21	AM-80-7	DRILL LOGS
21	AM-80-1-10	DRILL LOGS
21	AM-11-10-18 1-10	DRILL LOGS
21	WATER WELL	DRILL LOGS
21	AM-1-10	DRILL LOGS
21	AM-11-20	DRILL LOGS
21	AM-21-30	DRILL LOGS
21	AM-31-40	DRILL LOGS
21	AM-41-50	DRILL LOGS
21	AM-51-60	DRILL LOGS
21	AM-61-70	DRILL LOGS
21	AM-71-80	DRILL LOGS
21	AM-81-90	DRILL LOGS
21	AM-91-100	DRILL LOGS
21	AM-101-110	DRILL LOGS
21	AM-111-120	DRILL LOGS
21	AM-121-130	DRILL LOGS
21	AM-131-140	DRILL LOGS
21	AM-141-150	DRILL LOGS



Box	Folder	Comments
21	AM-151-160	DRILL LOGS
21	AM-161-170	DRILL LOGS
21	AM-171-180	DRILL LOGS
21	AM-181-190	DRILL LOGS
21	AM-191-200	DRILL LOGS
21	AM-201-210	DRILL LOGS
21	AM-211-220	DRILL LOGS
21	GETTY OIL	DRILL LOGS
21	AM-1-10	DRILL LOGS
21	AM-11-20	DRILL LOGS
21	AM-21-30	DRILL LOGS
21	AM-51-60	DRILL LOGS
21	AM-61-70	DRILL LOGS
21	AM-71-80	DRILL LOGS
21	AM-81-90	DRILL LOGS
21	AM-91-100	DRILL LOGS
21	AM-101-110	DRILL LOGS
21	AM-121-130	DRILL LOGS
21	AM-131-140	DRILL LOGS
21	AM-141-150	DRILL LOGS
21	AM-151-160	DRILL LOGS
21	AM-161-170	DRILL LOGS
21	AM-171-180	DRILL LOGS
21	AM-181-190	DRILL LOGS
21	AM-191-200	DRILL LOGS
21	AM-201-210	DRILL LOGS
21	AM-211-220	DRILL LOGS
21	GETTY OIL MISC	DRILL LOGS
21	ALKALINE LEACHING OF ANDERSON MINE SAMPLES	For MINERALS EXPLORATION COMPANY, BOX 54945 LOS ANGELES, CA 90054, DATED 8-15-1977
21	URANIUM RECOVERY FROM ANDERSON MINE ORE Laboratories studies by Hazen Research Inc.	MINERALS EXPLORATION COMPANY, BOX 50324 TUCSON AZ 85705, DATED 3-15-1978
22	TAILINGS A LIST OF DRAWINGS	MINERALS EXPLORATION CO
22	REPORT OF INVESTIGATION THICKENING OF ACID LEACHED URANIUM ORE ANDERSON RANCH, AZ	MINERALS EXPLORATION CO, DECEMBER 1978
22	OLD DRAFT REPORT ANDERSON MINE	
22	ACID AGITATION LEACHING AND THICKENING STUDIES ON DATE CREEK URANIUM ORES PHASE 2 PART 1	URANGESELLCHAFT USA INC 6000 E EVANS AVE DENVER CO 80222 DATED FEB 1979
22	URANIUM RECOVERY FROM ANDERSON MINE ORE	MINERALS EXPLORATION COMPANY DATED MARCH 1978
22	ANDERSON MINE CHEMICAL DATA	DATED 1975-1978
22	METALLURGICAL SUMMARY AND PRELIMINARY DESIGN DATA FOR THE ANDERSON URANIUM DEPOSIT	DATED SEPTEMBER 1977 FOR MINERALS EXPLORATION COMPANY
22	ALKALINE LEACHING OF ANDERSON MINE SAMPLES	DATED AUGUST 1977 FOR MINERALS EXPLORATION COMPANY
22	A COMPARISON OF CONVENTIONAL AND EIMCO HI- CAPACITY THICKENERS FOR THE ANDERSON URANIUM PROJECT	DATED FEB 1979 FOR MINERALS EXPLORATION COMPANY
22	A COMPARISON OF	DATED FEB 1979 FOR



Box	Folder	Comments
	CONVENTIONAL AND EIMCO HI-CAPACITY THICKENERS FOR THE ANDERSON URANIUM PROJECT	MINERALS EXPLORATION COMPANY
22	METALLURGICAL SUMMARY AND MILL DESIGN CRITERIA FOR THE ANDERSON URANIUM DEPOSIT	DATED 1978 FOR MINERALS EXPLORATION COMPANY
22	MEMO TO J. LITZ	STUDIES ON LEACHING OF ANDERSON MINE COMPOSITES
22	METALLURGICAL SUMMARY AND MILL DESIGN CRITERIA FOR THE ANDERSON URANIUM DEPOSIT	DATED 1978 FOR MINERALS EXPLORATION COMPANY
22	METALLURGICAL SUMMARY AND PRELIMINARY DESIGN DATA FOR THE ANDERSON URANIUM DEPOSIT	DATED SEPTEMBER 1977 FOR MINERALS EXPLORATION COMPANY
22	AM-701-710	DRILL LOGS
22	AM-711-720	DRILL LOGS
22	AM-721-730	DRILL LOGS
22	AM-731-740	DRILL LOGS
22	AM-741-750	DRILL LOGS
22	AM-751-760	DRILL LOGS
22	AM-761-770	DRILL LOGS
22	AM-771-780	DRILL LOGS
22	AM-781-790	DRILL LOGS
22	AM-791-800	DRILL LOGS
22	AM-801-810	DRILL LOGS
22	AM-811-820	DRILL LOGS
22	AM-821-830	DRILL LOGS
22	AM-831-840	DRILL LOGS
22	AM-841-850	DRILL LOGS
22	AM-851-860	DRILL LOGS
30	RESERVES 8.5.1 RESERVE APPLICATION	
30	RESERVES 8.5.2 MINING CONTROL	
30	REVIEW OF ESTIMATED MINEABLE URANIUM RESERVES	DATED SEPT 1977 FOR MINERALS EXPLORATION CO
30	ORE CONTROL TECHNIQUES AT THE AM	DATED SEPTEMBER 1977
30	RESERVES 8.7 GEOLOGIC RESERVES	Folder has this label but does not contain this report 1-05 NJN
30	AM ASSAYS EQUILIBRIUM	MEMOS REPORTS ASSAYS ETC. Folder has this label but does not contain this report 1-05 NJN
30	DEVELOPMENT REPORT ON EQUILIBRIUM AT AM	DATED APRIL 1978
30	URANIUM RECOVERY FROM AM ORE	MINERALS EXPLORATION CO 1978
30	GEOLOGY AND URANIUM RESOURCES OF AM	DATED JUNE 1976
30	AM GEOLOGY REPORT	DATED AUG 1977
30	AM GEOLOGY REPORT	DATED AUG 1977
30	A REVIEW OF ESTIMATED MINEABLE URANIUM RESERVES AM PROJECT, SEPT 1977	IN THIS ARE PICS NEXT TO DRILL HOLE 157,99,SHOWING URANIUM OXIDES IN SILTSTONES 152
30	LIST OF MEMOS, LETTERS	MOST ARE DATED IN 1978
30	RESERVES 8.2 GENERAL	
30	RESERVES AM ORE RESERVE	

Box	Folder	Comments
	VERIFICATION	
30	RESERVES 8.6 MODELING	
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 1 EXECUTIVE SUMMARY
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 2 GEOLOGY AND MINING
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 3 ORE PROCESSING
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 2 GEOLOGY AND MINING
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 1 EXECUTIVE SUMMARY
37	UNION EXPLORATION CO FINAL FEASIBILITY STUDY ANDERSON PROJECT YAVAPAI CO, ARIZONA	FOR MINERALS EXPLORATION COMPANY DATED JULY 1978 VOLUME 3 ORE PROCESSING
37	ANDERSON MINE BULK DENSITY STUDY	MINERALS EXPLORATION CO JANUARY 1978
37	USGS REPORT GEOLOGIC INTERPRETATION OF GRAVITY DATA DATE CREEK BASIN	ADJACENT AREA WEST CENTRAL ARIZONA 1978
37	ACID LEACHING OF ANDERSON MINE SAMPLES	MINERALS EXPLORATION CO
37	ACID LEACHING OF ANDERSON MINE SAMPLES	MINERALS EXPLORATION CO
37	SUBSURFACE GEOCHEM ANDERSON MINE	MINERALS EXPLORATION CO



**AGAPITO ASSOCIATES, INC.**  
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August 26, 2005

531-01

Mr. Ralph Kettell  
President  
Concentric Energy Corp  
2905 Greencastle Road  
Burtonsville, MD 20866

**Re: Progress on the Mineral Resource Evaluation Anderson Mine, Arizona**

Dear Ralph:

As per your request I am forwarding the latest mineral resource estimate based on the additional data processed since our earlier estimates of May 2005. Vanadium resources have now been included in the estimate. Dave Conover in our Denver office, in cooperation with Kim and Jill, has established a new estimate of the mineral resource for the two properties.

**Uranium**

Table 1 summarizes the updated preliminary mineral resource estimate for in-place uranium at the Anderson Mine for three cutoff grades: 0.01%, 0.02%, and 0.05% weight  $U_3O_8$ . The results are based on the radiometric data supplied by Concentric from both the Urangesellschaft (German) and Union Oil properties. No chemical assay data are included in the estimate at this point in time. Also, there has been no adjustment for the disequilibrium effect. The resource estimate reports total mineralization without consideration of mining and processing losses.

The resource estimate is based on a relatively conservative average ore grade density of 100.7 pcf (19.865 ft<sup>3</sup>/ton).

The data base contains 1,007 holes from the Union leases and 330 from the Urangesellschaft properties. The data source is historical gamma logs run immediately after hole drilling. The holes were drilled in 1964 through 1979. The majority of the holes were rotary drilled with over 100 holes cored and logged. The radiometric logs have been digitized under our direction and processed using an industry standard method (GAMLOG) to produce an estimate of the in-place uranium content (weight %) on 6-inch intervals over the depth of the hole. The hole depths range from 100 to 2,000 ft. All holes are assumed to be vertical in the estimate of volumes. The estimates are for total mineralization without concern for continuity or thickness cutoffs. The thickness of mineralization is the accumulated thickness of all hole

Mr. Ralph Kettell  
August 26, 2005  
Page 2

intervals that exceed the  $U_3O_8$  grade cutoff. The average grade for a hole for a particular grade cutoff is calculated as the accumulated grade times the thickness divided by the accumulated thickness greater than the grade cutoff.

The mineral resource was calculated separately for the Union Oil and German properties and for all holes combined. The "Sum" column in Table 1 is a direct addition of the Union and German resource estimate, as a check. The Union resource estimate only changed slightly since the May 20, 2005 estimate; however, the German resource increased significantly. This is due to the larger area of mineralization sampled by the additional hole logs. Also, the earlier estimate used a 1,000-ft search radius when Kriging the data, but because the new German holes were more widely spaced, the German and Combined mineral resource estimates used a 2,000-ft radius with at least one hole within that radius. At the boundary where the search radius applies, the uranium content is generally near-zero, so the effect of the larger radius on the total mineral resource and  $U_3O_8$  content should be minimal. However, to be conservative, the number of holes in the radius of influence may need to be increased.

Also attached are two figures (Figures 1 and 2) showing contours of the thickness of mineralization at the 0.01%  $U_3O_8$  cutoff and the grade thickness contours for the 0.02%  $U_3O_8$  cutoff.

The appendix lists all holes used in the calculations and the thickness and grade for each hole at each cutoff grade.

### Vanadium

The occurrence of vanadium ( $V_2O_5$ ) in association with uranium was evaluated on the basis of 458 chemical assays on 6-inch cores from 14 Union Oil holes. Figure 3 shows the location of the holes containing vanadium assay information. Table 2 summarizes the vanadium and uranium data for all 14 holes.

Figure 4a compares chemical  $U_3O_8$  with chemical  $V_2O_5$  from the 458 individual 6-inch cores. Figure 4b compares the  $U_3O_8$  and  $V_2O_5$  chemical assays averaged (composited) over the total assayed length within each hole. The ratios of the averages (Figure 4b) show substantially greater consistency than the individual cores (Figure 4a), where the average vanadium to average uranium by weight ratio (V:U ratio) trends between 1.0 and 2.7, and averages 1.8.<sup>1</sup> No cutoff grade was used to determine these ratios.

The difference in variability between the 6-inch core assays and composite assays suggests that, while the vanadium generally correlates with uranium, the two minerals may not occur consistently at the same horizon within a bed. This corresponds with the findings of a 1977 Hazen Research, Inc. study<sup>2</sup> that showed relatively uniform V:U ratios when mineralized intervals were physically composited (blended).

<sup>1</sup> Excluding statistically "outlying" V:U ratio holes AM-149-C and AM-17-C.

<sup>2</sup> Hazen Research, Inc. (1977), "Alkaline Leaching of Anderson Mine Samples," Report prepared for Minerals Exploration Company, Los Angeles, California, August 15.

Mr. Ralph Kettell  
August 26, 2005  
Page 3

The holes summarized in Figure 4b suggest there may be some subtle trend between uranium grade and the V:U ratio. More measurements are required to substantiate and define any trend.

Results indicate that vanadium correlates relatively well with chemical uranium, and that vanadium likely occurs in sufficient quantity to substantially increase the economic value of the resource. Additional drilling and assaying are justified to prove this likelihood.

### Reserve Issues

This estimate for the mineral resource does not address the factors that need to be considered in establishing the "reserves" or the economically mineable part of the mineral resource. This takes into account the mining method, process, economic, and other factors that demonstrate, at the time of reporting, that economic extraction can be justified.

Future efforts by AAI will be directed to:

- Completing the mineral resource estimate
- Developing a geologic model to establish continuity of mineralization
- Selecting a mining strategy and developing the mine plan
- Initiating the permitting process
- Planning a confirmation drilling program to verify historical data
- Developing capital and operating costs to exploit the deposit
- Establishing recoverable reserve and mine-life estimates

We appreciate the opportunity to be of service.

Yours sincerely,



M. P. Hardy  
Principal  
mhardy@agapito.com

MPH:klg

cc: Arden Larsen, Concentric

Attachments(7): Table 1—Summary of Grade, Thickness, and Total Pounds  $U_3O_8$  per 0.01%, 0.02%, and 0.05%  $U_3O_8$  Cutoff  
Table 2—Holes with Vanadium Assays  
Figure 1—Anderson Mine, Preliminary Thickness Contours, 0.01%  $U_3O_8$  Cutoff  
Figure 2—Anderson Mine, Preliminary Grade-Thickness Resource, 0.02%  $U_3O_8$  Cutoff  
Figure 3—Anderson Mine Vanadium Holes  
Figures 4a and 4b—Uranium versus Vanadium comparisons  
Appendix—Holes Used with Mineralized Thickness and  $U_3O_8$  Composite Grade per Hole

**Table 1. Summary of Grade, Thickness, and Total Pounds U<sub>3</sub>O<sub>8</sub> per 0.01%, 0.02%, and 0.05% U<sub>3</sub>O<sub>8</sub> Cutoff**

8/3/2005		Reserve Area			
Radius of Search		Union Oil 1,000 ft	German 2,000 ft	Sum	Combined 2,000 ft
<b>0.01% Cutoff Grade</b>					
Thickness volume	ft <sup>3</sup>	911,335,000	1,954,810,000	2,866,145,000	2,943,740,000
Area	ft <sup>2</sup>	33,516,600	64,920,400	98,437,000	107,288,000
Average thickness	ft	27.19	30.11	29.12	27.44
Ore >0.01%	tons	45,885,717	98,424,684	144,310,401	148,217,309
Grade x thickness	ft <sup>3</sup> -%	27,697,100	50,355,200	78,052,300	79,763,800
Area	ft <sup>2</sup>	32,904,200	63,640,800	96,545,000	105,448,000
Average grade x thickness	ft-%	0.84	0.79	0.81	0.76
Average grade	%	0.031	0.026	0.028	0.028
U3O8 >0.01%	lb U <sub>3</sub> O <sub>8</sub>	27,890,980	50,707,686	78,598,666	80,322,147
<b>0.02% Cutoff Grade</b>					
Thickness volume	ft <sup>3</sup>	368,994,000	732,513,000	1,101,507,000	1,122,790,000
Area	ft <sup>2</sup>	31,842,300	63,084,800	94,927,100	102,862,000
Average thickness	ft	11.59	11.61	11.60	10.92
Ore >0.02%	tons	18,578,848	36,882,030	55,460,877	56,532,477
Grade x thickness	ft <sup>3</sup> -%	20,477,800	33,245,600	53,723,400	54,750,600
Area	ft <sup>2</sup>	31,108,600	62,233,400	93,342,000	101,733,000
Average grade x thickness	ft-%	0.66	0.53	0.58	0.54
Average grade	%	0.057	0.046	0.050	0.049
U3O8 >0.02%	lb U <sub>3</sub> O <sub>8</sub>	20,621,145	33,478,319	54,099,464	55,133,854
<b>0.05% Cutoff Grade</b>					
Thickness volume	ft <sup>3</sup>	111,535,000	167,942,000	279,477,000	283,905,000
Area	ft <sup>2</sup>	30,555,400	62,594,500	93,149,900	100,125,000
Average thickness	ft	3.65	2.68	3.00	2.84
Ore >0.05%	tons	5,615,787	8,455,880	14,071,667	14,294,617
Grade x thickness	ft <sup>3</sup> -%	12,676,700	16,362,300	29,039,000	29,560,200
Area	ft <sup>2</sup>	30,218,900	60,030,200	90,249,100	96,277,600
Average grade x thickness	ft-%	0.42	0.27	0.32	0.31
Average grade	%	0.115	0.102	0.107	0.108
U3O8 >0.05%	lb U <sub>3</sub> O <sub>8</sub>	12,765,437	16,476,836	29,242,273	29,767,121
Estimated density	lb/ft <sup>3</sup>	100.7			

Table 2. Holes with Vanadium Assays

Hole ID	Composite V <sub>2</sub> O <sub>5</sub> Grade <sup>†</sup> (%)	Composite U <sub>3</sub> O <sub>8</sub> Grade <sup>†</sup> (%)	V:U Ratio	Composite Interval Thickness (ft) <sub>i</sub>
AM-149-C	0.111	0.020	5.40	88.0
AM-17-C	0.077	0.017	4.61	146.5
AM-113-C	0.060	0.023	2.66	84.0
AM-13-C	0.035	0.014	2.57	41.0
AM-79-C	0.028	0.011	2.54	50.5
AM-49-C	0.071	0.032	2.24	129.0
AM-135-C	0.141	0.073	1.94	138.5
AM-51-C	0.117	0.061	1.90	69.5
AM-18-C	0.076	0.048	1.59	46.0
AM-7-C	0.057	0.040	1.43	100.5
AM-26-C	0.044	0.033	1.35	89.5
AM-16-C	0.078	0.062	1.25	122.0
AM-1-C	0.046	0.040	1.14	111.0
AM-119-C	0.050	0.051	0.97	117.5

<sup>†</sup> Mathematical average of 6-inch core assays over the length of the composite interval.



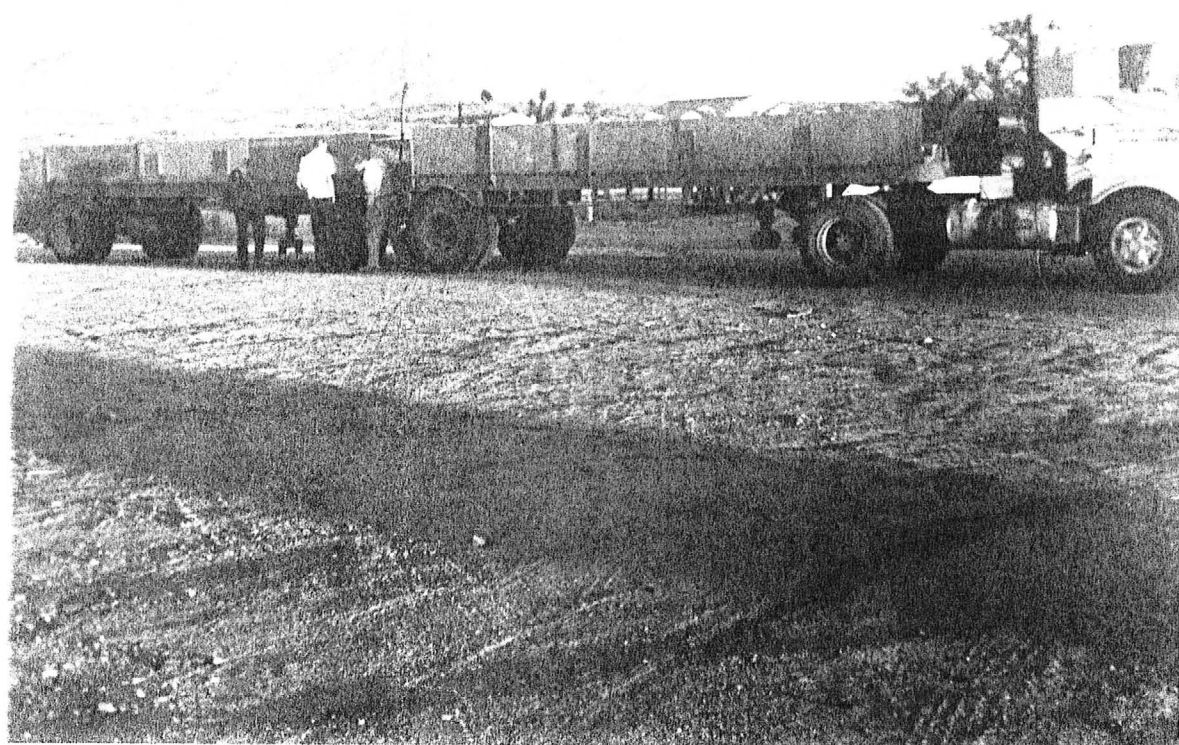
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ANDERSON MINE

YAVAPAI COUNTY

NJN WR 7/24/87: Frank Kimbler reported that his recent trip with his prospecting class to the Anderson Mine (file) Yavapai County to collect carnotite, opal and plant fossils was successful.

-----

Union Oil Company of California  
461 South Boylston Street, Los Angeles, California 900  
Telephone (213) 977-6457

*R. O. P. M. B.*



*circulate  
then file  
Minerals Exploratory Co*

Bob J. Taylor  
Minister of Lands

January 11, 1985

Mr. Ralph D. Harburger  
Oak Creek Gem and Mineral Club  
P. O. Box 1649  
Sedona, Arizona 86336

Re: Anderson Mine Field Trip

Dear Mr. Harburger:

Union has surrendered its mining claims and no longer has an interest in the Anderson Mine property. We believe Wold Nuclear Company has since filed claims covering this property so any inquiries should be directed to Mr. John S. Wold whose address is 139 West Second Street, Suite 200, Casper, Wyoming 82602.

We trust you will still have time to schedule your March rock collection outing.

Very truly yours,

BJT/jm

URANGESELLSCHAFT U.S.A. Ltd.

REL WR 12/20/73: They have leased the ground about 2 miles south of the Anderson uranium mine and are drilling.

---

JHJ/ap 3/2/78: Had telephone conversation today - leased State and Santa Fe RR lands and Aquarius Mountains, Mohave County. They are going to drill.

---

KAP WR 9/2/83: Dave Hertske, geologist with Urangellschaft U.S.A. Inc., reported the firm is simply holding their better claims in Arizona and doing assessment work only. They have no other active project in Arizona at present. Their claims are listed on a separate sheet for inclusion in a company file under the name of Urangellschaft U.S.A. The total number of claims is 319.

---

se  
URANGELLSCHAFT U.S.A. CLAIMS IN YAVAPAI COUNTY  
(BLM Microfiche July 14, 1983)

No. in Group	AMC Lead File No.	Claim Names
2	27076	- Arnold Fraction #1 & #2
1	27075	- Dave Fraction #1
85	26234	- Conejo #1-#85
86	26318	- Tonto #1-86
2	26404	- Tonto Fraction 1 - 2
7	26406	- Gila #1-#7
10	26413	- Gila #13-#22
4	26423	- Gila #63-#66
30	26427	- Burro #1-#30
4	26457	- Burro Fraction #1-4
74	26461	- Yucca #1-#74
4	26535	- Yucca Fraction #1-#4
5	26539	- Canejo Fraction #1-#5
<u>5</u>	27394	- Canejo #86-#90
319	Total	

The claims occupy all or part of Secs. 10, 13, 14, 15, 16, 19, 21, 22, 23, 25, 26, 27, and 28, T11N, R10W and Sec. 19, T11N, R9W.

ANDERSON PROPERTY

YAVAPAI

Holmes and Narver tested heap leaching uranium ore on the Anderson Uranium prospect NW of Congress. Exact results are not disclosed. A German company was interested in the property and located claim adjoining the Anderson group. FTJ AR 73-74

Note from JHJ, 1/22/75 - Leased to Minerals Exp. Co., Caspar, Wyoming, part of Union Oil. 2 months free if option exercised. \$20,000 for next 10 months, then return or pay \$300,000 more.

Dan Jacobs said they have optioned their Anderson Uranium to Union Oil. Some free time granted with end price of \$600,000. FTJ WR 2/19/75

Mel Jones reported that Jim Young of Minerals Exploration has charge of the Anderson Mine property while on lease to Minerals Exploration. Mel Jones said he had discussed the rockhound usage of the area with Jim Young. Mr. Young saw no reason to interfere with the hobbyists. KAP WR 4/10/75

WR MG 1/6/78 - Mr. Frank Buchella, Manager of Operations for Minerals Exp. Co., mentioned that the Anderson uranium mine in Arizona will be developed after they received a permit to go ahead with their other mine in Wyoming. 2/17/78 sef.

KP WR 10/20/78 - Mr. <sup>Fitz-Randolph</sup> ~~Fitzgradolph~~, Arizona Atomic Energy Comm. requested information on the new State claim staking requirements and whether they might be significant in Mineral Explorations Anderson Mine project. I explained that the claims predated the effective date of the act. 1/22/79 a.p.

KP WR 2/8/79 - Provided information and discussed uranium mining, processing, tailings disposal and radioactivity with Marsha Bartell of KAET-TV Channel 8. The station plans to produce a program on what they call the controversy over the Anderson Mine Project. I fear they will rely primarily on data supplied by the company, Union Oil, who they will consider unfairly biased and the anti-nuclear advocate who they will consider righteous and acting only in the public interest. 2/8/79 a.p.

The Anderson uranium mine, Yavapai County, has long been a collecting location. Minerals Exploration operations at the property have been transferred from their exploration division to their development division. Detailed drilling and development work are proceeding toward eventual mining. The development activity will limit collecting of specimen to areas not involved in the various operations. KAP report 12/22/76

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES  
MAKES NO REPRESENTATION  
OF THE CONTENTS OF THESE DOCUMENTS.

ANDERSON MINE

YAVAPAI COUNTY

Property has been relocated - now consists of two groups of claims Moon Beam (about 40 claims) and Cosmo (30 claims). Relocated in 1964 - owners: Dan Jacobs, et al (other partners include Melvin Jones and Wm. Salsbury & others) Dan Jacobs can be reached at Congress, Arizona. LP 10-28-66

Interview - Dan Jacobs - he said a drill rig was moving to the Anderson Uranium claims for exploratory drilling. FTJ WR 5-5-67

Interviewed Dan Jacobs at Arrowhead Station re Anderson Uranium. He said a Los Angeles Group is trying to make a deal. FTJ WR 6-23-67

Visited Dan Jacobs at his service station. He said Kerr-McGee were interested in the Anderson mine ( $U_3O_8$ ), west of Congress. FTJ WR 10-20-67

Getty Oil is preparing drill sites on the Anderson Uranium property northwest of Congress. FTJ WR 2-23-68

Active Mine List April 1968 - Exploration

Mr. Don Nichols visited office and said he is with Getty Oil Co. out of Salt Lake City. He said they are actively exploring at the Anderson property. LP 4-3-68

Active Mine List Oct. 1968 - Exploration

Interview with Melvin Jones and Dan Jacobs at the Arrowhead Service Station at Congress. Uranium-Aire area again undergoing examination by various companies. FTJ WR 2-21-69

Interview with Dan Jacobs at Anderson Uranium - no activity. FTJ WR 6-20-69

I traveled from Phoenix to the Anderson uranium mine NE of Wickenburg. There I met Mel Jones who showed me around the property. He reported that there is estimated to be about \$10 million worth of uranium on the property. Some is stockpiled that assays .10 to .13 percent. Some German company is evaluating the property at present. REL WR 11/8/73

Dan Jacobs said Holmes and Narver were conducting tests - vat leaching at the Anderson uranium mine, also that a German company had located claims around the Anderson claims. FTJ WR 1/10/74

Mel Jones said that Producers Minerals was to sign a buy or lease agreement with him and his partners on Dec. 21 on the Anderson uranium mine. REL WR 12/20/73

Mel Jones states Producers did not come up with the money so contract has been terminated (\$50,000). The German group that located & drilled approx. 2 miles south of the mine is interested in optioning the mine. In addition there is a second group interested. Office interview - JHJ 3-21-74

ANDERSON MINE

YAVAPAI COUNTY

Visited the Anderson Mine (Uraniumaire). No one was present on the property. The trailer camp is abandoned and most mine housing and equipment has been removed.

TPL WR 10-17-59





CHEMICAL & MINERALOGICAL SERVICES 3435 SOUTH STATE STREET, SALT LAKE CITY, UTAH 84115, (801) 266-8228

**ANALYTICAL REPORT FOR:**

Porter & Company	OUR NUMBER 1892
P. O. Box 667	DATE April 29, 1971
Boise, Idaho 83701	CUSTOMER'S ORDER NO.

<u>Sample #</u>	<u>U<sub>3</sub>O<sub>8</sub>%</u>
1	.098
2	.082

*Ray Beall*

2 samples for U<sub>3</sub>O<sub>8</sub> analyses ----- \$ 6.00

Book - Learning  
yellow - J.  
File - Minerals Exploration  
Co.

October 16, 1978

Mr. Dan Jacobs, Chairman  
Business Men of Congress  
Congress, Arizona 85332

Dear Mr. Jacobs:

Thank you for the letter of support for Minerals Exploration Company and their proposed uranium mine and plant. It is good to hear from a group that is supportive of a mining venture.

The department is in complete agreement with your feelings of the project. We support the project and are doing everything we can to help Minerals Exploration Company obtain the "Go Ahead" signal.

Sincerely yours,

John H. Jett  
Director

bh

RECEIVED

October 5, 1978

OCT 11 1978

DEPT. MINERAL RESOURCES  
PHOENIX, ARIZONA

Department of Mineral Resources  
Attn: John H. Jett, director  
Mineral Building, Fairgrounds  
Phoenix, Arizona 85007

Dear Sirs:


On October 3, 1978, a meeting of the business people of Congress was held to discuss the Uranium Plant to be constructed due West of Congress.

We, as business people, feel this would be an asset to our community, and we support Minerals Exploration Co. in regards to this project.

Congress, "The Gateway to the Anderson Mine", was founded by the mining industry before 1885 and we would like to continue the encouragement of Modern Mining in this area.

We have attached a list of local businesses that are in support of this project.

Respectfully,

  
\_\_\_\_\_  
Dan Jacobs, Chairman

DJ:ac

enc.

BUSINESS MEN OF CONGRESS IN SUPPORT OF THE URANIUM PLANT

Arrowhead Bar  
Arrowhead Trailer Park  
Arrowhead Steakhouse  
Congress Exon  
Congress Laundromat  
Carr's Grocery  
El Tecalote Bar & Restaurant  
Belle Deck Homesites  
Walt Welding  
Earl's General Service  
Jack's Welding  
Arrow Gas  
Desetundra Development Co., Inc.  
The Pipeline Ranch  
Shell Gas Station  
Les Moore Enterprises



STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

602/271-3791

Anderson Property

MEMORANDUM

TO: Board of Governors  
FROM: John H. Jett, Director  
SUBJECT: Uranium Activity  
DATE: October 5, 1976

Union Oil Company has transferred activities of their uranium prospect from Exploration to the Development Department. They will evaluate, by further drilling, engineering studies and metallurgical studies, for a year, then present to their Board of Directors in September 1977.

The following information was supplied by Mr. Buchella, Jr., and is not confidential.

At this time, preliminary plans indicate an operation of 3,000 T.P.D., employing approximately 300 people. This will include an open-pit mine and mill.

The following information should be considered confidential until you hear it from a source other than the Department.

"Ore reserves have been increased from 15,000,000 ton to 25,000,000 ton of ore."

"The German firm drilled deep down dip and has ore. Union Oil is negotiating with the Germans to do their mining for them. I assume it would be from an incline from the pit bottom. The ore is in tilted sedimentary lake beds."

It is too early to discuss the possibility of their mill buying custom ore.

(Sall Lake)  
UOCO has been negotiating with the railroads trying to obtain favorable freight rates before establishing a buying station. I believe they have negotiated to less than half the original quotation. This would be railroad from Wickenburg to Grants, New Mexico.

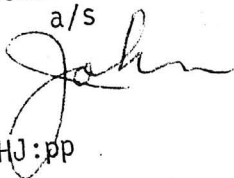
Memo to Board of Governors  
10/5/76 - Page 2 Subj: Uranium Activity

Kerr McGee dropped their options and leaves on the land north of Lake Pleasant. Minerals Exploration will definitely take a look at the area. They stated they are pleased with a chance to take tertiary looks at properties.

I have attached an interesting article on Westinghouse. I have heard they are going back to court and will use their Arizona activities as part of their defense.

Attachments

a/s



JHJ:pp

THE ARIZONA DEPARTMENT OF MINERAL RESOURCES  
MAKES NO REPRESENTATION AS TO THE ACCURACY  
OF THE CONTENTS OF THESE DOCUMENTS.



Uranium Aire (Anderson Mine) (533)  
 Sec. 9, 10, 11 T. 11 N., R. 10 W.  
 Yavapai County

reference: Coal, Oil, Natural Gas, Helium and Uranium in Arizona by Peirce, Keith, and Wilt  
 ABM Bulletin 182 1970

### uranium

considerable exploration has been done; a few small shipments have been made.

"Carnotite in two carbonaceous layers, 85 feet apart and about  $2\frac{1}{2}$  feet thick in mudstone-limestone unit in Tertiary lake bed sediments interbedded with minor conglomerate and ash beds. Considerable faulting and minor folding. Palm-type wood fragments opalized, carbonized, and replaced by chalcedony. Abundant limonite and hematite. Some secondary enrichment. V to U ratios vary from 1:1 to 1:2.4 for 0.11 and 0.64 percent  $U_3O_8$  respectively."

p. 256



Anderson Mine

Antastra Mtn SE 7.5' (sec. 11, T. 11 N., R. 10 W.)

reference: Arizona Dept. of Mineral Resources  
Anderson Property (Uranium - Aire Mine) file  
Yavapai County

current owners: Minerals Exploration Company,  
a subsidiary of Union Oil Company of California  
(as of December 1975)

history of the mine:

first discovered in January 1955 by T.R. Anderson with an airborne scintillation counter. Anderson and his associates located these claims and called them the Uranium - Air claims. They made a few shipments to the Cutter buying station in 1955. In 1957 and 1958 the Interstate Oil and Development Company made some shipments from the open pit mine to the Cutter and Grants buying stations. The Interstate Oil and Development Company stockpiled 13,670 tons of ore and accomplished a drilling program coming up with 225,209 tons of reserves averaging .22%  $U_3O_8$  according to their computations. This operation was then abandoned because of richer discoveries in New Mexico. The claims were relocated in 1964 and by 1970 the claims comprising the Anderson Mine were Moonbeam, Cosmo, and Tacsar groups. In 1968 the Getty Oil Company took a lease with an option to buy and instituted a drilling program but gave up and went to



## Anderson Mine (cont)

Wyoming to more lucrative fields. In December 1975 the Minerals Exploration Company, a subsidiary of the Union Oil Company of California, completed purchase on the mine.

According to the Arizona Dept. of Mineral Resources, the exploratory phase has changed into the development phase for the Anderson Mine (October 1976).

## Geology of area

sediments composed of mostly fine detrital rocks with a portion of bentonitic clays

1970 estimates of the Anderson Mine ore reserve bodies

total 207,809 tons of .18%  $U_3O_8$

$U_3O_8$  assayed by Getty Oil from .26% to .11%

theoretically the mine could produce

748,112 lbs. of  $U_3O_8$  for \$5,984,896  
(\$8.00 per pound)

may also be able to recover vanadium  
for \$1,496,224 (\$2.00 per pound)

in 1973, Mel Jones reported an estimate of \$10 million worth of uranium



## Anderson Mine (cont.)

from conversation with Glenn Walter and Ken Phillips at Arizona Dept. of Mineral Resources 6, 7 Oct. 1976:

Minerals Exploration Company (subsidiary of Union Oil Company of California) and a German Company Uranigazelleshaft (?) are very interested in the area. Union Oil has gone from the exploration stage to the development stage and is now negotiating with Uranigazelleshaft for their mineral rights. Union wants to operate at about 3,000 tons/day. Union is also looking at the Black Butte area.

STATE OF ARIZONA  
DEPARTMENT OF MINERAL RESOURCES  
MINERAL BUILDING, FAIRGROUNDS  
PHOENIX, ARIZONA 85007

April 5, 1974

Interview with Mel Jones

C  
O  
P  
Y  
Lou Lewis of Kingman, Dan Jacobs, Congress and John (?) Allan, Wickenburg, relocated Black Butte  $U_3O_8$  claims - 12 miles SE of Aguila. Known as J.A.S. claims now. Tognoni had these claims and came out while above were staking and tried to run them off. They claim Tognoni has done no assessment work.

It is possible this locating was done based on activities of the Germans.

Mr. Jones said a Mr. Arnold Seager from Denver, representing the German company that has now located over all of Sharp's claims, wants to buy the Anderson mine. Mel said they offered it for \$300,000. cash.

JHJett

# ONA DEPARTMENT OF MINE. RESOURCES

**Mineral Building, Fairgrounds**

**Phoenix, Arizona**

1. Information from: Mel Jones  
Address: Box 406, Wickenburg, Arizona 85358
2. Mine: Anderson Uranium mine 3. No. of Claims - Patented \_\_\_\_\_  
(Uranium Aire) Unpatented \_\_\_\_\_
4. Location: NW of Wickenburg along county line; Yavapai Co.
5. Sec 9, 10, 11 Tp 11N Range 10W 6. Mining District Bullard
7. Owner: M. Jones; D. Jacobs, L. Hammons
8. Address: Jones: as above
9. Operating Co.: \_\_\_\_\_
10. Address: \_\_\_\_\_
11. President: \_\_\_\_\_ 12. Gen. Mgr.: \_\_\_\_\_
13. Principal Metals: Uranium 14. No. Employed: \_\_\_\_\_
15. Mill, Type & Capacity: \_\_\_\_\_
16. Present Operations: (a) Down ☐ (b) Assessment work ☐ (c) Exploration ☐  
(d) Production ☐ (e) Rate \_\_\_\_\_ tpd.
17. New Work Planned: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
18. Misc. Notes: Mel Jones told me Dec. 19, 1973 that the German company of Urand-Gellshoft (sp?) had hired Bob Hartman, geologist from Colorado, to direct drilling about 2 miles south of the Anderson mine. Apparently there were some holes drilled in this area in the 1950's which showed good values of  $U_3O_8$ . However, the records became lost & they are drilling to verify the hearsay data. One hold already has been rotary drilled to a depth of 1600 ft. The other hole is being drilled now by a drilling company from Wickenburg.  
The Producers Chemical Company from El Paso was to meet with Jones, et al to sign a purchase or lease agreement on the Anderson Uranium Mine on 12-20-73.  
Producers Chemical Company's plans with the mine are to erect a 200 tpd mill; crush material between 1/4 and 1/2 inch mesh; place this in a big vat (mixer with baffles) with chemicals (K) and leach.

Date: January 3, 1974

(Signature)

R. E. LEHNER

(Field Engineer)

**DEPARTMENT OF MINERAL RESOURCES**  
**State of Arizona**  
**FIELD ENGINEER'S REPORT**

Date Nov. 19, 1973

**ANDERSON URANIUM MINE**

- Location: Sec. 9, 10, 11 Twp. 11 N Range 10 W Nearest Town Congress Distance 36<sup>±</sup> miles  
Direction SE Nearest R.R. \_\_\_\_\_ Distance \_\_\_\_\_  
Road Conditions Congress to Alamo Rd turn off is paved (11 mi) rest is good dirt road  
Mining District and County: Bullard (?) Yavapai County
4. Former Name of Mine: URANIUMAIRE Group
5. Owner: Mel Jones; Dan Jacobs and Lee Hammons  
Address: " " Wickenburg, Arizona phone: 684-2767
6. Operator: \_\_\_\_\_  
Address: \_\_\_\_\_
7. Principal Minerals: Uranium
8. Number of Claims: Lode X Patented \_\_\_\_\_ Unpatented X  
Placer \_\_\_\_\_ Patented \_\_\_\_\_ Unpatented \_\_\_\_\_
9. Type of Surrounding Terrain: Rolling hills in places steeply dissected.
10. Geology and Mineralization: Carnotite in several carbonaceous layers, 85 feet apart and about 2-1/2 ft. thick in a mudstone-limestone unit in Tertiary lakebed sediments interbedded with minor conglomerate and ash beds. The uranium bearing zone is opalized, carbonized, and replaced by chalcedony. Few small shipments were made. Considerable exploration by bulldozing, trenching, drilling and ground and aerial radiometric surveys has been done. I started to take notes as Mr. Jones showed me around the property, but he said that it wouldn't be necessary because he gave the Phoenix office a copy of a comprehensive report that he wrote.
11. Dimension and Value of Ore Body: \_\_\_\_\_

Please give as complete information as possible and attach copies of engineer's reports, shipment returns, maps, etc. if you wish to have them available in this Department's files for inspection by prospective lessors or buyers.

(over)



Bureau of Mineral Resources  
State of Arizona

Engineer's report.

Travis P. Lane

Sept 25, 1958

E X T R A C T

Anderson Mine - 34 miles West of Congress, Arizona.  
U<sub>3</sub>O<sub>8</sub>

Owner and Operator - Interstate Oil and Development Co.  
Wickenburg, Arizona (Reno, Nevada).

420 claims - long axis for 3 miles in NW-SE direction.

Main mineralization, principally carnotite occurs in strata in carbonaceous lake sediments of late tertiary age. Host material is calcareous mudstone with varying amounts of tuff. Fragments and chunks of petrified palm roots, trunks, and fronds are abundant in beds.

The workings are of 4 major pits and a great many cuts and trenches and some 30,000 feet of drilling has been done. Drilling depth averaged 30' with a maximum of 500' and a minimum of 20'. The work has indicated a limit of mineralization on the SE end, more or less continuous mineralization from there in a NW trend to the NW end of property. Width of zone is less clearly indicated. In the mining area it is at least 600' width with indicated further lateral extent. The main ore bed, where pit mined, is overlain with about 18' of overburden, and was 3 to 4' thick. Drilling on floor of largest pit encountered other ore beds at 20', 35', 78' and 160'. Thickness and grade is comparable to main bed, except at 78' where thickness of more than 20' of U<sub>3</sub>O<sub>8</sub> was penetrated, with lower U<sub>3</sub>O<sub>8</sub> content.

Major production was from 4 closely spaced pits along the NW trend of mineralization. Total production was said to have been around 25,000 tons with average grade of 0.30 % U<sub>3</sub>O<sub>8</sub>. The largest pit in the SE end has been fairly well mined out, although some ore remains in the floor and in places the ore bed dips (at about 10°) under the overburden on the SW side of pit. The other pits are only partially mined out. The operators estimate that ore in stockpiles amounts to 40,000 to 50,000 tons with grade under .2% U<sub>3</sub>O<sub>8</sub>. Some ore was shipped to the globe ore buying station, but most was sent to AEC stations at Bluewater and Grants, N.M.

Engineer's report .

Travis P. Lane

Sept 25, 1958

E X T R A C T

50 tons shipped to the Tuba City plant of Rare Metals Corp for ore testing. Material obtained from number of holes on floor, stripped area in pits, and from stockpiles. Three lots were run with reported assays of 0.11, 0.12 and 0.23 %.

Engineer's report .

B. J. Squire

March 27, 1957

E X T R A C T

Production about 150 tons per week. Has 4 trucks. Average grade 0.3 to 0.4 % U<sub>3</sub>O<sub>8</sub>.

ANDERSON PROPERTY (retyped sheet 6/11/79 a.p.)

YAVAPAI CO.

RME 2057 Part I, Geology of Uranium Deposits in  
Tertiary Lake Sediments of Southwestern Yavapai Co., Az., Nov. 1956  
Geology Files (AEC) 2 maps in brown map cabinet - 4 copies of each, (2/17/78 a.p.)  
"American Society of Mechanical Engineer"  
Paper No. 57 - NESC - 28, March 11-14, 1957  
p. 6-8 (Not in our files)

ABM Bull. 180, p. 285

Minerals Exploration Company, Development Group - 884-8073 Phone Number 4/7/77

ANDERSON MINE

Yavapai  
Santa Maria Dist.

See:

GJBX- 243(81) Stream Sediment Detailed Geochemical Survey  
for Date Creek Basin, Arizona

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine ✓ Anderson  
District Ocho Coma, Yavapai  
Subject: Visit

Date Sept. 25, 1958

Engineer Travis P. Lane

✓  
Operated by Interstate Oil & Development Co.

Little change has taken place since the writer's last visit on June 25, 1958. Joe Allen is resident manager and Hal Miller is occupied with road and other maintenance. A 50 ton shipment was recently made to the Tuba City plant of Rare Metals Corp. for ore testing in connection with a proposal to A.E.C. for authorization (and concentrate contract) for construction of a mill. The material was obtained from a number of holes in the floor of a stripped area in one of the pits, and from stockpiles. Three lots were run with reported assays of 0.11, 0.12 and 0.23% U<sub>3</sub>O<sub>8</sub>.

Much claim staking activity by other parties is reported in the area surrounding the Anderson property. Several groups now hold hundreds of claims. The largest holder apparently is the partnership Joe Klaner and Wm. Doolin.



# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

Mine Anderson Mine

Date June 25, 1958

District

Ocho Cumbre, Yavapai  
Lechecon, Mohave County

Engineer

Travis Lane

Subject:

Visit to mine

Owner & Operator: Interstate Oil & Development Co.

General Manager: Verner Allen

Res. Manager: Joe Allen

At the time of visit the resident manager, Joe Allen, was away on business. Mr. Hal Miller, who has done most of the drilling on the property, was working a dozer on the road repairs, following a recent heavy storm. Mr. Miller showed the writer about the property. He appeared to be well acquainted with the mine and the history of its operation. The following general comments were drawn from conversation with him.

The main camp is located some 3 1/2 miles westerly from Congress, Arizona. The property comprises 420 claims which are blocked with a long axis extending for some 3 miles in a NW-SE direction.

The main mineralization, principally carnotite, occurs in strata in carbonaceous lake sediments of late tertiary age. The host material is calcareous mudstone with varying amounts of tuff. Fragments and chunks of petrified palm roots, trunks and fronds are abundant in the beds.

The workings consist of 4 major pits and a great many cuts and trenches; and some 30,000 feet of drilling has been done. The drilling depth averaged about 30', with a maximum of 500' and minimum of about 20'. The work has indicated a limit of the mineralization on the southeast end, and more or less continuous mineralization from there in a northwesterly trend to the NW end of the property. Width of the ore zone is less clearly indicated. In the mining area it is shown to be at least 600' with indicated further lateral extent. The main ore bed, where pit mined, was overlain by about 18' of overburden and was 3 to 4' thick. Drilling in the floor of the largest pit encountered other ore beds at 20', 35', 78', and 160'. Thickness and grade of these beds is comparable to the main bed except at 78' where a thickness of more than 20' of U<sub>3</sub>O<sub>8</sub> mineralization was penetrated with, however, lower U<sub>3</sub>O<sub>8</sub> content.

The major part of the production has been derived from 4 closely spaced pits along the NW trend of the mineralization. Total production is said to have been around 25,000 tons with average grade of just under .30% U<sub>3</sub>O<sub>8</sub>. The largest pit on the southeast end has been fairly well mined out although some ore remains in the floor and in places the ore bed dips (at about 10°) under the overburden on the southwest side of the pit. The other pits have been only partially mined out. The operators estimate that ore in stockpile amounts to from 40,000 to 50,000 tons with grade a little under .20% U<sub>3</sub>O<sub>8</sub>.

Some of the ore was shipped to the Globe ore buying station of UABC, but most was sent to the AEC stations at Bluewater and at Grants, New Mexico.

The Commission discontinued purchasing ore from this property in February. The mine was idle at the time of visit and personnel on the ground consisted only

Anderson Mine (cont.)

June 25, 1958

Page 2

of the aforementioned Joe Allen and Hal Miller.

The company is negotiating with the AEC for authority to construct a processing plant and to this end a group of AEC engineers recently made an economic evaluation of the deposit. The principal shareholders are San Francisco people and they appear to be financially able to go through with a mill project if a decision is made to construct a mill.

# DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

## FIELD ENGINEERS REPORT

Mine **Anderson Mine (Uranium-Aire)**  
**Artillery Mtns., Yavapai County**  
District **Achecoma, Mohave County**

Date **June 25, 1958**

Engineer **Travis Lane**

Subject: **Visit to mine**

Owner & Operator: **Interstate Oil & Development Co.**

General Manager: **Verner Allen**

Res. Manager: **Joe Allen**

At the time of visit the resident manager, Joe Allen, was away on business. Mr. Hal Miller, who has done most of the drilling on the property, was working a dozer on the road repairs, following a recent heavy storm. Mr. Miller showed the writer about the property. He appeared to be well acquainted with the mine and the history of its operation. The following general comments were drawn from conversation with him.

The main camp is located some 3 1/4 miles westerly from Congress, Arizona. The property comprises 420 claims which are blocked with a long axis extending for some 3 miles in a NW-SE direction.

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The workings consist of 4 major pits and a great many cuts and trenches; and some 30,000 feet of drilling has been done. The drilling depth averaged about 30', with a maximum of 500' and minimum of about 20'. The work has indicated a limit of the mineralization on the southeast end, and more or less continuous mineralization from there in a northwesterly trend to the NW end of the property. Width of the ore zone is less clearly indicated. In the mining area it is shown to be at least 600' with indicated further lateral extent. The main ore bed, where pit mined, was overlain by about 18' of overburden and was 3 to 4' thick. Drilling in the floor of the largest pit encountered other ore beds at 20', 35', 78', and 160'. Thickness and grade of these beds is comparable to the main bed except at 78' where a thickness of more than 20' of U<sub>3</sub>O<sub>8</sub> mineralization was penetrated with, however, lower U<sub>3</sub>O<sub>8</sub> content.

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Some of the ore was shipped to the Globe ore buying station of UAEC, but most was sent to the AEC stations at Bluewater and at Grants, New Mexico.

The Commission discontinued purchasing ore from this property in February. The mine was idle at the time of visit and personnel on the ground consisted only

Anderson Mine (cont.)

June 25, 1958  
Page 2

of the aforementioned Joe Allen and Hal Miller.

The company is negotiating with the AEC for authority to construct a processing plant and to this end a group of AEC engineers recently made an economic evaluation of the deposit. The principal shareholders are San Francisco people and they appear to be financially able to go through with a mill project if a decision is made to construct a mill.

1-21-58

LEE HAMMONS - reports

✓ ANDERSON MINE

Mark Lintz, Eng.

✓ INTERSTATE OIL & DEVELOPMENT, Wickenburg, Ariz.

Stripping tertiary lake bed deposits of tuff, mudstone, and opalite. ✓ Uranium contained in carnotite type minerals. Expect to ship to Grants shortly.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine	ANDERSON PROPERTY (Uranium-Aire Mine) ✓	Date	March 22, 1957
District	SANTA MARIA, YAVAPAI COUNTY	Engineer	B. J. Squire
Subject:			

LOCATION: Mine is about 40 miles NW of Congress near the Santa Maria River.

OPERATOR: Interstate Oil & Development Corporation.  
Tom Anderson, Pres. - Wickenburg  
Mr. Gould -  
(Sacramento Money)

PRODUCTION; About 150 tons per week - May increase to 100 T/day. Has 4 trucks.  
Mostly open pit now. Has over 30 showings of ore. Average grade  
0.3% to 0.4%  $U_3O_8$ .

GEOLOGY: See report "American Society of Mechanical Engineers", Paper No.  
57-NESC-28, March 11-14, 1957. (file) →  
pp-6, 7 & 8.  
Uranium occurs in old tertiary lake bed about 30 foot thick horizon  
underlain by bentonite and dipping about 15° into hillside.  
Uranium is irregular.  
  
Ore is carnotite and carnotite in petrified palm roots which are  
hard and take polish. Roots are up to 2 feet in diameter.

Information from MINE INSPECTOR'S OFFICE - August 15, 1957

✓ ANDERSON MINE - 5 Claims, Acha Como Dist., N. YAVAPAI Co. 4-18-56  
*S.W. ?*  
*38 mi. N. of Congress St.*

✓ Interstate Oil & Dev. Co., Reno, Nevada  
Pres. Warren Smith - 130 E. Molino St., Los Angeles, Cal.

C.G. Radd - 156 Montgomery St., San Francisco

✓ Agent - Malcomb B. Gould, Box 424, Wickenburg, Ariz.

W. A. Hays - 156 Montgomery St., San Francisco, Cal.

✓ URANIUM -- 1000 tons per month.

L.A.S.

1. 5-57

*From the desk of*

FRANK P. KNIGHT

✓  
Anderson Mine

Yavapai

Resuming activity. Returning equipment that  
was taken to Wyoming property for the summer.  
Expect to drill, strip & mine.

See: Santa Maria Uranium (file)



URANIUM AIRE, INCORPORATED

Yavapai County, Arizona

Introduction

It was learned that a uranium discovery had been made in the Wickenburg Area in Arizona. Reports were very enthusiastic, with reserves from 150,000 to 400,000 tons of uranium ore.

A visit was arranged on December 3, 1955, with Mr. Tom Anderson at Wickenburg. Mr. Anderson outlined the property while showing some 20 large size aerial photographs of the property. He related that he found the light-colored Tertiary tuff beds while flying January, 1955, with a scintillometer. Upon discovery, he quietly imported personnel from his paint contracting firm in California to aid in digging the discovery pits and staking 130 claims.

Geology

Apparently the tuff beds were water segregated in a lake bed in the vicinity. A surprising continuity exists in the various beds. The ore and mineralization occurs below a cherty or agatized material and above a rather hard calcareous bed. Mineralized outcropping can be traced for several thousand feet. The thickness is disappointing, from 6 inches to 4 $\frac{1}{2}$  feet, predominantly between 6 inches and 12 inches. Two trial shipments were sent to Globe, Arizona, that ran 0.63 per cent U<sub>3</sub>O<sub>8</sub>. The ore was obviously hand-picked; however, there are pods of exceptionally rich uranium ore.

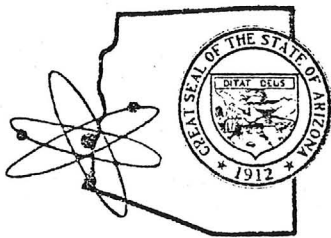
### Land Status

From the available information, there is little question that the 130 claims have been staked and proved properly. No doubt exists as to the title by virtue of staking.

### Conclusion

It was noted during the field examination on December 11, 1955, that the predominantly thin bed of mineralization and ore would be a real mining problem. The overburden averaging about 12 feet would strip off easily, but the dilution would undoubtedly cause the thin bed of ore to be unprofitable. It was decided that the company should wait until early 1956, and attempt an option to drill and prove a more adequate ore picture before entering into negotiations or rejecting the property.

CWA/hjl=12/55



*Anderson mine*

STATE OF ARIZONA  
ATOMIC ENERGY COMMISSION

Eaton Plaza 2929 W. Indian School Road Phoenix, Arizona 85017

Phone: (602) 271-4845

August 14, 1978

John H. Jett, Director  
Department of Mineral Resources  
1826 W. McDowell Road  
Phoenix, AZ 85007

Dear John:

This letter is written regarding my letter dated July 24, 1978 concerning establishing a committee for the purpose of reviewing license applications.

Please find enclosed the application from Minerals Exploration Company.  
We would appreciate having you and/or your designee review this application.

We anticipate having a meeting on or about August 31, 1978, however, you will be contacted in advance as to the specific date and time.

Thank you for your cooperation.

Sincerely,

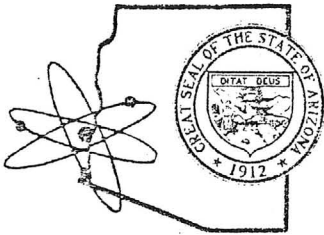
*Don*  
Donald C. Gilbert  
Executive Director

DCG/cp  
Enclosure

✓cc: Ken Phillips

*7 mile north of Congress*

*29 mile  
Route 19  
12 miles*



STATE OF ARIZONA  
ATOMIC ENERGY COMMISSION

Eaton Plaza 2929 W. Indian School Road Phoenix, Arizona 85017

Phone: (602) 271-4845

MEMORANDUM

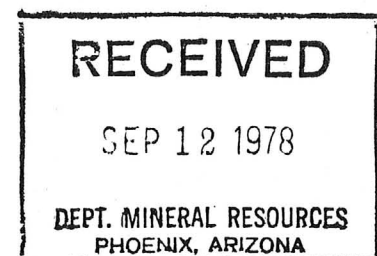
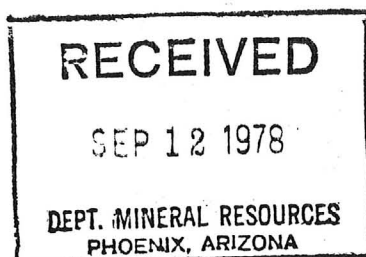
TO: Ad Hoc Committee on Uranium Licensing  
FROM: Donald C. Gilbert *DCG*  
DATE: September 8, 1978  
RE: Rosters

*File  
Uranium  
minerals & fuel  
Commission*

As discussed at our September 6, 1978 meeting, please find enclosed a copy of the members of the Ad Hoc Committee on Uranium Licensing and a copy of the applicants. Please feel free to contact these people directly.

If we can be of service, please do not hesitate to contact our office.

DCG/cp  
Enclosures



AD HUC COMMITTEE ON URANIUM LICENSING

John P. Kellogg  
Arizona State Land Department  
1624 W. Adams  
Phoenix, AZ 85007  
271-4628

Mrs. Mary Ann Niccoli  
Geologist  
Arizona State Land Department  
1624 W. Adams  
Phoenix, AZ 85007  
271-4628

John H. Jett, Director  
State of Arizona Department  
of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, AZ 85007  
271-3791

Ken Phillips  
State of Arizona Department  
of Mineral Resources  
Mineral Building, Fairgrounds  
Phoenix, AZ 85007  
271-3791

Bill Allen  
Oil and Gas Conservation Comm.  
1645 W. Jefferson, Suite 420  
Phoenix, AZ 85007  
271-5161

William G. Fellows  
Special Training Program Coordinator  
Office of the State Mine Inspector  
705 W. Wing, Capitol Building  
Phoenix, AZ 85007  
271-5971

Jerry Cunningham  
Arizona Office of Economic  
Planning and Development  
1700 W. Washington, 4th Floor  
Phoenix, AZ 85007  
271-3303

Tom Jesson  
Photogrammetry and Mapping Services  
Arizona Dept. of Transportation  
206 S. 17th Avenue  
Phoenix, AZ 85007  
261-7258

C. Newell Maughan, Ph.D.  
Industrial Hygienist  
Industrial Commission of Arizona  
1601 W. Jefferson Street  
Phoenix, AZ 85007  
271-5795

Meade Stirland  
Registered Nuclear Engineer  
Bureau of Water Quality Control  
AZ Dept. of Health Services  
1740 W. Adams Street  
Phoenix, AZ 85007  
255-5371

Tibaldo Canez  
Arizona Dept. of Health Services  
411 N. 24th Street  
Phoenix, AZ 85008  
255-1160

Mr. Lloyd Rowe, Manager  
Planning & Special Projects  
Bureau of Air Quality Control  
1740 W. Adams  
Phoenix, AZ 85007  
255-1140

Mr. Barry Abbott, Manager  
Solid Waste Section  
Bureau of Sanitation  
411 N. 24th Street  
Phoenix, AZ 85008  
255-1160

Phil Briggs  
Chief Hydrologist  
Arizona Water Commission  
222 N. Central Avenue, Suite 800  
Phoenix, AZ 85004  
271-7561

Charles R. Eatherly  
Chief of Planning  
Arizona State Parks  
1688 W. Adams Street  
Phoenix, AZ 85007  
271-4174

Wally Vegors  
Arizona State Parks Board  
1688 W. Adams, Room 122  
Phoenix, AZ 85007  
271-4174

Frank Fryman  
Arizona State Parks Board  
1688 W. Adams, Room 122  
Phoenix, AZ 85007  
271-4174

Phil Cospers  
Assistant Director  
Arizona Game and Fish Department  
2222 W. Greenway Road  
Phoenix, AZ 85023  
942-3000

Richard Stevenson  
Arizona Game and Fish Department  
2222 W. Greenway Road  
Phoenix, AZ 85023  
942-3000

Mr. David Rabb  
State of Arizona Bureau of  
Geology and Mineral Technology  
University of Arizona  
Tucson, AZ 85721  
884-1943

PROSPECT OR MINE OFFER  
TO  
SHATTUCK DENN MINING CORPORATION

---

Name of Property ..... Uranium Air, Inc.

. Date Submitted .....

. State ..... Arizona

. County ..... Yvapai

. G.L.O. Location .....

. Map Index No. ....

. Location &  
Size of Holding ..... 130 claims + School Section

. History ..... Discovered by accident by aerial survey Jan., 1955, over a  
Tertiary depression

. Mineral ..... Uranium  
(a) Mineral Reserves .. Stated +150,000 tons  
(b) Basis of Estimate .. Outcrop 2600' long, max. thickness 4'

. Geological Formation ..  
(a) Type of Deposit .. Tertiary volcanic tuffs  
(b) Character ..... Bedded in a basin  
(c) General Remarks .. little evidence of V<sub>2</sub>O<sub>5</sub>

1. References .....

2. Land (Ownership etc.) Staked by McPherson & Anderson

3. Status of Title ..... Apparently clear

4. Terms as Offered .... To be negotiated

5. Realtors & Addresses . Tom. K. Anderson  
Peak Motel  
Wickenburg, Arizona

6. Remarks ..... 10 large companies invited to study property & make terms of a  
deal. S.D.M.C. now added to the list.

7. Action .....

8. Report Prepared By .. C.W.A., 12-3-55