



## **CONTACT INFORMATION**

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10/21/85

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: CLARKDALE SMELTER SLAG DUMP

ALTERNATE NAMES:

JEROME SLAG DUMP  
WEBB & KNAPP STEEL PLANT  
UNITED VERDE SLAG DUMP

YAVAPAI COUNTY MILS NUMBER: 538

LOCATION: TOWNSHIP 16 N RANGE 3 E SECTION 17 QTR. C  
LATITUDE: N 34DEG 46MIN 11SEC LONGITUDE: W 112DEG 05MIN 17SEC  
TOPO MAP NAME: CLARKDALE - 7.5 MIN

CURRENT STATUS: PRODUCER

COMMODITY:

STONE-(M) LIMESTONE CB-PRIMARY

BIBLIOGRAPHY:

REV BY MILS 7-79  
ADMR CLARKDALE SMELTER SLAG DUMP FILE

**Nyal Niemuth**

---

**From:** <Bhawk1@aol.com>  
**To:** <njn22r@hotmail.com>  
**Sent:** Wednesday, June 29, 2005 9:04 AM  
**Subject:** Verde River Iron Company (Hewlett)

Hi,

Verde Rive Iron Company (Fellow named Gunnison) in league with an outfit called Transylvania International, Inc are or plan to conduct an ore refining operation on the site of a historic slag pile ( old copper operation) in Yavapai county..the assessor parcel number is 400-02-004G..town is Clarksdale Ariz.

There is more information the permitting process etc. on "Google". You can bring up the data by typing in Arizona Verde River Iron Company, there are several paragraphs to review.

I was told that Hewlett was their Geologist. There is nothing in the data on Google that mentions Hewlett, I would have thought he would have learned his lesson and stayed our of Arizona.

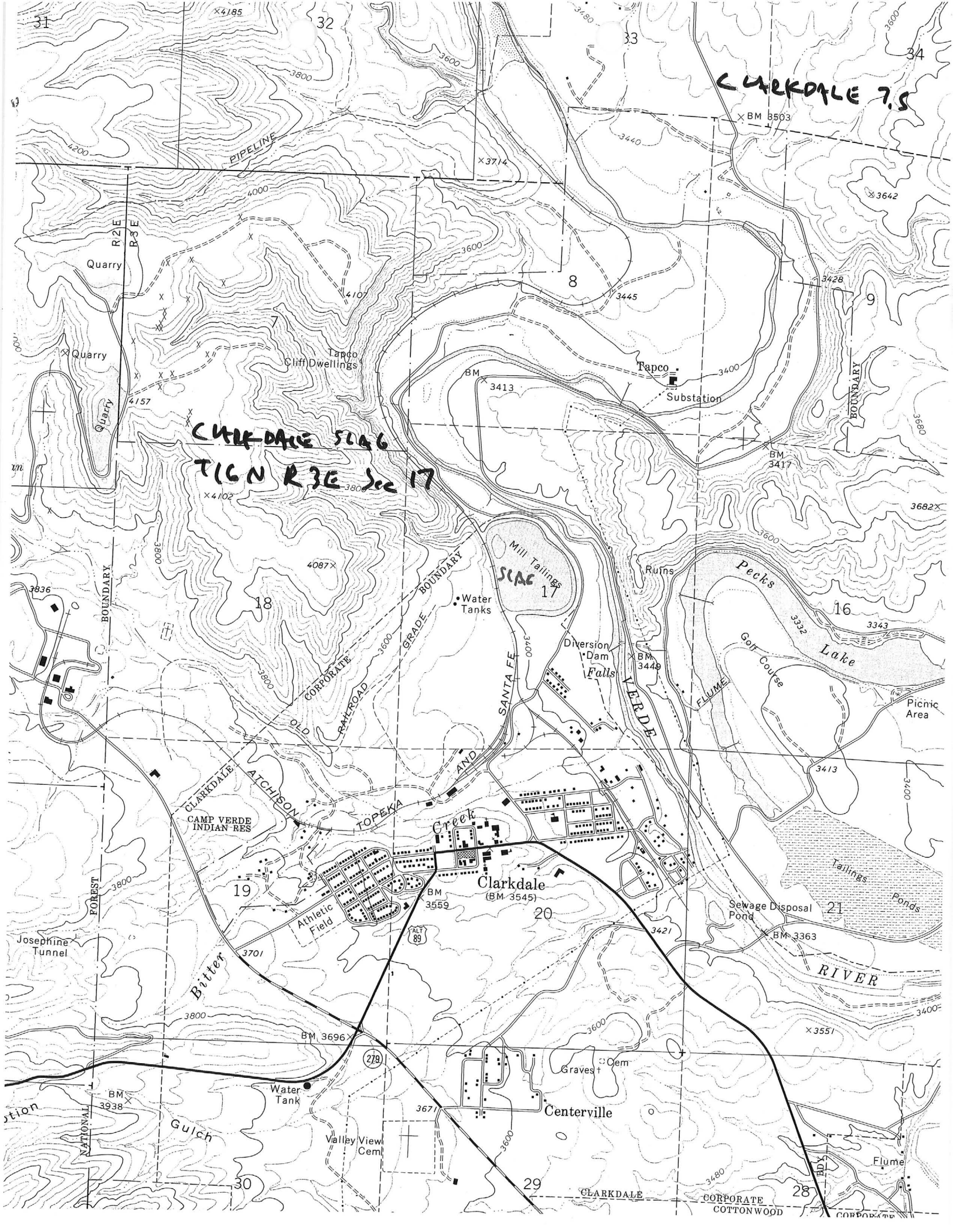
Recently, Hewlett touted an area in California as a great prospect, two fellows one from Texas and the other from Louisiana came out to meet Hewlett at the site and discuss possibilities of leasing or buying the property....When they arrived in California, he put them off, said "he was busy, can't see you for a few weeks." They waited about a week, kept calling him, he never returned their calls and they are pissed....Hewlett didn't own the 10,000 acres he described to them.

Just thought you might want to know he is still lurking....

CLARKDALE 7.5

CLARKDALE SLUG  
T16N R3E Sec 17

Mill Tailings  
SLUG 17



IN PART FROM PDF

Commissioner Dodendorf stated he felt the facility was well laid out and well planned. The secondary containment was adequate to handle any spills, the safety issues were well addressed, the noise level was minimal, the house keeping was neat, the equipment well maintained and not a lot of dust. Commissioner Dodendorf stated it was a well-run operation.

Chairperson Hansen feels the basic operation will be very beneficial to the town. It will eliminate an eyesore, and give access to river front property, which we presently don't have. There are no toxic by products, and no leaching of toxicity. Another feature is that they can use treated water for the project.

Planning Director's Report: Planning Director Steven Brown reported that at the upcoming meeting he would like to discuss the possibility of starting work sessions to explore the issue of commercial zoning in the Town of Clarkdale from a number of different vantage points. Planning Director Steven Brown stated now that the new residential subdivision is moving forward and about to become a reality, the commercial potential will start to increase. He would like to take a look at the commercial zoning and make sure we have properties that are adequately sized, adequately serviced and ready for any commercial applicant, which may come forward. Whenever commercial developers do come forward they don't have to encounter zoning entitlement issues before they can develop.

#### 4. OLD BUSINESS:

**CONTINUATION OF DISCUSSION AND POSSIBLE ACTION ON THE REQUESTED CONDITIONAL USE PERMIT FOR TRANSYLVANIA INTERNATIONAL, INC. TO CONDUCT AN ORE REFINING OPERATION ON THE SITE OF THE HISTORIC SLAG PILE, THE PROPERTY IS OTHERWISE IDENTIFIED AS YAVAPAI COUNTY ASSESSOR'S PARCEL NUMBER 400-02-004G.**

Planning Director Steven Brown read the Staff Report, which follows:

Verde River Iron Company, in partnership with Transylvania International, has submitted a Conditional Use Permit request for a project to reclaim materials from the slag pile.

As directed by the Planning Commission at the February 17 meeting, staff met with representatives from Transylvania International and Verde River Iron Company on March 2, 2004. Discussed in this meeting were several of the questions and concerns expressed by Commissioners and the public at the 2/17 meeting regarding this project.

**MINUTES OF A REGULAR MEETING OF THE PLANNING COMMISSION OF THE TOWN OF CLARKDALE HELD ON MONDAY, MARCH 15<sup>TH</sup>, 2004, IN THE MEN'S LOUNGE, CLARK MEMORIAL CLUBHOUSE, 19 N. NINTH STREET, CLARKDALE, ARIZONA.**

A regular meeting of the Planning Commission of the Town of Clarkdale was held on Monday, March 15<sup>th</sup>, 2004, at 6:00 p.m. in the Men's Lounge of the Clark Memorial Clubhouse.

**Planning Commission:**

Chairperson	Gary Hansen	Present
Vice Chairperson	Susan Sammarco	Present
Commissioners	Lew Dodendorf	Present
	Robyn Prud'homme-Bauer	Present
	Dewey Reiersen	Absent

**Staff:**

Planning Director	Steven Brown
Planner II	Beth Escobar
Admin. Assistant	Linda Noland

**Others In Attendance:** Gerald Lumbas, Victor Sammarco, Harry Crockett, Marcia Crockett, Vonie Gunnison, Bob Gunnison, Larry Martinie, Cheryl Martinie, Jim Wells, Doug Von Gausig, Howard Beck, Elizabeth-Rose Augusto, Georgia Sa and Frank Sa.

**1. CALL TO ORDER:** The meeting was called to order at 6:03 p.m. A quorum was present.

**2. MINUTES:** Commissioner Prud'homme-Bauer: made a motion to approve the minutes of February 9 and February 17, 2004. Commissioner Dodendorf: seconded the motion. The motion passed unanimously.

**3. REPORTS:**

**Chairperson's Report:** Chairperson Gary Hansen reported he and Commissioner Dodendorf and Planner II, Beth Escobar, went to Phoenix on March 12, 2004 to observe the operation that is relative to the product the applicants are going to try to achieve here. Chairperson Hansen felt the operation was very impressive and had no negative thoughts on the project.

On page 3 of the applications, in a letter from Robert Gunnison, President of Verde River Iron Company, he states, in the second paragraph, "*The first Phase will process up to 2,000 tons per day and will be done within the existing buildings*"

On page 7, is the "Basic Flow Description" for the project, which shows all Crushing and Grinding and other processes being conducted within the "Building Perimeter", and the slag being delivered via an "Enclosed Dust Proof Conveyor"

**Recommendation:**

As in our previous report, staff still feels that consideration of this project should be tabled until all staff and agencies have had ample opportunity to comment on the proposal, and until the applicants have made the required modifications to the site plan.

However, if the Design Review Board votes to approve the application for Site Plan Review by Verde River Iron, the Community Development Department wishes to withdraw its recommended condition 11 as listed below.

*11. "Excavation on the slag pile shall be restricted to the hours between sunrise and sunset."*

Staff also wishes to add a condition a new condition 11 as follows:

*11. Prior to the signing of the site plan by the Design Review Board Chairman, the applicants shall modify the site plan to indicate that the conveyor shall be an "Enclosed Dust Proof Conveyor", and specifications as to the dust inhibiting features of the conveyor enclosure, which inhibit the discharge of dust, shall be submitted to the Community Development Department. These specifications shall be forwarded to the Town Engineer for review and approval.*

The complete, revised list of conditions recommended by staff is the following:

1. Verde River Iron shall provide evidence of having applied for and obtained a Determination of Applicability (DOA) from the Department of Environmental Quality for this project prior to the approval of the site plan.
2. Verde River Iron shall apply for and obtain a Grading Permit for the project prior to the commencement of excavation on the site.
3. Verde River Iron shall dedicate to the Town of Clarkdale, a 100-foot Right-of-Way from the entrance to the smelter to their western property boundary, along an alignment surveyed by the Town of Clarkdale, for the purposes of construction of an alternate route to Cement Plant Road.
4. Verde River Iron shall pay for half of the cost of that survey.
5. Verde River Iron shall be responsible for the construction of a roadway that meets the Town of Clarkdale standard for a Class II, Industrial Road, as is specified in the Town of Clarkdale Subdivision Regulations, and to include a four (4) foot sidewalk on at least one side. Said roadway shall be designed and constructed within the 100 foot Right-of-Way provided. Verde River Iron shall be responsible for obtaining all necessary permits for the crossing of Bitter Creek.

6. Verde River Iron shall, at a time to be later specified by the Town of Clarkdale, dedicate to the Town of Clarkdale, the property on which Cement Plant Road is constructed.
7. Verde River Iron shall participate financially in the design and construction of improvements to Cement Plant Road, to an extent that is proportionate to their acreage being served by said road.
8. Verde River Iron shall have received all necessary permits from the Arizona Department of Environmental Quality prior to the issuance of any Certificates of Occupancy for any of the structures being utilized as part of this project, and prior to any excavation on the slag pile.
9. Prior to the signing of the Site Plan by the Design Review Board Chairman, Verde River Iron shall:

Provide the Community Development Department with a water budget, those details where water is used in the various stages of the project, and where water is lost and through what mechanism (evaporation, discharge, steam, etc.).

Modify their site plan to:

- a) Include information on the connection point to the Town sewer system for all but the process water. Process water proposed to be discharged to the Town's system, must first be pretreated in accordance with specifications provided by the Town or their designee.
  - b) Include all existing and proposed utilities, to be reviewed and approved by the Community Development Department, and any other appropriate staff and/or outside agency, prior to the signing of the Site Plan by the Chairman of the Design Review Board. All electrical utility lines shall be placed underground.
  - c) Include the location of disposal of any and all solid wastes, including waste that is a bi-product of the process. Verde River Iron shall also provide estimates of the quantities of solid wastes that will be generated by the process
  - d) Tie proposed contours into the existing contours. Show how the surface storm water runoff will be diverted from the excavated site.
  - e) Label property as to ownership (i.e. Transylvania International, Inc.)
  - f) Show the access ramp into the excavated area.
  - g) Provide structural analysis of the material stability.
  - h) Show conveyor details, which will have to be reviewed by Building Safety (i.e. structural design for support system).
  - i) Provide an electrical layout for the lighting system.
  - j) Provide a health and Safety Plan.
  - k) Provide an Emergency Response Plan.
10. Prior to the signing of the Site Plan by the Design Review Board Chairman, the Fire Marshall shall have approved the plans for fire protection, and the containment measures for the hazardous chemicals stored on the site and used in the process.
  11. Prior to the signing of the site plan by the Design Review Board Chairman, the applicants shall modify the site plan to indicate that the conveyor shall be an "Enclosed Dust Proof Conveyor", and specifications as to the dust inhibiting features of the



conveyor enclosure, which inhibit the discharge of dust, shall be submitted to the Community Development Department. These specifications shall be forwarded to the Town Engineer for review and approval.

12. All processing of slag shall be accomplished within sound insulated structures, and no grinding or other manipulation of the slag shall be allowed to be carried on outside of enclosed buildings that are not sound insulated.

13. The Site Plan shall not be signed until Town of Clarkdale Public Works, Town Engineer, Fire, Police have approved the plans.

14. The Site Plan shall not be signed until the Yavapai County Flood Control has approved the plans.

15. Verde River Iron shall use effluent in their process unless and until it becomes unavailable from the Town of Clarkdale.

16. Verde River Iron shall provide, prior to signing of the Site Plan, information on security to be maintained at their site, specifically related to storing and retaining of hazardous materials on site.

17. Applicant shall provide a dust control plan prior to signing of the Site Plan.

18. The applicant may conduct grinding and crushing outside of the existing structures or newly constructed soundproof structures, after having first obtained approval of a modification to the stipulations of approval of the Conditional Use Permit for this project from the Town Council of the Town of Clarkdale.

**Applicant:** Harry Crockett and Reynold Radoccia made a presentation for the Verde River Iron Site Plan. There was a review of the buildings that would be used, parking and traffic flow. Mr. Radoccia stated on the plans they were reviewing for the Board, the processing of the slag would be indoors, the conveyor is not covered and the grinders are not in an enclosed building. Mr. Crockett and Mr. Radoccia also reviewed noise and dust issues. The applicant began to go over each recommendation made by staff. The applicant did not agree with several staff recommendations and also requested that the required information be submitted with the building permit application. The Site Plan Review requires the information be submitted before the Site Plan can be approved by the Board. There was also confusion as to what had originally been stated on the CUP that was presented to the Town Council regarding the grinding and processing being conducted indoors or outdoors. There were too many outstanding issues to continue the Site Plan Review. Chairperson Knight closed the applicant presentation.

**Public Comment:** The Chairperson opened Public Comment.

Steve Wombacher, 710 Third North. Mr. Wombacher stated he was not against improvements or progress, but has concerns regarding his life styles. Mr. Wombacher was in opposition of the hours that business would be conducted because of the noise.

John Christensen, 618 Third North. Mr. Christensen stated he was going to improve his home, but now has concerns that the value of his property would decrease because of this project.

Robyn Prud'homme Bauer, 1750 Cholla Lane. Ms. Prud'homme Bauer stated she hoped this review could move along quickly because this project is very important for Clarkdale. This will help the economic base, it's jobs, making a good, sound economic base for Clarkdale.

**Board Decision:** Board member Chaikin motioned to table this item until April 20<sup>th</sup>, 2005, at 6:30 p.m. to allow the applicant and staff to resolve outstanding issues. Board member Stevens seconded the motion. The motion was passed unanimously.

**8. DISCUSSION AND POSSIBLE ACTION** – on Hardscape Design Standards. Board member Bauer motioned this item be tabled until next meeting. Board member Stevens seconded the motion. The motion passed unanimously.

**9. ADJOURNMENT:** Board member Chaikin motioned the meeting adjourn. Chair Knight seconded the motion. The motion was unanimous. The meeting adjourned at 10:43 p.m.

**APPROVED BY:**

**SUBMITTED BY:**

\_\_\_\_\_  
Ed Knight  
Chairperson

\_\_\_\_\_  
Charlene Stockseth  
Administrative Assistant

Clarkdale Smelter Slag Dump (file)

Ken A. Phillips

April 9, 1999

Yavapai County

The following 6 pages called the "Arnal Fax" were received as part of a verbal inquiry regarding base and precious metal content of smelter slag from the Clarkdale Smelter near Clarkdale, Arizona. The inquirer was concerned about some of the "unbelievably high values" that were reported. The Clarkdale smelter processed ores and concentrates from the United Verde Mine (at Jerome) and other base-precious metals mines in Arizona.

Readers of the attached reports should feel free to discuss these or any other mineral resource information with the Arizona Department of Mines and Mineral Resources technical staff or their own qualified engineers.

# CONFIDENTIAL AND PRIVATE FACSIMILE TRANSMITTAL

DATE: 4-9-99

**PLEASE DELIVER THE FOLLOWING PAGES TO:**

NAME: Only Sawyer

COMPANY NAME: \_\_\_\_\_

CITY & STATE: \_\_\_\_\_

FAX: 602-255-3777

FROM: Carl Arnal

CLIENT: \_\_\_\_\_

Number of Pages (Including Cover): 3 5

Original to Follow - Yes or No: NO

Message: We meant to send these as well

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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**Thank You And Have A Great Day!**

*Arnal For page 2 of 7*

Clarkdale Slag (file)



# COMMERCIAL TESTING & ENGINEERING CO.

GENERAL OFFICES: 1919 SOUTH HIGHLAND AVE., SUITE 210-B, LOMBARD, ILLINOIS 60148 • TEL: 630-853-3000 FAX: 630-853-8308



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BUILDING #4  
GOLDEN, CO 80403  
TEL: (303) 277-1377  
FAX: (303) 278-4368

## REPORT OF ANALYSIS

TO: RESOURCE DEVELOPMENT INC.

JOB: 99RD0186

### PRELIMINARY

Page 1 of 1

Elem.  
Meth.  
Units  
D. L.

Ag FAG32 ppm 2	Au FAG32 ppm 0.02	Cu A50_1 ppm 100	Zn A50_1 ppm 100
-------------------------	----------------------------	---------------------------	---------------------------

0001 98011 #1  
0002 99011 #17B

<2	0.22 0.20	3899 8152	2.50% 2.62%
----	--------------	--------------	----------------

We are rechecking this silver.  
It looks to be low like #2.

03  
04

3899  
1,000,000  
100

PRELIMINARY  
FINAL

indicates that results may change due to check assaying,  
indicates final results.

Respectfully submitted,  
COMMERCIAL TESTING & ENGINEERING CO.

*SK*  
Golden Laboratory



OVER 40 BRANCH LABORATORIES STRATEGICALLY LOCATED IN PRINCIPAL COAL MINING AREAS, TIDEWATER AND GREAT LAKES PORTS, AND RIVER LOADING FACILITIES

P-402  
Original Watermarked For Your Protection

TERMS AND CONDITIONS ON REVERSE

Assal For page 3 of 7

MARK-24-1999 04:55

LUNA geochemical

303 232 5124 P.08/03

**CONE**  
**GEOCHEMICAL INC.**  
 810 Quail Street, Suite 1  
 Lakewood, Colorado 80215  
 (303) 232-8371

# COPY

Job 99-0208  
 23-Mar-99  
 Page 1

## FIRE ASSAY REPORT

Deepak Malhotra  
 Resources Development Inc.  
 11475 W. I-70 Frontage Rd. N.  
 Wheat Ridge, CO 80033

PO # SMITH ADJU  
 PROJECT  
 99-011

SAMPLE NUMBER	OZ/TON GOLD	OZ/TON SILVER
# 1	0.005	0.06
# 2	0.003	<.05
# 3	0.003	0.09
# 4	0.003	0.07
# 5	0.006	0.17
# 6	0.003	0.13
# 7	0.003	0.14
# 8	0.005	0.21
# 9	0.004	0.13
#10	0.008	0.29
#11	0.002	0.10
#12	0.004	0.18
#13	0.008	0.10
#14	0.004	0.18
#15	0.003	0.16
#16	0.002	0.11
#16A	0.004	0.08
#16B	0.002	0.11
#17	0.004	0.05
#17A	0.004	0.11
#17B	0.004	0.12
#18	0.004	<.05
#19	0.003	0.07
#20	0.005	0.13

METHOD

FA/LAT

FA/LAT

  
 Steve Cone, General Manager

TOTAL P.08

*Annual Fax page 4 of 7*



11475 West I-70 Frontage Road North, Wheat Ridge, CO 80033  
 Phone: (303) 422-1176 FAX: (303) 424-8580

**FACSIMILE COVERSHEET**

**TRANS NO. :** **TO :** Smith International  
**SEQ NO. :** **ATTN :** Mr. H. Smith  
**DATE :** April 8, 1999 **FAX NO. :** 919-499-9159  
**TIME :** **FROM :** Edwin Bentzen  
**TOTAL PAGES :** 2 **RE :** Preliminary Analysis  
INCLUDING COVERSHEET

Dear Mr. Smith:

The following page is a copy of the final results of the check analysis of one of the sample collected from the "Slag Pile" in Arizona. The following table summarizes the results of the analysis of gold, silver, copper, and zinc obtained on the same material from the other laboratories.

<u>Laboratory</u>	<u>Analysis of Sample #17-B</u>			
	<u>Gold</u> <u>oz/t</u>	<u>Silver</u> <u>oz/t</u>	<u>Copper</u> <u>%</u>	<u>Zinc</u> <u>%</u>
Mineral Lab	Not Analyzed	Not Analyzed	0.843	2.84
Cone GeoChemical	0.004	0.12	Not Analyzed	Not Analyzed
CT&E	0.006	0.06	0.815	2.62
Ledoux	0.002	0.235	0.673	2.60

Prior to shipment of the sample to Ledoux, the material was re-pulverized from 99% passing 100-mesh, to a size of 99% passing 200-mesh.

All the results will be included in our final report.

cc: Carl Arnal, telefax 800-528-6836  
 Dan Rodius, telefax 702-699-5469

*Arnal Fax page 5 of 7*



11475 West I-70 Frontage Road North, Wheat Ridge, CO 80033  
Phone: (303) 422-1176 FAX: (303) 424-8580

### FACSIMILE COVERSHEET

TRANS NO. : TO : Public Adjusters

SEQ NO. : ATTN : Mr. Carl Arnal

DATE : March 30, 1999 FAX NO. : 800-528-6836

TIME : FROM : Edwin Bentzen

TOTAL PAGES : 2 RE : Preliminary Analysis  
INCLUDING COVERSHEET)

Dear Mr. Arnal:

The following page is a copy of the results of the check analysis of two of the samples collected from the "Slag Pile" in Arizona. The analytical company is re-checking the results of the silver assay on one sample, but it appears to be low (in the range of less than 2 ppm)

The two samples, #1 and #17B reported in our telefax of March 30 (Cone GeoChemical Inc.) as containing the following values,

	Oz/Ton Gold	Oz/Ton Silver
Sample #1	0.005	0.06
Sample #17B	0.004	0.12

The values reported in the following page are in parts-per-million (ppm). To convert from ppm to oz/ton you should multiply by 0.03215. Employing this factor the gold assays will be 0.007 oz/t, and 0.006 oz/t for samples #1 and #17B respectively, with no silver. As these numbers are nearly identically to the values reported by Cone GeoChemical Inc. the remainder of the values reported in the Cone Fire Assay Report Dated 23-Mar-99, can be considered final.

We are still awaiting the results of the analysis being conducted by Ledoux and Company. When these results are received we will forward them to you. All the results will be included in our final report.

cc: Harold Smith, telefax 919-499-9159  
Dan Rodus, telefax 702-699-5469

*Arnal Fax page 6 of 7*



**Certificate of Analysis**  
**Resource Enhancement, Inc**

**Mountain States**  
**R&D International, Inc.**

CERTIFICATE NO. 98-1447-M  
 PROJECT NO. 1378  
 DATE 03/24/98

MSROI NO.	SAMPLE IDENTIFICATION	Cu %	Zn %	Fe %	Au Oz/T	Ag Oz/T	RERUNS	
							Au Oz/T	Ag Oz/T
1422	CS-1	0.38	2.37	30.1	6.620	2.02	8.55	ND
1423	CS-2	0.30	3.22	34.2	0.004	0.10		
1424	CS-3	0.43	2.91	35.3	0.018	0.22		
1425	CS-4	0.45	3.43	37.4	3.980	3.39		
1426	CS-5	0.44	2.52	33.2	1.938	0.74		
1427	CS-6	0.36	2.12	34.8	0.008	0.18		
1428	CS-7	0.43	2.44	34.7	0.008	0.14		
1429	CS-8	0.44	3.55	38.8	0.004	ND		
1430	CS-9	0.42	2.01	35.7	3.680	1.29		
1431	CS-10	0.93	2.12	36.8	5.164	1.30		
1432	CS-11	0.32	1.89	32.4	0.008	0.23		
1433	CS-12	0.34	2.23	35.2	0.008	0.19		
1434	CS-13	0.42	4.61	33.3	1.584	1.35		
1435	CS-14	0.39	2.00	32.4	8.460	0.49	7.81	ND
1436	CS-15	0.42	2.53	38.2	0.412	ND		
1437	CS-16	0.28	2.92	37.1	0.008	ND		
1438	CS-17	0.53	2.51	34.4	0.008	0.11		
1439	CS-18	0.34	2.03	35.7	0.020	0.25		
1440	CS-19	0.22	2.71	31.2	9.298	0.51	9.77	0.16
1441	CS-20	0.36	3.18	35.3	0.016	0.23		

**STATEMENT OF CHARGES INVOICE TO FOLLOW.**

ND (None Detected)

20 Rush Cu @	\$9.00	=	\$180.00
20 Rush Zn @	\$9.00	=	\$180.00
20 Rush Fe @	\$15.00	=	\$300.00
20 Rush Au & Ag @	\$15.00	=	\$300.00
20 Prep. Charge	\$7.50	=	\$150.00
<b>Total Charges:</b>			<b>\$1,110.00</b>

520-762-9715  
 520-520-762-5364



*Asnal Fax page 7 of 7*

CLARKDALE SMELTER SLAG DUMP

YAVAPAI COUNTY

NJN WR 9/14/84: Graham Sutton of Phoenix visited and reported that he and some partners have been cleaning out the tailings pipeline of the Clarkdale Smelter (Clarkdale Smelter Slag Dump) (f) Yavapai County. They have 61 tons of material stockpiled which runs 3 oz Au/ton.

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KAP WR 10/5/84: Keith Jay of Transylvania International (Clarkdale Smelter Slag Dump (file) is investigating possible uses for the copper smelter slag on their properties.

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KAP WR 9/18/87: Ron Hanna reported he was finally able to learn a little about Translyvania's (card) operations at the Clarkdale smelter slag dump (file), Yavapai County. Apparently they had been "sold a story" about all of the precious metals supposedly recoverable from the slag. After spending over a million dollars they have given up and concluded there is nothing worth recovering in the slag.

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AKA: JEROME SLAG DUMP, WRAY PETROLEUM, WEBB & KNAPP STEEL PLANT, UNITED VERDE SLAG DUMP

MILS Yavapai Index # 538 (Jerome Slag Dump)

CJH WR 2/6/80: Robert Wray, President, John Torongo, Director and W. J. Hacht, Scottsdale, Arizona, Ph- 949-5335. The company has purchased the slag dump at Jerome. They want to conduct a study of the slag for 1) recovery of precious metals, 2) recovery of iron, 3) use as highway or railroad ballast. Suggested they contact Mountain States Mineral Enterprises in Tucson. A rough calculation indicated about 21,000,000 tons of slag in the dump

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KAP WR 4/20/84: Ron Hanna reported a firm by the name of Transylvania has supposedly purchased the Clarkdale smelter site and slag dump for \$2,300,000. Purportedly they are going to employ 300 - 400 workers to recover gold and silver and manufacture abrasives from the slag.

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NJN WR 4/27/84: Ron Hanna reported that a Transylvania Corp. is leasing the slagpile at Clarkdale Smelter Slag Dump (file) Yavapai County and processing it to recover precious metals and provide material for sand blast use.

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KAP WR 8/31/84: A representative of Hurley Trucking called for information regarding Transylvania International Incorporated, Clarkdale, Az., phone 634-2266 at the Clarkdale Smelter Slag Dump (file) site in Yavapai County. Transylvania has reportedly purchased crushing equipment at an auction in Cedar City, Utah which is to be hauled to the Clarkdale site.

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KAP WR 9/7/84: Jim Hansink of Rock Mtn Energy, P O Box 2000, Broomfield, Colorado 80020, phone (303) 469-8844 reported the results of analysis of slag from the Clarkdale Slag Dump, Yavapai County. Results are as follows:

Arsenic	73 ppm	Zinc	3.16%
Cadmium	0.003%	Sulfur as SO <sub>4</sub>	0.034%
Cobalt	0.015%	Iron as Fe <sub>2</sub> O <sub>3</sub>	43.3%
Copper	0.512%	Alumina as Al <sub>2</sub> O <sub>3</sub>	8.4%
Lead	0.145%		

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES

FIELD VISIT

1. Information from: Ken Phillips, Chief Engineer
2. Mine or property name: Clarkdale Slag Dump
3. ADMMR Mine File: Clarkdale Smelter Slag Dump
4. County: Yavapai
5. MILS Number: 538
6. Operation Status: Idle
7. Summary of information received, comments, etc.:

Briefly stopped by the Clarkdale Smelter Slag Dump. The offices and yard of Transylvania International appeared idle. Although the fence and locked gate are intact, there does not appear to be any sign of coming and going.

The high voltage public service power hookup has been disconnected.

Date: November 29, 1989

Ken Phillips

FIELD VISIT TO:

August 30, 1984

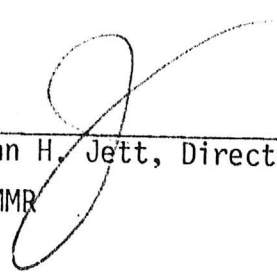
Transylvania International  
P O Box 847  
Foot of Broadway  
Clarkdale, Arizona 86324  
Ph: 634-2266

Mr. Zolton Jaszberenyi - Owner  
Anita P. Morgan - Executive Secretary  
Mel Hendrickson - Plant Manager

Data obtained from Mr. Morgan and Mr. Hendrickson.

The company purchased all of Phelps Dodge's holdings in Clarkdale, including the smelter slag dump and buildings and the south half of the downtown business district (one block).

There are no definite plans for processing slag. They stated they are aware of the rumor on their producing an abrasive material. They do not know how it started. At this time Mr. Hendrickson looks at the slag dump as an "alloy pit." His concern now is to build good offices and shops so they will have good working quarters. They do have a small crushing plant for lab testing work. It was repeated several times they are not ready or even near ready for production. They do not know which way they will go. They will investigate any and all uses for slag including rock wool and abrasives. Nothing was mentioned about precious metals. Mr. Hendrickson would appreciate a visit with any of our engineers familiar with copper slag use in Arizona.

  
\_\_\_\_\_  
John H. Jett, Director

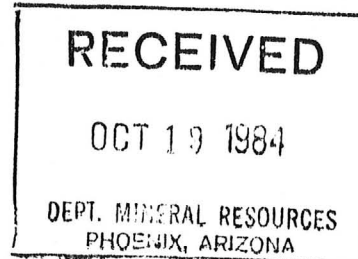
ADMMR

(USE OF THIS ) MINERAL RESOURCES DEPT. PHOENIX

AK  
MPS

# Transylvania International

P.O. Box 847  
Foot of Broadway  
Clarkdale, Arizona 86324  
(602) 634-2266



October 3, 1984

Mr. J. M. Robertson  
Smelter Superintendent  
Phelps Dodge Corporation  
New Cornelia Branch  
Ajo, Arizona 85321

Dear Mr. Robertson:

We were recently informed that you had performed analyses on slag over the period 1979-81 in conjunction with Mr. Ken Phillips for American Rock Wool.

We are also in the slag processing business and would appreciate your letting us know what equipment and methods were used in these analyses.

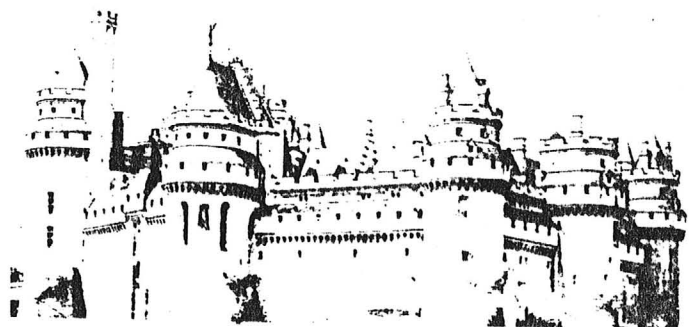
We hope that it is feasible for you to respond to our request.

Yours very truly,

A handwritten signature in cursive script that reads "Keith Jay".

Keith Jay  
Chemist

KJ/aa





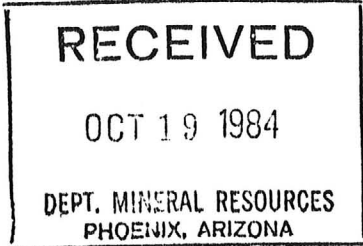
Corporation New Cornelia Branch, Ajo, Arizona 85321

Put in *cutting the surface  
5000 down ALE*

*gk  
msb*

October 17, 1984

Mr. Keith Jay, Chemist  
Transylvania International  
P. O. Box 847  
Clarkdale, Arizona 86324



Dear Mr. Jay:

In response to your letter of October 3, 1984, I am uncertain as to what to recommend for slag analysis. Undoubtedly, Mr. Phillips has informed you that our slag is produced by a Copper Smelter. Slag analyses are performed everyday and have been for over thirty years. The analyses for the period you refer to was just a compilation of the annual average results of the daily slag analyses.

The methods used to determine the various elements or compounds are standard methods from "Scott" or an equal treatise on analytical procedures. However, in recent years more procedures are using AA for low concentrations.

I realize I haven't answered your question, however, without knowing what you are looking for in slag, it is difficult to tell you how to find it.

Thank you for your interest in Phelps Dodge.

Very truly yours,

John M. Robertson  
Ore Buyer  
Western Operations

JMR/sb  
cc: K Phillips ✓  
File

W. J. HACHT & ASSOCIATES  
P. O. Box 1209  
Scottsdale, Arizona 85252  
(602)949-5335

J. R. Torongo  
(614)891-6401

September 28, 1979

Ataka America Inc.  
875 N. Michigan Ave.  
Chicago, Ill. 60611

Attention: Purchasing Agent - Mineral

Dear Sir:

We have over 20,000,000 tons of smelter slag located at Clarkdale, Arizona, approximately 105 miles north of Phoenix, Arizona.

This slag material was the result of operations of the Verde Mine which was the largest open pit mining operation in the world and was accumulated from 1888 until the time it shut down in 1965.

We are interested in selling this material as is or, in the event the buyer would like to purchase only certain minerals, such as iron, this can be arranged. You will note from the analysis that the major constituent,  $Fe_2O_3$ , will average between 45-50%. We have contacted the major supplier, The Eriez Magnetics Co., who have given us preliminary estimates of separating and upgrading iron content by 20-30% using their separators.

So that you can further evaluate the contents of this slag pile, we are including a spectographic analysis showing the different elements - also a chemical analysis done by Phelps Dodge. In addition, we are including documentation from the State of Arizona Dept. of Mineral Resources which shows that there were over 30,000,000 tons of ore processed and the actual minerals that were taken from the Verde Mine. This can be further verified by the Geological Survey Professional Paper 308 on "Geology and Ore Deposits of Jerome Area."

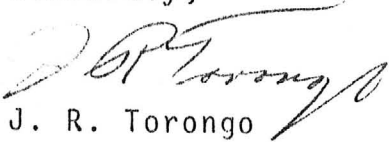
The Atchison-Topeka-Santa Fe Railroad has a siding onto our property. We feel that because of the excellent transportation facilities available from Arizona to the West Coast you would be interested in the possibilities of exporting to Japan.



Ataka America Inc.  
September 28, 1979  
Page Two

We are very flexible in regard to negotiating some agreement that would be beneficial to you. If you desire further discussions, please contact me or W. J. Hacht at the above numbers and we will be happy to set up an appointment with you either at your offices or in Arizona.

Sincerely,



J. R. Torongo

JRT/pm  
Enclosures

WEBB & KNAPP STEEL PLANT

YAVAPAI COUNTY  
CLARKDALE

William Zeckendorf's WEBB & KNAPP, INC., may finally be coming out of the woods. Its stock went to a five-year high at 2 $\frac{1}{2}$  this week on rumors that W&K would shortly get a much-needed infusion of about \$40-million in new debt capital from a syndicate headed by London merchant bankers Philip Hill, Erlangers, Ltd., plus the purchase of at least 3-million authorized but un-issued shares of W&K stock. Meanwhile, Zeckendorf is said to be face-lifting his board. Former Treasury Secy. Robert B. Anderson is among those being mentioned.

Taken from BUSINESS WEEK MAGAZINE - Dec. 23, 1961, p 90

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# ARC LABORATORIES

Division of Applied Research Consultants Inc.

917 W. HATCHER ROAD PHOENIX, ARIZONA

WINDSOR 3-3573

FOR: Mr. Robert E. S. Thompson  
Webb & Knapp, Inc.  
383 Madison Ave.  
New York 17, N. Y.

DATE April 13, 1959

LAB No. 5541

## Analyses of Clarkdale Slag Samples

Page 2  
RESULTS

Sample	SiO <sub>2</sub> %	FeO %	Al <sub>2</sub> O <sub>3</sub> %	Ca %	Zn %
8	32.36	46.48	6.3	0.53	3.3
9	32.02	44.91	6.6	0.37	1.8
10	31.54	44.56	7.5	0.47	2.4
11	31.56	42.77	7.9	0.59	2.7
12	34.30	41.17	7.2	0.59	3.2

Respectfully submitted,

ARC LABORATORIES

George G. Olson Ph.D.

# Landmark

April 10, 1981

Mr. W. J. Hacht

Box 1209

Scottsdale, Arizona 85252

Dear Bill:

As per your request, this is to confirm our telephone conversation of April 7th, that the April 7th, May 7th, option payment will be made together with the June 7th payment on, or before, June 7th, 1981, the total payment being \$30,000. The extension of the option payment is hereby granted.

I shall attempt to recap the status as it exists between Landmark Land (o. and yourself with the (Larkdale Properties.

My February 27, 1981 letter which included the update and Certified Resolution by the Board of Directors, dated February 23, 1981 extending your option of July 27, 1979; with the \$30,000 payment made February, our audit shows a total of \$270,000 has been paid from August 1, 1979 thru April 7, 1981.

Our July 27, 1979 Option Agreement states, "Upon the payment of \$500,000, this would be considered a down payment and you would own outright 15% of the slag pile. The balance would be paid in five annual payments of \$500,000 plus interest at 10% per annum (full prepayment, without penalty, shall be allowed.)"

I would like to resolve and exercise this option on or before August 7, 1981. With your June 7, 1981 payment of \$30,000, you would have a total of \$300,000 paid into Landmark Land (o. leaving a balance of \$200,000 required to complete your down payment of \$500,000. You would own outright 15% of the slag pile, plus the rental income from the commercial buildings (1980 Income was approximately \$56,000.)

Let us try and close this Escrow Bill as soon as possible. We know money as tight as it is everyone has had their timetables set back. Good Luck!

PT/mj

PHILLIP D. TOMLINSON, Vice President

Yours truly,  
*Phil Tomlinson*  
Phil Tomlinson

PATSY C. JENNEY County Recorder  
By Jinda Weedon Deputy

NOTICE OF OPTION

The land referred to in this option is that certain parcel of land situated in Sections Seventeen, Eighteen, Nineteen and Twenty, Township Sixteen North, Range Three East of the Gila and Salt River Base and Meridian, Yavapai County, Arizona, and part lying within the corporate limits of the Town of Clarkdale, as set out in instrument recorded July 2, 1957 in Book 102 of Official Records, page 109-111.

This agreement is to provide W. J. Hacht or his nominee, an option on all of the land (Approximately 1300 acres) and improvements of Landmark Land Co. and Clarkdale Realty, in the general area of Clarkdale, Arizona including the buildings owned in the Business District of Clarkdale, and the buildings at the smelter site and the copper slag pile of approximately 30,000,000 tons adjacent to the City situated on 43 acres.

W. J. Hacht shall have the right of access to the property for inspection, surveying, testing, experimental processing, sampling or similar purposes. A reasonable amount of slag may be removed from the property for the purposes; but not for resale. This should be subject to your furnishing the evidence of liability insurance to our satisfaction, and to satisfy yourself as to our title on approximately 1300 acres and that any mineral rights previously reserved do not affect the slag pile or sand and gravel rights.

CERTIFICATE

RESOLUTION OF THE BOARD OF DIRECTORS OF LANDMARK LAND COMPANY, INC., WITH A QUORUM PRESENT AND VOTING.

"RESOLVED, That the Corporation in entering an option for the sale of all the land and improvements in Clarkdale, Arizona, owned by the Corporation, or by its wholly-owned subsidiary, Clarkdale Realty, Inc., on the terms and conditions of said option agreement which were this date outlined to the Board of Directors be, and they hereby are, in all respects ratified and approved."

I, Lowery Bea Roselle, Secretary of Landmark Land Co. Inc., do hereby certify that the foregoing is a true and correct copy of a resolution adopted by the Board of Directors of Landmark Land Company, Inc., with a quorum of the Board of Directors present and voting, after having received due notice of said meeting, and that said resolution has not since been rescinded or modified.

S/Lowery Bea Roselle, Secretary

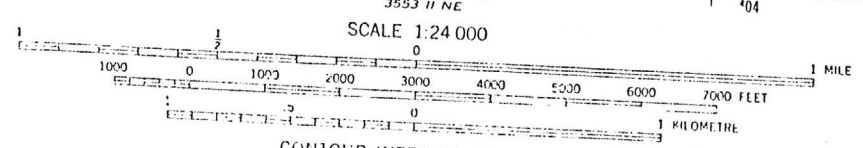
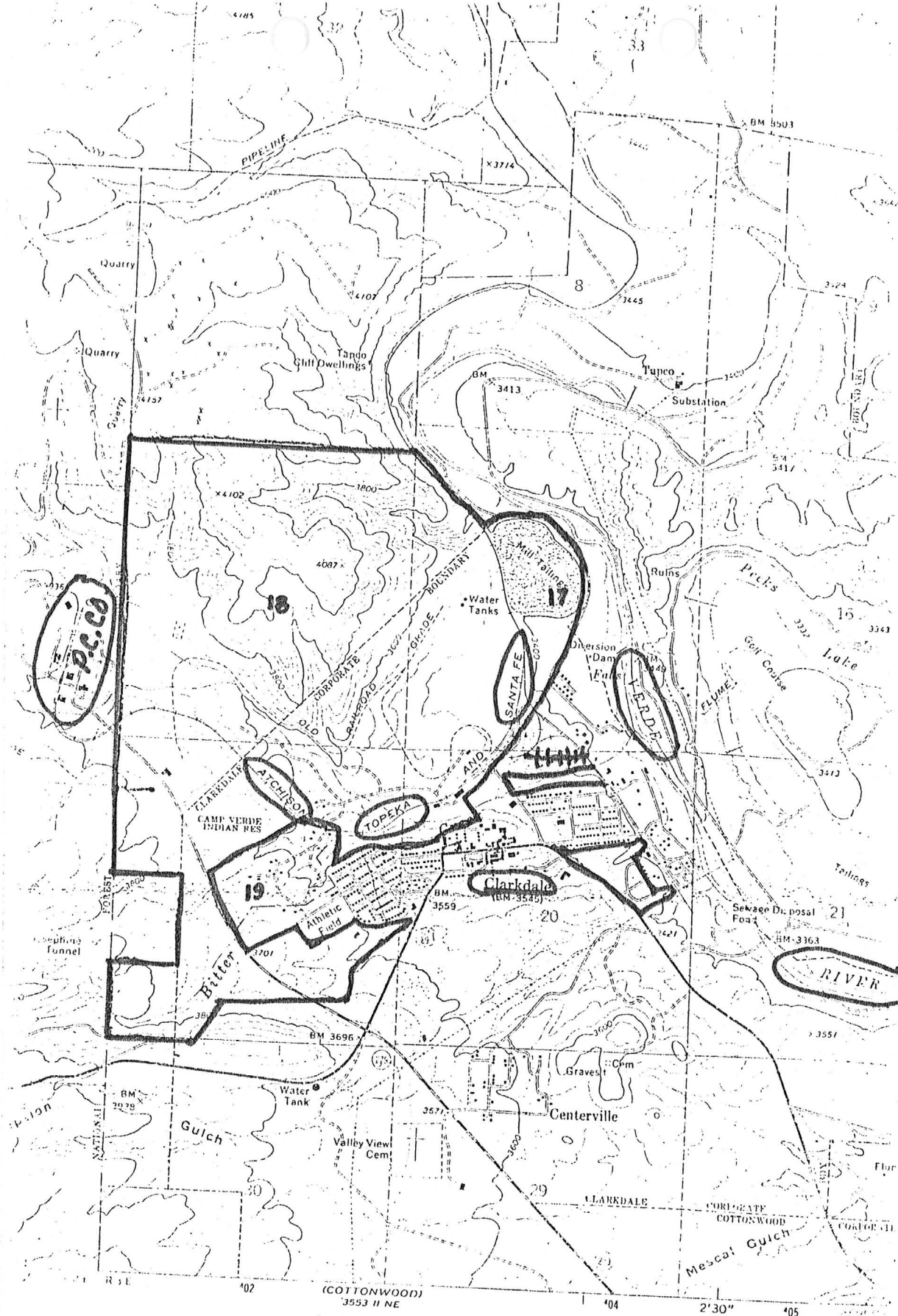
Accepted By

W. J. Hacht  
W. J. Hacht

10/21/80

Jinda Weedon

My Commission Expires July 25, 1982



CONTOUR INTERVAL 40 FEET  
 DOTTED LINES REPRESENT 20 FOOT CONTOURS  
 NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
 FOR SALE BY U.S. GEOLOGICAL SURVEY



# Landmark

July 27, 1979

Mr. W. J. Hacht  
P. O. Box 1209  
Scottsdale, Arizona

Dear Bill:

This agreement is to provide W. J. Hacht or nominee, an option on all of the land (approximately 1300 acres) and improvements of Landmark Land Co. and Clarkdale Realty, in the general area of Clarkdale, Arizona including the buildings owned by us in the Business District of Clarkdale, and the smelter site and "copper slag pile" adjacent to the City.

The option shall be for 6 months for \$50,000 which shall apply to the purchase price. The purchase price shall be two million dollars payable \$450,000 on or before the expiration of the option and the balance in five annual installments of \$300,000 each plus interest at a rate of 10% annually; full prepayment without penalty shall be allowed.

You shall have until 45 days after the date of this agreement to satisfy yourself as to our title on approximately 1300 acres and that any mineral rights previously reserved do not affect the slag pile or sand and gravel rights. If you are not so satisfied, the option money will be returned.

You shall have the right of access to the property during the option period for inspection, surveying, testing, experimental processing, sampling or similar purposes. A reasonable amount of slag may be removed from the property for the purposes; but not for resale. This should be subject to your furnishing the evidence of liability insurance to our satisfaction.

After the payment of the first \$500,000 you shall have the right to take 15% of the slag pile. If you wish to accept this option subject to ratification by our Board at their August 7th meeting, please sign below and return to me by August 3, 1979 together with a \$50,000 cashiers check.

Yours truly,

*Phil Tomlinson*  
Phil Tomlinson

PT/mj

Accepted this 1st day of August, 1979

By: W. J. Hacht  
W. J. Hacht

PHILLIP D. TOMLINSON, Vice President

LANDMARK LAND COMPANY, INC., P. O. BOX 18901, 4412 N. WESTERN, OKLAHOMA CITY, OKLAHOMA 73118. 405/521-1525

NATIONAL  
BANK

INDIAN CENTRAL OFFICE  
PHOENIX, ARIZONA

W. J. Hacht  
Option Contract,  
Clarkdale, Arizona

91 21221

DATE August 1, 1979

PAY  
TO THE ORDER OF

VALLEY NATIONAL BANK  
NATL. BANK

Landmark Land Company, Inc. ----- \$ 50,000.00

RECEIVED

September 4, 1979

Norton - Materials Division

Worcester, Mass. 01606

Purchasing Agent:

We have several Million tons of smelter slag, located at Clarkdale, Arizona, approximately 105 miles North of Phoenix, Arizona. The material is located on the Atchison, Topeka and the Santa Fe Line.

Please find enclosed the production records of the Verde (Jerome) District in Arizona. This may be verified by Geological Survey Professional Paper 308, on "Geology - Ore Deposits of Jerome, Arizona."

Several million tons of ore consisting of Copper, Silver, Gold and Zinc was processed for several decades through the Clarkdale Smelter (as per enclosed documentation from the State of Arizona Dept. of Mineral Resources.)

Please find enclosed also the Spectrographic analysis showing 14 different elements consisting of Boron, Silicon, Aluminum, Manganese, Magnesium, Lead, Gallium, Copper, Iron, Calcium, Zinc, Titanium, Silver and Nickel.

There was a Chemical Analysis made of the slag showing the dump average of Iron running  $Fe_2O_3$  at 46.09%, also an 8 year (1935 thru 1943) Phelps Dodge Analysis showing a composite of 49.31% Iron. The Eriez Magnetics Co. has equipment that can separate and upgrade Ferrous Iron as per enclosed documentation.

Should any of these metals be of interest to you, the fact that they are all mined and above ground, located on a railroad line with excellent transportation facilities, there will be no problem in negotiating a sale that can be made to your complete satisfaction.

Please call, or write, W. J. Hacht, Box 1207, Scottsdale, Arizona, 85252  
Phone 602 - 949-5335

Very truly yours,

WJH/mh

Bill Hacht

Enclosure: Spectrographic Analysis (1)  
Chemical Analysis (1)  
Phelps Dodge Analysis (1)  
Eriez Magnetics Photocopy (1)  
Dept. of Mineral Resources - State of Arizona - Production Record (2)



*Clarkdale*

CLARKDALE SLAG DUMP CHEMICAL ANALYSTS  
 PHELPS DODGE REVERBATORY SLAG (1936 thru 1943)

YEAR	NO. OF LADLES DUMPED	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	Ca	Mg	Zn
1936	57584	36.38	6.38	51.06	2.08	-	-
1937	60152	36.45	7.09	49.80	1.99	2.29	-
1938	34112	37.04	6.70	48.80	3.00	2.12	3716 ladles 4.31 /
1939	40412	36.78	6.88	49.51	3.66	2.56	19789 ladles 3.35 /
1940	30771	36.77	6.78	49.92	3.23	2.64	3.33
1941	54908	37.36	6.56	49.34	3.34	3.03	2.58
1942	50768	37.38	7.16	48.28	3.22	3.49	2.52
1943	43676	38.05	7.33	46.60	3.75	3.04	2.09
Composite 371690		36.77	6.86	49.24	2.94	2.74	2.68

\* - 4309 Ladles - 80g = 0.0001

checked 8/2/54

H.S. 10/11/54



P. O. Box 1209  
Scottsdale, Ariz.  
U. S. A

January 7, 1980

Mr. U. Knöss & Mr. J. Kothaus  
Nordstahl GmbH  
Gesellschaft Mit Beschränkter Haftung  
4 Dusseldorf P. O. Box 6007

Your Ref. TA/JKO-KJB

Dear Sirs:

Thank you for your reply, we are interested in working out any kind of a proposition that might fit into your operation. We are enclosing the documented information of what we have and where it came from, the production records are enclosed of only two mines, the United Verde and the United Verde Extension. There were several mines that brought their ore to the Clarkdale Smelter for processing and their total tonnage was in excess of 30,000,000 tons, so we do have a great deal of mineral material. The smelter processed 5,000 tons per day.

The smelter slag is located at Clarkdale, Arizona, approximately 105 miles North of Phoenix, Arizona. The material is located on the Atchison, Topeka and the Santa Fe Line.

Please find enclosed the production records of the Verde (Jerome) District in Arizona. This may be verified by Geological Survey Professional Paper 308, on "Geology - Ore Deposits of Jerome, Arizona."

Several million tons of ore consisting of Copper, Silver, Gold and Zinc was processed for several decades through the Clarkdale Smelter (as per enclosed documentation from the State of Arizona Department of Mineral Resources.)

Please find enclosed also the Spectrographic analysis showing 14 different elements consisting of Boron, Silicon, Aluminum, Manganese, Magnesium, Lead, Gallium, Copper, Iron, Calcium, Zinc, Titanium, Silver and Nickel.

There was a Chemical Analysis made of the slag showing the dump average of Iron running  $Fe_2O_3$  at 46.09%, also, an 8 year (1936 thru 1943) Phelps Dodge Analysis showing a composite of 49.34% Iron. The Eriez Magnetics Co. has equipment that can separate and upgrade Ferrous Iron as per enclosed documentation.

We do not have a degree in mining, geology or metallurgy, so technology and qualified advice are required.

Your activities extend to mining, mineral commodities and if your Company acts as sole representative for marketing, selling, financing and servicing, you are exactly what we are looking for. We are open for a fair deal and would like to give you complete security for your time and investment so that you would be protected in every way. If we make contracts on the material, as is, F.O.B. Clarkdale, Arizona, we can protect them on a price for at least three years (as we have no additional costs) with the material all mined and above ground and a railroad through the property and a Town highway and freeways all within one half mile away from the stock pile. There are several hundred thousand square feet of old buildings that can be used should you decide to process, or store this material with water, power, telephone, etc. Feel we have good leverage with metals at an all time high in price and God alone knows how much this material could be worth but at  $\frac{1}{2}$ ¢ per lb. 2,000 to the ton equal \$10. per ton, would amount to \$300,000,000. (Three Hundred Million Dollars) should we be able to get 5¢ per lb. out of this material, we are talking about \$100. per ton or three billion dollars, less the cost of processing. It could be extremely lucrative to both of us.

We do know that they did take out 55,000,000 (Fifty-Five Million) ounces of silver (as per State of Arizona Production Records) and if they recovered 70% then, that was a lot, which means there is at least 15,000,000 (Fifteen million) ounces left and at \$30. per ounce, World price, would be \$450,000,000 worth of Silver (being conservative) less, the processing costs. We can document to you from the Bureau of Mines that some of the ore that was processed out of the Verde Extension Mine ran as high as 200 ounces ~~SILVER~~ to the ton and  $3\frac{1}{2}$  ounces in gold and as high as 40% copper, so there are some "hot spots" in this copper slag pile that will really be profitable.

We suggest that you verify everything with the Bureau of Mines at Tucson, Arizona, or with the United States Bureau of Mines in Washington D. C. as per enclosed documentation.

Time is very important to me and I suggest that you phone me if this is of interest to your firm or have your own representative verify what exists. Have tried to be a realist about what we have but the prices in the metal market have really got us excited but an experienced partner is needed.

Very truly yours,

WJH/mlh

W. J. (Bill) Hacht

Phone 602-949-5335

Mailing P. O. Box 1209 Scottsdale, Arizona. 85252

P. S. Yearly temperature in Clarkdale, Arizona averages 55 degrees to 105. So you can see we have excellent year round working conditions.

WEBB & KNAPP STEEL PLANT

YAVAPAI COUNTY  
VERDE DIST.

To: Frank P. Knight, Director  
From: Travis P. Lane, Field Engineer  
Subject: Weekly Report for week ending March 26, 1960

**C**  
**O**  
March 21 2 phone calls  
3 visitors, including Robert Langguth who commented upon work in progress on coal deposits on upper Fossil Creek in an area centered about Strawberry (about 10 miles westerly from Pine). The Cerro de Pasco Co. is interested here and the Zeckendorff people of the Clarkdale steel project are also concerned. The Cerro de Pasco geologist for the project is Robert Reynolds, resident in the area. It is said that some 65,000 acres are blocked in leases by several groups. Complete reliable data are not available at this moment.

Visited the office of Zeckendorff Steel Company at the Clarkdale smelter site. The personnel consists only of E. W. Fredell with title: Plant Manager and Resident Chief Consultant, Clarkdale, Arizona. He reports that the Koppers firm is completing a thorough survey of the prospective steel project, and future development will be governed by the results of this analysis. He thinks there will be action on the ground about next Labor Day. Mr. Fredell confirmed in part the account noted of coal prospecting activity in the upper part of Fossil Creek. Cerro de Pasco is doing some road building and surface prospecting. The information obtainable re this work is rather sketchy. I will try to contact Reynolds at the property on another trip in the area.

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WEBB & KNAPP SWITCHES INTEREST IN STEEL-FROM-SLAG PROCESS TO SUBSIDIARY -

William Zeckendorf's Webb & Knapp, Inc., put through another of its corporate shuffles last week when it transferred its interest in a \$35-million project to produce steel from waste copper slag to Gulf States Land & Industries, Inc., a W&K subsidiary.

The purpose of the switch was clear: Webb & Knapp, with its heavy debt structure, has found it difficult to get financing for the operation. By switching to Gulf States, Zeckendorf hopes to interest lenders in putting up the funds needed to make the project operative.

Gulf States - which W&K bought in 1956 "for nothing" (BW-Aug.16'58,p54)- seemed an ideal vehicle for the switch. It has a relatively simple capital structure, and has extensive oil, gas, mineral, and real estate holdings which should form a good base for additional borrowing. What's more, W&K, with its big equity position in Gulf States, is still in a position to collect if the steel project pays off.

Taken from BUSINESS WEEK - Jan. 28, 1961 - page 84.

Phoenix  
Cement  
Company

• POST OFFICE BOX 728 • CLARKDALE, ARIZONA • ME 4-2261

February 25, 1959

Mr. E. W. Fridell  
Clarkdale, Arizona

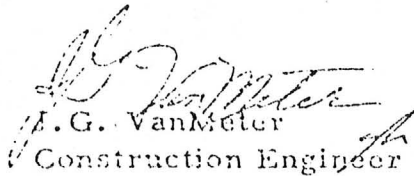
Dear Mr. Fredell:

We are glad to furnish the results of chemical analysis on the samples of slag which Mr. Lowe and I took, with your help, in December.

Sample	SiO <sub>2</sub>	Al <sub>2</sub> O <sub>3</sub>	Fe <sub>2</sub> O <sub>3</sub>	CaO	MgO	Loss	Na <sub>2</sub> O	K <sub>2</sub> O	SO <sub>3</sub>	Total
Dump Average	39.74	8.31	46.09	3.58	3.84	-3.78	0.27	0.62	1.93	99.70
Dump Composite	34.78	8.96	47.68	3.58	3.84	-2.57	0.25	0.72	2.35	99.62
s.w. corner dump	34.52	4.15	54.45	1.92	3.20	-2.06	0.17	0.28	2.96	99.59
so. center dump	35.03	7.00	43.80	10.22	4.80	-3.81	0.14	0.31	2.03	99.52
top s.w. 1/8 dump	36.51	7.34	46.56	7.22	4.00	-4.08	0.68	0.38	2.30	100.92

Thank you again for the courtesies you extended to us.

Very truly yours,

  
J.G. VanMeter  
Construction Engineer

Dump Average  
46.09 % Iron = 920 lbs per ton  
of Fe<sub>2</sub>O<sub>3</sub>

51.5% Fe<sub>2</sub>O<sub>3</sub> sells @ 65.05 per ton  
"Iron Age August 6, 1979"

JGVM/gh  
cc: RRAdams  
RLowe