



## **CONTACT INFORMATION**

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PRINTED: 10-03-2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: IRON CHANCELLOR

ALTERNATE NAMES:

COWDEN  
IRON KING  
YAVAPAI RANCH  
SELIGMAN IRON

YAVAPAI COUNTY MILS NUMBER: 43

LOCATION: TOWNSHIP 20 N RANGE 6 W SECTION 22 QUARTER SE  
LATITUDE: N 35DEG 06MIN 02SEC LONGITUDE: W 112DEG 52MIN 40SEC  
TOPO MAP NAME: TURKEY CANYON - 7.5 MIN

CURRENT STATUS: PRODUCER

COMMODITY:

IRON HEMATITE  
PHOSPHATE PHOSPHORUS  
SILICON

BIBLIOGRAPHY:

USGS TURKEY CANYON QUAD  
ADMMR IRON CHANCELLOR FILE  
HARRER, C.M. RECON OF IRON RESOURCES IN AZ  
USBM IC 8236 1964 P 116  
PATENTED CLAIMS ALSO IN SEC. 23, 26 & 27  
ADMMR MAP COLLECTION - FLAT STORAGE DRAWER 4



Mineral Contracting Organization  
ENGINEERING ◦ MINING ◦ CONSTRUCTION

MINE SERVICE  ENGINEERING  CONSTRUCTION

REFER TO: Iron Chancelor Mine  
Frank Montonati

Iron Chancelor Mine

74331123

Don  
R  
M



July 15, 1987

STATE MINE INSPECTOR

JUL 21 1987

Arizona State Mine Inspector  
James McCutchan  
1624 W. Adams  
Room 208  
Phoenix, AZ. 85007

Dear Sirs

Please be advised that MCO will be mining Iron Ore at the Iron Chancelor Mine, 17 miles south of Seligman on the Prescott Seligman road.

We plan to commence operations on or about July 17, 1987 and will complete the initial shipment by July 20.

Please consider this as a notice of activation.

Sincerely

Frank Montonati  
Mining Engineer  
MCO Mine Service

C O P Y

June 2, 1943

MEMORANDUM

To J. S. Coupal

From Elgin B. Holt

Seligman Iron Deposit,  
J. H. Baldwin, Prescott,  
Arizona.

To say the least, I was very much disappointed in this deposit. I had heard so much about it that I expected to see a sizeable deposit of iron - something that would yield to open pit work.

While some very good ore is exposed in a fault zone about 30 feet thick in limestone, the trouble is that within this zone there would have to be mined around 3 tons of waste in order to secure one ton of 60% ore, which is not so good.

Near the City of Durangi, Mexico is an iron mountain 500 feet high and 500 feet wide of solid 65% iron, with no waste at all. After one has seen such a deposit, a small showing like Seligman Iron looks insignificant indeed.

However, in my report I have held the door open for anyone to investigate this deposit with a view to doing deeper work, with a view to finding a larger deposit than is indicated on the surface.

In short, I do not believe any "iron" engineer would pass the property for such a development project. It certainly does not look big enough.

Will write you about other matters, including my visit at the Garfield Gray property, at Vicksburg, in a day or two. Will also leave here for Parker, Bouse, Salome, etc., next Monday, June 7th.

ELGIN B. HOLT

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



March 20, 1957

Mr. Tyson Ashlock  
1316 Wellesley Drive, N. E.  
Albuquerque, New Mexico

Dear Mr. Ashlock:

One iron property which we have on file consists of 13 patented claims, 17 miles south of Seligman on both sides of the Prescott-Seligman highway.

It is called the Seligman Iron Deposit. In 1946 part of the claims were owned by the Cowden Livestock Company. The claims lie in S15 & 23, T20N, R6W, Yavapai County.

The main iron deposit lies in a mineralized fault zone in limestone and is 30 to 40 feet thick, strike N20°W dips 30° to 45° east, traceable for 1,000 feet. The ore is made up of alternating layers of high grade hematite 3 to 8 feet thick and bands of iron stained limestone. It would be necessary to reject around 3 tons of waste to get one ton of high grade iron running 60% Fe or better.

One assay on record gives iron at 60% and phosphorus as 0.022%. Colorado Fuel & Iron Corporation did considerable work on the property long before World War II.

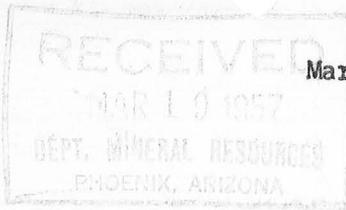
I have heard that some of the iron from Nevada has been going through import export agents in San Francisco to Japanese Steel Mills. I have no record of these outfits but will drop you a line if I hear definitely who is operating or looking for iron ore.

There are other deposits up there but I have no report on file here.

Sincerely,

B. J. Squire

BJS:vd



March 18, 1957

Arizona Bureau Of Mineral Resources  
Arizona State Fairgrounds  
Phoenix, Arizona

Dear Mr. Squires,

I would appreciate it if you would send me any information on large iron ore deposits in the Prescott area which the Bureau might have. The Company I work for is interested in examining a deposit in that area.

Also, there is a Japanese Iron Company which is interested in buying iron ore from the southwest. I wondered if you had ever heard of them? I would like to get in touch with them. I have no idea what company it is or who there representative is. If you have heard of them I would appreciate it if you would send me their address.

Sincerely Yours,

*Tyson Ashlock*  
Tyson Ashlock  
1316 Wellesley Dr. NE  
Albuquerque, New Mexico

September 9, 1946

Mr. J. Moss  
Merit Drug & Trading Co.  
900 South Vermont Avenue  
Los Angeles 6, California

Dear Mr. Moss:

Answering your letter pertaining to certain mining properties south of Seligman, Arizona, belonging to the estate of James Cashion, Sr., I can advise that last week while in Seligman I made an effort to obtain something pertaining to this property. I learned that the Cowden Livestock Company, Box 1550 of Phoenix, Arizona, bought this estate 4 or 5 years ago.

I contacted these people this morning by telephone and they advised me that the property is a low grade iron on which a great number of prospect pits have been dug. About 20 years ago there were several diamond drill holes put down on this property and all samples taken indicated a very low grade iron deposit and for that reason there has been nothing done with it in recent years.

Should you be interested in investigating this further, you may write to the Cowden Livestock Company of the above address and they will be perfectly willing to make any operating deal that would further develop the property. I was informed this morning that they would be willing to sell this particular part of their ranch.

Yours very truly,

A. C. Nebeker  
Field Engineer

ACN:LP



## 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

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Iron Chancellor Mine (file)  
Ken A. Phillips, Chief Engineer  
March 29, 2004

Yavapai County

Cliff Ayers of Drake Cement reported that the Yavapai-Apache Nation in Camp Verde has obtained a six-month option for an exclusive production lease on the Iron Chancellor mine from its owner, Dr. Ruskin of the Yavapai Ranch. The Yavapai Apache Ranch is considering the deposit as a source for iron ore to the planned Drake Cement plant.

Iron "ore" used for the manufacture of Portland cement does not need either the grade or the color used for pigment manufacture. If the Iron Chancellor Mine were to become an iron source for the new Drake Cement plant, mining would likely be from a newly developed open pit. The high grade, red hematite developed in the underground workings for the previous leaser, Arizona Oxides would likely still be available for the pigment market.

Addresses and contacts for Dr. Ruskin are: Yavapai Ranch, PO Box 128, Seligman, AZ 86337, phone 928-925-5501. The phone for the ranch property business office is 480-948-6080. The best way to reach Dr. Ruskin personally is via his pager – 602-259-8533.

Samples here described from the mine listed below are are contained in the AzDMMR collection of reference samples.

Date Taken: 03/00/92

Date Logged: 09/30/93

Sample Numbers: 03/00/92-009 through 03/00/92-013

MINE: Iron Chancellor *file*

COUNTY: Yavapai AzMILS # 43

LOCATION: South of Seligman on County Road.

DESCRIPTION: Selected samples of unprocessed pigment grade iron oxide.

MATERIAL: Hematite

IRON CHANCELLOR

YAVAPAI COUNTY

Iron Chancellor is operated by Arizona Gypsum Corp. Guy Swartz, Res. Mgr. They are installing plant for crushing and sizing ore. They ship to Kennecott LPF plant at Hayden at rate of 1500 tons per month. Specifications are -8 mesh with Fe content min. 60%. Average shipped assays better than 60%. Woodrow Diehl, Supt. for Arizona Gypsum. FTJ WR 9-10-65

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Active Mine List Oct. 1965 - 20 men

Arizona Gypsum has discontinued operation of Chancellor mine in Yavapai County. FTJ WR 5-6-66

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Visited the Iron Chancellor at Seligman which is shut down. The screening and crushing plant still stands but all operations are at a standstill. FTJ WR 5-14-66

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Iron plant idle. FTJ WR 9-4-70

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IC 8236, p. 117

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Abstract from "Arizona Iron Ore Deposits" in IRON COMMODITY file: The iron deposits 17 miles south of Seligman are held by several people. Of these the Iron Chancellor has been most extensively tested. The deposits are in Sections 22-23 and 26, T20N, R6W. The Iron Chancellor ore occurs as a red hematite which replaces limestone. According to Flip Evans of the Rico Mining Company, the test drilling at the Iron Chancellor has blocked out 300,000 tons but that there may be a potential of 1,000,000 tons. The developed ore assays nearly 60 percent iron, 2.5 percent silica, 3½ percent alumina, and 5 percent CaO. (Cowden Livestock Company, Phoenix, leased to Western Drilling Company, Inc., Lubbock National Bank Bldg, Lubbock, Texas.)

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NJN WR 6/5/87: John Rud (card) visited and reported that Romico (card) is producing iron ore from the Iron Chancellor Mine (file) Yavapai County and is processing at their plant at Congress. They are producing several products, including pigment and heavy media material.

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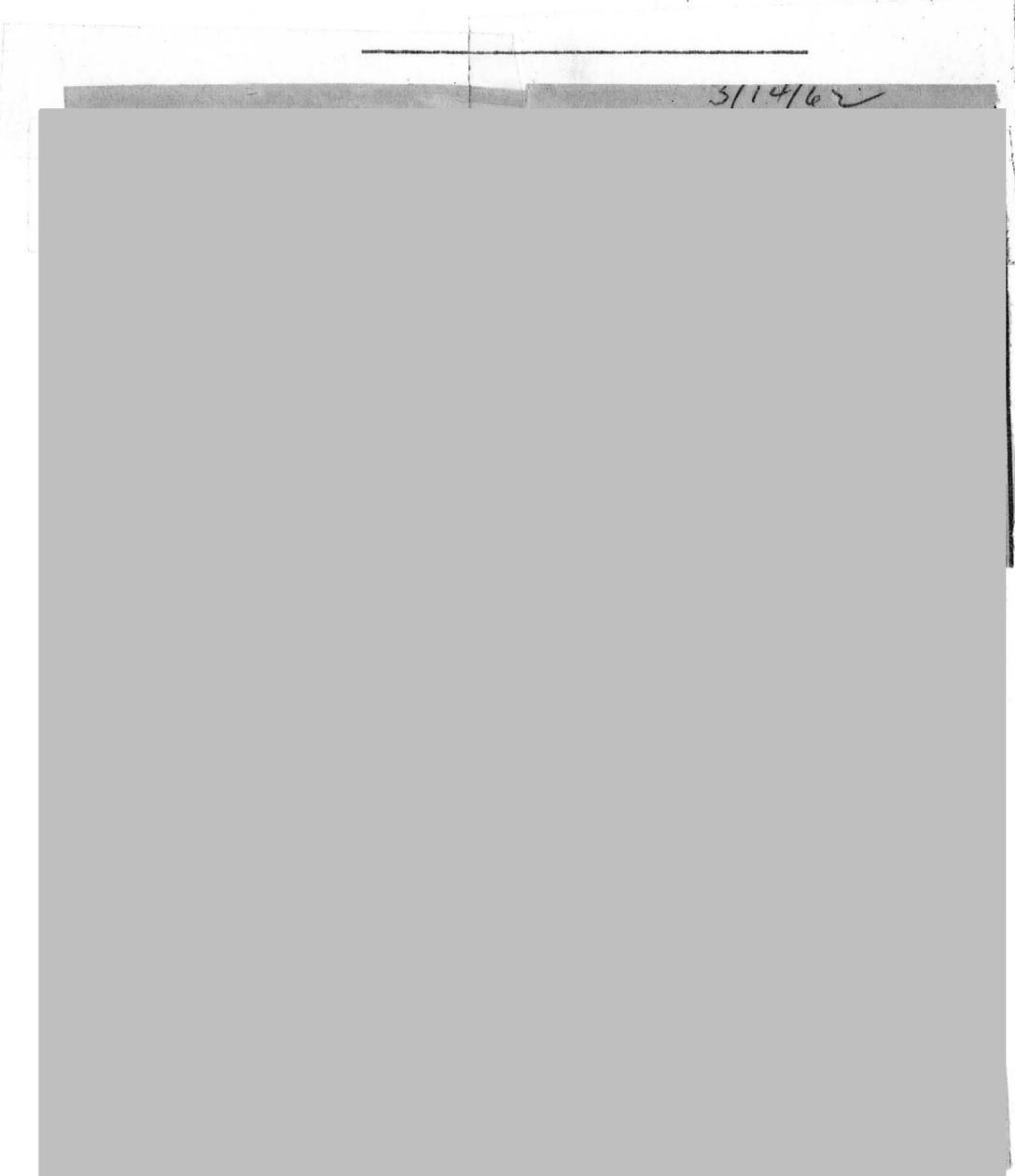
IRON CHANCELLOR

CHINO VALLEY

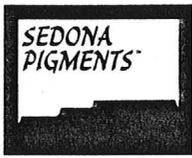
YAVAPAI COUNTY

Visited the pulverizing plant, also the mine of the Iron Chancellor. The pulverizing plant is on a Sante Fe siding about 1/2 mile from Seligman, the mine 17 miles south of Seligman. Mr. R.L. Provost who lives in Seligman, was in charge and is now looking after the property. He reports the pulverizing plant built by Dynamics Research Inc. did not come up to expectation and a number of changes have to be made. The property has been in litigation recently but is now supposed to be settled. The men owning the pulverizing plant and have the mining lease are J.R. Stephens and Guy Swartz, 2802 21st Farmington, N.M.

MEMO - E. G. WILLIAMS - 1/29/63



Republic



# ARIZONA OXIDES INC.

IRON CHANCELOR MINE (File)  
K

3443 N. Central, #801, Phoenix, Arizona 85012  
PH: (602) 265-5981 FAX: (602) 234-3985

October 4, 1993

Ken Phillips  
Chief Engineer  
Dept. of Mines and Minerals  
1502 W. Washington  
Phoenix, Az. 85007-3210

Dear Ken:

Here is a quick update on our progress. We are milling a 600 mesh product and it is well received by the industry. Our capacity of 140,000 lbs a month is almost sold out and we will be upgrading to 200,000 in the near future. Customer demand warrants this move.

We are in the 'make or buy' mode for our 325 mesh product with Vince and I leaning toward building our own plant north of town. We are in the process of obtaining commitments from customers to lessen the risk of purchasing a mill.

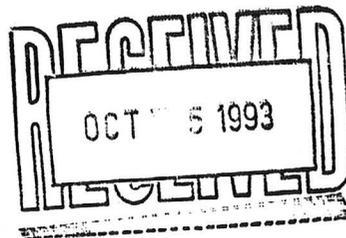
Our customers would like to see Arizona Oxide with a full color line. We purchase color on the open market, but would rather mine it ourselves. To that end, if you know of any iron oxide deposits, we would be appreciative if you would let us have a look at them.

Arizona Oxide will begin blending on a limited basis short term and perhaps enlarge this sales effort long term, but our current labors will be on our core products.

We have also uncovered a need for Barite. We would not mill this, but act as either a producer or broker.

Regards,

James Lincoln



Active

DEPARTMENT OF MINERAL RESOURCES  
State of Arizona  
MINE OWNER'S REPORT

Date 1-25-58

1. Mine: Iron Chancellor 30 men  
2. Location: Sec. 22, 23, Twp. 20 N Range 6 W Nearest Town Seligman Distance 20  
Direction S<sup>20</sup> Nearest R.R. Santa Fe Distance 19

Road Conditions: Excellent & dry weather

3. Mining District and County: Chino Valley, Yavapai  
4. Former Name of Mine:

5. Owner: Ray Cowden  
Address: ~~Lubbock Nat. Bk. Bldg., Lubbock Phoenix~~

6. Operator: Western Drilg. Co., Inc.  
Address: Lubbock Nat. Bk. Bldg., Lubbock, Tex.

7. Principal Minerals: Fe<sub>2</sub>O<sub>3</sub>

8. Number of Claims: Lode 29 Patented 13 Unpatented 16  
Leased 100,000 acres  
Placer Patented Unpatented

9. Type of Surrounding Terrain: Hills and ravines, lightly wooded

10. Geology and Mineralization: Hydrothermal replacement of Miss. Redwall ls., just below cherty member. 20'-55' ore w/ some ls. lenses. Two trends poss. joining. Rept. by J.W. Wolff, Sr., L.M. Scofield. Very uniform grade, very low impurity content. Average grade 60% Fe.

11. Dimension and Value of Ore Body: 250,000 assured, 1,000,000 probable

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.

12. Ore "Blocked Out" or "In Sight": *See item 11*

Ore Probable: .....

13. Mine Workings—Amount and Condition: .....

No.	Feet	Condition
Shafts <i>3</i>	<i>55, 27, 41</i>	<del><i>55, 27, 41</i></del> <i>2 good, 1 filled</i>
Raises		
Tunnels <i>1</i>	<i>40</i>	<i>good</i>
Crosscuts		
Stopes		

14. Water Supply: *suff for ~~the~~ mining only.*

15. Brief History: *7 drill holes by Scofield failed to be adequate to show true picture.*

16. Remarks: .....

17. If Property for Sale, List Approximate Price and Terms: *Not for sale*

18. Signature: *Edward R. Higley*  
*P.O. Box 1756*  
*Wickenburg, 9012*

**DEPARTMENT OF MINERAL RESOURCES**  
STATE OF ARIZONA  
**FIELD ENGINEERS REPORT**

Mine Iron Chancellor

Date Jan. 25, 1958

District Seligman

Engineer Lee Hammons

Subject: Preliminary Examination

Owner; ✓ E. Ray Cowden, 6645 N. 7th Ave., Phoenix, Arizona.

Operator: ✓ Western Drilling Co., Inc., Lubbock Natl. Bank Bldg., Lubbock, Texas.

Engineer: ✓ Elwood R. Wright, P. O. Box 1256, Wickenburg, Arizona.

Status: Being drilled with one Mayhew 1000 drill - plug and core. Mr. Wright estimates 11,000 tons in the stockpile which is sorted by size of lump. Sufficient water for mining and camp. Seeking market for ore.

Development: 7 drill holes by a previous operator; 3 prospect shafts in ore (55', 27', & 41' deep); one 40' prospect tunnel in ore; 3 pits in good ore and several drill holes by the present operator; one hillside stripped to reveal the ore.

Reserves: According to Mr. Wright, 250,000 tons assured, 1,000,000 probable, having an average grade of 60% Fe and practically no impurities, approximately 50% self-fluxing. Other engineers (J.W. Wolff, Sr. and L. M. Scofield) give the property up to 5,000,000 possible tons.

**Geology and**

**Mineralization:** Apparent hydrothermal replacement of the member of the Mississippian Red Wall limestone which lies immediately under the cherty member. Ore is massive hematite with thin lenses of limestone. It reportedly averages about 50 feet in thickness except where erosion has cut into it. There are two apparently intersecting trends. These vary considerably in width. Amagnetometer surveys failed to delineate the ore; the operators are considering other geophysical methods.

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

✓ IRON CHANCELOR MINE, Seligman, Ariz., 21 Claims <sup>Yavapai Co,</sup> ~~MOHAVE~~ CO. 7-15-57

Owner: YAVAPAI CATTLE CO., Phoenix, Ariz.

Operator: ✓ RICCO MINING CO. & ✓ WESTERN DRILLING CO. (Aguila, Ariz., -  
& Lubbock, Tex)

✓ Mgr. - Douglas Evans, Aguila, Ariz.

✓ Supt - Williams Winters, Seligman, Ariz.

✓ IRON - Development - 5 men

L.A.S.

DEPARTMENT OF MINERAL RESOURCES  
STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine SELIGMAN IRON DEPOSIT  
District Seligman, Yavapai Co., Ariz.

Date June 2, 1943  
Engineer Elgin B. Holt

Subject: R E P O R T

LOCATION & AREA:

This property, consisting of 13 patented mining claims, is located in Yavapai County, Arizona, 17 miles south of Seligman, a station on the Santa Fe Railroad. The Prescott-Seligman highway passes through property. While this highway is not paved, it is kept in good shape by Yavapai County, and fairly heavy loads may be hauled over it from the mine to Seligman, at a probable cost of \$1.50 per ton.

NAMES OF CLAIMS:

1 - Fairview	8 - Ben Franklin
2 - Federal #7	9 - Ben Franklin #2
3 - Federal #2	10 - Lone Jack #2
4 - Hematite	11 - Monitor
5 - Iron Chancellor	12 - Iron Horse ----- 20.47 acres
6 - Camp Bird	13 - Machias ----- 9.98 acres
7 - Lone Jack	All other claims contain 20.66 acres each.

The above mining claims are situated mainly in Section 22 and partly in Sections 15 and 23, Township 20 North - Range 6 West, G. & S. R. B. & M., Yavapai County, Arizona.

OWNERS:

The Iron Chancellor claim (#5), on which the main iron deposits and workings thereon are located, is owned by Brandon Barringer, 3122 Que Street, Washington, D. C. Owners of all the other claims mentioned, from #1 to #13, excluding #5, are: John C. Hamilton, Guido Rahr, and Ralph Hooker, Prescott, Arizona. Agent for all owners, J. H. Baldwin, County Assessor's Office, Prescott, Arizona.

METALS:

The ore of this deposit contains iron only, mainly hematite of excellent quality; but of undetermined quantity.

EXAMINATION:

On May 27, 1943, this property was visited by a party consisting of: B. W. Brown, District Engineer of our Department, stationed in the Prescott area, J. H. Baldwin and myself. We only spent a few hours on the ground and took no samples. Hence, this report is merely a brief description of the property in question. A few days prior to our visit, property was examined by Harlowe Phelps and associate, in the employ of the U. S. Bureau of Mines, from the Tucson office of that Bureau.

GEOLOGY - ORE ZONE:

The country rock at and for miles surrounding property is limestone, the strata of which lie horizontal in places, but here and there the said strata are folded and tilted. The main iron deposit occurs in a mineralized fault zone from 30 to 40 feet in thickness and is traceable on the surface for around 1,000 feet. The strike of this fault zone is North 20 degrees West, and its dip ranges from 30 to 45 degrees East, thereby cutting ~~cutting~~ the limestone strata, which seem to lie horizontal in this particular area.

HIGH GRADE IRON ORE:

The zone material mentioned, which as stated is from 30 to 40 feet thick, is made up of alternating layers of high grade hematite, from 3 to 8 feet thick, and bands of iron-stained limestone.

Therefore, in order to remove the iron ore for shipment, selective mining would

have to be carried out, employing some conventional underground stoping method suited to this kind of a deposit. I would say, as a rough guess, that should this be done, it would be necessary to reject around 3 tons of waste in order to secure one ton of clean high grade iron ore, running in excess of 60% iron.

MINE WORKINGS:

Workings on the main deposit, which lies east of the Prescott- Seligman road, consist of around 9 open pits and short tunnels on zone material. Also west of the road are a number of test pits on other outcroppings of iron ore in limestone. All this work was done years ago, so we were informed, by the Colorado Fuel & Iron Corporation, which also did some diamond drilling. Unfortunately, the assay records of the said work are not available.

ASSAYS:

Mr. Baldwin furnished me with the following assay results, from samples taken by him from selected ores from this property; these being quoted merely to show the character of the ore from the same.

~~PROPERTY~~ On July 24, 1942, two assays were made by the Giroux Assay Office; results being as follows:

No.	Description	Iron %
36849	#1	67.05
36850	2	64.95

Also, on September 18, 1942, the Colorado Fuel & Iron Corporation wrote a letter to Mr. Baldwin quoting the following analysis:

Iron -----	60.3%
Manganese -----	.2%
Insoluble -----	7.2%
Phosphorus -----	.022%
Titanium oxide	nil

The said letter closed with the following remarks: "This is a good quality ore from a producers standpoint; but to ship from Arizona points to our plant at Minnequa would be out of the question because of the high freight rates".

REMARKS:

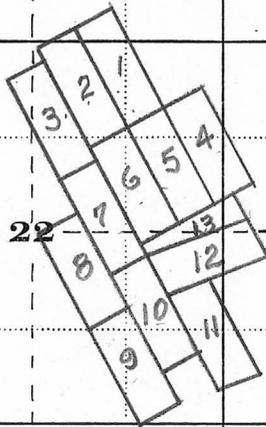
Although this property is in the undeveloped stage, there is a considerable tonnage of high grade iron ore exposed or indicated in the surface workings referred to. Hence, by and large, I would say it warrants extensive development work in order to prove whether or not it is an important source of iron ore. In short, this property is recommended for a careful investigation by anyone that may be interested in opening up iron deposits in Arizona, with a view to shipping iron ores to the Kaiser Company's steel works located at Fontana, California. Again, it is quite possible that deeper sinking on the ore zone mentioned may result in exposing larger bodies of uniform high grade iron ore than are now found in the surface croppings.



Elgin B. Holt,  
Field Engineer.

cc - J. H. Baldwin  
B. W. Brown

Township 20 North — Range 6 West.  
Yavapai Co.



SELIGMAN  
 IRON  
 DEPOSIT

- |                   |                    |                  |
|-------------------|--------------------|------------------|
| 1 Fairview        | 8 Ben Franklin     |                  |
| 2 Federal # 7     | 9 Ben Franklin # 2 | all others 20.66 |
| 3 Federal # 2     | 10 Lone Jack # 2   | acres            |
| 4 Hematite        | 11 Monitor         |                  |
| 5 Iron Chancellor | 12 Iron Horse      | 20.47 acres      |
| 6 Camp Bird       | 13 Machias         | 9.98 acres       |
| 7 Lone Jack       |                    |                  |

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SE 1/4, T. 20N., R. 6W.  
MISCELLANEOUS  
CHINO DIST.

*Vaupae  
Turkey Canyon*

