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05/19/87

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: BLACK MOUNTAIN GROUP

ALTERNATE NAMES:

LODI BARIUM MINE
WHITE MOUNTAIN

LA PAZ COUNTY MILS NUMBER: 309

LOCATION: TOWNSHIP 8 N RANGE 17 W SECTION 34 QUARTER C
LATITUDE: N 33DEG 59MIN 44SEC LONGITUDE: W 114DEG 00MIN 54SEC
TOPO MAP NAME: BOUSE - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:

FLUORINE FLUORSPAR
BARIUM BARITE

BIBLIOGRAPHY:

USBM RI 5651, BARITE DEPOSITS OF AZ. P. 62-65
ADMMR BLACK MOUNTAIN GROUP FILE
ADMMR FLUORSPAR PUBLICATION, P 44
SCARBOROUGH, ROBERT - (ADMMR GEOLOGY FILE)
ADMMR "U" FILE YUMA BARITE-FLUORITE NO. 22

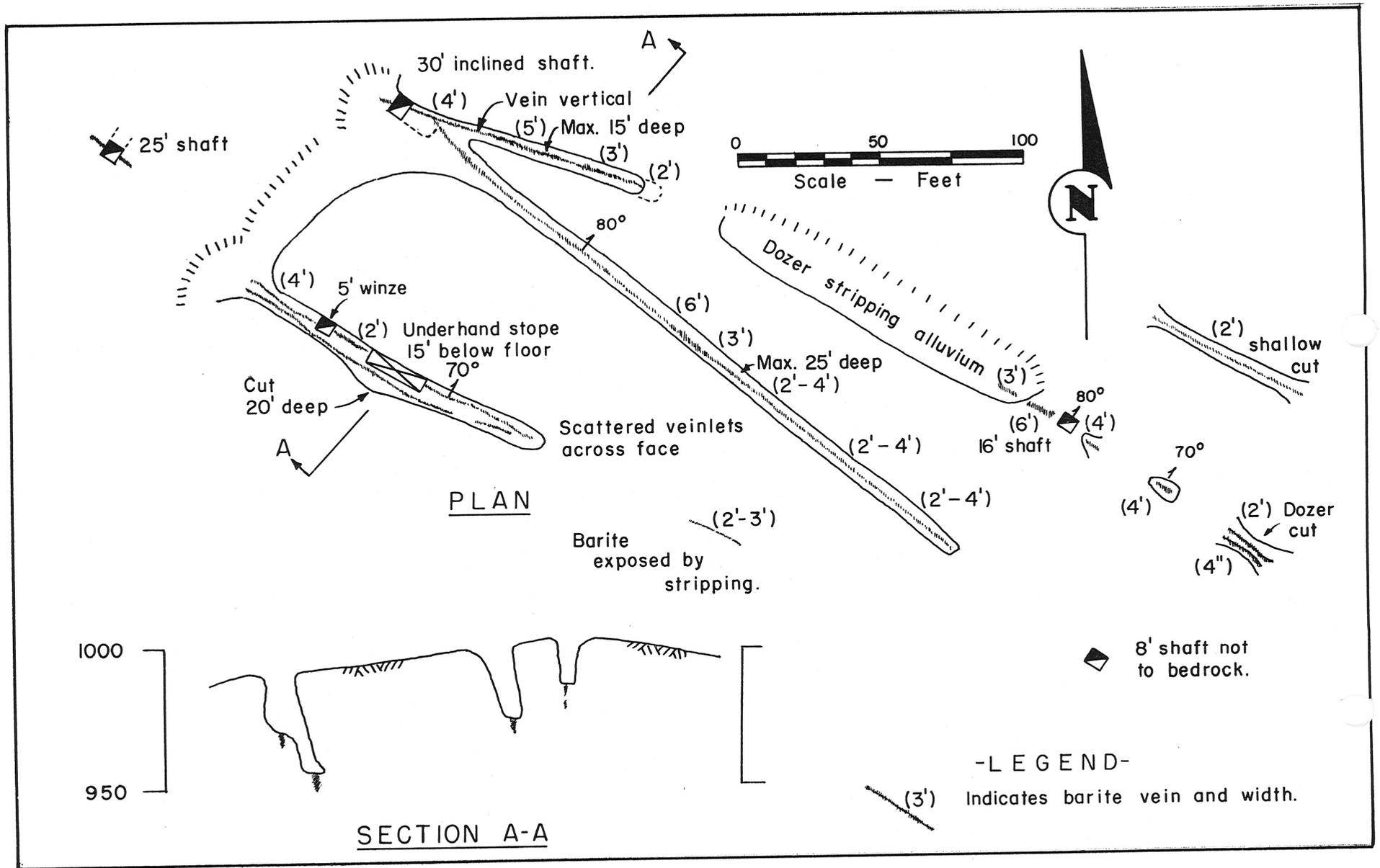


FIGURE 19. SKETCH MAP - BLACK MOUNTAIN NO. 1 WORKINGS, YUMA COUNTY, ARIZ.

BLACK MOUNTAIN GROUP

YUMA COUNTY

RI 5651 p. 59 - Barite Deposits of Arizona

DMR - Fluorspar p. 44

MILS Sheet sequence number 0040270036

Geology File - Scarborough, Robert, "Field Trip to Northern Plomosa Mountains"

BLACK MOUNTAIN GROUP

LA PAZ CO.

At Bouse interviewed Ed Townsend, learned he had visited a number of properties in the Bouse area the previous week with Paul Estep and G. J. Grott of Arkota Steel. Also Mr. Townsend had optioned his Barite #1 and Barite #2 claims to Canyon State Development Co., J. Stanley North, acting President.

EGW WR 6-12-63

Conference with J. C. Townsend at Bouse

Mr. Townsend said that Williams Paint Company, with offices at Victorville, California had examined the deposit very recently. He does not know if they are interested yet.

LAS Memo 10-14-65

84

Went to Dan Patch's place. He said Mt. States Dev. Co. hadn't done the drilling that was anticipated on his Black Mt. barite deposit about 4 miles north of Bouse. GW WR 9/23/76

Charles Ellis, Phoenix, volunteered the information that he dozed 5 drill locations for Cathay Mining Company near the Southern Cross on Dan Patch's Cu claims. He said they drilled the 5 holes from 100 to 300 feet deep and are returning to drill another 1000 ft. deep. The drill rig they had rented for the first 5 holes broke down. GW WR 9/29/76

Dan Patch, owner of the Black Mountain barite and fluorspar property 4 miles north of Bouse, reports that Mountain States Exploration and Development Company drilled 28 holes of various depths on his property. GW WR 11/18/76



KAP WR 9/17/82: Dan Patch, Star Route, P.O. Box 165, Chino Valley, Arizona 86323, reported he has the Black Mountain Mine near Bouse. He said the property has 250,000 tons of barite proven by drilling and an indicated 750,000 tons. He feels the deposit is "semibedded".

Yuma Arizona Chief Mineral Barite-fluorspar No. 22
County State Accessory Minerals
Property Name: Black Mountain No. 1 (1 unpat. claim) Location: Approx. sec. 34, T. 8 N., R. 17 W.,
Owner: Name Address Date unsurveyed, about 5 miles north of Bouse
J. C. Townsend, Bouse, Ariz. 4/24/57

8N-17W-NE34
SEE FILE #467 FIG 18

Operator:
None

Production: 2,500 tons of milling ore by National Lead Co. under lease in 1938
Total From to
Present Rate Per Date

Source of Information: Summary Report Stewart No. 124

	Status	Date
USBM Report: File No. 467 Barite - Summary Reports Arizona		

Classification: Prospect
(See other side for general information)

Black Mountain No. 1, Yuma County, Ariz. Sec. 34, T. 8 N., R. 17 W.

General Information: Barite occurs in fissure veins with fluorspar in a volcanic agglomerate. The veins strike southeast and dip steeply to the northeast. Known length of 3 veins is 1,000 ft., the width 2 to 6 ft., and the depth at least 50 ft. They have been explored and developed by at least 500 linear of opencuts with a maximum depth of 25 ft. several 8 to 10-ft. shafts, and some bulldozer stripping. No work was being done at time of visit. Production is said to have been 2,500 tons of milling ore by National Lead Co. in 1938.

Character of Ore: Barite fissure veins in volcanic agglomerate. Associated with 10 - 15% fluorspar and minor copper oxide staining.

Equipment (Date 4/24/57): None

K

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

Date February 13, 1958

1. Mine: Black Mountain Group
2. Location: Sec. 34 Twp. 8N Range 17W Nearest Town Bouse Distance 5 mi.
Direction N Nearest R.R. Bouse Distance 5
Road Conditions Excellent
3. Mining District and County: Plomosa, Yuma
4. Former Name of Mine: None
5. Owner: James C. Townsend DAN PATCH 1977
Address: Bouse, Arizona Quartzsite Az & P.
6. Operator: _____
Address: _____
7. Principal Minerals: Barite, Fluorite, Copper oxide stains
8. Number of Claims: Lode 2 Patented 0 Unpatented 2
Placer _____ Patented _____ Unpatented _____
9. Type of Surrounding Terrain: low hills

10. Geology and Mineralization: Black Mountain No. 1.
Composite sample considered representative
assayed: BaSO₄, 75.3; CaF₂, 14.1; CaCO₃, 5.2. Fissure veins in
volcanic agglomerate, major veins are 1'-6' wide with some
included rock bands, some smaller veins. Veins exposed in
several places, up to 240' in length. Fluorite occurs, especially
near sides of veins. Copper oxide staining common.

Black Mountain No. 2.
One area about 150' x 175' mineralized and some additional
stringers.

11. Dimension and Value of Ore Body: _____
25,000 tons shipped by National Lead

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)

12. Ore "Blocked Out" or "In Sight": 250,000 tons by nearsight

Ore Probable:

13. Mine Workings—Amount and Condition: Numerous open cuts and shallow shafts,

No.	Feet	Condition
Shafts.....		
Raises.....		
Tunnels.....		
Crosscuts.....		
Stopes.....		

14. Water Supply: Well on property.

15. Brief History: approximately 24 wagon drill holes - logs not available.

16. Remarks: Data on this sheet taken from report made by, and soon to be published ~~by~~ by, the U.S. Bureau of Mines.

17. If Property for Sale, List Approximate Price and Terms: To be Negotiated

18. Signature: James E. Townsend
Boast Beyond

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
MINE OWNER'S REPORT

DEPT. MINERAL RESOURCES
RECEIVED
NOV 16 1942
PHOENIX, ARIZONA

Date 11/7/42

218-59

1. Mine **Loki Barium Claim**
2. Location **4 Mi N.W. Bouse, Ariz**
3. Mining District & County **Plomosa Min Dist.
Yuma, County, Ariz.**
4. Former name **"White Mountain"**
5. Owner **C. R. Allen, Mark Sere, C. B. Smith, J. C. Heine & R.C. Bennett**
6. Address (Owner) **Yuma, Ariz.**
7. Operator **C. R. Allen,**
8. Address (Operator) **El Cento, Calif**
9. President, Owinging Co.
- 9A. President, Operating Co.
10. Gen. Mgr.
14. Principal Minerals **barrites**
11. Mine Supt.
15. Production Rate
12. Mill Supt.
16. Mill: Type & Cap.
13. Men Employed
17. Power: Amt. & Type
18. Operations: Present **dormant**
19. Operations: Planned
20. Number Claims, Title, etc. **one and millsite**
21. Description: Topography & Geography
22. Mine Workings: Amt. & Condition **open cut exposing ore 120 feet long
several small shafts, condition good.**

23. Geology & Mineralization

24. Ore: Positive & Probable, Ore Dumps, Tailings 3000 tons developed and in sight;
pure white barium; 93 to 97%

24A. Dimensions and Value of Ore body vein uncovered 200 feet in length, 5 to 12
feet in width; depth unknown; vertical; well formed walls solid
capable of working open cut to considerable depth without brading

25. Mine, Mill Equipment & Flow-Sheet none

26. Road Conditions, Route good surfaced road (Swansea Road) claim lays
3/4 Mi. from road, easy accessible; \$250 of road work will place
in excellent condition for heavy hauling.

27. Water Supply well on premises; shallow water strata, capacity 1000 gal
per min. water good

28. Brief History prospected at 40 years; 1939-40 produced 60 carloads
while in litigation.

29. Special Problems, Reports Filed

30. Remarks considered attractive small property; easily worked, 4 mi
to railroad; marketing of product hindered in past by
monopoly on patents on barrites.

31. If property for sale: Price, terms and address to negotiate. Would sell at reasonable price
and terms, or would operate under contract to take sufficient
products to allow retrieving mill costs.

32. Signature.....

Ray Bennett

33. Use additional sheets if necessary.

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA

FIELD ENGINEERS REPORT

Mine *DAN HATCH*
~~TOWNSEND~~ BARITE Date October 29, 1957

District (Yuma County) Engineer FRANK P. KNIGHT

Subject:

Townsend barite property is between Bouse and Planet - pink barite.

J.C.

Mr./Townsend reports that his barite property is leased and optioned to a Globe Company, Minerals, Inc., which has an iron mine and mill at Globe. Down payment has been made.

Mr. Gemmill reported that 50 holes had been drilled - $\frac{1}{2}$ million tons developed and they infer over 20,000,000 tons in reserve. 4.2 and 4.3 gravity!

Black MountainSummary:

Situated about 5 miles north of Bouse this deposit has fluorite and barite mineralization that may be of future interest. Samples of veins about 2 to 3 feet thick average about 14.9% fluorite. Most favorable economic and milling facilities would be required to make this property a potential reserve.

Location:

The property is situated in the SW/NE Sec. 34 (partially surveyed) T8N, R17W at an elevation of 1000 feet and is shown on the Bouse 15' USGS topographic quadrangle. It may be reached from Bouse by traveling 3.6 miles on the Swansea road to Thompson's Well, turning left (northwest) on a bladed sandy road about 1.9 miles to a prominent black hill about 0.2 miles past an old abandoned well.

Ownership:

Two claims were located on February 3, 1975 as the Black Hills Barite by E. W. Brown of the D & J Mining Co., 4845 S. 36th Drive, Phoenix 85041. This seems to be a relocation by the same people; location work as two drill holes was done a few weeks before the property was examined.

Occurrence:

This is a barite deposit containing appreciable fluorite and is described in detail in RI 5651, pp. 62-65. The Bureau's representative sample for metallurgical purposes contained 14.1% fluorite. Our four samples average 14.9% fluorite. The workings consist of three cuts bearing northwesterly in which the two northeasterly cuts join at their northwest end. The cuts have maximum depth of about 25 feet. Our sample #1 was taken in the face of the most northeastern cut, or branch; it contains 12.3% fluorite over 2.6 feet. Sample #2 was a grab sample of the ore being slushed at the southeast end of the mid trench (southwestern of the two trenches joined at their northwest end); it contains 17.3% fluorite. Sample #3 was taken from the bottom of the southwestern trench at the southeastern edge at a 15-foot shaft; it contains 16.7% fluorite over 2.2 feet. Sample #4 was taken from a small trench on the southeast continuation of the most northeastern trench (branch); it contains 13.3% fluorite over 3.3 feet.

The small mineralized hill is largely basalt with a limestone capping intruded by diorite. The northeastern mineralization is in diorite while the southwestern cut is more or less on a contact with the diorite and basalt. The limestone is a rather thin capping on the southwest side at the hill, probably about 10 feet thick. It is not known if the diorite intrusive is post limestone or pre-limestone.

Black Mountain cont'd

Occurrence:

The three trenches do not necessarily expose all the mineralization; other parallel veins were noted. All structures bear northwesterly with near vertical dips.

Conclusions:

Given proper economic conditions and nearby milling facilities for both barite and fluorite, this deposit may be of interest for further exploration. However, in the light of the usual shallow depth of fluorite mineralization and the relatively narrow one thickness here the future potential looks dismal.

Examined by William C. Hirt
and Victor E. Kral on May 7, 1975

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA

OWNERS MINE REPORT

ML-59

Date **November 7, 1942**

1. Mine **Lodi Barium Claim**
2. Mining District & County **Plomosa Mining District, Yuma County, Arizona**
3. Former name **"White Mountain"**
4. Location **Four miles N.W. Bouse, Arizona**
5. Owner **C. R. Allen, Mark Sere, C. B. Smith, J. C. Heine, and R. C. Bennett**
6. Address (Owner) **Yuma, Arizona**
7. Operator **C. R. Allen**
8. Address (Operator) **El Cento, California**
9. President
10. Gen. Mgr.
11. Mine Supt.
12. Mill Supt.
13. Principal Metals **Barrites**
14. Men Employed
15. Production Rate
16. Mill: Type & Cap.
17. Power: Amt. & Type
18. Operations: Present **Dormant**
19. Operations Planned
20. Number Claims, Title, etc. **One and millsite**
21. Description: Topography & Geography
22. Mine Workings: Amt. & Condition **Open cut exposing ore 120 feet long, several small shafts, condition good.**

23. Geology & Mineralization

DEPARTMENT OF MINERAL INDUSTRIES
STATE OF ARIZONA
OWNERS MINE REPORT

24. Ore: Positive & Probable, Ore Dumps, Tailings 3000 tons developed and in sight; pure white barium; 93 to 97%

24-A Vein Width, Length, Value, etc. Vein uncovered 200 feet in length, 5 to 12 feet in width; depth unknown; vertical; well formed walls solid capable of working open cut to considerable depth without brading

25. Mine, Mill Equipment & Flow Sheet None

26. Road Conditions, Route Good surfaced road (Swansea Road) claim lays 3/4 miles from road, easy accessible; \$250 of road work will place in excellent condition for heavy hauling.

27. Water Supply Well on premises; shallow water strata, capacity 1000 gallons per minute. Water good.

28. Brief History Prospected at 40 years; 1939-40 produced 60 carloads while in litigation.

29. Special Problems, Reports Filed

30. Remarks Considered attractive small property; easily worked, four miles to railroad; marketing of product hindered in past by monopoly on patents on barrites.

31. If property for sale: Price, terms and address to negotiate. Would sell at reasonable price and terms, or would operate under contract to take sufficient products to allow retrieving mill costs.

32. Signed.....RAY C. BENNETT.....

33. Use additional sheets if necessary.