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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: BLACK JACK GROUP

ALTERNATE NAMES:

MOHAVE COUNTY MILS NUMBER: 361A

LOCATION: TOWNSHIP 11 N RANGE 13 W SECTION 1 QUARTER SW
LATITUDE: N 34DEG 18MIN 58SEC LONGITUDE: W 113DEG 34MIN 13SEC
TOPO MAP NAME: ARTILLERY PEAK - 15 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
MANGANESE
BARIUM BARITE
CALCIUM CALCITE

BIBLIOGRAPHY:
ADMMR BLACK JACK MINE FILE
ADMMR MOHAVE CUSTOM MILL PROJECT
IC 7843, P 48, 1958
BLM AMC FILE 49658

MOHAVE CO. MILS

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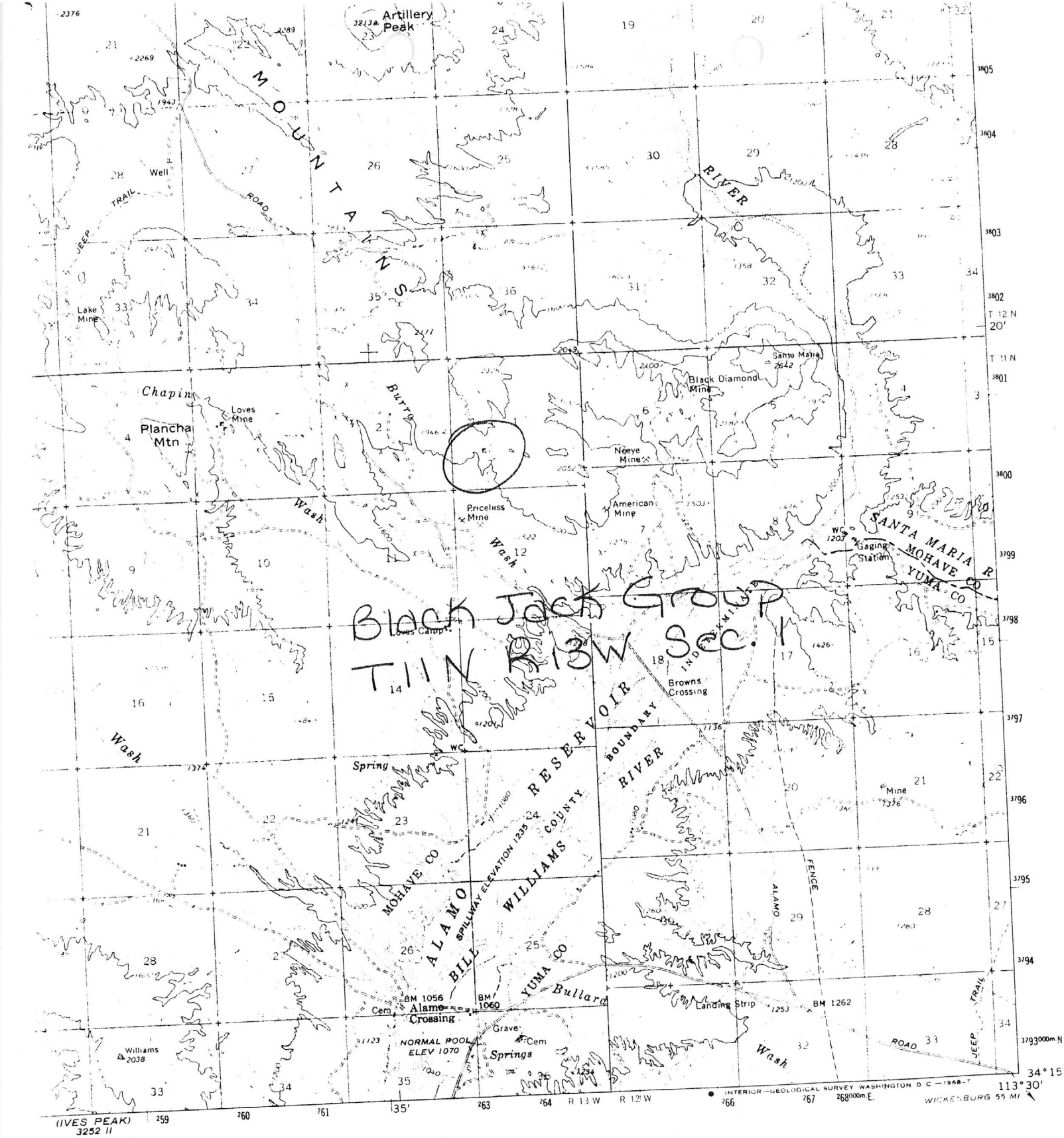
COMMODITY:
MANGANESE-PRIMARY
BARITE-(M)SULPHATE-BYPRODUCT
CALCIUM-(M)CALCITE-BYPRODUCT
BIBLIOGRAPHY:
USGS ARTILLERY PEAK QUAD
ADMR BLACK JACK MINE FILE
USBM IC 7843, P. 48
ADMR MOHAVE CUSTOM MILL PROJ. CARD FILE
AZ BLM AMC FILE 49658
Sitton Mill (f)



WITH NATIONAL MAP ACCURACY STANDARDS
EY, DENVER, COLORADO 80225, OR WASHINGTON, D. C. 20242
APHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ARTILLERY PEAK, ARIZ.
N3415—W11330/15

1966

AMS 3252 I—SERIES V798

BLACK JACK GROUP

MOHAVE COUNTY

Visited Floyd Brown at the Sitton Mill. He manages the mill, operating one shift per day for M. S. Clark (World Minerals Corp.) The ore supply is from the American and Black Jack mines leased to Floyd Brown by the owners. Floyd mines and ships the ore to World Minerals Corp. TPL WR 2-16-59

The Black Jack Mine, owned by Floyd Brown, Wenden, developed a good grade of manganese, but excessive barite content forced suspension of the work. TPL WR 5-23-59

See Sitton Mill (File)

BLACK JACK GROUP 1958 MOHAVE COUNTY
ARTILLERY MTNS.

The Black Jack group of three unpatented claims is approximately one-half air mile north-northeast of the Priceless pit in the center of SW¼,Sec.1,T.11N.,R.13W. The deposit is reached by a steep, rough, truck trail from the north end of the Priceless pit.

The claims were located by Roy Eaton, who later sold them to S. J. Love, the present owner . The Arizona Metals Co., of Wenden, Ariz. , leased the property and shipped 1,230 long tons of sorted crude ore containing 20.6 percent manganese to the Wenden purchasing depot in 1954. The property was inactive when visited in August 1955. The major work consists of a 120-foot adit driven N. 35° W.and a 60-foot branch driven N. 60° W. from 20 feet within the main adit. Both drifts have been connected by raises or open stopes into surface cuts up to 40 feet above. A 12-foot pit 6 feet wide and 15 feet long had been excavated outside the portal.

The longer adit follows a fault contact of the Artillery formation against granite to the north-east. The branch adit follows a fork of this fault and cuts into the Artillery formation. Both faults dip steeply west. An ore body of 6 to 8 feet of manganiferous material has been mined along these fault zones. The gangue minerals are barite and calcite.

On the hillside about 500 feet southeast of the main workings a small lens of manganese ore was opened by a short adit, from which a raise connected to a small surface cut above. The vein here is 2 to 3 feet wide and is a continuation of the vein that follows the major fault contact.

Taken from "Manganese Deposits of Western Arizona" USBM -I.C. 7843 p. 48

Name of Mine or Prospect:	Township	Range	Section	Priority
Black Jack Group	11N	13W	12 db	C
Principal Minerals:	1:250,000 Quad		7.5' - 15' Quad	
Psilomelane, Pyrolusite	Prescott		Artillery Peak	
Associated Minerals:	District		Principal Product	
Barite, Calcite	Artillery Mtn.		Manganese	
Type of Operation:	County	State	Type of Deposit	
Underground: Adits, Stopes	Mohave	Ar.	Sedimentary Host	

Ownership or Controlling Interest:
S.J. Lowe (1958)[2]

Access: From Brown's Crossing T11N, 13W, S18, proceed north on Alamo Road 1.5 miles. Prospects (unnamed) are located on north side of road.

Structural Control or Geological Association:
"The longer adit follows a fault contact of the Artillery formation against granite to the northeast. A branch adit follows a fork of this fault and cuts into the Artillery formation. Both faults dip steeply to the west. An ore body of 6 to 8 feet of manganiferous material has been mined along these fault zones. The gangue minerals are barite and calcite."[2]

Age of Mineralization:

Production History	Geochemical Analyses
(1954)[2] 1230 long tons at 20.6% Mn.	

References

1) Mallach (1977), p. 35.
2) Farnham & Stewart (1958), p. 48.