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07/17/90

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: EXTENSION

ALTERNATE NAMES:

SANTA CRUZ COUNTY MILS NUMBER: 11B

LOCATION: TOWNSHIP 20 S RANGE 14 E SECTION 29 QUARTER W2  
LATITUDE: N 31DEG 39MIN 48SEC LONGITUDE: W 110DEG 56MIN 08SEC  
TOPO MAP NAME: MT WRIGHTSON - 15 MIN

CURRENT STATUS: EXP PROSPECT

COMMODITY:

LEAD  
COPPER  
SILVER

BIBLIOGRAPHY:

ADMMR EXTENSION MINE FILE

EXTENSION MINE

SANTA CRUZ COUNTY

This property active Feb. 1961, Oct. 1961

Active Feb. 1962, 2 men working.

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Learned that the Extension Mine, which was operated by Henry Worsley, P. O. Box 11, Amado, Ariz., has now been closed down for several months. Reason is lack of sufficient finances.

AXEL L. JOHNSON - Arivaca Conference - 1-8-63

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See: G. W. Irvin Report of August 31, 1965 in Glove Mine file.

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Mine visit to Henry Worsley's mine east of the Glove - Assessment work only.

GWJ WR 9/10/66

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**ALONA DEPARTMENT OF MINER. RESOURCES**  
**Mineral Building, Fairgrounds**  
**Phoenix, Arizona**

1. Information from: Engineers visit  
Address: \_\_\_\_\_
2. Mine: ~~Glove~~ Extension 3. No. of Claims - Patented none  
Unpatented ?
4. Location: Cottonwood canyon
5. Sec 29 Tp 20S Range 14E 6. Mining District Tyndall
7. Owner: Henry Worsley
8. Address: Amado Arizona
9. Operating Co.: Not operating
10. Address: \_\_\_\_\_
11. President: \_\_\_\_\_ 12. Gen. Mgr.: \_\_\_\_\_
13. Principal Metals: \_\_\_\_\_ 14. No. Employed: 0
15. Mill, Type & Capacity: \_\_\_\_\_
16. Present Operations: (a) Down ☐ (b) Assessment work ☒ (c) Exploration ☐  
(d) Production ☐ (e) Rate \_\_\_\_\_ tpd.
17. New Work Planned: Mr. Worsley has a dozer on the property and is ~~will~~  
building roads.  
(Talking with CF&I Steel Corp) (Not for publication at this time)
18. Misl. Notes: \_\_\_\_\_  
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Date: 3-26-69

  
(Signature)

(Field Engineer)

DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine : Extension Mine

Date Sept. 9, 1960

District Tyndall District, Santa Cruz Co.

Engineer Axel L. Johnson

Subject: Field Engineers Report. Personal visit & information from Henry Worsley.

Location: Sec. 29 - T 20 S - R 14 S - about  $8\frac{1}{2}$  miles east of Amado, and about  $\frac{1}{2}$  mile north of the Glove Mine.

No. of Claims: 18 unpatented claims, adjoining and to the north of the Glove claims.

Owners & Operators: ' Henry Worsley, P.O. Box 11, Amado, Arizona.  
' Otho V. Kinsley, Tucson, Arizona

Principal Minerals: 'Lead, with a small amount of Copper & Silver.

Present Mining Activity: Shaft sinking - 2 men working.

Geology & Mineralization: Mr. Worsley states that the geology and mineralization is the same as the Glove Mine (see report of the Glove Mine under date of Dec. 3, 1954), except on the Extension, the strike is about N 12° E and the dip about 77° to the east.

Ore Values: Mr. Worsley reports that the ore averages 23% lead, 2% copper and 6 oz. of silver. This is nearly all oxides, with only a small amount of galena, the principal minerals being cerussite, anglesite, malachite and pyrolusite.

Milling & Marketing: Will be direct shipping ore.

Past History: None. This is a new development.

Present Operations: Owners are sinking an 80° incline 2 compartment shaft, work being started in March, 1960, and present depth of shaft being about 58 ft. The shaft measures 8'-0" by 4'-6" (inside measurements), and is timbered the full distance. It is sunk in the limestone, near the contact with the intrusive igneous rocks, which are on the hanging wall side.

Some ore has shown up on the hanging wall side of the shaft, this ore being about 2 ft. wide at a depth of 38 ft. below the collar.

Equipment used is viz: -

- (a) Hoist with 6 cylinder engine.
- (b) C.P. air compressor - 125 c.f.m.
- (c) Blower with 5 HP Briggs & Stratton engine.
- (d) 750 lb. bucket.
- (e) Jackhammer drill
- (f) Arc welder

Progress is now about 3 ft. per week. 24 holes each  $3\frac{1}{2}$  ft. deep are drilled per round, the round breaking to an average depth of 3 ft. The center 8 holes are first drilled and blasted, followed by 8 holes on one side, and then followed by the remaining 8 holes.

The ore encountered is hoisted separately from the rock and dumped into a 40 ton ore bin. There are now about 6 tons of ore in the bin.

Proposed Plans: Operators plan to cut a station at either a 75 ft. or 100 ft. depth, and then drift along the contact. They expect to ship their ore to the A.S. & R. smelter at El Paso, Texas.

Additional: The University of Arizona owns 2 patented mining claims, the Isabella & the Black Diamond, adjoining the Extension claims on the north. They have been idle since 1947.