



## **CONTACT INFORMATION**

Mining Records Curator  
Arizona Geological Survey  
1520 West Adams St.  
Phoenix, AZ 85007  
602-771-1601  
<http://www.azgs.az.gov>  
[inquiries@azgs.az.gov](mailto:inquiries@azgs.az.gov)

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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HORN CLAIMS

ALTERNATE NAMES:

LA PAZ COUNTY MILS NUMBER: 262

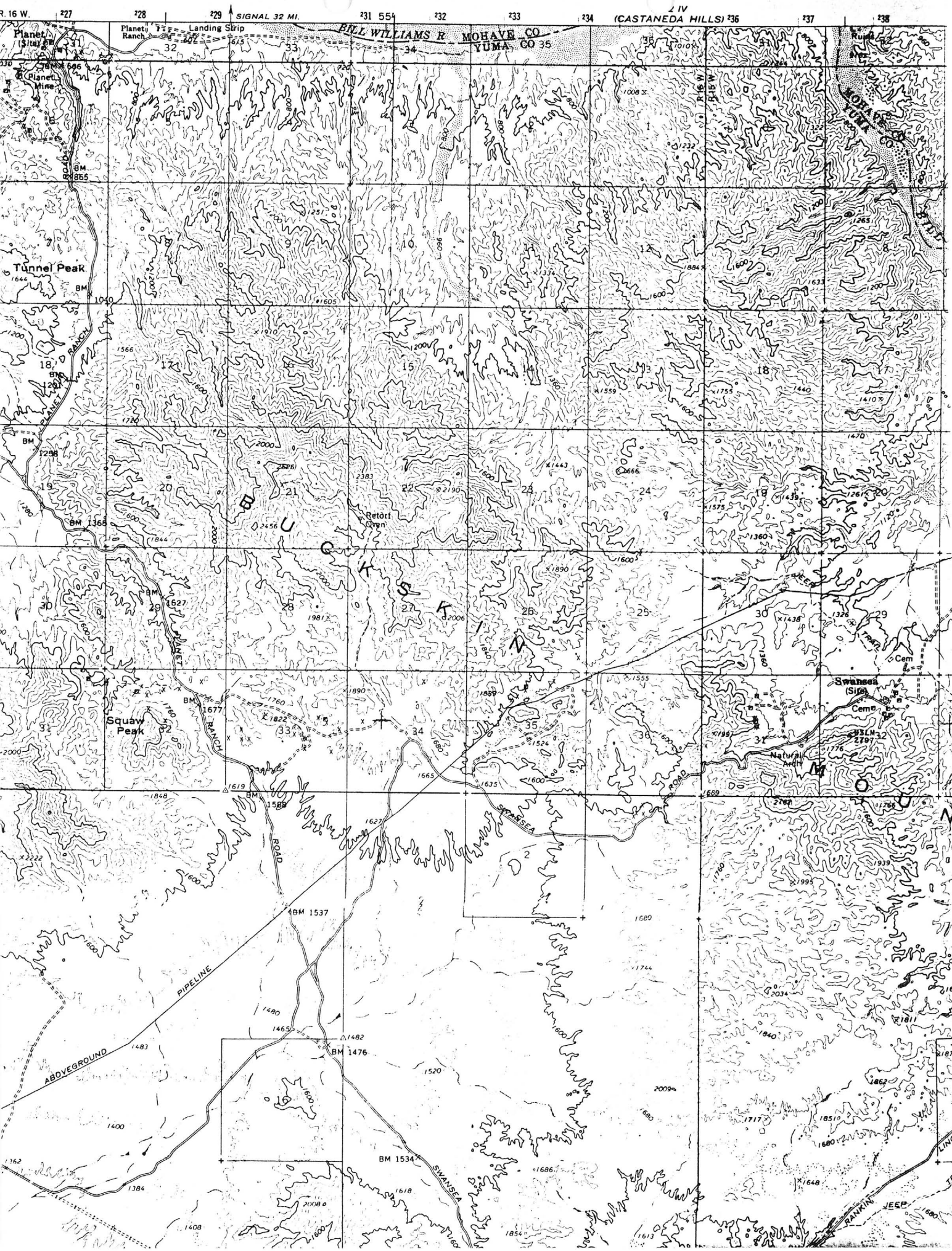
LOCATION: TOWNSHIP 10 N RANGE 16 W SECTION 28 QUARTER C  
LATITUDE: N 34DEG 09MIN 54SEC LONGITUDE: W 113DEG 55MIN 44SEC  
TOPO MAP NAME: SWANSEA - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:  
IRON HEMATITE

BIBLIOGRAPHY:  
AZBM FILE DATA  
ADMMR HORN CLAIMS FILE

INTERIOR  
VEY



DEPARTMENT OF MINERAL RESOURCES

STATE OF ARIZONA  
FIELD ENGINEERS REPORT

Mine ' Horn Claims

Date August 29, 1961

District Cienega District, Yuma Co. ( 5 miles  
due west of Swansea)

Engineer Lewis A. Smith

Subject: Interview with H.C. Horn

Claims: 9

Owners: ' H.C. Horn et al, Box 1672, Parker, Arizona

Mineral: ' Iron (hematite)

Work: Bulldozer cut along iron ore outcrop 200 feet long x 20 feet wide x 10 feet deep, is being made and there are several location shafts and cuts. Further bulldozer work planned so as to remove 6-10 feet of overburden from the iron ore outcrop, along a ridge. The iron ore outcrop is hard and stands in bold relief.

Geology: Hydrothermal replacement of sediments mostly by specular hematite in bands approximately 60-100 feet wide by over a mile long. Thickness of the relatively flat dipping iron ore bed is not known, but it is estimated by Horn to roughly be at about 65-75 feet. The analyses show an average grade of about 57 per cent iron, but the range is between 55 and 65 per cent iron depending on the impurity content which appears to be low. Along the south end of the outcrop some oxide copper was seen. Horn thinks copper could underlie iron ore.

Plans: Mr. Horn stated that Kaiser had offered him \$12.00 per ton for 57 plus per cent ore, f.o.b. Fontana. Another company offered him 50 cents per ton royalty. He at present favors the latter offer. The freight rate from Bouse (16 miles from the mine) is \$4.10 to San Pedro, California, and Horn has an offer of \$1.50 per ton to truck the ore from the mine to Bouse. He figured that several hundred thousand tons of ore would require little or no stripping and a half million or more tons would have 6-10 feet of overburden. The hill occupied by the ore bed slopes toward a big canyon where the waste stripping can be dumped. The pitch of the ore body, according to Horn, is almost the same as the hill slope. He believes that the ore can be mined for \$2.00 to \$2.50. All costs should not be more than \$900-\$10.00 including capital, amortization, maintenance of equipment etc.