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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: HOP SAGE

ALTERNATE NAMES:

PIMA COUNTY MILS NUMBER: 725

LOCATION: TOWNSHIP 18 S RANGE 8 E SECTION 17 QUARTER C
LATITUDE: N 31DEG 51MIN 40SEC LONGITUDE: W 111DEG 33MIN 18SEC
TOPO MAP NAME: BABOQUIVARI PEAK - 15 MIN

CURRENT STATUS: UNKNOWN

COMMODITY:

COPPER SULFIDE
MOLYBDENUM
SILVER
BERYLLIUM

BIBLIOGRAPHY:

ADMMR HOP SAGE GROUP FILE
ADMMR SHAMROCK CLAIMS FILE
ADDITIONAL HOLDING IN T18S-R8E, SEC. 7, 18-20



STATE OF ARIZONA
DEPARTMENT OF MINERAL RESOURCES

MINERAL BUILDING, FAIRGROUNDS
PHOENIX, ARIZONA 85007

602/255-3791

HOP SAGE GROUP

PIMA COUNTY
BABOQUIVARI DISTRICT
T18S, R8E, sec 17,18,19,20,7

MILS HOP SAGE #0040190732

see also: SHAMROCK CLAIMS (file) Pima

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

FILED
JUL 20 1964

Date 7-18-64

1. Mine: Shamrock and Hop Sage Claims
2. Location: Sec 17-18-19 Twp. 18 S. Range 8 E Nearest Town Tucson Distance 50 MI
Direction N.E. Nearest R.R. Tucson Distance
Road Conditions good
3. Mining District and County: Baboquivari, Pima
4. Former Name of Mine: none
5. Owner: W. Roper, Dale Hancock & Associates
Address: 1503 W. Reliance St. Safford, Ariz
6. Operator:
Address:
7. Principal Minerals: Copper, Molybdenum, Beryllium
8. Number of Claims: Lode 94 U.S. Patented ^{2/4} See State Unpatented
Placer none Patented Unpatented
9. Type of Surrounding Terrain: To SW - foothills and mts. To SE, Valley Land
10. Geology and Mineralization: Pegmatite and gneiss intrusions thrusting N.E. from underneath andesite conglomerate mountain, breaking into and faulting along Pegmatite. Heavy fracturing running NW to SE, Quartz stringers cutting pegmatite mostly NW-SE. At least 3 sets of small quartz stringers, premineral and barren criss-cross formation. Mineralization shows in 4th deposition of quartz and
11. Dimension and Value of Ore Body: Some evidence of fractures values over 4 sq. miles, no ore body yet. 4-100ft holes and 2-50' (NX core) show some disseminated Chalcopyrite and molybdenite.

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.

no engineers Report

(over)

12. Ore "Blocked Out" or "In Sight": *None*

Ore Probable: *unknown*

13. Mine Workings—Amount and Condition: *None*

No.	Feet	Condition
Shafts... <i>None</i>		
Raises... <i>None</i>		
Tunnels... <i>None</i>		
Crosscuts... <i>None</i>		
Stopes... <i>None</i>		

14. Water Supply: *Probably 15 miles to good well site*

15. Brief History: *None - Virgin ground*

16. Remarks:

17. If Property for Sale, List Approximate Price and Terms: *Will option to any major mining co. for plenty of time for exploration drilling. End Price 2,000,000.⁰⁰*

18. Signature: *W.D. Hooper*

DEPARTMENT OF MINERAL RESOURCES
STATE OF ARIZONA
FIELD ENGINEERS REPORT

FILED
JUL 28 1964

Mine : Hop Sage Group

Date June 26, 1964

District Baboquivari District, Pima Co.

Engineer Axel L. Johnson

Subject: Mine Visit. Information from Dale I. Havens & W. D. Roper & personal visit.

Location Sections 17, 18, 19, 20, & part of 7 -- T 18 S - R 8 E . Drive west from Tucson on Hwy # 86. At a point 8.8 miles west of Three Points, turn left (south) on road called Coleman Ranch road. Drive south on this desert road for a distance of 14.7 miles to some ranch buildings. Drive through two gates near the ranch buildings, and continue beyond the gates for a distance of 0.7 miles to the claims.

Owners W. D. Roper, 1503 W. Relation St., Safford, Ariz.
Dale I. Havens, 3738 E. Nebraska Strav., Tucson, Ariz.

Number of Claims (1) 65 claims on Federal mineral rights, with the State owning surface.
(2) State prospecting permits on 2 1/4 sections of State land.
The claims were located in April and May, 1964 --- location work now being done.

Principal Minerals Copper and molybdenum, with a little silver.

Present Activity Rotary and diamond drilling for location work, according to new State law --- Senate Bill No. 63. 3 men working.

Geology Rhyolite intrusive in andesite, with numerous pegmatite dykes and quartz veins and stringers. The rhyolite intrusive strikes NW-SE, is several miles long and about one mile wide. Outcroppings of copper are found in the rhyolite, near the andesite contact. Copper minerals are also found in the quartz veins and stringers, and also occur as veinlets in the pegmatite dykes.

Old Mine Workings This is a new project. No old mine workings are reported.

Review of Operations

(1) Claims were located in April and May, 1964

(2) Drilling for location work was started on June 25, 1964, the first drill hole being down 32 ft. at the time of the engineer's visit. Owners are confident that they will be able to finish the location work before the expiration of the 120 days limit. Drilling is now being done in Sec. 17, which is near the center of the property.

A Joy 22 Diamond drill is used for this work. The drill rig is owned by W. D. Roper, and the drilling is done by W. D. Roper and Dale I. Havens, with the help of one other man. A 3 1/2 in. rotary bit is used near the surface, and, when bed rock is reached a diamond bit will be used, obtaining an NX core. Operators stated that they expect to drill some 100 ft. holes and some 50 ft. holes.

At the time of the engineer's visit, the operators had trouble losing water in the hole, and they were adding Wyo*Jel (Wyoming bentonite), and also bran to stop the loss of water in the hole. They had some cement on hand, also, in case it would become necessary to cement the hole.