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ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES FILE DATA

PRIMARY NAME: DEMOCRAT

ALTERNATE NAMES:
SPARTAN MINING CO.

MOHAVE COUNTY MILS NUMBER: 560A

LOCATION: TOWNSHIP 20 N RANGE 15 W SECTION 33 QTR. SE
LATITUDE:N 35DEG 04MIN 09SEC LONGITUDE:W 113DEG 51MIN 38SEC
TOPO MAP NAME: DEAN PEAK - 7.5 MIN

CURRENT STATUS: PAST PRODUCER

COMMODITY:
SILVER-PRIMARY
URANIUM-(M)U308 CONTENT-PRIM.
GOLD-(M)LODE-COPRODUCT
ARSENIC-(M)BYPROD.-BYPRODUCT
COPPER-(M)SULFIDE-BYPRODUCT
COPPER-(M)OXIDE-BYPRODUCT

BIBLIOGRAPHY:
USGS DEAN PEAK QUAD
ADMR FILES
ADMR MOHAVE CUSTOM MILL PROJ. CARD FILE
ADMR DEMOCRAT MINE FILE
AEC PRELIM. RECONN. RPT., 172-485, P. 64
MALACH, R., HUALAPAI MOUNTAINS
CONFLICTING LOCATION INFO - ADMR FILES,
SEC. 12, T19N-R15W
MALACH, R., MOHAVE CO. PLACER NAMES, P. 26
ABM BULL. 180, P. 295

from: W.H. Crutchfield Jr. Mohave County Prospect Assessment Compilation (post 1982)

Name of Mine or Prospect	Township	Range	Section	Priority
Democrat Mine	20N	15W	33 dda	C

Principal Minerals:	1:250,000 Quad	7.5' - 15' Quad
Gold and Silver	Williams	Dean Peak

Associated Minerals:	District	Principal Product
Fine Pyrite, Sphalerite , Arsenopyrite , Galena	Maynard (Hualpai)	Gold and Silver

Type of Operation:	County	State	Type of Deposit
Underground: Adits, Shafts	Mohave	Ar.	Vein

Ownership or Controlling Interest:
Dick Hart, Adrion Skinner, Scott Ellis, Kingman, Ar. (1955)[1]

Access: From Kingman, Ar. proceed southeast on Hualapai Mountain Road for 15.5 miles to Pine Lake. Turn right on fire trail for 2 miles south. Turn left to mine - 25 miles. Mine is located on topographic quadrangle.

Structural Control or Geological Association:
"Property is near the summit of Hualapai Mountain at about 600 feet elevation; fissure vein in shear zone; vein pinches and swells from 1 to 4 feet thick, and strikes northwest, dips 45°NE."[1]

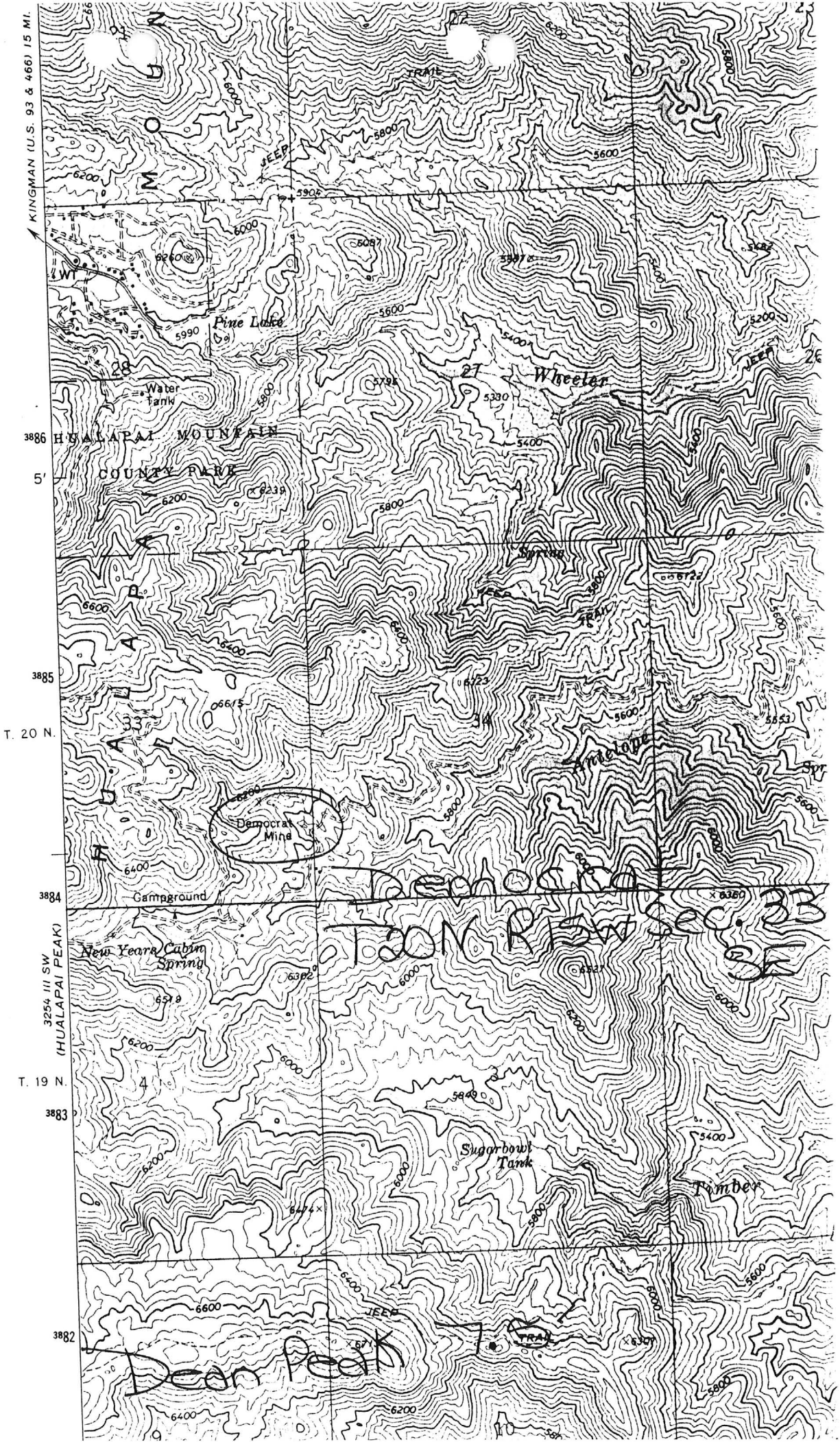
"Narrow vein systems occur along faults that strike north-northwest and dip steeply northeast in a Precambrian diorite to granodioritic gneiss host rock. Foliation in the host rock strikes N45° to 55° E and dips steeply (> 85°) southwest. There does not appear to be any potential for a large, low-grade deposit minable by open-pit methods.[4]

Age of Mineralization:

Production History	Geochemical Analyses
	Radioactivity Background: 40 cps Maximum (#3 tunnel): 3000 cps

References

1) AEC (1970) p. 105
2) Aeroservice (1979), Anomaly W-17.
3) CETA, map file Rack #10, claim and underground maps.
4) Exploration Research Associates Inc., Field Reconnaissance, 23 July 1981
5) Mallach (1975), p. 19-21


KINGMAN (U.S. 93 & 466) 15 MI.
HUALAPAI MOUNTAIN
COUNTY PARK
Pine Lake
Water Tank
Wheeler
Spring
Antelope
Democrat Mine
Campground
New Years Cabin Spring
Sugarbowl Tank
Timber
Dean Peak
T. 20 N.
T. 19 N.
3254 III SW (HUALAPAI PEAK)
3886
3885
3884
3883
3882
5'
TRAIL
JEEP

Arizona Department of Mines and Mineral Resources

INFORMATION FROM MINE CARDS IN MUSEUM

ARIZONA MM 1388 Radioactive Ore

MOHAVE COUNTY

DEMOCRAT MINE

MILS #560A
1-AKA
Democrat (field)

DEMOCRAT MINE MOHAVE

Tried to cont a ct Dick Hart who has made a recent discovery of what is reported to be some good scheelite north of Cottonwood Wash northwest of Chloride. GW WR 4/6/72

~~DO NOT REPRODUCE~~

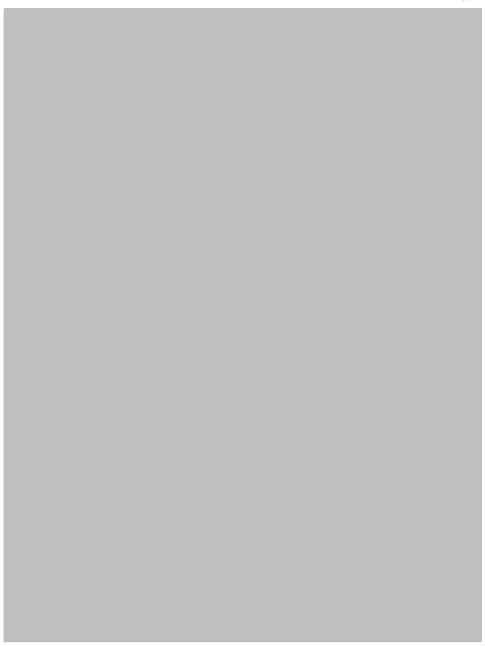
RIH

DEMOCRAT MINE

MOHAVE COUNTY
MAYNARD DIST.

Feb. 23, 1961 - Visited the Democrat mine in the Maynard district south of Kingman. The trip was made in Mr. Edmund White's car (61) miles. This was a well known early day silver producer. No serious work has been done for many years. Mr. White has a lease on the property from the owner, Mrs. Vukoye. old workings caved.

TRAVIS P. LANE - Weekly Report Feb. 24, 1961



Mining World 2-56

*

The vein is a mesothermal fissure-filling type carrying gold and silver in a gangue of quartz, hematite, limonite, and pyrite.

Uranium minerals are not in the quartz ledge but were introduced into the zone of post-mineral faulting in the footwall block some 30 feet north of the vein. Spurs from the footwall of the quartz vein extend nearly horizontally into the wall rock for a distance greater than 80 feet. They vary in width from a foot or so near the main vein and gradually taper down to only a few inches near their tip. Normal faulting displaced the spurs from a few inches to three feet, and it is through these faults that the uranium was deposited.

Gouge fills the fault planes, ranging in thickness from only a fraction of an inch to eight inches. Autunite is abundantly disseminated throughout the gouge and wallrock adjacent to the faults. Apple-green fluorescent autunite is present throughout the crosscut, but is noticeably more abundant along and near the faults. The wall rock is generally slightly to moderately altered and each fracture or incipient fracture has a moderate coating of autunite.

The other workings at this mine showed very little or no uranium minerals.

Reprint from RME-4026. page 44 is map.

6-1953

Democrat Mine

Introduction

The presence of radioactive minerals in the Democrat mine was first discovered by Mr. Dick Hart in February 1953. A detailed examination by the authors in March 1953, showed strong radiometric

anomalies on an arsenopyrite-pyrite, gold-silver vein accessible in tunnel No. 3.

Location and ownership

The Democrat mine is located about 18 air miles southeast from Kingman (33 miles by road) in the Maynard Mining District near the crest of the Hualapai Mountains, in Sec. 12, T. 19 N., R. 15 W. of the Gila and Salt River Base Meridian.

It is accessible over a rough unimproved side road beginning about 25 miles southeast from Kingman on U. S. Highway 93. It is at an elevation of about 6000 feet and heavy winter snows would stop operations.

The property is supposed to consist of two unpatented claims owned by Mrs. Sylvia Vukoye, 8025 Bellingham Avenue, North Hollywood, California, under lease to Dick Hart, Adrion Skinner, and Scott Ellis (Sevier Minerals, Richfield, Utah) of Kingman.

History

The Democrat is located in the district of the Hualapai Mountains from which much high-grade gold and silver ore was mined in the 1860's and 1870's. It was hauled by pack burros to the Colorado River, there loaded on boats, floated to the Gulf of California, and thence carried by sailing vessels to Swansea, Wales, for smelting. Reliable sources state that the returns on these ores were $100 to $150 a ton after all expenses.

Development

The property is developed by three adits and a 45° inclined shaft, all on the vein (Fig. 9). The lowest accessible level is tunnel No. 1, which intersects the shaft about 300 feet from the portal and extends beyond the shaft another 100 feet, where the drift is plugged by a cave. No significant radioactivity was detected on this level. The shaft is plugged at the collar but in good condition below that point to tunnel No. 1, which is the water level in the shaft. Tunnel No. 2, 100 feet above No. 1, is caved at the portal; this is the level the lessees plan to open to exploit this vein. Tunnel No. 3, 50 feet above No. 2, is open and extends along the vein for 207 feet where caving has closed the drift. This level contains the only accessible exposures of vein carrying uranium. Considerable stoping has been carried out over this drift as can be seen on Fig. 9. Another drift about 500 feet long was run on another vein 1000 feet west of the Democrat vein. No significant radioactivity was detected in this development heading.

General geology and mineralogy

The Democrat vein is a hydrothermally filled fault fissure which strikes N. 15° W. and dips 42° to 45° to the east, in a host rock of pre-Cambrian granite, gneiss, and schist. Thickness of the vein varies from 1 to 4 feet.

Weathering has had a strong effect on the vein and no sulphides are apparent until 40 to 50 feet below outcrop. Remnants of sulphides

are represented by streaks of limonite stains on the heavily weathered fault gouge that is common all along the structure.

Alteration has been extensive in both hanging and foot walls, and chlorite and sericite are common; feldspars are moderately to extensively kaolinized, with mafics sometimes totally removed and only limonite stains remaining.

Mineral associations suggest a mesothermal deposition of this vein. Ore composition is gold and silver in arsenopyrite and pyrite, with a little chalcopyrite and copper sulphate in stringers from a fraction to several inches wide, and several tens of feet in length. The sulphides are very friable and extremely fine-grained. The gouge is usually limonite stained. Very little quartz and a little fluorite are present in the vein.

The irregular surfaces of the fault plane cause much pinching and swelling of the vein, particularly up and down the dip. The vein widens into swells four feet across and pinches to a foot or so in a distance of 20 feet. This characteristic is also common along the strike, but the swells are not so abrupt or recurrent as along dip.

Radioactivity is detected in significant amounts in the sulphides below the general depth of weathering. The uranium mineral is probably uraninite and occurs finely disseminated through the sulphides. Secondary uranium minerals could not be found, nor could any uranium mineral be recognized by eye.

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COMINCO AMERICAN RESOURCES INCORPORATED
RENO EXPLORATION OFFICE

B-39

PROJECT: _____
DRILL NO: B-39
PROPERTY: _____
LOCATION: N _____ E _____
COUNTY: _____
STATE: _____

ELEVATION: _____
T.D. _____
INCL. _____
VERT. SCALE _____

LOGGED BY: _____
COMMENCED: _____
COMPLETED: _____
DRILLED BY: _____

	LITH	STRAT	DESCRIPTION	ALTERATION								ANALYSES	
				CaCO3	Silic	Argill	Lim	J%	H%	G%	Sulf%	Sample #	Au ppb
300												333539	—
305												333540	—
310												541	—
315												542	—
320												543	—
325												333563	—
												544	—
330												545	—
335												546	—

WHICH IS THE REAL DEMOCRAT MINE??

T20N R15W SEC 33
KERR McKee OTHERS 1980

T19N R15W SEC 12
(KERR McKEE 1980+