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PRINTED: 04/17/2002

ARIZONA DEPARTMENT OF MINES AND MINERAL RESOURCES AZMILS DATA

PRIMARY NAME: NAOE GROUP

ALTERNATE NAMES:

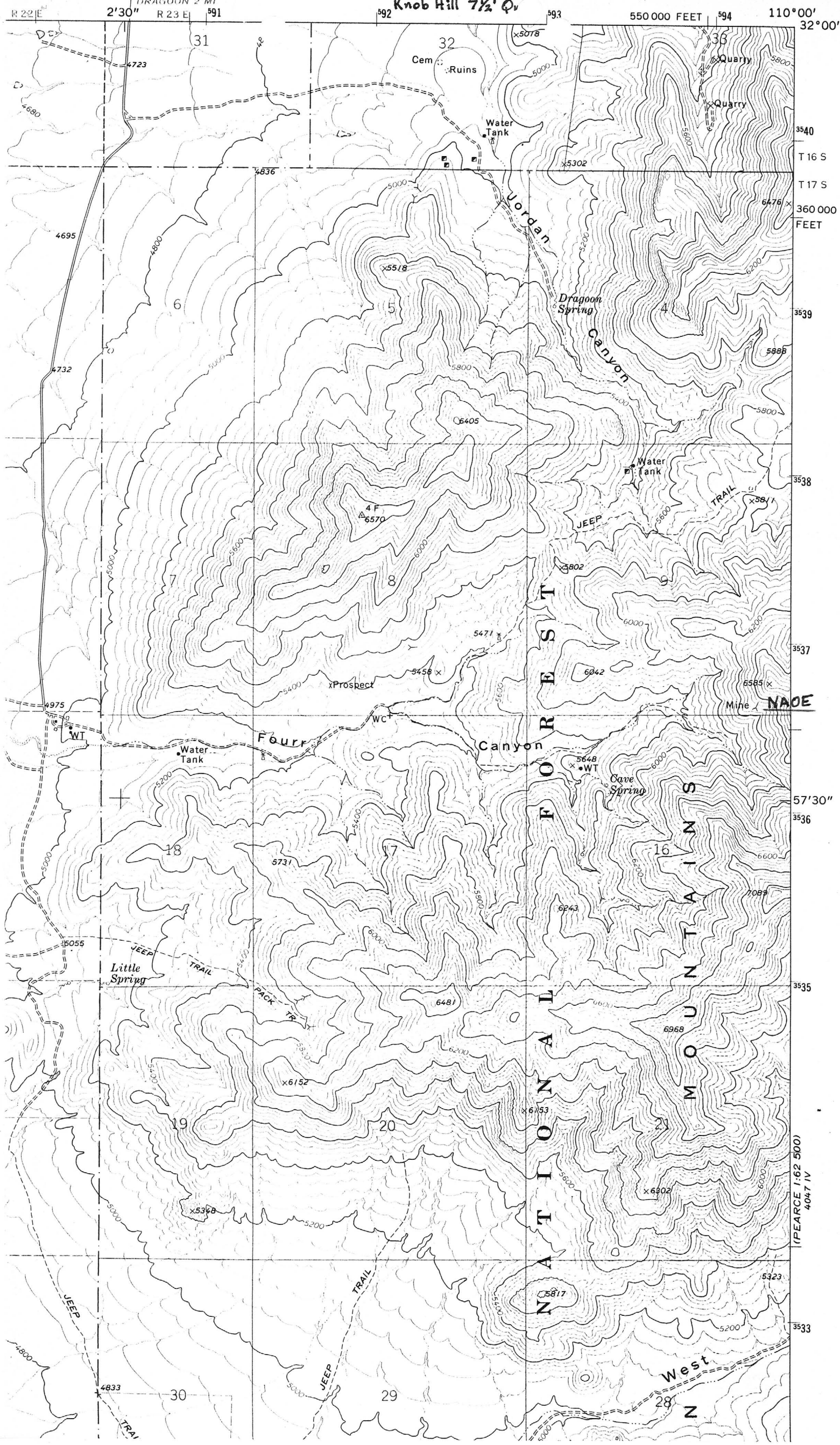
COCHISE COUNTY MILS NUMBER: 753

LOCATION: TOWNSHIP 17 S RANGE 23 E SECTION 9 QUARTER SE  
LATITUDE: N 31DEG 57MIN 48SEC LONGITUDE: W 110DEG 00MIN 07SEC  
TOPO MAP NAME: KNOB HILL - 7.5 MIN

CURRENT STATUS: RAW PROSPECT

COMMODITY:  
LEAD  
SILVER

BIBLIOGRAPHY:  
ADMMR NAOE GROUP FILE  
CLAIMS EXTEND INTO SEC. 16



NAOE GROUP

4/85

COCHISE COUNTY  
T17S R23E Sec 9, 16  
Dragoon Dist.

MILS Index #753

USGS Knob Hill 7.5 (Included in file)

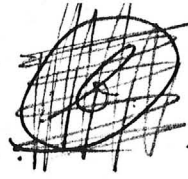
NAOE GROUP

COCHISE COUNTY

MG WR 4/5/85: Mr. John J. Bettoni, P O Box, North Palm Springs, Ca. 92258  
owns the NAOE Group (file) Cochise County, Dragoon Dist.

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UNITED STATES  
DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
Southwestern Region  
Albuquerque, New Mexico



MEMORANDUM MINERAL REPORT  
(For Administrative Use Only)

2810 - CORONADO; Willcox RD

Bettoni, John - Mining & Exploration operations and  
Minerals Exploration Co. - Exploratory Diamond Drilling by Joy Mfg. Co.

November 19, 1974  
Date of Examination

Gilbert J. Matthews  
Mineral Examiner

February 19, 1975  
Date of Report

Category: Surface Resources P&M

Claim Names: Not determined

Brief of Conclusions and Recommendations:

Bettoni - From apparent mineralization, proposed mining and/or exploration activities are reasonable.

2 Minerals Exploration Co. - Present exploratory diamond drilling operations are reasonable and causing minimal environmental damage.

Approved:

Jack McK. Pardee  
Chief Mineral Examiner

2/24/75  
Date

## TOPOGRAPHY AND VEGETATION

The subject mine workings are situated on the dissected western slope of the northerly portion of the Dragoon Mountains at an average elevation of 6200' above sea level. The average precipitation of around 12 inches and thin rocky soil cover supports but scant chaparral type vegetation as attested to by attached photos.

## GEOLOGY AND MINERALIZATION

Contacting shaley, and crystalline limestones, classified Cretaceous, and Carboniferous and Devonian on Arizona Bureau of Mines Geologic Map of Cochise County, outcrop the general mine working area. A quite wide northward trending aplitic dike zone outcrops the limestone just west of the mine workings described below:

Lower Adit - This adit was driven northerly 130' in barren appearing limestone to a face of limestone, also barren in appearance. Bill Bettoni advised this heading is being driven with the hopes it will intersect the ore zone.

Intermediate Adit - This adit, portal of which is viewed by attached Photo "C", runs N. 45°E - 78' in barren limestone and shale to a face of barren limestone with a wooden chute retaining broken high grade lead-zinc ore behind chute boards. There is no manway in this raise or ore pass necessitating a return to the surface and a steep climb to the upper working, viewed by attached Photo "E".

Upper Working (see attached Photo "E") - From the remnants of ore remaining on the hanging wall and floor of this stoped area apparent at or near the surface, it is assumed this was the discovery point of what appears to be pockety metasomatic limestone replacements along a northeasterly trending and northwest dipping fracture zone in the shaley limestone. It was noticed a small amount of minable high grade sphalerite-argentiferous galena remained in this stoped area. Also, it was recognized the property has exploratory potential. No samples of this obviously high grade material was taken.

## OTHER DATA

When the writer arrived at the Bettoni temporary camp at Cave Spring, (see locality map, Attachment No. 1 and attached Photo "A"), it was learned from Bill, John Bettoni's son, that his father had gone to Tucson on business. Bill offered to drive the writer to the lower mine working in their four-wheel drive vehicle from where we hiked to the intermediate adit and the upper working,



## LANDS INVOLVED

T. 17 S., R. 23 E., G&SRB&N, Cochise County, Arizona  
Parts of Sections 9 and 16

Involving John Bettoni's lode mining claims.

## RECORD DATA

Cochise County records were not searched for the recordings of claims filed by or acquired by John Bettoni.

The cursory examination of Bettoni's operation was made in response to a telephone request made by Harry Little, Willcox DR, to look in on Bettoni's operations in Four Canyon and Minerals Exploration's diamond drilling operations in Jordan Canyon on the writer's way to Douglas, Arizona on another work assignment, November 19, 1974. The two areas visited are outlined in red on Locality Map, Attachment No. 1, which is a reproduction of an appropriate portion of a composite of 1" = 1 mile scale Coronado NF Aerial Planimetric Quadrangle maps Nos. 450 and 451.

## LOCATION, ACCESS, AND IDENTIFICATION

Bettoni's mining claims are situated in the Willcox Ranger District of the Coronado National Forest and in the Dragoon Mining District. The writer visited the property unaccompanied.

The road distance to Bettoni's mine workings, viewed by attached Photos "C", "D", and "E", from Dragoon, Arizona is about 7½ miles.

To reach the property from Dragoon, drive southward about 2½ miles on semi-improved dirt road, marked Forest Service Trail 687, to a junction with a road entering from the east or left. Continue straight, traversing quite large Jordan Canyon wash and southward about 2.2 miles to a four way road junction. Turn left, and by permission, pass through the Four Ranch headquarter's fenced yard, proceeding about 1.05 miles to a primitive road junction. Take the right hand road and proceed about 0.4 mile to yet another primitive road junction. Again take the right hand road and proceed about 1½ miles to the road's terminus at lower adit dump viewed by attached Photo "D".

The land in the mine working area was identified by comparing the locality map, Attachment No. 1, with topographic and drainage features observed on the ground. Cave Spring and Bettoni's mine working were readily identifiable on this map. For the purpose of this report, no attempt was made to identify or map Bettoni's claims.



viewed by attached Photo "E".

Bill Bettoni stated his father has a firm arrangement for shipping the hand sorted high grade to Japan for refining, whereby the re-claimed silver will be returned to him. The writer advised him it would no doubt be more economical to treat this material in the United States and suggested they might check with A. S. & R. Co's. Deming, New Mexico mill which is set-up with differential flotation to handle such complex lead-zinc ores. Subsequently, the writer did check with A. S. & R. Co's. Ore Purchasing Department, 1150 North 7th Avenue, Tucson, Az., who confirmed that company's Deming Mill was operating, but not receiving custom ores. They suggested Tonto Mining and Milling Co., Punkin Center, Az., be contacted as that company was doing custom milling. By copy of this it is suggested that District Ranger Harry Little convey this information to Mr. Bettoni. Tonto Mining and Milling Co. advertise their milling charge is \$25.00/ton.

On our return trip from the mine workings, Bill Bettoni pointed to the area, viewed by attached Photo "B", about midway between the mine and temporary camp, at which he said his father is planning the establishment of more substantial winter living quarters. It was suggested that because of rampant vandalism they would be well advised to consider using a house trailer which can be pulled in and out so as not to leave their living quarters unattended on those occasions when they were at their Tucson home. He gave every assurance they would consult with Ranger Little in the establishment of the more adequate camp.

The only access to Bettoni's mine workings is through the Four Ranch headquarter's yards which necessitated the writer contact McFarland Bros'. Ranch Manager, Mr. Terry Collins, and his wife. Mr. Collins volunteered that the only problem he has had with the Bettoni operation is blasting in or near one of the ranches spring developments and he was concerned such blasting might disrupt the spring output.

Young Bettoni advised they have been manually repairing the access road and had in the past set off a few small charges to eliminate a few rock high points which should in no way disturb spring flow. It is assumed they will so advise Ranch Manager Collins, who was concerned that they might be making a mine opening that would disrupt such flow.

#### CONCLUSIONS AND RECOMMENDATIONS

There is a small amount of high grade sphalerite-argentiferous galena remaining to be gleaned in the floor pillar of the upper

working. This apparent mineralization is such that further exploration can be considered justified.

The writer met with District Ranger Harry Little in his office on the evening of November 20, 1974, and gave him a specimen of Bettoni's high grade ore and a verbal report of the writer's findings. He intimated he had found the Bettonis to be cooperative and he anticipated no operational problems.

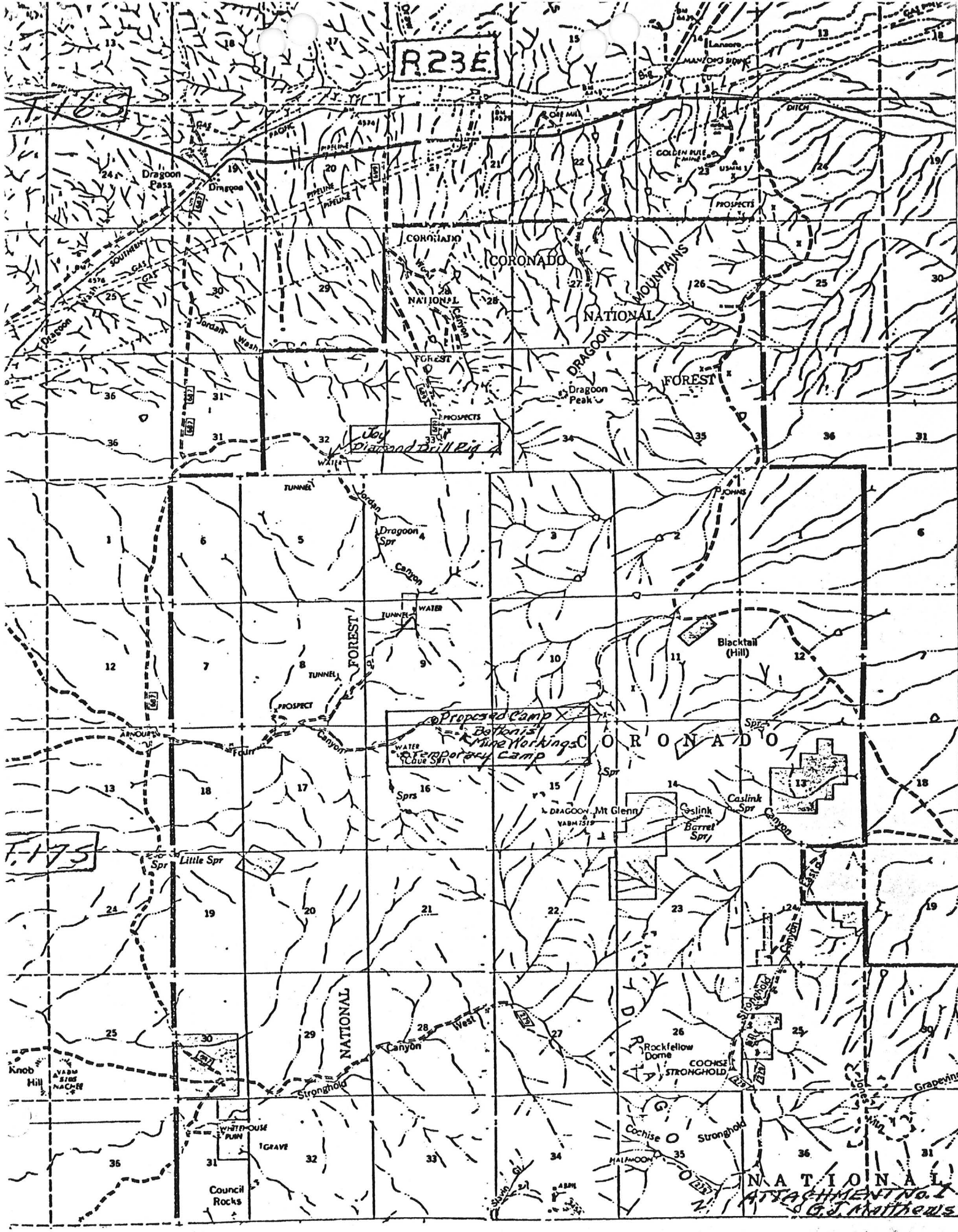
#### MINERAL EXPLORATION'S ACTIVITIES

On November 19, 1974 the writer also drove up Jordan Canyon to observe Mineral Explorations activities in that area, where it was found Joy Manufacturing Co's. contract diamond drilling equipment, viewed by attached Photo "F", was set up at about where indicated by red pointing arrow in Section 32, T. 16 S., R. 23 E. on Locality Map, Attachment No. 1. The driller said this 24 hour a day operation was drilling Hole No. 1 at - 60° easterly and he had just that afternoon attained 600' depth. He said he had heard conflicting reports that plans were to drill to a depth of 1200', 2000' and 3000'. I watched him pull a 10' run and empty the core barrel of good recovery of barren appearing quartzose material.

  
GILBERT J. MATTHEWS  
Mining Engineer

#### ATTACHMENTS

- No. 1 - Locality Map, Scale 1" = 1 mile
- No. 2 - Photos "A" and "B"
- No. 3 - Photos "C" and "D"
- No. 4 - Photo "E"
- No. 5 - Photo "F"



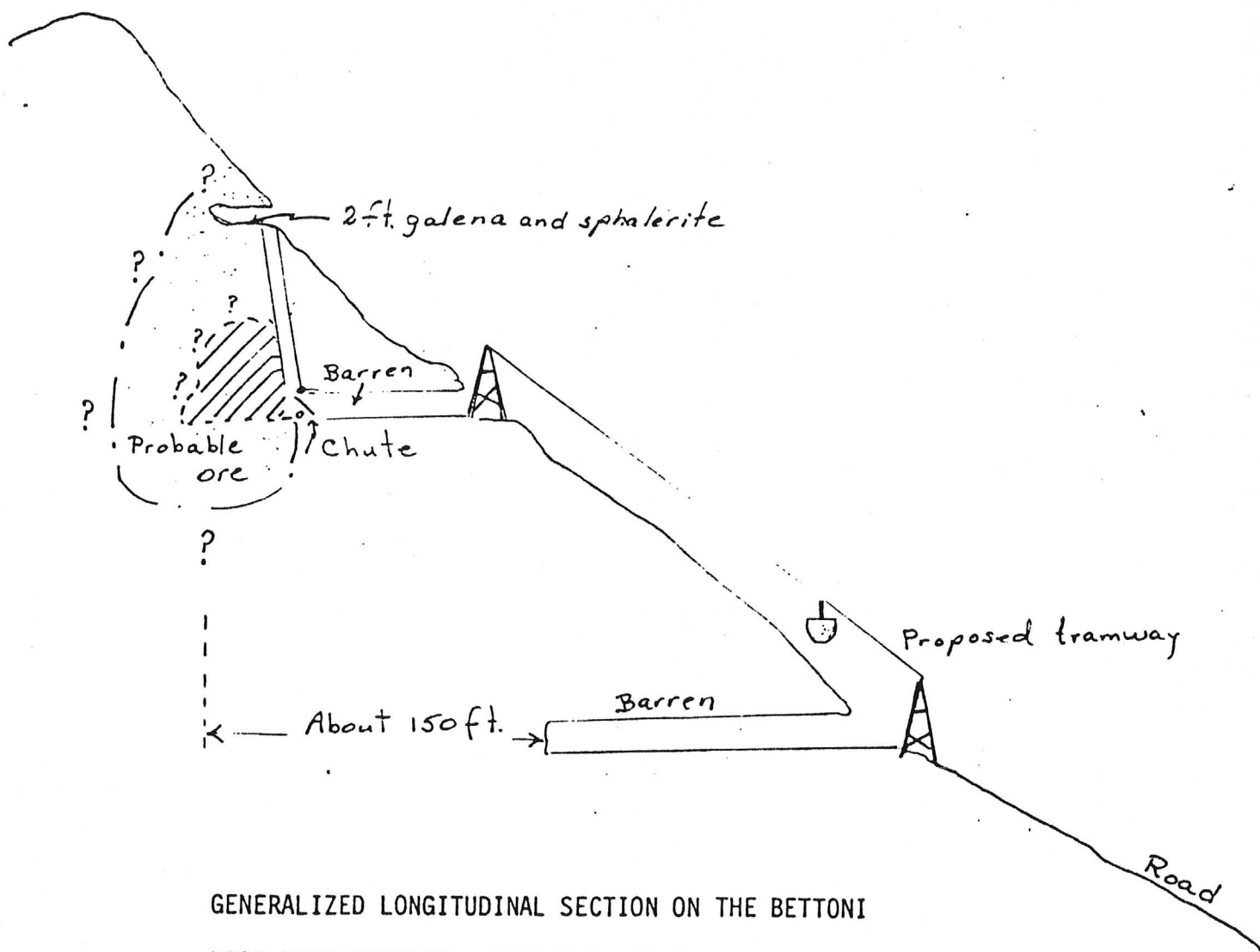
R23E

T16S

T17S

Proposed Camp  
Bottoms Mine Workings  
Temporary Camp

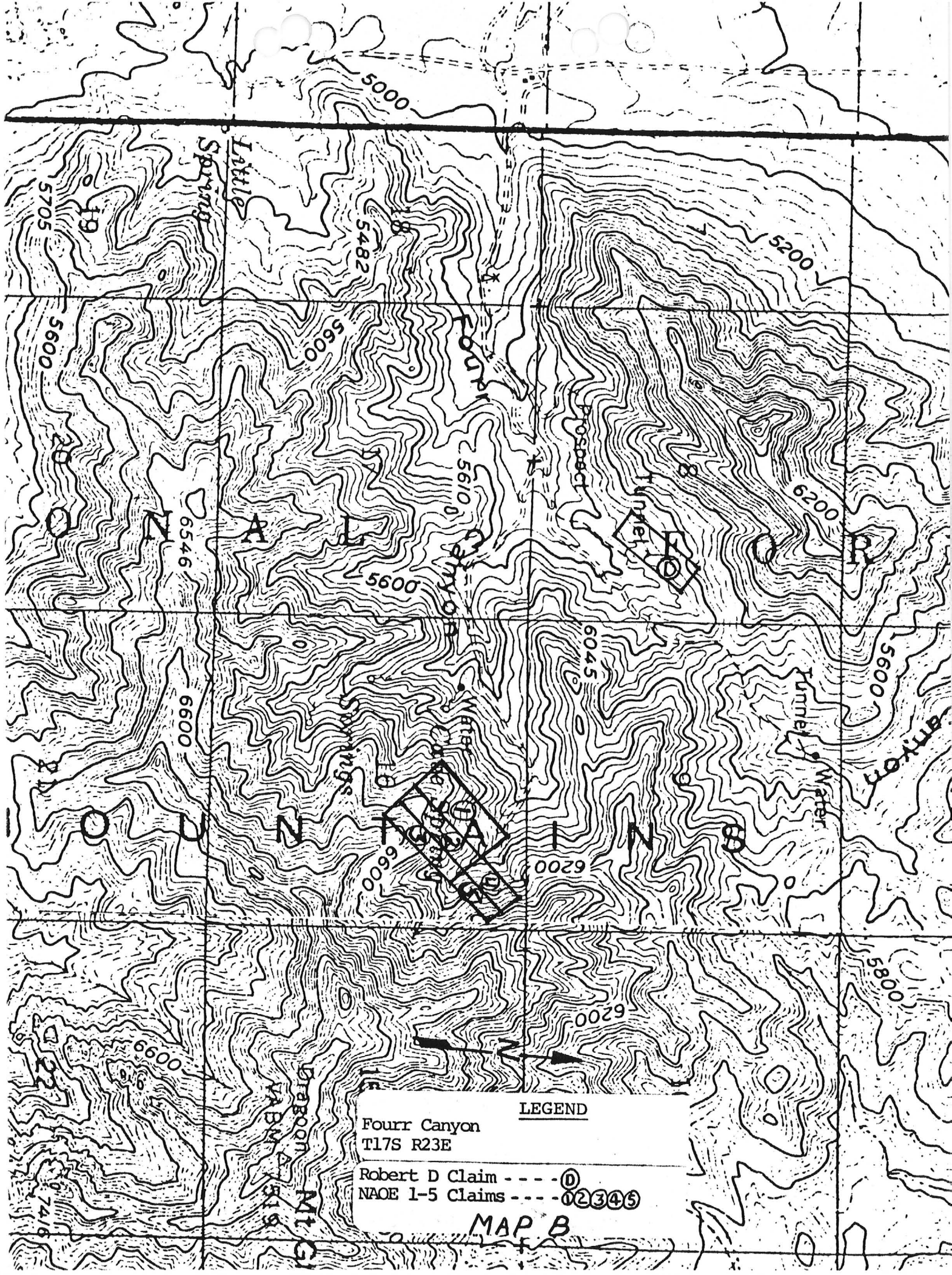
NATIONAL ATTACHMENT No. 1  
G. J. Matthews



GENERALIZED LONGITUDINAL SECTION ON THE BETTONI  
LEAD-ZINC DEPOSIT - STRIKE N. 45 E. - SHOWING  
ORE SHOOT AS OBSERVED AND PROJECTED.

No scale  
HAW  
5/16/80





Fourr Canyon  
T17S R23E

Robert D Claim - - - - - ①  
NAOE 1-5 Claims - - - - - ①②③④⑤

MAP B