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DEFENSE MINERALS ADMINISTRATION
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DMA Docket No. 4149

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700

FILE COPY
Surname:
Hopkins
Ellis
Nelson
Lamb
Martin
Jefferson

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

AUG - 8 1956

Umont Mining Inc.
912 Kearns Building
Salt Lake City 1, Utah

Re: Docket No. DMEA-4149 (Uranium)
Hope Group of Claims
Grand County, Utah

Gentlemen:

Your application for aid in an exploration project and other information available to us in Washington concerning the above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting the presence of low-grade uranium mineralization on your property, indicates to us that the probability of disclosing significant ore reserves is not sufficiently promising to justify Government participation. We regret to advise you that, under these circumstances, your application for exploration assistance is denied. Such denial, however, is made without prejudice to the property. In the event further work on your part discloses new and more favorable evidence of worthwhile ore deposition on the property, we shall be pleased to consider a new application.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

C. O. Mittendorf

Administrator

JHopkins/izm 8-7-56 (For FLKnouse)
cc to: L. P. Evans, Jr., Pres. King St. Docket, Burlington, Vermont
Docket
Code 700
Mr. Hopkins (Knouse)
Admr.'s Reading File
Operating Committee
DMEA Field Team, Reg. III (2)

Messrs. JECrawford, Rm. 3643
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

Docket Copy
700

Summary of Proposed Project

Object: Denial of application for exploration assistance.

Docket No.: DMEA-4149

Commodity: Uranium

Applicant: Umont Mining Inc.
912 Kearns Building
Salt Lake City 1, Utah

Property: The Hope group of approximately 45 mining claims is in and adjacent to Day Canyon and the east fork of Dry Fork in secs. 3, 9, 10, 11 and 15, T. 26 S., R. 20 E., Salt Lake base meridian, Grand County, Utah.

Date of Application: January 27, 1956

Amount of Application: $10,823.29

Work Proposed: The Applicant proposes an exploration program consisting of two stages of drilling to test potential ore-bearing horizons of the Chinle formation:

Stage I

Drill 12 non-core holes to test ground for evidence of channeling or other favorable criteria for uranium deposition. Drill site preparation and access roads included in this stage. Total footage - 2,175 feet.

Stage II

Drill 5 non-core and core holes averaging 200 feet in depth for total of 1,000 feet. The holes would be cored only after radiometric logging indicated mineralization in the vicinity.

Total Drill Contract Cost	$6,031.25	
Road Building	800.00	
Labor, Supervision, Consultants	2,360.00	
Operating Material & Supplies	78.10	
Operating Equipment	370.00	
Miscellaneous	200.00	
Contingencies	983.94	
Estimated Total Cost		$10,823.29
Government Participation @ 75%		$ 8,117.46

Report of Examination: July 10, 1956, Frank M. Beyers, Jr., USGS & Harry F. Robertson, USBM:

The Hope group of claims is on the northeast flank of the Cane Creek anticline. The Chinle formation is only partly exposed on

the property; the lower part in which ore deposits are likely to occur is concealed. Data obtained on thickness of the Chinle formation in this area indicate that the drilling depths to the base of the Chinle would exceed 100 feet. The lack of producing properties indicate that the lower Chinle in the Dry Fork and Day Canyons is at best only weakly mineralized.

Exploration to date consists of access roads and a bulldozed trench on Hope No. 13 claim. Samples from the trench by the Applicant assayed 0.082, 0.075 and 0.196 percent U_3O_8. The highest grade sample represented a very thin seam ($\frac{1}{4}$") of vitreous carbon.

A channel sample by the examiners across $2\frac{1}{2}$ feet of carbon-bearing limonite-stained sandstone was checked by radiometric probe and found to be essentially barren, except for sparse fragments of carbon which were radioactive.

A small deposit of uranium exists on the property of Climax Uranium Corp., several miles distant but in the absence of significantly mineralized outcrops in Long Canyon, the Climax orebody has little or no bearing on finding an ore deposit on the Umont property.

The examiners state that there is no basis on which to estimate ore reserves.

The Applicant reports one sample assaying ore grade but this sample was from thin carbonaceous seams which do not have sufficient thickness to indicate an economic ore deposit.

The examiners conclude that the Hope group of claims is at present in the prospecting stage of development. They recommend therefore, that the application be denied without prejudice until the Applicant has done additional work to warrant an exploration project in which the Government might participate.

Commodity Members Comments:

USGS, W. P. Williams, August 1, 1956:

Mr. Williams notes that the examiners found only a very weakly mineralized sandstone ledge on the Hope Claims in the middle part of the Chinle formation. The best ore zone is the basal part which is concealed and no information is available as to its potentialities. He concurs in the recommendation of the Field Team and the examiners that the application be denied and emphatically states that it is advisable to deny it outright.

USBM, John E. Crawford, August 3, 1956:

Mr. Crawford states that he has reviewed the Field Team report and has discussed it with John O. Hosted, Washington representative of the AEC. He concurs in the recommendation of the Field Team and the examiners that the application be denied without prejudice.

James Hopkins, Nonmetallic Mineral Division, August 7, 1956:
(Prepared for the Rare & Miscellaneous Metals Division)

The Applicant has performed only a very limited amount of work that has shown the middle part of the Chinle formation in one particular area to be very weakly mineralized. No work has been done to test the most favorable horizon that lies at a relatively shallow depth. His proposal to test this horizon with drill holes is essentially prospecting work. No evidence was found by the field examiners that would justify Government participation in the proposed program.

Conclusions and Recommendations:

The information gathered by the Field Team does not indicate that the basal Chinle, which can only be reached and tested by the Applicant's drilling program, is sufficiently promising as an exploration target. It is recommended that the application be denied without prejudice to the property.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

8/6/56 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
AUG - 6 1956

August 3, 1956

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 4149 (Uranium), Umont Mining, Inc., (Hope group of claims), Grand County, Utah

I have reviewed the report of examination, DMEA Docket 4149, Umont Mining, Inc., (Hope group of claims), Grand County, Utah, dated July 10 and received in this office July 31, 1956. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners recommend that the application be denied without prejudice because the subject property is essentially in the prospecting stage.

We concur in the recommendation that the application for exploration assistance be denied without prejedice.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E Crawford
John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
AUG - 6 1956

August 3, 1956

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Uranium Commodity Committee

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Uranium Commodity Committee

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John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D.C.

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We concur in the recommendation that the application for exploration assistance be denied without prejudice.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

8/3/56 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG - 3 1956

August 1, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4149 (uranium), Umont Mining, Inc., Hope claims, Grand County, Utah

The field examiners report that their examination disclosed a very weakly mineralized sandstone ledge on the Hope claims in the middle part of the Chinle formation of Triassic age. No drilling or other exploration has been done on the property. The best ore zone in the basal part of the Chinle is covered on the property, and no information is available as to its potentialities.

The nearest mine, which has produced about 168 tons of ore, is about 6 miles southeast of the Hope claims.

The property does not seem to warrant DMEA expenditures at this time. I concur with the Field Team's and examiners' recommendations. In the interest of closing the files on what seems to be a poor-risk property I consider it advisable to deny the application outright.

WPWilliams

W. P. Williams

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG - 3 1956

August 1, 1956

Memorandum

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From: W. P. Williams, U. S. Geological Survey

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W. P. Williams

WPWilliams:jeh
G-8/1/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210 GS
Chron. file 5222

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG - 3 1956

August 1, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4149 (uranium), Vacant Mining, Inc., Hope claims, Grand County, Utah

The field examiners report that their examination disclosed a very weakly mineralized sandstone ledge on the Hope claims in the middle part of the Chinle formation of Triassic age. No drilling or other exploration has been done on the property. The best ore zone in the basal part of the Chinle is covered on the property, and no information is available as to its potentialities.

The nearest mine, which has produced about 168 tons of ore, is about 6 miles southeast of the Hope claims.

The property does not seem to warrant DMEA expenditures at this time. I concur with the Field Team's and examiners' recommendations. In the interest of clearing the files on what seems to be a poor-risk property I consider it advisable to deny the application outright.

W. P. Williams

WPWilliams:jeh
8-8/1/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Kosted, 3210 GS
Chron. file 5222

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
AUG - 3 1956

August 1, 1956

Memorandum

To: R. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of field examination report, DMEA 4149 (uranium), Uncert Mining, Inc., Hope claims, Grand County, Utah

The field examiners report that their examination disclosed a very weakly mineralized sandstone ledge on the Hope claims in the middle part of the Chinle formation of Triassic age. No drilling or other exploration has been done on the property. The best ore zone in the basal part of the Chinle is covered on the property, and no information is available as to its potentialities.

The nearest mine, which has produced about 168 tons of ore, is about 6 miles southeast of the Hope claims.

The property does not seem to warrant DMEA expenditures at this time. I concur with the Field Team's and examiners' recommendations. In the interest of closing the files on what seems to be a poor-risk property I consider it advisable to deny the application outright.

W. P. Williams

WPWilliams:jeh
G-8/1/56
cc: Director's reading 4212
Branch reading 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210 GS
Chron. file 5222

8/2/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
JUL 27 1956

July 24, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4149 (Uranium) Umont Mining, Inc., (Hope group of claims), Grand County, Utah

Enclosed are the original and three copies of a joint engineering and geologic report on the subject property.

The field examiners believe that the Hope group of claims are at present in the prospecting stage. They recommend that the application be denied without prejudice until the results of additional work will warrant an exploration program. We concur in this recommendation.

If the Applicant successfully completes some drilling on his own account, another application for DMEA aid would receive proper consideration.

DMEA Field Team, Region III

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
8/1/56
(date)

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 28 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

TRANSMITTED
JUL 24 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUL 27 1956

P. O. Box 360
Grand Junction, Colo.

June 15, 1956

REPLY REFER TO:
MINERAL DEPOSITS
DMEA
RECEIVED
JUN 18 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

DMEA
Date Rec'd.
JUL 20 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman
J. F. Shaw

From: J. William Hasler

Subject: Transmittal of a part of examination on docket 4149 (Uranium) (Hope group of claims), Umont Mining, Inc., Grand County, Utah.

The Umont Mining, Inc., King Street Dock, Burlington, Vermont, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Hope group of claims located in sections 3, 9, 10, 11, and 15; T. 26 S., R. 20 E., Salt Lake Meridian, Grand County, Utah.

The Hope group of claims is on the northeast flank of the Cane Creek anticline. The formations exposed on the property are the Triassic, Chinle, Wingate and Kayenta. The Chinle formation is only partly exposed on the property; the lower part in which ore deposits are likely to occur is concealed. From exposures in Dry Fork Canyon to the north and in Long Canyon to the south, the Chinle is known to be about 360 feet thick. On the Umont property in Day Canyon a maximum thickness of 260 feet of the upper part of the Chinle is exposed. Up stream and down stream from this point the exposed thickness of the Chinle is less, so that drilling depths to the base of the Chinle would exceed 100 feet. The lack of producing properties indicates that the lower Chinle in these canyons is at best only weakly mineralized.

Weakly mineralized carbonaceous sandstone beds are exposed in a bulldozer trench in a 15-foot sandstone ledge, just above the middle of the Chinle formation. According to D. P. Wheeler, applicant's representative, this ledge also contains weakly mineralized sandstone elsewhere on the property.

Two weakly mineralized pods with a maximum thickness of 2.5 feet and a length of 20 feet occur on different horizons. The pods seem to be mineralized by cross-bedding. The applicant's representative suggests also that there was an easterly trend of mineralization on to the Hope claims from the "C" group deposits in Cane Creek Canyon, 15 miles southerly. This trend is regarded by the examining team as being speculative, at best.

Recorded by
[illegible]
8/1/56

The small ore deposit of the Climax Uranium Company in School Section 32, lies several miles to the southeast. The only tie that can be made between these two is that both are on the North flank of the Cane Creek anticline. However, in the absence of significant mineralized outcrop in Long Canyon, the Climax ore body has little or no bearing on possibilities of finding an ore deposit on the Umont property. It is the opinion of the examining team that the Hope group of claims is at present in the prospecting stage of development. It is recommended, therefore, that the application be denied without prejudice until additional work has been done to substantiate an exploration program. I concur with the conclusions and recommendations of the examining team.

The Atomic Energy Commission has been consulted relative to the appraisal of the Hope group of claims.

Enclosed are 10 copies of figures 2 and 3 for inclusion in a joint engineering and geologic report, as well as the applicant's brochure.

J. William Hasler

J. William Hasler,
Geologist

JWH/mlr

Enclosure

MINERAL DEPOSIT
DMEA
RECEIVED
JUL 19 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

RECEIVED
JUL 27 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED
JUL 24 1956

DMEA 4149

HOPE GROUP OF CLAIMS

UMONT MINING INC.

GRAND COUNTY, UTAH

Uranium

Joint Engineering and Geological Report

By

Frank M. Byers, Jr., Geologist
Geological Survey

Harry F. Robertson, Mining Engineer
Bureau of Mines

July 10, 1956

Reviewed by
DMEA OPERATING COMMITTEE
8/1/56

DMEA 4149

HOPE GROUP OF CLAIMS
UMONT MINING INC.
GRAND COUNTY, UTAH

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Joint engineering and geologic report

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ILLUSTRATIONS

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1. Location map, Hope group of claims, Umont Mining, Inc., Grand County, Utah. DMEA 4149	2
2. Geologic map of the Hope group of claims, Umont Mining, Inc., Grand County, Utah	6
3. Sketch map of Hope group of claims showing location of proposed road and drill holes, Umont Mining, Inc., Grand County, Utah	8

DMEA 4149

HOPE GROUP OF CLAIMS
UMONT MINING INC.
GRAND COUNTY, UTAH

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JUL 27 1956

INTRODUCTION AND SUMMARY

Umont Mining Inc., King Street Dock, Burlington, Vermont, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Hope Group of claims located in sections 3, 9, 10, 11 and 15, T. 26 S., R. 20 E., Salt Lake base meridian, Grand County, Utah. The applicant proposes to test the base of the Chinle formation on the claims with 12 Stage I holes and 5 Stage II holes ranging from 75 to 325 feet in depth. The estimated cost of the proposed program is $10,823.29.

Field examination of the property was made on May 23, 1956, by H. F. Robertson, Bureau of Mines, and F. M. Byers, Geological Survey.

The field examination disclosed a very weakly mineralized sandstone ledge on the Hope Group in the middle part of the Triassic Chinle formation. The assays of ore grade, reported by the applicant, apparently came from a sample of radioactive carbon that was selectively picked out of this sandstone. Only the upper 260 feet of the Chinle formation, which is 360 feet thick in nearby canyons, is exposed at the fork of Day Canyon; elsewhere on the property less of the upper Chinle is exposed. The nearest known ore deposit is 6 miles from the property. A drill hole about one-quarter mile northeast of the Hope Group failed to penetrate any mineralized material. No holes had been drilled on the Hope Group at the time of the field examination.

Because the Hope Group of claims of Umont Mining, Inc. is essentially in the prospecting stage, it is recommended that their application for DMEA assistance be denied without prejudice. It is also recommended that the applicant be advised that he may reopen his application if subse-

quent exploration should indicate significant mineralization at the base of the Chinle formation.

ACKNOWLEDGMENTS

The examining team was accompanied by Dooley P. Wheeler, Jr., General Manager for Umont Mining Inc.

The Atomic Energy Commission was contacted concerning the application.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Hope group of approximately 45 mining claims is in and adjacent to Day Canyon and the east fork of Dry Fork in secs. 3, 9, 10, 11, and 15, T. 26 S., R. 20 E., Salt Lake base meridian, Grand County, Utah. (fig. 1)

The MGM Petroleum Company maintains a gravel, all-weather road, which turns south from U. S. Highway 160 one mile north of the Moab bridge across the Colorado River. This road is followed for 12.1 miles along the Colorado River to an unimproved jeep road branching to the northwest into Bull-Day Canyon. The jeep road is followed for 2.2 miles to the northeastern edge of the Hope group of claims. A road has been bulldozed approximately 2500 feet farther into the canyon. At the time of the investigation the jeep road was inaccessible due to flooding of the Colorado River and the claim area could be reached only by walking about three miles. This condition exists only when the river is at flood stage.

The route to the claim area leaves U. S. Highway 160 at a point 58 miles northwest of Monticello, Utah; 35 miles southeast of Thompson, Utah; and 2 miles northwest of Moab, Utah. Government ore purchasing stations are maintained at all of the above towns. Labor and supplies can be obtained at Moab and Monticello. The nearest railhead is the Den-

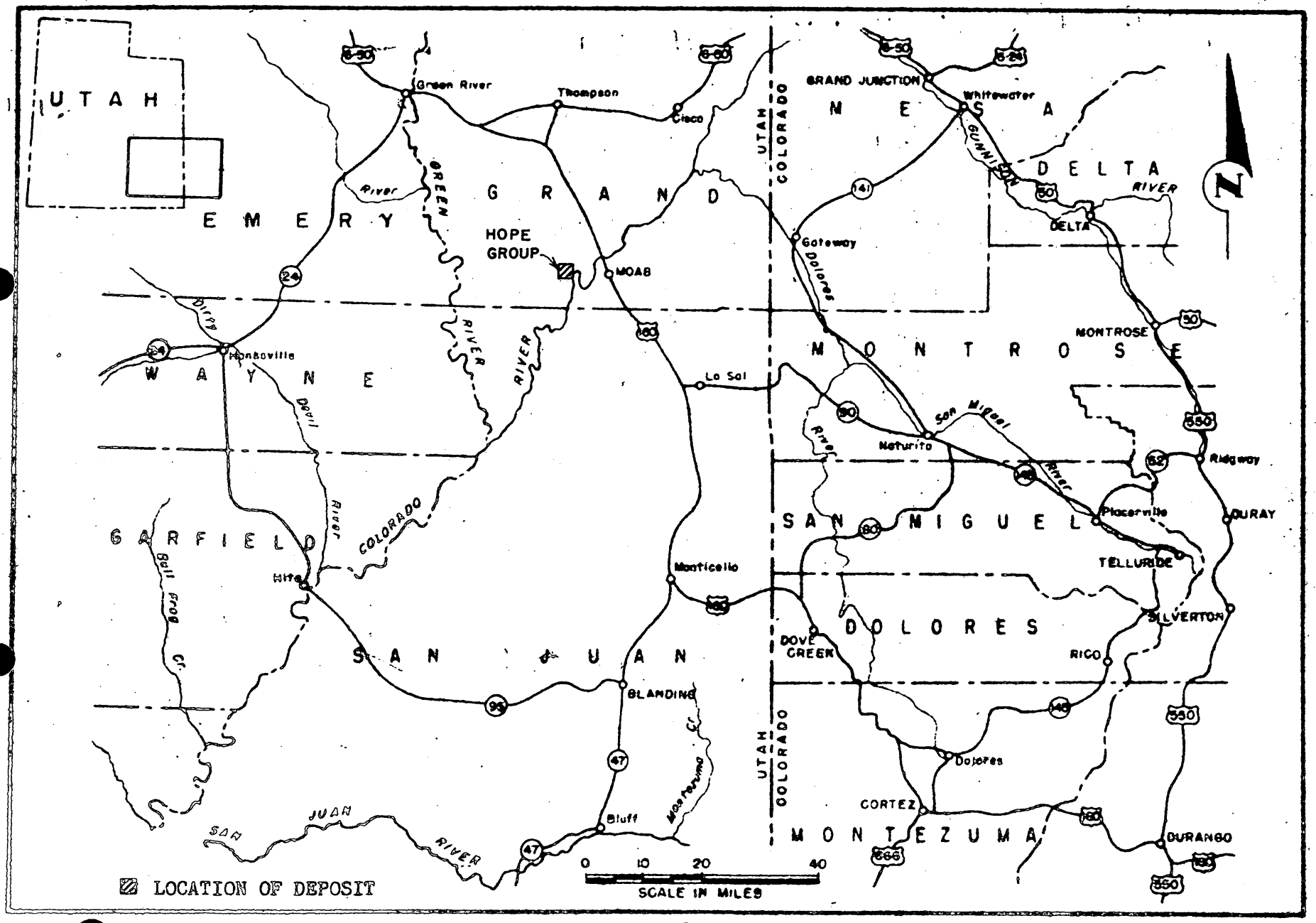

FIGURE 1 - LOCATION MAP, HOPE GROUP OF CLAIMS, UMONT MINING, INC., GRAND COUNTY, UTAH. DMEA 4149

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JUL 27 1956

ver and Rio Grande Western at Thompson, Utah.

Water for drilling and mining purposes can be obtained from the Colorado River. Rainfall is light and the area is classed as semi-arid.

The altitude in the area ranges from 4400 to 5800 feet. The canyon is restricted by steep Wingate cliffs but broadens to about 400 feet in most of the proposed drilling area.

HISTORY AND PRODUCTION

There has been no production from the Hope group of claims. The nearest producing property is the Cane Creek school section 32 mine of Climax Uranium Corp., about 6 miles southeast of the Hope claims. Production from the above mine to March 31, 1956, was 168 tons of ore averaging 0.47 percent U_3O_8; this mine represents the best known deposit in the vicinity of the subject claims.

OWNERSHIP AND EXTENT

The mining claims, Hope 1 through 37, inclusive, were originally located on December 22, 24, 26, and 28, 1953, in the names of Jim Jackson, Kenneth Allred, Marlowe Smith, and John Levering, and recorded in Office of the Grand County Recorder, State of Utah, on December 29, 1953, in book 16, pages 293 to 329, inclusive.

A subsequent survey of the claim group disclosed that the claims as originally staked and numbered 1 to 37 were apparently in excess of the allowable dimensions. The locations were amended so that 48 claims, rather than 37, comprised the Hope group. These amendments and subsequent instruments pertaining to the claims were recorded as shown by Table I.

TABLE I

ITEM	RECORDED	BOOK	PAGE
Hope 1 to 37, inclusive Original Notices of Location	Dec. 29, 1953	16	293-329, incl.
Hope 1 to 28, inclusive Notice of Lease Application	Mar. 25, 1954	22	246-259, incl.
Hope 29 to 37, inclusive Notice of Lease Application	April 12, 1954	23	405-409, incl.
Hope 1 to 48, inclusive Amended Lease Application	May 17, 1954	26 27	586-600, incl. 1-10, incl.
Hope 3 to 48, inclusive Amended Notices of Lease Application	July 31, 1954	31 32	54 234-256, incl.
Hope 3 to 48, inclusive Amended Notices of Lease Application	Aug. 11, 1954	33 34	588-600, incl. 1-10, incl.
Hope 3 to 48, inclusive Amended Location Notices	Nov. 5, 1954	49	520-543, incl.
Hope 3 to 48, inclusive Withdrawal of Lease Application	Nov. 5, 1954	49	544
Hope 1 to 48 Assignment of rights to Umont Mining Inc.	Dec. 2, 1954	52	410-416, incl.
Hope 1 to 48 Quit Claim Deed Owners to Umont Mining Inc.	Dec. 2, 1954	52	415-416

The Hope group as amended covers an area of about 900 acres lying in and adjacent to Day Canyon.

PRESENT STATUS

Exploration and Development

Exploration performed to date on the Hope group of claims consists of access roads to the area and a bulldozed trench at the south end of Hope No. 13 claim. Samples taken by the applicant from various locations in the trench assayed 0.082, 0.075, and 0.196 percent U_3O_8. The highest

grade sample represented a very thin seam (about one-quarter inch thick) of vitreous carbon. No other exploration has been performed on the property. A hole was drilled by another operator about 1/4 mile east of the east edge of the Hope Claim Group but no information is available concerning the results.

The applicant uses projected favorable criteria from ore discoveries several miles from the subject property to justify an exploration program.

Mining and Milling Equipment and Other Facilities

There are no equipment or facilities of any kind on the subject property. Project personnel would probably live in Moab, Utah and commute to the claim area. The necessary equipment and supplies for drilling would be furnished by the Contractor. Water for drilling could be hauled from the Colorado River, 3 miles from the property.

Access roads have been constructed to the area but would require maintenance since they lie in a deep canyon and are subject to washouts by flash floods.

There are no power facilities on the property. Any electricity needed would be generated by gasoline- or diesel-driven light plants.

GEOLOGY AND ORE DEPOSITS

The Hope group of claims of Umont Mining Inc. are on the northeast flank of the Cane Creek Anticline (fig. 2). The dip of the beds on the property is 4° northeast. Formations exposed on the property are the Triassic Chinle formation, exposed in the bottom of Day Canyon, the Triassic Wingate formation, which forms the steep walls and the Triassic (?) Kayenta formation, which caps the Wingate cliffs. (The Wingate and Kayenta formations were thought to be Jurassic at the time the photo-

geologic map (fig. 2) was prepared.)

The Chinle formation, is only partly exposed on the property; the lower part, in which ore deposits are likely to occur, is concealed. From exposures in Dry Fork Canyon to the north and in Long Canyon to the south (fig. 2), the Chinle is known to be about 360 feet thick. On the Umont property in Day Canyon a maximum thickness of 260 feet of the upper part of the Chinle is exposed at the fork of Day Canyon in the north half of section 10 (fig. 2). Upstream and downstream from this point the exposed thickness of the Chinle is less, so that drilling depths to the base of the Chinle would exceed 100 feet.

According to Dooley F. Wheeler, geologist for the applicant, and H. S. Johnson, U. S. Geological Survey, the basal Chinle sandstone exposed in Long Canyon southwest of the property is red, not more than 3 feet thick and contains much mudstone; it does not appear favorable for significant ore deposits.

One drill hole was found just northeast of the applicant's property on school section 2 (fig. 2). None of the cuttings from the drill hole were mineralized and it is possible that the hole was bottomed short of the Chinle.

Weakly mineralized carbonaceous sandstone beds are exposed in a bulldozer trench (see fig. 2) in a 15-foot sandstone ledge, just above the middle of the Chinle formation. According to Mr. Dooley P. Wheeler, representing the applicant, this ledge also contains weakly mineralized sandstone elsewhere on the property (fig. 2). In the bulldozer pit, the sandstone ledge is cross-bedded. Two small weakly mineralized pods with a maximum thickness of $2\frac{1}{2}$ feet and a length of about 20 feet occur at different horizons. The pods appear to be localized by cross-bedding.

A channel sample was taken across 2½ feet, the maximum thickness exposed, of carbon-bearing, limonite-stained sandstone. This sample was later checked by radiometric probe and found to be essentially barren, except for sparse fragments of carbon, which were radioactive. It is presumed that the ore grade assay, reported by the applicant, on a sample from the trench was made only on the carbon.

Mr. Wheeler, representing the applicant suggested that there is an easterly trend onto the Hope claims from the "C" group deposits in Cane Creek Canyon, 15 miles southerly, and that this trend was further confirmed by a hole drilled for oil, 3 miles from the property. This trend is regarded by the examining team as speculative at best. It might also be claimed that, inasmuch as mineralization occurs in the middle Chinle, strong mineralization of ore grade might be expected in the lower Chinle. On the contrary, it could also be argued that because there was no favorable host rock in the lower Chinle, the small amount of uranium deposited by the ore solutions was all concentrated in the weakly mineralized beds of the sandstone ledge of the Middle Chinle.

The small ore deposit of Climax Uranium Corp. in school section 32, T. 26 S., R. 21 E., is several miles to the southeast. Both the Umont property and the Climax ore body are on the northeast flank of the Cane Creek anticline. However, in the absence of significantly mineralized outcrops in Long Canyon, the Climax ore body has little or no bearing on possibilities of finding an ore deposit on the Umont property. The applicant's Hope group of claims are essentially in the prospecting stage.

ORE RESERVES

There is no basis on which to estimate ore reserves. The applicant reports one sample assaying ore grade but this sample was from thin

carbonaceous seams which do not have sufficient thickness to indicate an economic ore deposit.

The Climax Uranium reserves in school section 32, T. 26 S., R. 21 E. consist of about 8,000 tons of indicated ore and 4,000 tons of inferred ore, with an estimated grade of 0.30 percent of U_3O_8. This estimate is based on information given to the A.E.C. by the Climax Uranium Company.

PROPOSED EXPLORATION

The applicant proposes an exploration program consisting of two stages of drilling to test potential ore-bearing horizons of the Chinle formation. The first stage of drilling would be non-core and would test the ground for evidence of channeling or other favorable criteria for uranium deposition. Twelve holes located as shown on figure 3 are proposed for this phase of the program. The necessary work for drill site and access road construction is included in the first stage.

The second stage of the proposed program would consist of five non-core and core holes averaging 200 feet in depth for a total footage of 1,000 feet. The holes would be cored only after radiometric logging indicated mineralization in the vicinity. This stage would be dependent upon evaluation of results obtained in stage I.

The total estimated cost of the proposed project is $10,823.29; Government participation at 75 percent is $8,117.47. The applicant has made serious errors in computing the estimated drilling costs in his proposed exploration program. However, since DMEA participation is not recommended, no attempt has been made to revise the estimate.

CONCLUSIONS

No production from the Hope group of claims has been made to date. The Cane Creek school section 32 mine of Climax Uranium, 6 miles southeast of the subject claims, had a production as of March 31, 1956, of 168 tons of 0.47 percent uranium ore, and has reserves of 12,000 tons of ore containing 0.30 percent of U_3O_8. The Hope claims lie in relatively the same position as the Climax Uranium mine in relation to the Cane Creek anticline. However, there is no evidence to show that this position necessarily indicates a favorable area. Evaluation of the property on its own merits and with reasonable consideration of the surrounding area in general, does not indicate the possibility of substantial uranium ore deposits.

RECOMMENDATIONS

It is recommended that the application for DMEA exploration assistance be denied without prejudice. If Umont Mining Inc. should re-apply after completion of some drilling, a field examination and supplementary report should be made to re-evaluate the property.

CONCLUSIONS

No production from the Hope group of claims has been made to date. The Cane Creek school section 32 mine of Climax Uranium, 6 miles southeast of the subject claims, had a production as of March 31, 1956, of 168 tons of 0.47 percent uranium ore, and has reserves of 12,000 tons of ore containing 0.30 percent of U_3O_8. The Hope claims lie in relatively the same position as the Climax Uranium mine in relation to the Cane Creek anticline. However, there is no evidence to show that this position necessarily indicates a favorable area. Evaluation of the property on its own merits and with reasonable consideration of the surrounding area in general, does not indicate the possibility of substantial uranium ore deposits.

RECOMMENDATIONS

It is recommended that the application for DMEA exploration assistance be denied without prejudice. If Umont Mining Inc. should re-apply after completion of some drilling, a field examination and supplementary report should be made to re-evaluate the property.

7/30/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

July 24, 1956

224 New Customhouse
Denver 2, Colorado

RECEIVED
JUL 27 1956

Memorandum

To: Secretary to the Operating Committee, DMEA

From: Field Team, Region III

Subject: Joint Report of Examination, Docket DMEA 4149 (Uranium) Umant Mining, Inc., (Hope group of claims), Grand County, Utah

Enclosed are the original and three copies of a joint engineering and geologic report on the subject property.

The field examiners believe that the Hope group of claims are at present in the prospecting stage. They recommend that the application be denied without prejudice until the results of additional work will warrant an exploration program. We concur in this recommendation.

If the Applicant successfully completes some drilling on his own account, another application for DMEA aid would receive proper consideration.

DMEA Field Team, Region III

W. M. Traver

By W. M. Traver
Executive Officer

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE
8/1/56
(Date)

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 28 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

TRANSMITTED
JUL 24 1956

MINERAL DEPOSITS
DMEA
RECEIVED
JUN 18 1956
U. S.
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
RECEIVED
JUL 27 1956

IN REPLY REFER TO:

P. O. Box 360
Grand Junction, Colo.

June 15, 1956

DMEA
Date Rec'd
JUL 20 1956
BUREAU OF MINES
Denver, Colorado

Memorandum

To: Executive Officer, DMEA Field Team, Region III

Through: E. N. Harshman
J. F. Shaw

From: J. William Hasler

Subject: Transmittal of a part of examination on docket 4149 (Uranium) (Hope group of claims), Umont Mining, Inc., Grand County, Utah.

The Umont Mining, Inc., King Street Dock, Burlington, Vermont, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Hope group of claims located in sections 3, 9, 10, 11, and 15; T. 26 S., R. 20 E., Salt Lake Meridian, Grand County, Utah.

The Hope group of claims is on the northeast flank of the Cane Creek anticline. The formations exposed on the property are the Triassic, Chinle, Wingate and Kayenta. The Chinle formation is only partly exposed on the property; the lower part in which ore deposits are likely to occur is concealed. From exposures in Dry Fork Canyon to the north and in Long Canyon to the south, the Chinle is known to be about 360 feet thick. On the Umont property in Day Canyon a maximum thickness of 260 feet of the upper part of the Chinle is exposed. Up stream and down stream from this point the exposed thickness of the Chinle is less, so that drilling depths to the base of the Chinle would exceed 100 feet. The lack of producing properties indicates that the lower Chinle in these canyons is at best only weakly mineralized.

Weakly mineralized carbonaceous sandstone beds are exposed in a bulldozer trench in a 15-foot sandstone ledge, just above the middle of the Chinle formation. According to D. P. Wheeler, applicant's representative, this ledge also contains weakly mineralized sandstone elsewhere on the property.

Two weakly mineralized pods with a maximum thickness of 2.5 feet and a length of 20 feet occur on different horizons. The pods seem to be mineralized by cross-bedding. The applicant's representative suggests also that there was an easterly trend of mineralization on to the Hope claims from the "C" group deposits in Cane Creek Canyon, 15 miles southerly. This trend is regarded by the examining team as being speculative, at best.

8/1/56

The small ore deposit of the Climax Uranium Company in School Section 32, lies several miles to the southeast. The only tie that can be made between these two is that both are on the North flank of the Cane Creek anticline. However, in the absence of significant mineralized outcrop in Long Canyon, the Climax ore body has little or no bearing on possibilities of finding an ore deposit on the Ute at property. It is the opinion of the examining team that the Hope group of claims is at present in the prospecting stage of development. It is recommended, therefore, that the application be denied without prejudice until additional work has been done to substantiate an exploration program. I concur with the conclusions and recommendations of the examining team.

The Atomic Energy Commission has been consulted relative to the appraisal of the Hope group of claims.

Enclosed are 10 copies of figures 2 and 3 for inclusion in a joint engineering and geologic report, as well as the applicant's brochure.

J. William Hasler
J. William Hasler,
Geologist

JWH/mlr

Enclosure

MINERAL DEPOSITS
DMEA
RECEIVED
JUL 19 1956
GEOLOGICAL SURVEY
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
FRED A. SEATON, SECRETARY

RECEIVED
JUL 27 1956

DEFENSE MINERALS EXPLORATION ADMINISTRATION

REPORT OF EXAMINATION BY FIELD TEAM
REGION III

TRANSMITTED
JUL 24 1956

DMEA 4149

HOPE GROUP OF CLAIMS

UMONT MINING INC.

GRAND COUNTY, UTAH

Uranium

Joint Engineering and Geological Report

By

Frank M. Byers, Jr., Geologist
Geological Survey

Harry F. Robertson, Mining Engineer
Bureau of Mines

July 10, 1956

Reviewed by
DMEA OPERATING CONTRACTOR
8/1/56
(Date)

DMEA 4149

HOPE GROUP OF CLAIMS
UMONT MINING INC.
GRAND COUNTY, UTAH

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JUL 27 1956

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    Mining equipment and other facilities 5
Geology and ore deposits 5
Ore reserves 7
Proposed exploration 8
Conclusions 9
Recommendations 9

ILLUSTRATIONS

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1. Location map, Hope group of claims, Umont Mining, Inc., Grand County, Utah. DMEA 4149 2

2. Geologic map of the Hope group of claims, Umont Mining, Inc., Grand County, Utah 6

3. Sketch map of Hope group of claims showing location of proposed road and drill holes, Umont Mining, Inc., Grand County, Utah 8

DMEA 4149

HOPE GROUP OF CLAIMS
UMONT MINING INC.
GRAND COUNTY, UTAH

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JUL 27 1956

INTRODUCTION AND SUMMARY

Umont Mining Inc., King Street Dock, Burlington, Vermont, applied to the Defense Minerals Exploration Administration for assistance to explore for uranium on the Hope Group of claims located in sections 3, 9, 10, 11 and 15, T. 26 S., R. 20 E., Salt Lake base meridian, Grand County, Utah. The applicant proposes to test the base of the Chinle formation on the claims with 12 Stage I holes and 5 Stage II holes ranging from 75 to 325 feet in depth. The estimated cost of the proposed program is $10,823.29.

Field examination of the property was made on May 23, 1956, by H. F. Robertson, Bureau of Mines, and F. M. Byers, Geological Survey.

The field examination disclosed a very weakly mineralized sandstone ledge on the Hope Group in the middle part of the Triassic Chinle formation. The assays of ore grade, reported by the applicant, apparently came from a sample of radioactive carbon that was selectively picked out of this sandstone. Only the upper 260 feet of the Chinle formation, which is 360 feet thick in nearby canyons, is exposed at the fork of Day Canyon; elsewhere on the property less of the upper Chinle is exposed. The nearest known ore deposit is 6 miles from the property. A drill hole about one-quarter mile northeast of the Hope Group failed to penetrate any mineralized material. No holes had been drilled on the Hope Group at the time of the field examination.

Because the Hope Group of claims of Umont Mining, Inc. is essentially in the prospecting stage, it is recommended that their application for DMEA assistance be denied without prejudice. It is also recommended that the applicant be advised that he may reopen his application if subse-

quent exploration should indicate significant mineralization at the base of the Chinle formation.

ACKNOWLEDGMENTS

The examining team was accompanied by Dooley P. Wheeler, Jr., General Manager for Umont Mining Inc.

The Atomic Energy Commission was contacted concerning the application.

LOCATION, TOPOGRAPHY, AND PHYSICAL FEATURES

The Hope group of approximately 45 mining claims is in and adjacent to Day Canyon and the east fork of Dry Fork in secs. 3, 9, 10, 11, and 15, T. 26 S., R. 20 E., Salt Lake base meridian, Grand County, Utah. (fig. 1)

The MGM Petroleum Company maintains a gravel, all-weather road, which turns south from U. S. Highway 160 one mile north of the Moab bridge across the Colorado River. This road is followed for 12.1 miles along the Colorado River to an unimproved jeep road branching to the northwest into Bull-Day Canyon. The jeep road is followed for 2.2 miles to the northeastern edge of the Hope group of claims. A road has been bulldozed approximately 2500 feet farther into the canyon. At the time of the investigation the jeep road was inaccessible due to flooding of the Colorado River and the claim area could be reached only by walking about three miles. This condition exists only when the river is at flood stage.

The route to the claim area leaves U. S. Highway 160 at a point 58 miles northwest of Monticello, Utah; 35 miles southeast of Thompson, Utah; and 2 miles northwest of Moab, Utah. Government ore purchasing stations are maintained at all of the above towns. Labor and supplies can be obtained at Moab and Monticello. The nearest railhead is the Den-

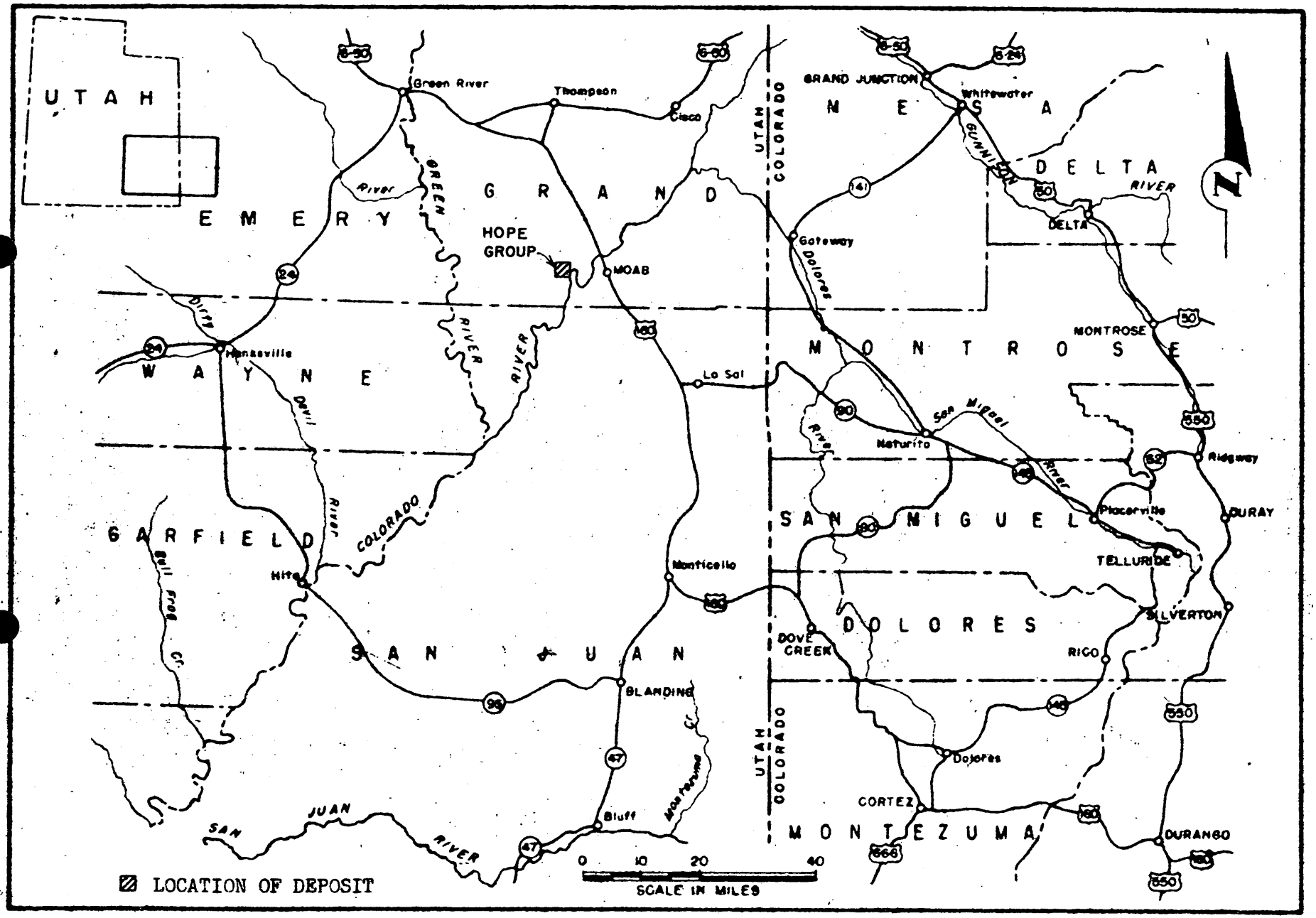

FIGURE 1 - LOCATION MAP, HOPE GROUP OF CLAIMS, UMONTE MINING, INC., GRAND COUNTY, UTAH. DMEA 4149

RECEIVED
JUL 27 1956

ver and Rio Grande Western at Thompson, Utah.

Water for drilling and mining purposes can be obtained from the Colorado River. Rainfall is light and the area is classed as semi-arid.

The altitude in the area ranges from 4400 to 5800 feet. The canyon is restricted by steep Wingate cliffs but broadens to about 400 feet in most of the proposed drilling area.

HISTORY AND PRODUCTION

There has been no production from the Hope group of claims. The nearest producing property is the Cane Creek school section 32 mine of Climax Uranium Corp., about 6 miles southeast of the Hope claims. Production from the above mine to March 31, 1956, was 168 tons of ore averaging 0.47 percent U_3O_8; this mine represents the best knowndeposit in the vicinity of the subject claims.

OWNERSHIP AND EXTENT

The mining claims, Hope 1 through 37, inclusive, were originally located on December 22, 24, 26, and 28, 1953, in the names of Jim Jackson, Kenneth Allred, Marlowe Smith, and John Levering, and recorded in Office of the Grand County Recorder, State of Utah, on December 29, 1953, in book 16, pages 293 to 329, inclusive.

A subsequent survey of the claim group disclosed that the claims as originally staked and numbered 1 to 37 were apparently in excess of the allowable dimensions. The locations were amended so that 48 claims, rather than 37, comprised the Hope group. These amendments and subsequent instruments pertaining to the claims were recorded as shown by Table I.

TABLE I

ITEM	RECORDED	BOOK	PAGE
Hope 1 to 37, inclusive Original Notices of Location	Dec. 29, 1953	16	293-329, incl.
Hope 1 to 28, inclusive Notice of Lease Application	Mar. 25, 1954	22	246-259, incl.
Hope 29 to 37, inclusive Notice of Lease Application	April 12, 1954	23	405-409, incl.
Hope 1 to 48, inclusive Amended Lease Application	May 17, 1954	26 27	586-600, incl. 1-10, incl.
Hope 3 to 48, inclusive Amended Notices of Lease Application	July 31, 1954	31 32	54 234-256, incl.
Hope 3 to 48, inclusive Amended Notices of Lease Application	Aug. 11, 1954	33 34	588-600, incl. 1-10, incl.
Hope 3 to 48, inclusive Amended Location Notices	Nov. 5, 1954	49	520-543, incl.
Hope 3 to 48, inclusive Withdrawal of Lease Application	Nov. 5, 1954	49	544
Hope 1 to 48 Assignment of rights to Umont Mining Inc.	Dec. 2, 1954	52	410-416, incl.
Hope 1 to 48 Quit Claim Deed Owners to Umont Mining Inc.	Dec. 2, 1954	52	415-416

The Hope group as amended covers an area of about 900 acres lying in and adjacent to Day Canyon.

PRESENT STATUS

Exploration and Development

Exploration performed to date on the Hope group of claims consists of access roads to the area and a bulldozed trench at the south end of Hope No. 13 claim. Samples taken by the applicant from various locations in the trench assayed 0.082, 0.075, and 0.196 percent U_3O_8. The highest

grade sample represented a very thin seam (about one-quarter inch thick) of vitreous carbon. No other exploration has been performed on the property. A hole was drilled by another operator about 1/4 mile east of the east edge of the Hope Claim Group but no information is available concerning the results.

The applicant uses projected favorable criteria from ore discoveries several miles from the subject property to justify an exploration program.

Mining and Milling Equipment and Other Facilities

There are no equipment or facilities of any kind on the subject property. Project personnel would probably live in Moab, Utah and commute to the claim area. The necessary equipment and supplies for drilling would be furnished by the Contractor. Water for drilling could be hauled from the Colorado River, 3 miles from the property.

Access roads have been constructed to the area but would require maintenance since they lie in a deep canyon and are subject to washouts by flash floods.

There are no power facilities on the property. Any electricity needed would be generated by gasoline- or diesel-driven light plants.

GEOLOGY AND ORE DEPOSITS

The Hope group of claims of Umont Mining Inc. are on the northeast flank of the Cane Creek Anticline (fig. 2). The dip of the beds on the property is 4° northeast. Formations exposed on the property are the Triassic Chinle formation, exposed in the bottom of Day Canyon, the Triassic Wingate formation, which forms the steep walls and the Triassic (?) Kayenta formation, which caps the Wingate cliffs. (The Wingate and Kayenta formations were thought to be Jurassic at the time the photo-

geologic map (fig. 2) was prepared.)

The Chinle formation, is only partly exposed on the property; the lower part, in which ore deposits are likely to occur, is concealed. From exposures in Dry Fork Canyon to the north and in Long Canyon to the south (fig. 2), the Chinle is known to be about 360 feet thick. On the Umont property in Day Canyon a maximum thickness of 260 feet of the upper part of the Chinle is exposed at the fork of Day Canyon in the north half of section 10 (fig. 2). Upstream and downstream from this point the exposed thickness of the Chinle is less, so that drilling depths to the base of the Chinle would exceed 100 feet.

According to Dooley F. Wheeler, geologist for the applicant, and H. S. Johnson, U. S. Geological Survey, the basal Chinle sandstone exposed in Long Canyon southwest of the property is red, not more than 3 feet thick and contains much mudstone; it does not appear favorable for significant ore deposits.

One drill hole was found just northeast of the applicant's property on school section 2 (fig. 2). None of the cuttings from the drill hole were mineralized and it is possible that the hole was bottomed short of the Chinle.

Weakly mineralized carbonaceous sandstone beds are exposed in a bulldozer trench (see fig. 2) in a 15-foot sandstone ledge, just above the middle of the Chinle formation. According to Mr. Dooley P. Wheeler, representing the applicant, this ledge also contains weakly mineralized sandstone elsewhere on the property (fig. 2). In the bulldozer pit, the sandstone ledge is cross-bedded. Two small weakly mineralized pods with a maximum thickness of $2\frac{1}{2}$ feet and a length of about 20 feet occur at different horizons. The pods appear to be localized by cross-bedding.

A channel sample was taken across 2½ feet, the maximum thickness exposed, of carbon-bearing, limonite-stained sandstone. This sample was later checked by radiometric probe and found to be essentially barren, except for sparse fragments of carbon, which were radioactive. It is presumed that the ore grade assay, reported by the applicant, on a sample from the trench was made only on the carbon.

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PROPOSED EXPLORATION

The applicant proposes an exploration program consisting of two stages of drilling to test potential ore-bearing horizons of the Chinle formation. The first stage of drilling would be non-core and would test the ground for evidence of channeling or other favorable criteria for uranium deposition. Twelve holes located as shown on figure 3 are proposed for this phase of the program. The necessary work for drill site and access road construction is included in the first stage.

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The total estimated cost of the proposed project is $10,823.29; Government participation at 75 percent is $8,117.47. The applicant has made serious errors in computing the estimated drilling costs in his proposed exploration program. However, since DMEA participation is not recommended, no attempt has been made to revise the estimate.

CONCLUSIONS

No production from the Hope group of claims has been made to date. The Cane Creek school section 32 mine of Climax Uranium, 6 miles southeast of the subject claims, had a production as of March 31, 1956, of 168 tons of 0.47 percent uranium ore, and has reserves of 12,000 tons of ore containing 0.30 percent of U_3O_8. The Hope claims lie in relatively the same position as the Climax Uranium mine in relation to the Cane Creek anticline. However, there is no evidence to show that this position necessarily indicates a favorable area. Evaluation of the property on its own merits and with reasonable consideration of the surrounding area in general, does not indicate the possibility of substantial uranium ore deposits.

RECOMMENDATIONS

It is recommended that the application for DMEA exploration assistance be denied without prejudice. If Umont Mining Inc. should re-apply after completion of some drilling, a field examination and supplementary report should be made to re-evaluate the property.

5-15-56

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
MAY 14 1956

May 11, 1956

224 New Customhouse
Denver 2, Colorado

Mr. Dooley P. Wheeler, Jr.
Uranet Mining Company
912 Kearns Building
Salt Lake City 1, Utah

Re: DMEA Docket 4149 (Uranium) Hope group of claims, Grand County, Utah

Dear Mr. Wheeler:

This will acknowledge receipt of your letter dated May 8, 1956 regarding the present status of the captioned application.

Your application has been placed in its proper turn for a field examination, but due to the present heavy work load in the field, we can not at this time give you a definite date for the field examination. When a date can be definitely scheduled, you will be advised so that you or your representative may accompany the field examiners.

Our best estimate, at this time, indicates that should your application go to contract, it would be after July 1, 1956. Since your assessment work must be completed prior to July 1, 1956, we strongly advise that you not wait to perform your assessment work concurrently with your proposed DMEA project.

Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

HMC:ab

cc: Chair. Op. Comm. (2)
Harshman
Hasler
Shaw (2)
Docket 4149
Chron.

UMONT MINING INC.

King Street Dock
Burlington, Vermont

912 Kearns Building
Salt Lake City 1, Utah

COPY

May 8, 1956

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

Re: Docket DMEA 4149 (Uranium) Hope Group of claims, Grand County, Utah

Dear Mr. Traver:

This is a letter of inquiry regarding the present status of the above application.

We would appreciate an estimate of the latest date on which we can expect conclusive action on our application inasmuch as we are confronted with the requirement for doing assessment work before July 1, 1956, and would like to do that work at the same time we are active on the DMEA project Docket No. 4149.

Yours very truly,

/S/ Dooley P. Wheeler, Jr.

cc: Umont, Inc. - Vermont
File

UMONT MINING INC.

King Street Dock
Burlington, Vermont

912 Kearns Building
Salt Lake City 1, Utah

COPY

May 8, 1956

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

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File

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

May 11, 1956

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Denver 2, Colorado

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Very truly yours,

W. M. TRAVER

W. M. Traver
Executive Officer, DMEA
Field Team, Region III

HMC:ab

cc: Chair. Op. Comm. (1)
Harshman
Hasler
Shaw (2)
Docket 4149
Chron.

FEB 20 1956

RECEIVED
FEB 20 1956

DMEA
DENVER

FEB 15 1956

BUREAU OF MINES
Denver, Colorado

February 14, 1956

Memorandum

To: W. M. Traver, Executive Officer, DMEA Field Team, Reg. III

From: Superintendent, Denver Experiment Station, Reg. III

Subject: Docket DMEA 4149 (Uranium), Uncomt Mining Inc., Hope group of claims, Grand County, Utah

The subject application in the amount of $10,823.29 was received in this office on February 14, 1956.

A field examination will be made and suitable report prepared by an engineer from the Denver or Grand Junction, office.

JOHN F. SHAW
John F. Shaw

cc: W. M. Traver (2)
E. N. Marshman
J. W Hasler
M. H. Salsbury
J. F. Shaw
Sec. Op. Com. (2)

DMEA
Received
FEB 15 1956
BUREAU OF MINES
Denver, Colorado

February 14, 1956

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JOHN F. SHAW
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cc: W. M. Traver (2)
E. N. Harshman
J. W Hasler
M. N. Salsbury
J. F. Shaw
Sec. Off. Com. (2)

2-15-56 [illegible]

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
FEB 15 1956

February 13, 1956

224 New Customhouse
Denver 2, Colorado

Memorandum

To: J. F. Shaw (With brochure)
J. W. Hasler

From: Field Team, Region III

Subject: Docket DMEA 4149 (Uranium), Umont Mining Inc., Hope Group of Claims, Grand County, Utah

Enclosed is the subject application in the amount of $10,623.29. A field examination and suitable report are required.

Enclosed for your information are a copy of a letter from the Chairman of the Operating Committee and memoranda of review of the application by W. P. Williams and John E. Crawford.

If you recommend an exploration program as submitted or revised by the applicant, the mining claims located on school land should not be included in the recommended program as the operator makes no claim to title of said claims. In this case, please list and show on a map the claims you recommend that should be included, and request the applicant to furnish the recording data for each of the said claims.

DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

HMC:ab

cc: Chair. Op. Comm. (2)
Harshman
Docket 4149
Chron.

RECEIVED
FEB 17 1956

February 13, 1956

324 New Customhouse
Denver 2, Colorado

Memorandum

To: J. W. Shaw (With brochure)
J. W. Healer

From: Field Team, Region III

Subject: Docket DMEA 4149 (Uranium), Uhout Mining Inc., Hope Group of Claims, Grand County, Utah

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DMEA Field Team, Region III

W. M. TRAVER,

By W. M. Traver
Executive Officer

HMC:ab

cc: Chair. Op. Comm. (2)
Harshman
Docket 4149
Chron.

700

FILE COPY
Surname: Knouse (2)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. W. M. Traver
Executive Officer
DMEA Field Team, Region III
224 New Customhouse Building
Denver 2, Colorado

1 0 1956

Re: Docket No. DMEA-4149 (Uranium)
Smont Mining Inc.
Hope Group of Claims
Grand County, Utah

Dear Mr. Traver:

The captioned application is referred to your office for either a field examination and report on the proposed project or your recommendations based on information available to your office. A copy of the application was forwarded to your office on January 31, 1956.

Enclosed are copies of memoranda, dated February 1 and 7, 1956, from Mr. W. P. Williams, USGS, and Mr. John E. Crawford, USBM, respectively, relating to the subject project.

If the Field Team recommends an exploration program as submitted or revised by the Applicant, the mining claims located on school land should not be included in the recommended program, as the Operator makes no claim to the title of said claims. In this case, please list and show on a map the claims the Field Team recommends that should be included, and request the Applicant to furnish the recording date for each of the said claims.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee

Enclosures

APPROVED:

/s/ Robert W. Geehan
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

FLKnouse/izm 2/9/56
cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
Operating Committee
Messrs. JECrawford, Rm. 3641
THKiilsgaard, Rm. 5224
JOHosted, Rm. 3210, GSA

700

FILE COPY
Surname: Knouse (P)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

FEB 10 1956

Umont Mining Inc.
912 Kearns Building
Salt Lake City 1, Utah

Re: Docket No. DMEA-4149 (Uranium)
Hope Group of Claims
Grand County, Utah

Gentlemen:

The application for assistance in exploring your claims, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred to the Executive Officer of Region III at the following address:

Mr. W. H. Traver
Executive Officer
DMEA Field Team, Region III
22h New Customhouse Building
Denver 2, Colorado

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mitterdorf

Administrator

cc to: Docket
Code 700
Mr. Knouse
Admr.'s Reading File
DMEA Field Team, Region III (2)
Mr. L. P. Evans, Jr., Burlington, Vermont

FLKnouse/izm 2/9/56

2/7/56 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

February 7, 1956

Memorandum

RECEIVED
FEB - 7 1956

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 4149, Umont Mining, Inc., Hope group, Grand County, Utah

I have reviewed the attached application for assistance, DMEA Docket 4149, Umont Mining, Inc., Grand County, Utah, dated January 30, 1956, and received in this office on January 31. I have also discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The organization has prepared access roads and conducted some trenching of the Chinle formation on the Hope claims. Sample material taken from the trench assayed .082, 0.75, and .019 percent U_3O_8. The uranium-bearing mineral was not identified. The possibility was mentioned that a mineralized channel may exist at the base of the Chinle formation on the subject claims.

The applicant is desirous of drilling 23 holes to determine the extent of the mineralization on the property. Should any of the 23 holes prove that significant amounts of uranium exist therein, the applicant requests that as many as 5 off-set holes be allowed to verify the findings. Holes would be cored only if logging information indicated the presence of radioactivity. The cost of the proposed exploration project is estimated to be $10,823.29. ?

We suggest that the application be referred to the Field Team for review and a possible field examination, and that the Field Team consult with E. R. Gordon, Atomic Energy Commission, Grand Junction, Colorado.

John E Crawford
John E. Crawford

Attachment

2-2-56 dgm

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
FEB - 2 1956

February 1, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Application, DMEA 4149, Umont Mining Inc., Hope claims, Moab District, Grand County, Utah.

The applicant proposes a modest core drilling exploration project for uranium ore in Day Canyon. The project would consist of about 2,175 feet of drilling at a total estimated cost of $10,823.

The Hope claims are not close to producing mines or known ore deposits. Uranium mineralization is found on the property in middle Chinle sandstones. Samples taken from a trench on the property assayed 0.082, 0.075, and 0.196 percent U_3O_8. In the vicinity of the property uranium mineralization is known to be scattered through a large vertical rock section. The middle Chinle sands have not, however, been a stand out success in producing significant ore bodies. The lower Chinle, including the Mossback and Shinarump zones, are buried on the property. Even if these two members were present, which is not known, nothing is known concerning their structure, such as channel scours, thickness, lithologic characteristics, and others. The applicant states, "The drill target will be essentially horizontal potential sandstone or conglomerate lenses or channels at the base of the Chinle formation. Such lenses or channels, if present, could have uranium-vanadium ore deposits in them." The first holes of a drilling project would, therefore, obviously be searching for favorable host rocks and structures rather than primarily for ore.

I do not think the property warrants DMEA participation. There is a possibility that the AEC may have done some drilling near the property which would allow some evaluation of the lower Chinle.

I recommend that the Field Team be asked for additional information and recommendations. At this point I would recommend that the applicant be advised that not enough prospecting work has been done on the property for DMEA to give the application full appraisal.

W P Williams

W. P. Williams

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
FEB - 2 1956

February 1, 1956

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Application, DMEA 4149, Uranet Mining Inc., Hope claims, Moab District, Grand County, Utah.

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I recommend that the Field Team be asked for additional information and recommendations. At this point I would recommend that the applicant be advised that not enough prospecting work has been done on the property for DMEA to give the application full appraisal.

WPWilliams:iml
G-2/1/56

W. P. Williams

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file; J. E. Crawford, 3641; J. O. Rosted, 3210

January 31, 1956

Subject: DMEA-4149
Re: Exploration Assistance
Hope Group

Umont Mining Inc.
912 Kearns Building
Salt Lake City 1, Utah

Gentlemen:

The receipt of your application dated January 27, 1956, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-4149 and referred to the Rare & Misc. Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932

Umont Mining Inc.

THIS LETTER FROM ☐
KING STREET DOCK
BURLINGTON, VERMONT

RECEIVED
JAN 30 1956

THIS LETTER FROM ☒
912 KEARNS BUILDING
SALT LAKE CITY 1, UTAH

January 28, 1956

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Attached please find an application by Umont Mining Inc., for a defense minerals loan for exploration of their Hope group of claims in Grand County, Utah.

Correspondence concerning this application should be directed to Dooley P. Wheeler, Jr., 912 Kearns Building, Salt Lake City, Utah, with copies to L. P. Evans, Jr., King Street Dock, Burlington, Vermont.

In estimating costs we have allowed for no unusual drilling problems or unfortunate weather conditions and our aim will be to terminate the drilling in connection with this DMEA project in 10 to 14 days from starting of drilling. The enclosed Minerals Engineering bid was used as a basis for calculating drill costs. The revised core drilling cost on the margin of the bid was supplied by Edson Foster verbally when we requested a drill rig capable of wet or dry rotary and high speed core drilling. Other drill bids are enclosed but they were not used because we consider the prices quoted too high.

The project assumes an over-all cost of $10,823.29 for an estimated 3,175 feet of drilling. The estimated cost per foot of drilling is, thus, $3.41.

Umont will make every effort to reduce the cost per foot of drilling consistent with the objective, which is to find ore. If the cost per foot of drilling is such that additional drill holes can be drilled for the above estimated over-all cost, Umont would like to be able to use all the appropriated money for additional exploratory drilling, if mineralization is encountered.

Mr. D. F. Coolbaugh prepared the first draft of this DMEA loan application and the attached is the Coolbaugh application revised by the general manager of Umont Ming Inc. Responsibility for the accuracy of the application is hereby assumed by the management of Umont.

Yours very truly,

Dooley P. Wheeler Jr.

Dooley P. Wheeler, Jr.
General Manager

DPW:lh

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
JAN 30 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant.

Docket No. DMEA - 4149
Metal or Mineral Uranium
Date Received 1-30-56
Estimated Cost $10,823.29
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Umont Mining Inc., King Street Dock, Burlington, Vermont a Vermont corporation.
Mailing address: Umont Mining Inc., 912 Kearns Building Salt Lake City 1, Utah, with copies to Burlington

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. see attached sheet

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Hope #3 to #48, inclusive (See Schedule A attached)

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise Owner

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. (See Schedule B attached)

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore uranium, vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract. weather permitting

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? yes

(*b*) How do you propose to furnish your share of the costs?

[x] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated January 27, 1956

Umont Mining, Inc.
(Applicant)

By [signature] Pres.

[signature] V. Pres & Gen Man

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

1. (c) Officers of Umont Mining, Inc.:

RECEIVED
JAN 30 1956

President -	L. P. Evans, Jr. King Street Dock Burlington, Vermont
Vice-President- General Manager	Dooley P. Wheeler, Jr. Salt Lake City, Utah
Secretary-Treas.	R. H. Wadhams King Street Dock Burlington, Vermont
Assistant Treas.	A. Reed Reynolds, Jr. Box 685 Moab, Utah

MW F. J. Fayette

SCHEDULE A

Group Boundary Description

Beginning at the N.W. Corner of Hope #45 which point is N 65° W - 130 feet thence S 37° 50' W - 600 feet from Sec. Cor. 9-10-15 and 16-T 26S - R 20 E, thence N 30° 30' W 3000 feet, thence N 37° 50' E - 600 feet, thence S 30° 30' E - 300 feet, thence N 37° 50' E - 1500 feet, thence N 30° 30' W - 300 feet, thence N 37° 50' E - 1425 feet, thence N 51° 20' E - 3075 feet, thence N 30° 30' W 600 feet, thence N 51° 20' E 1137 feet, thence N 66° 20' E - 363 feet, thence S 30° 30' E - 600 feet, thence N 66° 20' E - 1200 feet, thence S 30° 30' E - 900 feet, thence N 66° 20' E - 813 feet, thence N 59° 20' E 687 feet, thence S 30° 30' E - 1200 feet, thence S 59° 20' W 687 feet, thence S 66° 20' W - 813 feet, thence S 30° 30' E 900 feet, thence S 66° 20' W - 600 feet, thence S 30° 30' E - 1500 feet, thence S 66° 20' W - 963 feet, thence S 51° 20' W - 4212 feet, thence S 37° 50' W - 3525 feet, thence N 30° 30' W - 1500 feet to the place of the beginning.

The above description includes lands within Section 2 and 16, which are School lands and to which the Umont Mining, Inc., makes no claim of title.

A. REED REYNOLDS
ROBERT C. GIBSON

REYNOLDS & GIBSON
ATTORNEYS AT LAW
201 POST OFFICE BUILDING
MOAB, UTAH

ALPINE 3-4591
POST OFFICE BOX 685

November 9, 1955

RECEIVED
JAN 30 1956
DMEA-4149

Board of Directors
Umont Mining, Inc.
King Street Dock
Burlington, Vermont

Re: Title Report Covering Unpatented Mining Claims Situate in Grand County, State of Utah.

Gentlemen:

Pursuant to your request, the following is a title report covering the hereinafter described unpatented mining claims situate in Grand County, State of Utah, and more particularly described as follows, to wit:

Hope #3 through #38, inclusive.

Matters examined are as follows:

1. The official records of the County of Grand, State of Utah.

2. The plat and tract book records in the Land Office, Bureau of Land Management, Federal Building, Salt Lake City, Utah.

3. A certified survey map of R. J. Scanlon, registered land surveyor, dated May 30, 1954 (copy of which is attached).

In determining the rights of persons in unpatented lode mining claims, the nature of the title acquired presents two separate and distinct problems. First, the record title must be considered in the light of the initiation of possessory title to a claim and subsequent transfers or encumbrances. The act of recording the notices of location, in part, initiates possessory title to a mining claim and this represents the only documentary evidence of title to such a claim, since no patent issues or grant occurs in the beginning. Secondly, the physical act of locating land on the public domain upon land open to mineral entry initiates, in part, a possessory right to a mining claim which carries with it the right to remove ores therefrom. It must be, of course,

A. REED REYNOLDS
ROBERT C. GIBSON

REYNOLDS & GIBSON
ATTORNEYS AT LAW
201 POST OFFICE BUILDING
MOAB, UTAH

ALPINE 3-4591
POST OFFICE BOX 685

always kept in mind that the title of the United States Government is paramount to that of anyone until such time as patent proceedings have been completed.

If the exact location of a unpatented mining claim can be determined, the availability of that specific land for mineral entry can be ascertained. In this regard, a survey of the subject land is most helpful, since unpatented mining claims are not identified on official records in such a way as to indicate the exact location of the same until after patent therefor has been issued pursuant to application.

Since the exact location of a mining claim cannot be determined from official county records, certain conditions with regard to valid location must be assumed in rendering a title report. Such an assumption is generally based upon personal knowledge, documentary representation (such as survey maps) and representations of persons familiar with the subject claims. For example, without personal knowledge to the contrary, it must be assumed as follows:

1. That there has been timely compliance with requirements of properly posting the notices of location and marking the claims on the ground so that the boundaries thereof can be readily traced.

2. That the mining claims in question are located where shown on survey maps and that no conflicting locations with prior rights exist, which are not shown on such maps.

3. Generally, it must be assumed that assessment or discovery work has been accomplished as required by law. If affidavits of such assessment work are timely recorded, the owners of unpatented mining claims are given the presumption that such work has been accomplished. However, the failure to file such an affidavit of annual assessment does not invalidate the claim, but destroys the presumption that such work has been done and creates a burden on the part of the owner to establish that such has been accomplished.

4. A valid discovery must also be assumed. The Federal and State laws require the discovery of valuable

A. REED REYNOLDS
ROBERT C. GIBSON

REYNOLDS & GIBSON
ATTORNEYS AT LAW
201 POST OFFICE BUILDING
MOAB, UTAH

ALPINE 3-4591
POST OFFICE BOX 685

mineral in order to establish a valid mining claim. The question of what constitutes a discovery is for practical purposes a question of fact depending to a large extent upon evidence sufficient to cause a reasonable man to expend further time, energy and money in developing the mining claim looking toward the discovery of mineral in place. No mining claim has validity prior to discovery; however, a locator in actual possession of a claim actively and diligently working for discovery is protected if he remains in possession and continues work and thereafter discovery occurs. This principle applies in our opinion only to those claims within a group on which work continues and possession is maintained.

Mining locations made after December 31, 1952, and prior to the Act of August 13, 1954, (68 Stat. 708) on lands covered by minerals leaseable under the Leasing Act of 1920 were not valid locations. However, in providing for multiple use of the public domain, the aforesaid Act established procedures for the validation of certain of those mining claims, and new locations of mining claims made after the effective date of said Act are valid locations under the terms thereof even though on lands covered by prior existing rights under the aforesaid Leasing Act of 1920. The Act of August 13, 1954, in effect acknowledged the procedures established by Atomic Energy Commission Domestic Uranium Program Circular 7 and in part the procedures for validation of certain mining claims were predicated upon compliance with the aforesaid Circular 7.

From our examination of the aforesaid matters affecting title to the subject mining claims, we find as follows:

The mining claims, Hope 1 through 37, inclusive, were originally located on December 22, 24, 26 and 28, 1953, in the names of Jim Jackson, Kenneth Allred, Marlowe Smith and John Levering, and recorded in the Office of the Grand County Recorder, State of Utah, on the 29th day of December, 1953, in Book 16, Pages 293 to 329, inclusive. From examination of the records of the Land Office as above indicated, it was determined that the original locations of the Hope claims were made on lands subject to prior existing rights under the Mineral Leasing Act of 1920, and were, therefore, at the time of such location invalid.

A. REED REYNOLDS
ROBERT C. GIBSON

REYNOLDS & GIBSON
ATTORNEYS AT LAW
201 POST OFFICE BUILDING
MOAB, UTAH

ALPINE 3-4591
POST OFFICE BOX 685

On February 10, 1954, the Atomic Energy Commission published its Circular 7, which was an attempt to remedy difficulties created as a result of a conflict of mining locations with prior rights existing under the aforesaid Mineral Leasing Act and with the similar disability referred to above in connection with the Hope claims 1 to 37, inclusive. Thereafter on the 17th day of March, 1954, the original locators made application with the A.E.C. pursuant to the provisions of Circular 7 covering the Hope claims 1 to 28, inclusive, and the notices of intention to lease were recorded on March 25, 1954, in Book 22, Pages 246 to 259, inclusive. Also on March 16, 1954, application for mining lease was made to the Atomic Energy Commission covering the Hope claims 29 to 37, inclusive, and the notices of intention to lease were recorded on April 12, 1954, in Book 23, Pages 405 to 409, inclusive. Subsequently, three sets of amended notices of lease application were posted and recorded for Hope mining claims (or lease tracts) 3 to 48, inclusive. The surveyor, Mr. W. O. Claxton, informs this office that the amendments were made pursuant to a survey of the original locations, Hope 1 to 37, inclusive. The three sets of amended notices of lease application were located and recorded as follows:

	Posted	Recorded
Hope 1 to 48, inclusive, Amended Lease Application	May 17, 1954	May 17, 1954 Book 26 Pages 586-600, incl., and Book 27, Pages 1 to 10, incl.
Hope 3 to 48, inclusive, Amended Notices of Lease Application	June 15,1954	July 31,1954 Book 32, Pages 234 to 256,incl.
Hope 3 to 48, inclusive, Amended Notices of Lease Application	Aug.9, 1954	August 11,1954 Book 33, Pages 588 to 600,incl., and Book 34,Pages 1 to 10, incl.

After the effective date of the Act of August 13, 1954 (68 Stat. 708) and on the 26th day of October, 1954, amended location notices for Hope 3 to 48, inclusive, were posted on the subject claims, and on November 5, 1954, copies of the same were recorded in the Office of the Grand County Recorder in Book 49 at Pages 520 to

A. REED REYNOLDS
ROBERT C. GIBSON

REYNOLDS & GIBSON
ATTORNEYS AT LAW
201 POST OFFICE BUILDING
MOAB, UTAH

ALPINE 3-4591
POST OFFICE BOX 685

543, inclusive, and on the 5th day of November, 1954, a withdrawal of the aforesaid lease application was made for Hopes 1 to 48, and was recorded in the Office of the Grand County Recorder at Book 49, Page 544; said amended notices of location and withdrawal of lease application were made pursuant to the provisions of the aforesaid Act of August 13, 1954, and for the purpose of validating the original Hope claims, 1 to 37, as amended by the survey resulting in the Hope claims, 3 to 48, inclusive.

On December 2, 1954, at Book 52, Pages 410 to 416, inclusive, appear an assignment of the rights of the original locators in and to the lease application made to the Atomic Energy Commission to Umont Mining, Inc., and a quit claim deed wherein the original locators and their wives quit claimed the subject mining claims to Umont Mining, Inc.; both assignment and quit claim deed were dated the 5th day of August, 1954. Also appearing of record is a subsequent quit claim deed by the original locators and their wives quit claiming unto Umont Mining, Inc., the subject claims, said deed having been dated the 16th day of November, 1954, and recorded the 2nd day of December, 1954, in the Office of the Grand County Recorder in Book 52, Pages 415 and 416.

From our examination of the foregoing matters, we find record possessory title to the aforesaid unpatented mining claims to be vested in Umont Mining, Inc., a Vermont Corporation, subject to the paramount title of the United States of America, which title carries with it the right to remove ores from said claims, subject, however, to the following matters, to wit:

1. Reference is hereby made to the attached copy of the certified survey of R. J. Scanlon. The subject map reflects the existence of certain conflicting mining claims. With reference to the mining claims known as Ruby E - 9 - 1 through E - 9 - 28, it appears that the same were originally located on the 18th day of January, 1954, and recorded in the Office of the Grand County Recorder on the 30th day of January, 1954, in the names of Glenn M. and James M. Ruby, which location was subsequent to the original location of the Hope claims 1 to 37, inclusive. Your attention is directed to the date of the Surveyor's map, which is May 30, 1954. The surveyor, Mr. W. O. Claxton, reports that

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he was on the subject land prior to May 30, 1954, and on frequent occasions up to said date and that the Ruby claims had not been completely monumented and described on the ground so that the same could be surveyed and platted on his map and that consequently only the general area of the Ruby claims is indicated on the map. Other persons purporting to be familiar with the general area in question have informed this office that the Ruby claims were not monumented and identified on the ground until many months after the original recording of the Ruby claims.

The Hope claims, having been located prior to the Ruby claims, would take precedence over the latter, assuming that the other elements of a valid claim obtained at the time of the location of the Ruby claims. However, the Hope claims as originally staked and numbered 1 to 37, inclusive, were apparently (insofar as a portion of the same are concerned) in excess of the allowable dimension, and when surveyed, the original 37 claims constituted 48 in number of claims with the appropriate dimension. It is, therefore, possible that some portion of the Ruby claims were located on the excessive portions of the original Hope claims, which Ruby claims would to that extent be valid, if the same were otherwise properly located. The area of conflict with the Ruby claims is in Section 9, T 26 S, R 20 E, SLM, Grand County, Utah, and as shown on the map affects the Hope claims 27, 28, 29, 41, 42, 46, 47 and 48. As you are aware, an attempt is currently being made to reconcile the conflict discussed herein with the appropriate parties in interest.

2. The Wow claims shown on the Surveyor's map attached hereto were originally located in the name of Tom Walker for George D. Fehr, which original location was in the form of a notice of lease application, dated June 15, 16 and 17, 1954, and recorded in the Office of the Grand County Recorder on June 21, 1954. These claims having been first located subsequent to the location of the Hope Claims are invalid insofar as the same conflict with the Hope claims, assuming that all other elements of a valid claim obtained at the time of the location of the Wow claims. However, as you are aware, an attempt is being made to reconcile the conflict with the Wow claims.

3. Your attention is directed to the mining claims, Ola and Bobbie Dick, which claims were originally located

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by Robert E. and Richard N. Mohler on the 21st day of November, 1953. These claims had prior location dates to that of the Hope claims, and to the extent that the same conflict with the Hope claims, the latter are invalid. The surveyor, W. O. Claxton, reports that the discovery monuments for the Hope claims, which are in conflict with the Ola and Bobbie Dick claims, are resting on land not so in conflict.

4. Your attention is directed to the mining claims, Arlene #32 and #34, which claims were originally staked in the name of Nick Bullick and later transferred to Onyx Corporation and were originally located many months prior to the location of the Hope claims. Therefore, the conflict with the Arlene claims shown on the map attached hereto results in an invalidation of the Hope claims to the extent of the conflict. The surveyor, W. O. Claxton, reports that the discovery monuments for the mining claims, Hope #43, #44 and #45, are resting on land not in conflict with the Arlene claims, which would make that portion of the subject Hope claims valid.

5. Your attention is directed to the fact that Hope claims, #45 and #46, have been partially located on State School land, which is not subject to the location of mining claims, and to the extent that the same lie on School land, they are not valid. The surveyor reports that the discovery monuments for Hope #45 and #46 are resting on public domain, consequently, the same should be valid.

6. Your attention is directed to the fact that portions of the Hope claims #3, #4 and #6 are located on State School land, which is not subject to the location of mining claims, and to that extent, the same are not valid. Here again, the surveyor reports that the discovery monuments for each of the subject claims are resting on public domain and are, therefore, valid.

Yours truly,

REYNOLDS & GIBSON

By A. Reed Reynolds
A. Reed Reynolds

ARR/gc
Enclosure

RECEIVED
JAN 30 1956

SCHEDULE B

Recording Information
Original Notices of Location,
Notice of Lease Application and Amended Notices

Name	Recorded	Book	Page
Hope #1 to 37, inclusive Original Notices of Location	December 29, 1953	16	293-329, incl.
Hope #1 to #28,incl., Notice of Lease Application	March 25, 1954	22	246-259, incl.
Hope #29 to #37, inclusive. Notice of Lease Application	April 12, 1954	23	405-409, incl.
Hope #1 to #48, inclusive. Amended Notice of Lease Application	May 17, 1954	26 & 27	586-600, incl. 1-10, incl.
Hope #3 to #48, inclusive. Amended Notice of Lease Application	July 31, 1954	31 & 32	54 & 234-256, incl.
Hope #3 to #48, inclusive. Amended Notice of Lease Application	August 11, 1954	33 & 34	588-600, incl., & 1-10, incl.
Hope #3 to #48, inclusive. Amended Notices of Location	November 5, 1954	49	520-543, incl.

RECEIVED
JAN 30 1956

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Re: application for aid in an exploration project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended

4. Physical description (a) Road work and trenching has been done on the Hope claims by Umont Mining Inc. The approximate location of the roads and trenching is shown on the enclosed topographic map (Figure #1) and claim map (Figure 2). The trenching was done in a sandstone member near the middle of the Chinle formation at a location which exhibited high surface radiation. No other physical exploration has been done on these claims.

(b) There has been no past production of any minerals from the Hope Claims.

There is no current production of any minerals from the Hope Claims.

Although uranium mineralization is known to occur on the Hope Claims there has not been sufficient exploration to block out ore reserves.

(c) The Hope group of approximately 45 mining claims is situated in and adjacent to Day Canyon and the east fork of Dry Fork in Township 26 South, Range 20 East, Sections 3, 9, 10, 11 and 15 SLBM, Grand County, Utah. (See Figures 1 and 2).

The claims can be reached by road. The MGM Petroleum Company maintains a gravel all-weather road, which turns south from U. S. Highway 160 one mile north of the Moab bridge across the Colorado

River. This road is followed for 12.1 miles along the Colorado River to where a jeep road branches to the northwest into Bull-Day Canyon.

This road is followed for 2.2 miles before the northeastern edge of the Hope Group of claims is reached. A road has been bulldozed approximately 2500 feet farther into the canyon.

Surface elevations range from 4400 feet to 5800 feet in the claim area. The canyon is quite restricted by steep slopes, but the area to be drilled has a gentle gradient and sufficient width and soil for inexpensive drill road excavation by bulldozer.

GEOLOGY: 4 (c)

Long Canyon: The geologic section was observed in Long Canyon near the Hill Mine which is approximately 7000 feet south of the claims in Day Canyon. All thicknesses, except that of the Chinle, are approximate. The Chinle thickness was measured.

Wingate	350 feet		
Chinle	375 feet	Red shaly sandstones and red shale -----	upper 1/3
		Gray sandstone and shale, pebble conglomerate, local cross bedded shale-sandstone unit --	middle 1/3
		Gray shale with very minor sandstone --	lower 1/3
Moenkopi	170 feet or more exposed		

The mineralization in the Hill Mine appears to be limited to the middle sandstone beds. Present workings are very limited, and large reserves are not evident.

Dry Canyon: The geologic section was observed in Dry Canyon at a point approximately 1000 feet northwest of the claims in Day Canyon. All thicknesses except those of the Chinle are approximate. The units of the Chinle were measured.

Wingate	350 feet		
Chinle	360 feet.	Red shales and siltstone at top --	50 ft.
		Gray, buff, reddish sandstone, local cross-bedded shale and shale pebble conglomerate, local carbon and petrified logs --	110 ft.
		Red, green and gray shales and sandstones, base of Chinle locally thinly sandy --	200 ft.

Moenkopi At least 30 feet observed

Day Canyon: The Wingate and Chinle formations are exposed in the walls of Day Canyon. No Shinarump or Moenkopi is exposed and it is believed that little or no Shinarump will be encountered in drilling. Potentially productive basal sandstones in the Chinle might exist 75 to 325 feet below the surface in Day Canyon.

There is said to be a thickening of the Chinle formation to the southwest which is toward the axis of the Cane Creek Anticline. The axis of the Anticline lies between one and two miles to the southwest of the Hope Claims.

The geologic section observed in Day Canyon is recorded below. The thickness of the Wingate is estimated, but the Chinle exposed thickness and units were measured.

Wingate	350 feet		
Chinle	313 feet	Red sandstones and shales at top --	90 ft.
		Buff sandstone - - - - - - - - - - - --	40 ft.
		Cross-bedded green and red shale and siltstones - - - - - - - - - - --	50 ft.
		Buff to gray sandstone, commonly has basal intraformational conglomerate bed 2 to 4 ft. thick with shale pebbles. Local carbonaceous trash -	23 ft.
		Gray-green-red platy shale and siltstone - - - - - - - - - - - -	110 ft.
		Bottom not exposed --	

The results of the drilling done by Moab Associated Ltd. in section 2 of Day Canyon are not known. The nearest drill hole was put down about $\frac{1}{4}$ mile east of the east edge of the Hope claim group. Drill cores were not taken. Cuttings indicate no appreciable thicknesses of basal sandstone or conglomerate, and if mineralization was encountered there is no sign of it left at the drill sites.

Radioactivity was noted at numerous localities in the Hope claims in Day Canyon in the buff to gray sandstone just above the gray-green-red

platy shale and siltstone. This radioactivity, although not intense, appears rather wide spread. The approximate location of the anomalous areas are shown in red on Figure #1. The mineral giving rise to the radioactivity in the tight medium grained sandstone has not been identified. Mineralized samples taken before the trenching was done gave a maximum radiometric assay of .08 U_3O_8. Samples taken from the trench at different locations assayed 0.082, 0.075 and 0.196 percent U_3O_8.

Carbon trash was noted in numerous of the Chinle sandstone members, but it is most common in the lowest sandstone member exposed in Day Canyon, just above the platy gray-green-red shale.

PROXIMITY TO KNOWN DEPOSITS:

The Hope claims lie approximately 13 miles east of ore deposits in Mineral Canyon, 6 miles northwest of Climax Uranium's school section 32 deposit which is located on the northeast flank of the Cane Creek Anticline, and 1.5 miles northwest of the Hill Mine or prospect in Long Canyon.

Deep drilling for uranium, by Uranium Engineering Company in the vicinity of Ruby #1 oil well 5 or 6 miles west of the Hope group of claims found small spotty concentrations of uranium mineralization in a sandstone-conglomerate channel whose trend is, as nearby as could be determined, approximately east-west. East-west trending channels in the Ruby oil well area would not outcrop anywhere east of the Green River and the Hope claim area gives the shallowest drill depths possible for checking the potential channels east of the Ruby oil well area.

All the deposits listed above are in Chinle sandstones. The best deposit, in Climax Uranium's school section 32, is evidently a basal Mossback sandstone of the Chinle.

Mineralized zones have been found in the middle of the Chinle, and trenching has located more extensive mineralization than was found in the outcrops. There is drill evidence to the west that a mineralized channel could exist at the base of the Chinle in the Hope claim group. It is felt, therefore, that the claims warrant exploration of the base of the Chinle.

(d) The difficult and expensive road building is already completed thereby greatly decreasing the cost of further exploration. The claims can be reached by road as explained in 4 (c) above. Drill site roads will, however, have to be built for some of the contemplated drilling. The access road to the claims is subject to washouts and will have to be maintained.

The claims lie only 17 road miles from Moab, Utah, and only 14 miles from the new uranium mill being built north of Moab, Utah.

Supply and residence facilities are located in Moab, Utah.

(e) No electric power is available at the claims. Water is available from the Colorado River, which is two miles from the claims. Water is also available from springs closer than two miles. These springs run most of the year.

There is no shortage of manpower, drilling contractors or drilling supplies in the Moab area.

5 (a) Uranium, vanadium

(b) Enclosed Figure 2 shows the location of the proposed drill holes. Other than the road work necessary to carry out the drilling program and the actual drilling, no other exploration work is to be undertaken.

Since this exploration project must develop as the results of the drilling become known, an estimated five holes of average depth are

included to be used as offset holes if warranted by the drill holes as plotted.

The drill target will be essentially horizontal potential sandstone or conglomerate lenses or channels at the base of the Chinle formation. Such lenses or channels, if present, could have uranium-vanadium ore deposits in them.

Coring will be carried out only after logging information indicates mineralization in the vicinity.

(c) 30 days 3 months, weather permitting.

(d) Umont Mining Inc. has as its General Manager, Mr. Dooley P. Wheeler, Jr., of Salt Lake City, Utah. Mr. Wheeler is a capable geologist having had approximately fifteen years of experience in exploration work as an employee of the U. S. G. S., The American Metal Company, Limited, Cerro de Pasco Corporation, Eagle-Picher Company, and as an independent consultant in Mexico and the United States. Mr. Wheeler will supervise the work contemplated.

6 (a) Independent Contractors

Drilling -- Eleven holes plus one. Followed by five holes if first eleven holes give encouragement.

Breakdown of drill costs:

11 holes to depth of 100 feet or more -	1100 x $1.50 -	$1650.00	
4 holes to depth of 200 feet or more -	400 x 1.75 -	700.00	
1 hole to depth of 175 feet -	75 x 1.75 -	131.25	
3 holes to depth of 150 feet or more -	150 x 1.75 -	262.50	
3 holes going plus 200 or plus 300 feet	250 x 2.00 -	500.00	
1 extra hole 200 feet deep as contingency factor - - - - - - - -	200 x 1.75 -	350.00	
Mobilization - - - - - - - - - - - - - -		500.00	
Total for 11 holes	2175	$4093.75	
5 holes averaging 200 feet deep for offset exploratory drilling in case a good mineralized target is found in drilling the above holes			
5 x 150 feet of rotary drilling - - -		$1187.50	
5 x 50 feet of core drilling @ $3.00 per foot		750.00	
Total for 5 extra holes - - -		$1937.50	
Total Drill Contract Cost			$6031.25
Road Building			
Bulldozer rental for 50 hours at $14.00 per hour		$ 700.00	
Bulldozer mobilization contingency - - - -		100.00	
		$ 800.00	
Total Road Building			$ 800.00

(b) Labor, Supervision, Consultants

Engineer and helper 2 days at $100 per day incl. expenses	$ 200.00	
Consulting geologist for 14 days at $75 per day incl. "	1050.00	
Umont Management for 14 days at $75 per day " "	1050.00	
Draftsman at $2.40 per hour (25 hours) - - -	60.00	
	$2360.00	
		$2360.00

(c) Operating Materials and Supplies

100 sample sacks (7" x 14") - - - - - - - - -	15.60	
50 core boxes at $1.25 each - - - - - - - - -	62.50	
	$ 78.10	
		$ 78.10

(d) Operating Equipment

Hertz rental jeep for two weeks - - - - - - - - -	$ 220.00	
Rental of logging device (Geiger) - - - - - - - -	150.00	
	$ 370.00	
		$ 370.00

(e) Rehabilitation and repairs - - - - - - - - - None

(f) New buildings, improvements, installation - - - - None

(g) Miscellaneous

Assay of an estimated 40 samples at $5.00 each - - -	$ 200.00	
		$ 200.00

(h) Contingencies

10% of $9839.35		$ 983.94
Total Cost		$10823.29

1 original
4 carbons

MINERALS ENGINEERING COMPANY

P. O. BOX 1951
GRAND JUNCTION, COLORADO

December 8, 1955

RECEIVED
JAN 30 1956

Mr. Dooley P. Wheeler, Jr.
Kearn's Building
Salt Lake City, Utah

Dear Mr. Wheeler:

Time $150 mo
Drilling

In reply to your inquiries to Sherman Asplund regarding a bid for drilling your ground located approximately 12 miles down the Colorado River from Moab, Utah, please accept the following quotations as our estimate for a 2,000-foot minimum contract:

Depth	Wagon Drilling	Price per Foot Rotary Drilling	Core Drilling		Revised Core Drilling
0-100 feet	$ .75	$ 1.50	$ 2.00	2.75	$2.75
100-200 feet	1.35	1.75	2.25	3.00	3.00
200-300 feet	1.75	2.00	2.50	3.25	3.25

In addition to the above prices, we would want $500 for move-in charge. If drilling exceeds 5,000 feet, the move-in charge would be rebated. Stand-by time is bid at the rate of $12 an hour.

It is our understanding you would have all access and drill roads suitable for 2-wheel drive equipment.

If there are any further questions, please feel free to contact me.

Very truly yours,

MINERALS ENGINEERING COMPANY

Edson Foster

Edson Foster
Assistant Drill Superintendent

EF/k

1 original
4 copies

Diamond Core Drilling
Mining
Quarries
Shaft Sinking
Tunnel Driving

Boyles Bros.
DRILLING COMPANY

RECEIVED
JAN 30 1956

CONTRACTORS—ENGINEERS
General Offices
1321 South Main Street Phone 84-4401
SALT LAKE CITY 15, UTAH

Reply to: S.L.C.

January 17, 1956

Mr. Dooley P. Wheeler
Umont Mining Company
912 Kearns Building
Salt Lake City, Utah

Dear Sir:

For your consideration, we are submitting drilling prices to apply to your Day Canyon property.

1. Mobilization of men and equipment. $300.00.

2. Drilling. Holes ranging in depth from 100 feet to 350 feet in depth, BX size, coring and non-coring. $2.40 per foot.

Should this meet with your approval, we will issue a formal contract incorporating these prices.

Thank you for calling on us again.

Yours very truly,

R F Durfee

R. F. Durfee
Resident Superintendent

RFD:lm

HARRY JEFFERIES

EXCAVATING CONTRACTOR — MINE ASSESSMENT WORK

Phone

P. O. Box 456, Moab, Utah

RECEIVED
JAN 30 1956

Utmont Mining Co.
c/o Dave Coolbaugh
Moab, Utah

Bid Information:

TD18A -	With angle Dozer -	$ 14.00 per. hr.
125CFM -	Compressor (air) + Man	6.00 " "
	Powder, Caps + Fuse	Cost plus 10%
TD9	With angle Dozer	$ 10.00 per. hr.

Harry Jefferies

APEX EXPLORATION CO.
711 HULMAN BUILDING
EVANSVILLE 8, INDIANA

BRANCH OFFICE
SUITE 1, ARCHES BUILDING
TELEPHONE 4451
MOAB, UTAH

RECEIVED
JAN 30 1988

September 22, 1955

Umont Mining Corporation
% Mr. D. F. Coolbaugh
Box 688
Moab, Utah

Dear Sir:

Apex Exploration Company submits the following bid for the drilling of your Day Canyon claims:

Apex Exploration Company will furnish equipment, labor and all materials, unless otherwise specified.

Drilling will be done as specified by your designated representative as to depth and amount of coring; the price to be as follows:

Number of feet	Depth	Method	
		Air	*Water
5,000	100-300	$2.65 /ft.	$3.00 /ft.

*Operator to furnish bits in chert and quartzite drilling and to furnish drilling mud and lost circulation material when necessary to use water for drilling.

Apex will do the work rapidly and efficiently and its drillers and engineers will immediately report any ore or mineralization found to a designated representative of the operator.

Respectfully yours,
Apex Exploration Company

By: E. J. Mayhew

E. J. Mayhew, Partner

EJM:jj

PIPE
PUMPS

CASING
CORE DRILLNIG

E. E. HUBBARD

PHONE ~~4296~~ 3-2343
MOAB, UTAH

RECEIVED
JAN 30 1956

To: Dave Koolbough

Bid on 5000 ft. of plug drilling in
Day Canyon.
Price per ft. $2.25
Holes to range in depth from 100' to 500'

E. E. Hubbard

RECEIVED

January 28, 1956 JAN 30 1956

Mr. C. O. Mittendorf, Administrator
Defense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

Dear Mr. Mittendorf:

Attached please find an application by Umont Mining Inc., for a defense minerals loan for exploration of their Hope group of claims in Grand County, Utah.

Correspondence concerning this application should be directed to Dooley P. Wheeler, Jr., 912 Kearns Building, Salt Lake City, Utah, with copies to L. P. Evans, Jr., King Street Dock, Burlington, Vermont.

In estimating costs we have allowed for no unusual drilling problems or unfortunate weather conditions and our aim will be to terminate the drilling in connection with this DMEA project in 10 to 14 days from starting of drilling. The enclosed Minerals Engineering bid was used as a basis for calculating drill costs. The revised core drilling cost on the margin of the bid was supplied by Edson Foster verbally when we requested a drill rig capable of wet or dry rotary and high speed core drilling. Other drill bids are enclosed but they were not used because we consider the prices quoted too high.

The project assumes an over-all cost of $10,823.29 for an estimated 3,175 feet of drilling. The estimated cost per foot of drilling is, thus, $3.41.

Umont will make every effort to reduce the cost per foot of drilling consistent with the objective, which is to find ore. If the cost per foot of drilling is such that additional drill holes can be drilled for the above estimated over-all cost, Umont would like to be able to use all the appropriat money for additional exploratory drilling, if mineralization is encountered.

Mr. D. F. Coolbaugh prepared the first draft of this DMEA loan applic tion and the attached is the Coolbaugh application revised by the general manager of Umont Ming Inc. Responsibility for the accuracy of the applicat is hereby assumed by the management of Umont.

Yours very truly,

Dooley P. Wheeler, Jr.

Dooley P. Wheeler, Jr.
General Manager

DPW:lh

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
JAN 30 1956

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. DMEA-4149
Metal or Mineral Uranium
Date Received 1-30-56
Estimated Cost $10,823.29
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address: Umont Mining Inc., King Street Dock, Burlington, Vermont
a Vermont corporation.
Mailing address: Umont Mining Inc., 912 Kearns Building
Salt Lake City 1, Utah, with copies to Burlington

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. see attached sheet

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Hope #3 to #48, inclusive
(See Schedule A attached)

(*b*) State any mine name by which the property is known.

(*c*) State your interest in the land, whether owner, lessee, purchaser under contract, or otherwise
Owner

(*d*) If you are not the owner, submit with this application a copy of the lease, contract, or other document under which you control the property.

(*e*) If you own the land, describe any liens or encumbrances on it
none

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. (See Schedule B attached)

4. *Physical description.*—(*a*) Describe in detail any mining or exploration operations which have been or now are being conducted upon the land, including existing mine workings and production facilities. State your interest, if any, in such operations. Also describe accessibility of mine workings for examination purposes.

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades.

(*c*) Describe the geologic features of the property, including mineralization, type of deposit (vein, bedded, etc.), and your reasons for wishing to explore. Illustrate with maps or sketches. Send with your application (but not necessarily as a part of it) any geologic or engineering report, assay maps, or other technologic information you may have, indicating on each whether you require its return to you.

(*d*) State the facts with respect to the accessibility of the project: Access roads, distances to shipping, supply and residence points.

(*e*) State the availability of manpower, materials, supplies, equipment, water, and power.

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore uranium, vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 30 days and be completed within 3 months from the date of an exploration project contract. weather permitting

(*d*) State the operating experience and background of the applicant with relation to the ability to carry out such exploration project, and also that of the person or persons who will supervise the operations.

6. *Estimate of costs.*—Furnish a detailed estimate of the costs of the proposed work (you will have to use a separate sheet), under the following headings. Add the totals under all headings to give the estimated total cost of the project:

(*a*) *Independent contracts.*—(Note.—If the applicant does not intend to let any of the work to contractors, write "none" after this item. To the extent that the work is to be contracted, do not repeat the cost of the contract-work in subsequent items.) State the cost of any proposed independent contracts for the performance of all or any part of the work, expressed in terms of units of work (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations, per cubic yard of material moved, etc.).

(*b*) *Labor, supervision, consultants.*—Include an itemized schedule of numbers, classes and rates of wages, salaries or fees for necessary labor, supervision and engineering and geological consultants.

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel.

(*d*) *Operating equipment.*—Furnish an itemized list of any operating equipment to be rented, purchased, or which is owned and will be furnished by the Operator, with the estimated rental, purchase price, or suggested use-allowance based on present value, as the case may be.

(*e*) *Rehabilitation and repairs.*—Furnish a detailed list showing the cost of any necessary initial rehabilitation or repairs of existing buildings, installations, fixtures, and movable operating equipment, now owned by the Operator and which will be devoted to the exploration project.

(*f*) *New buildings, improvements, installations.*—Furnish a detailed list showing the cost of any necessary buildings, fixed improvements, or installations to be purchased, installed or constructed for the benefit of the exploration project.

(*g*) *Miscellaneous.*—Furnish a detailed list showing the cost of repairs to and maintenance of operating equipment (not including initial rehabilitation or repairs of the Operator's equipment), analytical work, accounting, workmen's compensation and employers' liability insurance, and payroll taxes.

(*h*) *Contingencies.*—Give an estimate of any necessary allowances for contingencies not included in the costs stated above.

NOTE.—No items of general overhead, corporate management, interest, taxes (other than payroll and sales taxes), or any other indirect costs, or work performed or costs incurred before the date of the contract, should be included in the estimate of costs.

7. (*a*) Are you prepared to furnish your share of the cost of the proposed project in accordance with the regulations on Government participation (Sec. 7, DMEA No. 1)? yes

(*b*) How do you propose to furnish your share of the costs?

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated January 27, 1956

Umont Mining, Inc.
(Applicant)

By [signature] Pres.

[signature] V. Pres & Gen Man

Title 18, U. S. Code (Crimes), Section 1001, makes it a criminal offense to make a willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction.

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

1. (c) Officers of Umont Mining, Inc.:

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JAN 20 1973

President -	L. P. Evans, Jr. King Street Dock Burlington, Vermont
Vice-President- General Manager	Dooley P. Wheeler, Jr. Salt Lake City, Utah
Secretary-Treas.	R. H. Wadhams King Street Dock Burlington, Vermont
Assistant Treas.	A. Reed Reynolds, Jr. Box 685 Moab, Utah

SCHEDULE A

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Group Boundary Description

Beginning at the N.W. Corner of Hope #45 which point is N 65° W - 150 feet thence S 37° 50' W - 600 feet from Sec. Cor. 9-10-15 and 16-T 26S - R 20 E, thence N 30° 30' W 3000 feet, thence N 37° 50' E - [illegible] feet, thence N 30° 30' E - 300 feet, thence N 37° 50' E - 1500 feet, thence N 30° 30' W - 300 feet, thence N 37° 50' E - 1425 feet, thence N 51° 20' E - 3075 feet, thence N 30° 30' W 600 feet, thence N 51° 20' E 1137 feet, thence N 66° 20' E - 363 feet, thence S 30° 30' E - 600 feet, thence N 66° 20' E - 1200 feet, thence S 30° 30' E - 900 feet, thence N 66° 20' E - 813 feet, thence N 59° 20' E 687 feet, thence S 30° 30' E - 1200 feet, thence S 59° 20' W 687 feet, thence S 66° 20' W - 813 feet, thence S 30° 30' E 900 feet, thence S 66° 20' W - 600 feet, thence S 30° 30' E - 1500 feet, thence S 66° 20' W - 963 feet, thence S 51° 20' W - 4212 feet, thence S 37° 50' W - 3525 feet, thence N 30° 30' W - 1500 feet to the place of the beginning.

The above description includes lands within Section 2 and 16, which are School lands and to which the Umont Mining, Inc., makes no claim of title.

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November 9, 1955

Board of Directors
Umont Mining, Inc.
King Street Dock
Burlington, Vermont

Re: Title Report Covering Unpatented Mining Claims Situate in Grand County, State of Utah.

Gentlemen:

Pursuant to your request, the following is a title report covering the hereinafter described unpatented mining claims situate in Grand County, State of Utah, and more particularly described as follows, to wit:

Nope #3 through #38, inclusive.

Matters examined are as follows:

1. The official records of the County of Grand, State of Utah.

2. The plat and tract book records in the Land Office, Bureau of Land Management, Federal Building, Salt Lake City, Utah.

3. A certified survey map of R. J. Scanlen, registered land surveyor, dated May 30, 1954 (copy of which is attached).

In determining the rights of persons in unpatented lode mining claims, the nature of the title acquired presents two separate and distinct problems. First, the record title must be considered in the light of the initiation of possessory title to a claim and subsequent transfers or encumbrances. The act of recording the notices of location, in part, initiates possessory title to a mining claim and this represents the only documentary evidence of title to such a claim, since no patent issues or grant occurs in the beginning. Secondly, the physical act of locating land on the public domain upon land open to mineral entry initiates, in part, a possessory right to a mining claim which carries with it the right to remove ores therefrom. It must be, of course,

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always kept in mind that the title of the United States Government is paramount to that of anyone until such time as patent proceedings have been completed.

If the exact location of a unpatented mining claim can be determined, the availability of that specific land for mineral entry can be ascertained. In this regard, a survey of the subject land is most helpful, since unpatented mining claims are not identified on official records in such a way as to indicate the exact location of the same until after patent therefor has been issued pursuant to application.

Since the exact location of a mining claim cannot be determined from official county records, certain conditions with regard to valid location must be assumed in rendering a title report. Such an assumption is generally based upon personal knowledge, documentary representation (such as survey maps) and representations of persons familiar with the subject claims. For example, without personal knowledge to the contrary, it must be assumed as follows:

1. That there has been timely compliance with requirements of properly posting the notices of location and marking the claims on the ground so that the boundaries thereof can be readily traced.

2. That the mining claims in question are located where shown on survey maps and that no conflicting locations with prior rights exist, which are not shown on such maps.

3. Generally, it must be assumed that assessment or discovery work has been accomplished as required by law. If affidavits of such assessment work are timely recorded, the owners of unpatented mining claims are given the presumption that such work has been accomplished. However, the failure to file such an affidavit of annual assessment does not invalidate the claim, but destroys the presumption that such work has been done and creates a burden on the part of the owner to establish that such has been accomplished.

4. A valid discovery must also be assumed. The Federal and State laws require the discovery of valuable

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mineral in order to establish a valid mining claim. The question of what constitutes a discovery is for practical purposes a question of fact depending to a large extent upon evidence sufficient to cause a reasonable man to expend further time, energy and money in developing the mining claim looking toward the discovery of mineral in place. No mining claim has validity prior to discovery; however, a locator in actual possession of a claim actively and diligently working for discovery is protected if he remains in possession and continues work and thereafter discovery occurs. This principle applies in our opinion only to those claims within a group on which work continues and possession is maintained.

Mining locations made after December 31, 1952, and prior to the Act of August 13, 1954, (68 Stat. 708) on lands covered by minerals leaseable under the Leasing Act of 1920 were not valid locations. However, in providing for multiple use of the public domain, the aforesaid Act established procedures for the validation of certain of those mining claims, and new locations of mining claims made after the effective date of said Act are valid locations under the terms thereof even though on lands covered by prior existing rights under the aforesaid Leasing Act of 1920. The Act of August 13, 1954, in effect acknowledged the procedures established by Atomic Energy Commission Domestic Uranium Program Circular 7 and in part the procedures for validation of certain mining claims were predicated upon compliance with the aforesaid Circular 7.

From our examination of the aforesaid matters affecting title to the subject mining claims, we find as follows:

The mining claims, Hope 1 through 37, inclusive, were originally located on December 22, 24, 26 and 28, 1953, in the names of Jim Jackson, Kenneth Allred, Marlowe Smith and John Levering, and recorded in the Office of the Grand County Recorder, State of Utah, on the 29th day of December, 1953, in Book 16, Pages 293 to 328, inclusive. From examination of the records of the Land Office as above indicated, it was determined that the original locations of the Hope claims were made on lands subject to prior existing rights under the Mineral Leasing Act of 1920, and were, therefore, at the time of such location invalid.

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On February 10, 1954, the Atomic Energy Commission published its Circular 7, which was an attempt to remedy difficulties created as a result of a conflict of mining locations with prior rights existing under the aforesaid Mineral Leasing Act and with the similar disability referred to above in connection with the Hope claims 1 to 37, inclusive. Thereafter on the 17th day of March, 1954, the original locators made application with the A.E.C. pursuant to the provisions of Circular 7 covering the Hope claims 1 to 28, inclusive, and the notices of intention to lease were recorded on March 25, 1954, in Book 22, Pages 246 to 259, inclusive. Also on March 16, 1954, application for mining lease was made to the Atomic Energy Commission covering the Hope claims 29 to 37, inclusive, and the notices of intention to lease were recorded on April 12, 1954, in Book 23, Pages 405 to 409, inclusive. Subsequently, three sets of amended notices of lease application were posted and recorded for Hope mining claims (or lease tracts) 3 to 48, inclusive. The surveyor, Mr. W. O. Claxton, informs this office that the amendments were made pursuant to a survey of the original locations, Hope 1 to 37, inclusive. The three sets of amended notices of lease application were located and recorded as follows:

	Posted	Recorded
Hope 1 to 48, inclusive, Amended Lease Application	May 17, 1954	May 17, 1954 Book 26 Pages 586-600, incl., and Book 27, Pages 1 to 10, incl.
Hope 3 to 48, inclusive, Amended Notices of Lease Application	June 15,1954	July 31,1954 Book 32, Pages 234 to 256,incl.
Hope 3 to 48, inclusive, Amended Notices of Lease Application	Aug.9, 1954	August 11,1954 Book 33, Pages 588 to 600,incl., and Book 34,Pages 1 to 10, incl.

After the effective date of the Act of August 13, 1954 (68 Stat. 708) and on the 26th day of October, 1954, amended location notices for Hope 3 to 48, inclusive, were posted on the subject claims, and on November 5, 1954, copies of the same were recorded in the Office of the Grand County Recorder in Book 49 at Pages 520 to

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543, inclusive, and on the 5th day of November, 1954, a withdrawal of the aforesaid lease application was made for Hopes 1 to 48, and was recorded in the Office of the Grand County Recorder at Book 49, Page 544; said amended notices of location and withdrawal of lease application were made pursuant to the provisions of the aforesaid Act of August 13, 1954, and for the purpose of validating the original Hope claims, 1 to 37, as amended by the survey resulting in the Hope claims, 3 to 48, inclusive.

On December 2, 1954, at Book 52, Pages 410 to 416, inclusive, appear an assignment of the rights of the original locators in and to the lease application made to the Atomic Energy Commission to Umont Mining, Inc., and a quit claim deed wherein the original locators and their wives quit claimed the subject mining claims to Umont Mining, Inc.; both assignment and quit claim deed were dated the 5th day of August, 1954. Also appearing of record is a subsequent quit claim deed by the original locators and their wives quit claiming unto Umont Mining, Inc., the subject claims, said deed having been dated the 16th day of November, 1954, and recorded the 2nd day of December, 1954, in the Office of the Grand County Recorder in Book 52, Pages 415 and 416.

From our examination of the foregoing matters, we find record possessory title to the aforesaid unpatented mining claims to be vested in Umont Mining, Inc., a Vermont Corporation, subject to the paramount title of the United States of America, which title carries with it the right to remove ores from said claims, subject, however, to the following matters, to wit:

1. Reference is hereby made to the attached copy of the certified survey of R. J. Seanlon. The subject map reflects the existence of certain conflicting mining claims. With reference to the mining claims known as Ruby E - 9 - 1 through E - 9 - 28, it appears that the same were originally located on the 18th day of January, 1954, and recorded in the Office of the Grand County Recorder on the 30th day of January, 1954, in the names of Glenn M. and James M. Ruby, which location was subsequent to the original location of the Hope claims 1 to 37, inclusive. Your attention is directed to the date of the Surveyor's map, which is May 30, 1954. The surveyor, Mr. W. O. Claxton, reports that

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he was on the subject land prior to May 30, 1954, and on frequent occasions up to said date and that the Ruby claims had not been completely monumented and described on the ground so that the same could be surveyed and platted on his map and that consequently only the general area of the Ruby claims is indicated on the map. Other persons purporting to be familiar with the general area in question have informed this office that the Ruby claims were not monumented and identified on the ground until many months after the original recording of the Ruby claims.

The Hope claims, having been located prior to the Ruby claims, would take precedence over the latter, assuming that the other elements of a valid claim obtained at the time of the location of the Ruby claims. However, the Hope claims as originally staked and numbered 1 to 37, inclusive, were apparently (insofar as a portion of the same are concerned) in excess of the allowable dimension, and when surveyed, the original 37 claims constituted 48 in number of claims with the appropriate dimension. It is, therefore, possible that some portion of the Ruby claims were located on the excessive portions of the original Hope claims, which Ruby claims would to that extent be valid, if the same were otherwise properly located. The area of conflict with the Ruby claims is in Section 9, T 26 S, R 20 E, SLM, Grand County, Utah, and as shown on the map affects the Hope claims 27, 28, 29, 41, 42, 46, 47 and 48. As you are aware, an attempt is currently being made to reconcile the conflict discussed herein with the appropriate parties in interest.

2. The Wow claims shown on the Surveyor's map attached hereto were originally located in the name of Tom Walker for George D. Fehr, which original location was in the form of a notice of lease application, dated June 15, 16 and 17, 1954, and recorded in the Office of the Grand County Recorder on June 21, 1954. These claims having been first located subsequent to the location of the Hope Claims are invalid insofar as the same conflict with the Hope claims, assuming that all other elements of a valid claim obtained at the time of the location of the Wow claims. However, as you are aware, an attempt is being made to reconcile the conflict with the Wow claims.

3. Your attention is directed to the mining claims, Ola and Bobbie Dick, which claims were originally located

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by Robert E. and Richard N. Kohler on the 21st day of November, 1953. These claims had prior location dates to that of the Hope claims, and to the extent that the same conflict with the Hope claims, the latter are invalid. The surveyor, W. O. Claxton, reports that the discovery monuments for the Hope claims, which are in conflict with the Ola and Bobbie Dick claims, are resting on land not so in conflict.

4. Your attention is directed to the mining claims, Arlene #32 and #34, which claims were originally staked in the name of Nick Mullick and later transferred to Onyx Corporation and were originally located many months prior to the location of the Hope claims. Therefore, the conflict with the Arlene claims shown on the map attached hereto results in an invalidation of the Hope claims to the extent of the conflict. The surveyor, W. O. Claxton, reports that the discovery monuments for the mining claims, Hope #43, #44 and #45, are resting on land not in conflict with the Arlene claims, which would make that portion of the subject Hope claims valid.

5. Your attention is directed to the fact that Hope claims, #45 and #46, have been partially located on State School land, which is not subject to the location of mining claims, and to the extent that the same lie on School land, they are not valid. The surveyor reports that the discovery monuments for Hope #45 and #46 are resting on public domain, consequently, the same should be valid.

6. Your attention is directed to the fact that portions of the Hope claims #3, #4 and #6 are located on State School land, which is not subject to the location of mining claims, and to that extent, the same are not valid. Here again, the surveyor reports that the discovery monuments for each of the subject claims are resting on public domain and are, therefore, valid.

Yours truly,

REYNOLDS & GIBSON

by A. Reed Reynolds
A. Reed Reynolds

ARR/gc
Enclosure

SCHEDULE B

Recording Information
Original Notices of Location,
Notice of Lease Application and Amended Notices

Name	Recorded	Book	Page
Hope #1 to 37, inclusive Original Notices of Location	December 29, 1953	18	293-329, incl.
Hope #1 to #28, incl., Notice of Lease Application	March 25, 1954	22	248-259, incl.
Hope #29 to #37, inclusive. Notice of Lease Application	April 12, 1954	23	405-409, incl.
Hope #1 to #48, inclusive. Amended Notice of Lease Application	May 17, 1954	26 & 27	586-600, incl. 1-10, incl.
Hope #3 to #48, inclusive. Amended Notice of Lease Application	July 31, 1954	32 & 32	34 & 234-256, incl.
Hope #3 to #48, inclusive. Amended Notice of Lease Application	August 11, 1954	33 & 34	588-600, incl., & 1-10, incl.
Hope #3 to #48, inclusive. Amended Notices of Location	November 5, 1954	49	520-543, incl.

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JAN 30 1956

UNITED STATES DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

Re: application for aid in an exploration project, pursuant to DMEA Order 1, under the Defense Production Act of 1950, as amended

4. Physical description (a) Road work and trenching has been done on the Hope claims by Umont Mining Inc. The approximate location of the roads and trenching is shown on the enclosed topographic map (Figure #1) and claim map (Figure 2). The trenching was done in a sandstone member near the middle of the Chinle formation at a location which exhibited high surface radiation. No other physical exploration has been done on these claims.

(b) There has been no past production of any minerals from the Hope Claims.

There is no current production of any minerals from the Hope Claims.

Although uranium mineralization is known to occur on the Hope Claims there has not been sufficient exploration to block out ore reserves.

(c) The Hope group of approximately 45 mining claims is situated in and adjacent to Day Canyon and the east fork of Dry Fork in Township 26 South, Range 20 East, Sections 3, 9, 10, 11 and 15 SLBM, Grand County, Utah. (See Figures 1 and 2).

The claims can be reached by road. The MGM Petroleum Company maintains a gravel all-weather road, which turns south from U. S. Highway 160 one mile north of the Moab bridge across the Colorado

River. This road is followed for 12.1 miles along the Colorado River to where a jeep road branches to the northwest into Bull-Day Canyon.

This road is followed for 2.2 miles before the northeastern edge of the Hope Group of claims is reached. A road has been bulldozed approximately 2500 feet farther into the canyon.

Surface elevations range from 4400 feet to 5800 feet in the claim area. The canyon is quite restricted by steep slopes, but the area to be drilled has a gentle gradient and sufficient width and soil for inexpensive drill road excavation by bulldozer.

GEOLOGY: 4 (a)

Long Canyon: The geologic section was observed in Long Canyon near the Hill Mine which is approximately 7000 feet south of the claims in Day Canyon. All thicknesses, except that of the Chinle, are approximate. The Chinle thickness was measured.

Wingate	350 feet		
Chinle	375 feet	Red shaly sandstones and red shale ———	upper 1/3
		Gray sandstone and shale, pebble conglomerate, local cross bedded shale-sandstone unit —	middle 1/3
		Gray shale with very minor sandstone —	lower 1/3
Moenkopi	170 feet or more exposed		

The mineralization in the Hill Mine appears to be limited to the middle sandstone beds. Present workings are very limited, and large reserves are not evident.

Dry Canyon: The geologic section was observed in Dry Canyon at a point approximately 1000 feet northwest of the claims in Day Canyon. All thicknesses except those of the Chinle are approximate. The units of the Chinle were measured.

Wingate	350 feet		
Chinle	360 feet.	Red shales and siltstone at top —	50 ft.
		Gray, buff, reddish sandstone, local cross-bedded shale and shale pebble conglomerate, local carbon and petrified logs —	110 ft.
		Red, green and gray shales and sandstones, base of Chinle locally thinly sandy —	200 ft.

Moenkopi At least 30 feet observed

Day Canyon: The Wingate and Chinle formations are exposed in the walls of Day Canyon. No Shinarump or Moenkopi is exposed and it is believed that little or no Shinarump will be encountered in drilling. Potentially productive basal sandstones in the Chinle might exist 75 to 325 feet below the surface in Day Canyon.

There is said to be a thickening of the Chinle formation to the southwest which is toward the axis of the Cane Creek Anticline. The axis of the Anticline lies between one and two miles to the southwest of the Hope Claims.

The geologic section observed in Day Canyon is recorded below. The thickness of the Wingate is estimated, but the Chinle exposed thickness and units were measured.

Wingate	350 feet	
Chinle	313 feet	Red sandstones and shales at top — 90 ft.
		Buff sandstone - - - - - - - - - - — 40 ft.
		Cross-bedded green and red shale and siltstones - - - - - - - - - - — 50 ft.
		Buff to gray sandstone, commonly has basal intraformational conglomerate bed 2 to 4 ft. thick with shale pebbles. Local carbonaceous trash - 23 ft.
		Gray-green-red platy shale and siltstone - - - - - - - - - - - -110 ft.
		Bottom not exposed —

The results of the drilling done by Moab Associated Ltd. in section 2 of Day Canyon are not known. The nearest drill hole was put down about ¼ mile east of the east edge of the Hope claim group. Drill cores were not taken. Cuttings indicate no appreciable thicknesses of basal sandstone or conglomerate, and if mineralization was encountered there is no sign of it left at the drill sites.

Radioactivity was noted at numerous localities in the Hope claims in Day Canyon in the buff to gray sandstone just above the gray-green-red

platy shale and siltstone. This radioactivity, although not intense, appears rather wide spread. The approximate location of the anomalous areas are shown in red on Figure #1. The mineral giving rise to the radioactivity in the tight medium grained sandstone has not been identified. Mineralized samples taken before the trenching was done gave a maximum radiometric assay of .08 U_3O_8. Samples taken from the trench at different locations assayed 0.082, 0.075 and 0.196 percent U_3O_8.

Carbon trash was noted in numerous of the Chinle sandstone members, but it is most common in the lowest sandstone member exposed in Day Canyon, just above the platy gray-green-red shale.

PROXIMITY TO KNOWN DEPOSITS:

The Hope claims lie approximately 13 miles east of ore deposits in Mineral Canyon, 6 miles northwest of Climax Uranium's school section 32 deposit which is located on the northeast flank of the Cane Creek Anticline, and 1.5 miles northwest of the Hill Mine or prospect in Long Canyon.

Deep drilling for uranium, by Uranium Engineering Company in the vicinity of Ruby #1 oil well 5 or 6 miles west of the Hope group of claims found small spotty concentrations of uranium mineralization in a sandstone-conglomerate channel whose trend is, as nearby as could be determined, approximately east-west. East-west trending channels in the Ruby oil well area would not outcrop anywhere east of the Green River and the Hope claim area gives the shallowest drill depths possible for checking the potential channels east of the Ruby oil well area.

All the deposits listed above are in Chinle sandstones. The best deposit, in Climax Uranium's school section 32, is evidently a basal Moenkopi sandstone of the Chinle.

Mineralized zones have been found in the middle of the Chinle, and trenching has located more extensive mineralization than was found in the outcrops. There is drill evidence to the west that a mineralized channel could exist at the base of the Chinle in the Hope claim group. It is felt, therefore, that the claims warrant exploration of the base of the Chinle.

(d) The difficult and expensive road building is already completed thereby greatly decreasing the cost of further exploration. The claims can be reached by road as explained in 4 (c) above. Drill site roads will, however, have to be built for some of the contemplated drilling. The access road to the claims is subject to washouts and will have to be maintained.

The claims lie only 17 road miles from Moab, Utah, and only 14 miles from the new uranium mill being built north of Moab, Utah.

Supply and residence facilities are located in Moab, Utah.

(e) No electric power is available at the claims. Water is available from the Colorado River, which is two miles from the claims. Water is also available from springs closer than two miles. These springs run most of the year.

There is no shortage of manpower, drilling contractors or drilling supplies in the Moab area.

5 (a) Uranium, vanadium

(b) Enclosed Figure 2 shows the location of the proposed drill holes. Other than the road work necessary to carry out the drilling program and the actual drilling, no other exploration work is to be undertaken.

Since this exploration project must develop as the results of the drilling become known, an estimated five holes of average depth are

included to be used as offset holes if warranted by the drill holes as plotted.

The drill target will be essentially horizontal potential sandstone or conglomerate lenses or channels at the base of the Chinle formation. Such lenses or channels, if present, could have uranium-vanadium ore deposits in them.

Coring will be carried out only after logging information indicates mineralization in the vicinity.

(c) 30 days 3 months, weather permitting.

(d) Umont Mining Inc. has as its General Manager, Mr. Dooley P. Wheeler, Jr., of Salt Lake City, Utah. Mr. Wheeler is a capable geologist having had approximately fifteen years of experience in exploration work as an employee of the U. S. G. S., The American Metal Company, Limited, Cerro de Pasco Corporation, Eagle-Picher Company, and as an independent consultant in Mexico and the United States. Mr. Wheeler will supervise the work contemplated.

6 (a) Independent Contractors

Drilling -- Eleven holes plus one. Followed by five holes if first eleven holes give encouragement.

Breakdown of drill costs:

11 holes to depth of 100 feet or more -	1100 x $1.50 -		$1650.00
4 holes to depth of 200 feet or more -	400 x 1.75 -		700.00
1 hole to depth of 175 feet -	75 x 1.75 -		131.25
3 holes to depth of 150 feet or more -	150 x 1.75 -		262.50
3 holes going plus 200 or plus 300 feet	250 x 2.00 -		500.00
1 extra hole 200 feet deep as contingency factor - - - - - - - -	200 x 1.75 -		350.00
Mobilization - - - - - - - - - - - - - -			500.00
Total for 11 holes	2175		$4093.75

5 holes averaging 200 feet deep for offset exploratory drilling in case a good mineralized target is found in drilling the above holes

5 x 150 feet of rotary drilling - - -		$1187.50
5 x 50 feet of core drilling @ $3.00 per foot		750.00
Total for 5 extra holes - - -		$1937.50
Total Drill Contract Cost		$6031.25

Road Building

Bulldozer rental for 50 hours at $14.00 per hour	$ 700.00	
Bulldozer mobilization contingency - - - -	100.00	
	$ 800.00	
Total Road Building		$ 800.00

(b) Labor, Supervision, Consultants

Engineer and helper 2 days at $100 per day incl. expenses	$ 200.00	
Consulting geologist for 14 days at $75 per day incl. "	1050.00	
Umont Management for 14 days at $75 per day " "	1050.00	
Draftsmen at $2.40 per hour (25 hours) - - -	60.00	
	$2360.00	
		$2360.00

(c) Operating Materials and Supplies

100 sample sacks (7" x 14") - - - - - - - - -	15.60	
50 core boxes at $1.25 each - - - - - - - - -	62.50	
	$ 78.10	
		$ 78.10

(d) Operating Equipment

Hertz rental jeep for two weeks - - - - - - - -	$ 220.00	
Rental of logging device (Geiger) - - - - - - - -	150.00	
	$ 370.00	
		$ 370.00

(e) Rehabilitation and repairs - - - - - - - - None

(f) New buildings, improvements, installation - - - - None

(g) Miscellaneous

Assay of an estimated 40 samples at $5.00 each - - -	$ 200.00	
		$ 200.00

(h) Contingencies

10% of $9839.35		$ 983.94
Total Cost		$10823.29

copy

MINERALS ENGINEERING COMPANY

P. O. Box 1951

Grand Junction, Colorado

December 8, 1955

Mr. Dooley P. Wheeler, Jr.
Kearn's Building
Salt Lake City, Utah

Dear Mr. Wheeler:

In reply to your inquiries to Sherman Asplund regarding a bid for drilling your ground located approximately 12 miles down the Colorado River from Moab, Utah, please accept the following quotations as our estimate for a 2,000-foot minimum contract:

Depth	Price per Foot Wagon Drilling	Rotary Drilling	Core Drilling	Revised Core Drilling
0-100 feet	$ .75	$ 1.50	$2.00	$ 2.75
100-200 feet	1.35	1.75	2.25	3.00
200-300 feet	1.75	2.00	2.50	3.25

In addition to the above prices, we would want $500 for move-in charge. If drilling exceeds 5,000 feet, the move-in charge would be rebated. Stand-by time is bid at the rate of $12 an hour.

It is our understanding you would have all access and drill roads suitable for 2-wheel drive equipment.

If there are any further questions, please feel free to contact me.

Very truly yours,

MINERALS ENGINEERING COMPANY

Edson Foster /s/
Assistant Drill Superintendent

EF/k

Diamond Core Drilling
Mining
Quarries
Shaft Sinking
Tunnel Driving

BOYLES BROS.
Drilling Company

Contractors-Engineers
General Offices
1321 South Main Street Phone 84-4401
Salt Lake City 15, Utah

RECEIVED
JAN 30 1956

Reply to:
S.L.C.

January 17, 1956

Mr. Dooley P. Wheeler
Umont Mining Company
912 Kearns Building
Salt Lake City, Utah

Dear Sir:

For your consideration, we are submitting drilling prices to apply to your Day Canyon property.

1. Mobilization of men and equipment $300.00.

2. Drilling. Holes ranging in depth from 100 feet to 350 feet in depth, BX size, coring and non-coring. $2.40 per foot.

Should this meet with your approval, we will issue a formal contract incorporating these prices.

Thank you for calling on us again.

Yours very truly,

R. F. Durfee /s/
Resident Superintendent

RFD:lm

HARRY JEFFERIES
EXCAVATING CONTRACTOR — MINE ASSESSMENT WORK
Phone
P. O. Box 456, Moab, Utah

RECEIVED
JAN 30 1956

Umont Mining Co.
G. Dave Coolbaugh
Moab, Utah.

Bid Information

TD18A With Angle dozer - - - - - - $14.00 Per Hr.
125 CFM Air Compressor & man. - - - $6.00 " "
Powder Caps & fuse - - - - - - Cost plus 10%
TD9 With Angle dozer - - - - - - - $10.00 Per Hr.

Harry Jefferies

RECEIVED
JAN 30 1956

September 22, 1955

Umont Mining Corporation
% Mr. D. F. Coolbaugh
Box 608
Moab, Utah

Dear Sir:

Apex Exploration Company submits the following bid for the drilling of your Day Canyon claims:

Apex Exploration Company will furnish equipment, labor and all materials, unless otherwise specified.

Drilling will be done as specified by your designated representative as to depth and amount of coring; the price to be as follows:

Number of feet	Depth	Method	
		Air	*Water
5,000	100-300	$2.65 /ft.	$3.00 /ft.

*Operator to furnish bits in chert and quartzite drilling and to furnish drilling mud and lost circulation material when necessary to use water for drilling.

Apex will do the work rapidly and efficiently and its drillers and engineers will immediately report any ore or mineralization found to a designated representative of the operator.

Respectfully yours,
Apex Exploration Company

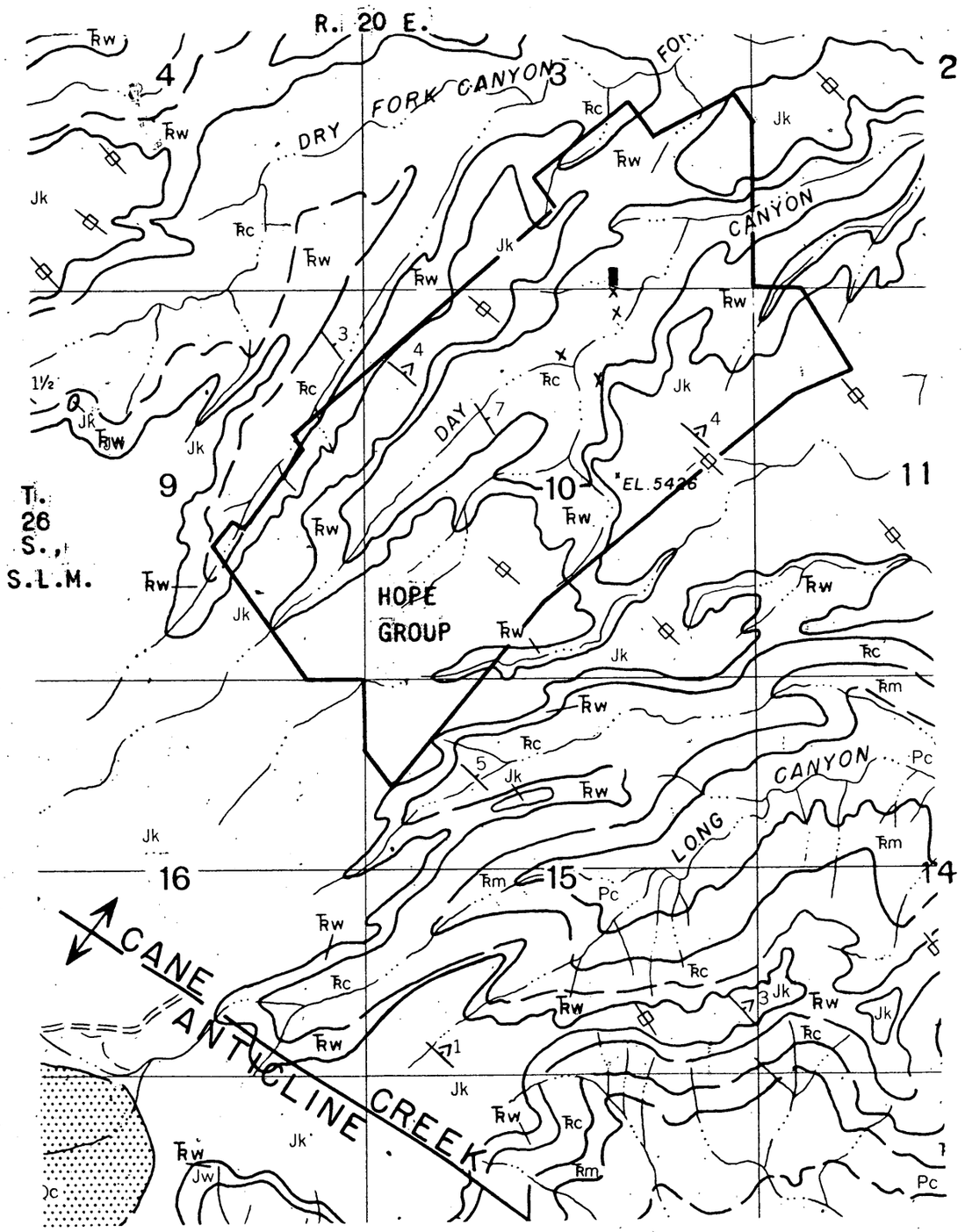
By: E. J. Mayhew

E. J. Mayhew, Partner

EJM:jj

UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEFENSE MINERALS EXPLORATION ADMINISTRATION
JUNE 1956 DOCKET #149



EXPLANATION

Jk	JURASSIC KAYENTA FORMATION
Ꞧw	TRIASSIC WINGATE SANDSTONE
Ꞧc	TRIASSIC CHINLE FORMATION
Ꞧm	TRIASSIC MOENKOPI FORMATION
Pc	PERMIAN CUTLER FORMATION
	GEOLOGIC CONTACT
7	STRIKE AND DIP OF BEDS
x	MINERALIZED OUTCROPS
	BULLDOZER TRENCH
	STRIKE OF APPROXIMATELY VERTICAL JOINTS

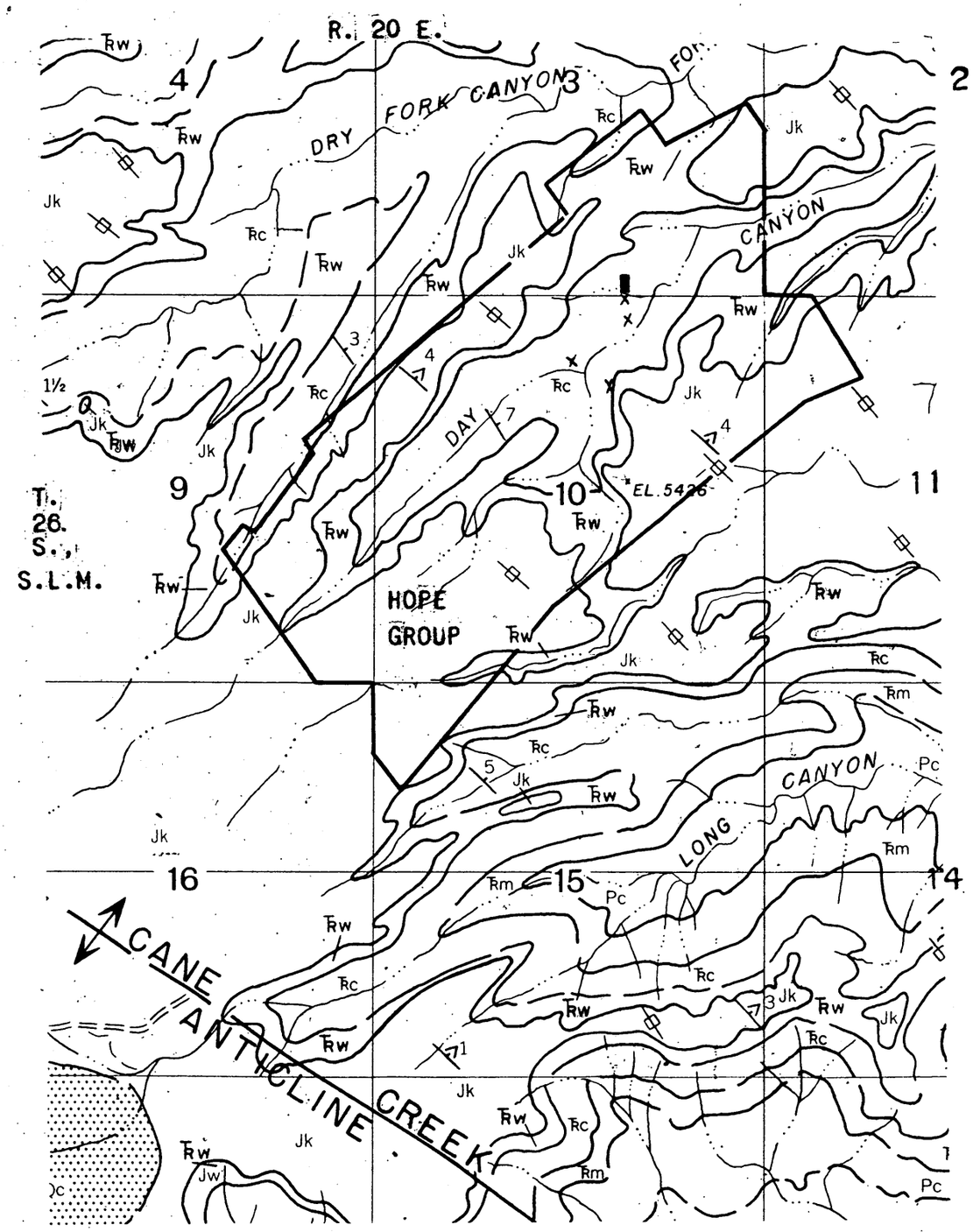
N

Note: BASE MODIFIED FROM U.S. GEOLOGICAL SURVEY PHOTOGEOLOGIC MAP, MOAB 15. PROPERTY BOUNDARY FROM APPLICANTS MAP.

2000 0 8000 FEET

FIGURE 2. GEOLOGIC MAP OF THE HOPE GROUP OF CLAIMS, UMONT MINING INC., GRAND COUNTY, UTAH.

RECEIVED
JUL 27 1956



EXPLANATION

Jk	JURASSIC KAYENTA FORMATION
Trw	TRIASSIC WINGATE SANDSTONE
Trc	TRIASSIC CHINLE FORMATION
Trm	TRIASSIC MOENKOPI FORMATION
Pc	PERMIAN CUTLER FORMATION
	GEOLOGIC CONTACT
7	STRIKE AND DIP OF BEDS
x	MINERALIZED OUTCROPS
	BULLDOZER TRENCH
	STRIKE OF APPROXIMATELY VERTICAL JOINTS

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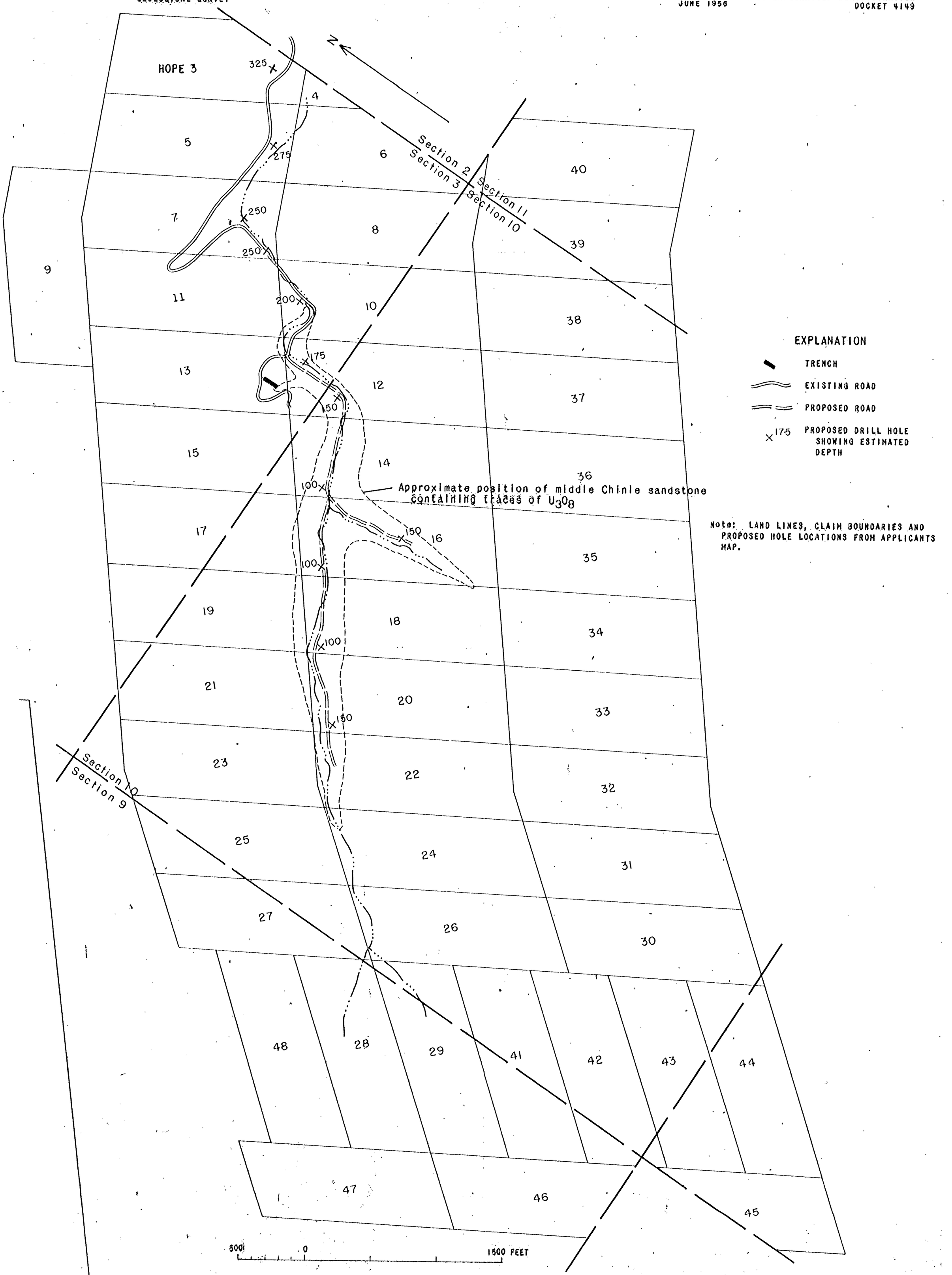
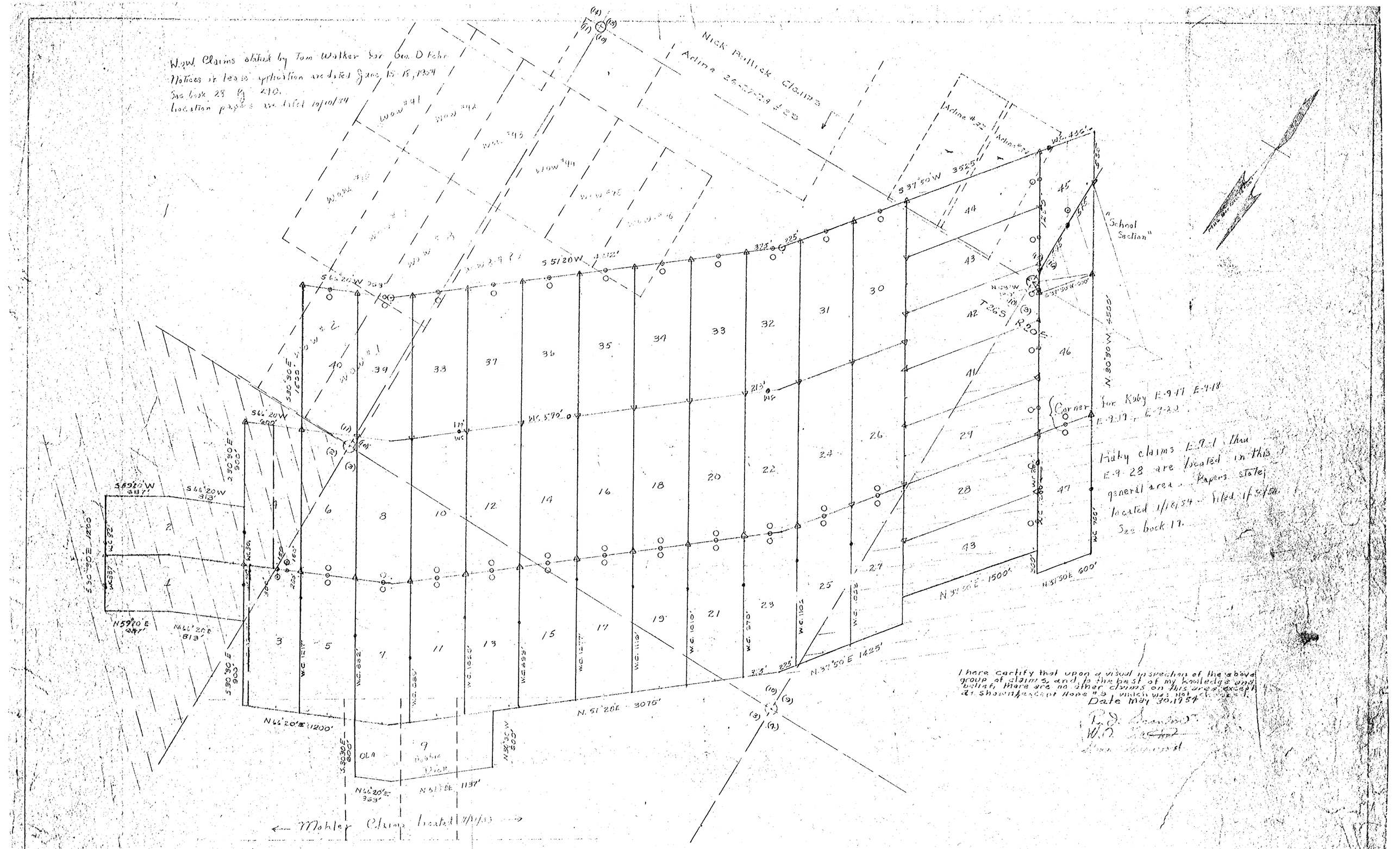


Figure 3. SKETCH MAP OF HOPE GROUP OF CLAIMS SHOWING LOCATION OF PROPOSED ROAD AND DRILL HOLES, UMONT MINING INC., GRAND COUNTY, UTAH.



I here certify that upon a visual inspection of the above group of claims, and to the best of my knowledge and belief, there are no other claims on this area except as shown except Hope #9 which was not checked.

Date May 30, 1954

R.J. Scanlon

W.O. Carter

GROUP BOUNDRY DESCRIPTION

Beginning at the NW. Cor. of Hope #45 which point is N 65° W - 130 feet thence S 37°50'W - 600 feet from Sec. Cor. 9-10-15 & 16 - T 26 S - R 20 E thence N 30°30'W 3000 feet, thence N 37°50'E - 600 feet, thence S 30°30'E - 300 feet, thence N 37°50'E - 1500 feet, thence N 30°30'W - 300 feet, thence N 37°50'E - 1425 feet, thence N 51°20'E - 3075 feet, thence N 30°30'W 600 feet, thence N 51°20'E 1137 feet, thence N 66°20'E - 963 feet, thence S 30°30'E - 600 feet, thence N 66°20'E - 1200 feet, thence S 30°30'E - 900 feet, thence N 66°20'E - 813 feet, thence N 59°20'E 687 feet, thence S 30°30'E - 1200 feet thence S 59°20'W 687 feet, thence S 66°20'W - 813 feet, thence S 30°30'E - 900 feet, thence S 66°20'W - 600 feet, thence S 30°30'E - 1500 feet, thence S 66°20'W - 963 feet, thence S 51°20'W - 4212 feet thence S 37°50'W - 3525 feet, thence N 30°30'W - 1500 feet to the place of the beginning.

ENGINEERS CERTIFICATE

I, R.J. SCANLON, HEREBY CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER AND LAND SURVEYOR AND THIS PLAT WAS PREPARED FROM ACTUAL FEILD NOTES OF A SURVEY MADE UNDER MY SUPERVISION AND IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

R.J. Scanlon

I hereby certify that all witness corners shown on this plat was set because to set the actual corners would endanger life and limb.

R.J. Scanlon

W.O. Carter

SURVEY
OF THE HOPE MINING CLAIMS
(1 thru 48)

For: Marlow Smith
Kenneth Alred
Jim Jackson
John Levering

LEGEND

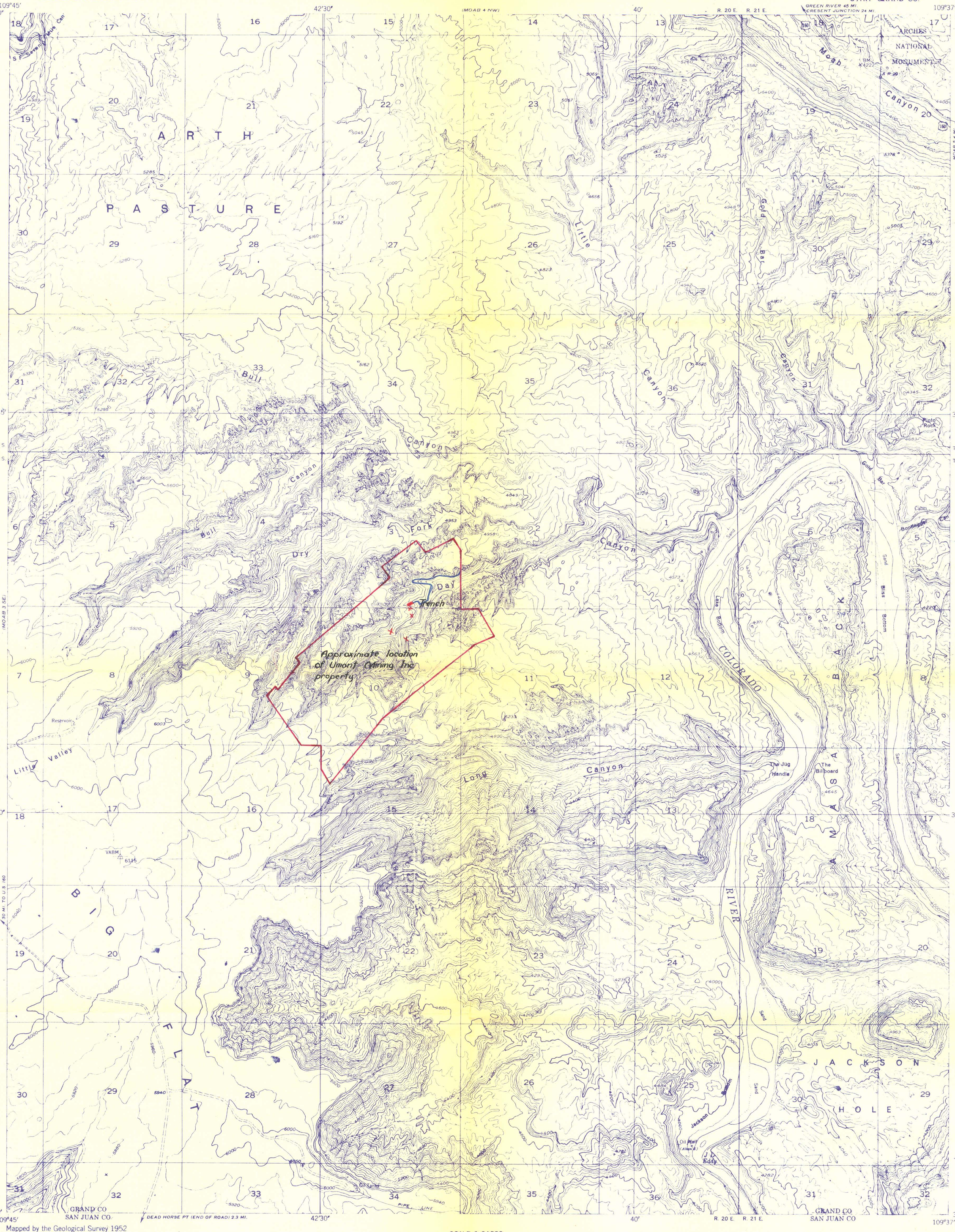
△ CLAIM CORNERS

● WITNESS CORNER

SECTION CORNER

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

MOAB 4 SW QUADRANGLE
UTAH–GRAND CO.



Mapped by the Geological Survey 1952

Topography by multiplex methods from aerial photographs taken 1951

Data subject to minor corrections when incorporated in a standard series map

TRUE NORTH
MAGNETIC NORTH
15½°
APPROXIMATE MEAN DECLINATION, 1952

SCALE 1:24000

1 ½ 0 1 MILE

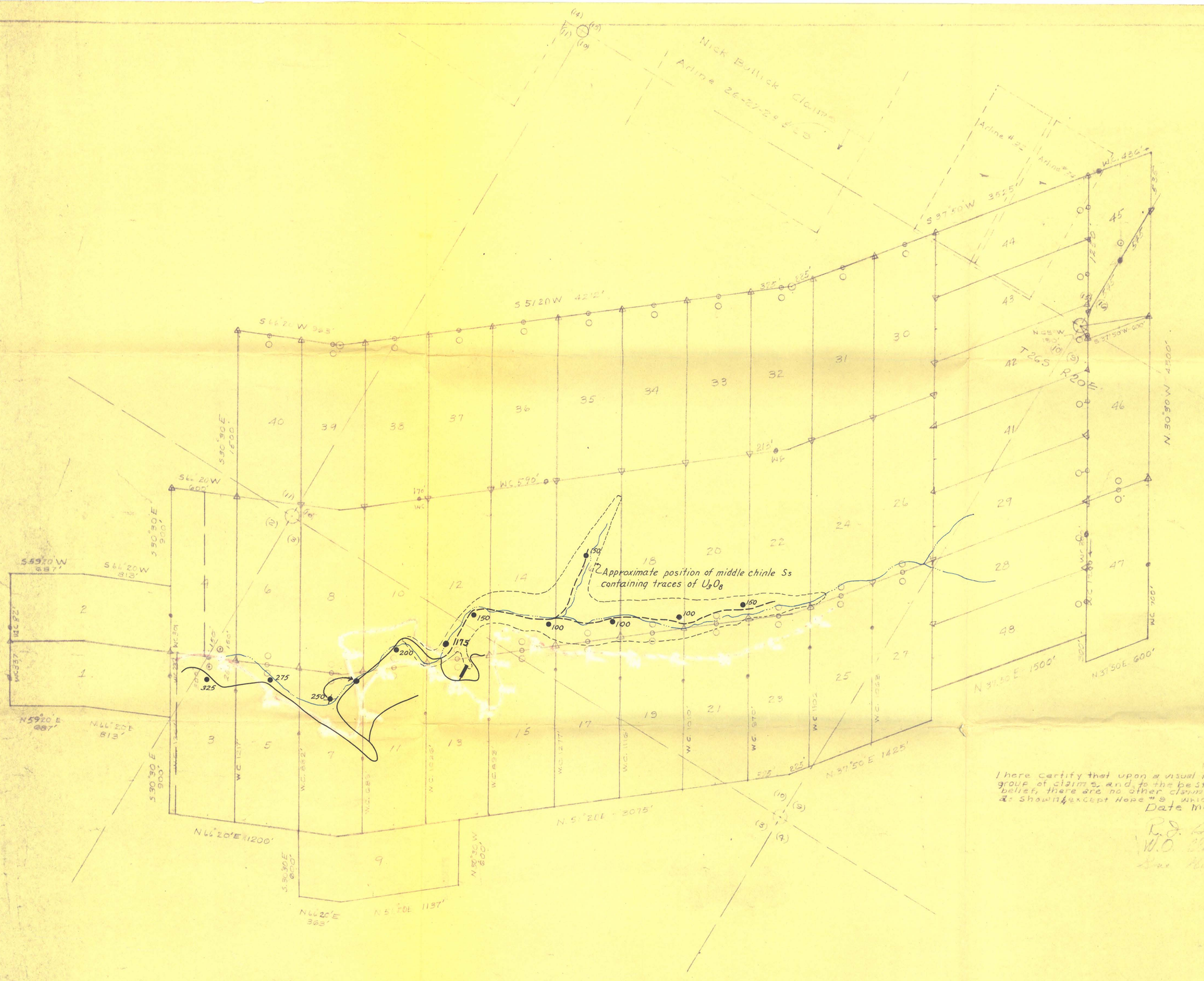
1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

CONTOUR INTERVAL 40 FEET
DATUM IS MEAN SEA LEVEL

ROAD CLASSIFICATION

Improved ——— Unimproved - - - - -

MOAB 4 SW, UTAH
N3830-W10937.5/7.5
U 246 SW



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Date May 30, 1954

R. J. Scanlon

W. D. Platter

Geo. Hayward

Group Boundary Description

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Engineers Certificate

I, R. J. Scanlon, hereby certify that I am a registered professional engineer and land surveyor, and this plat was prepared from actual feild notes of a survey made under my supervision and is true and correct to the best of my knowledge and belief.

R. J. Scanlon

I hereby certify that all witness corners shown on this plat was set because to set the actual corners would endanger life and limb.

R. J. Scanlon

W. D. Platter

A SURVEY
OF THE HOPE MINING CLAIMS
(1 thru 48)

For: Marlow Smith
Kenneth Aired
Jim Jackson
John Levering

Legend

- Claim corners
- Witness corner
- Section corner
- Existing road
- Proposed road
- Proposed drill hole showing estimated depth
- Trench
- Dry Gulch in Canyon bottom