IMEA Form 9

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE

IMEA NO. 4111

Application (Denied
(Withdrawn
(After disposition, delete items not applicable)

Contract (Terminated - not Certified
(Cancelled
(Terminated - Certified
(Royalty Agreement

This is the official contract file containing all official records of the project. The records contained in the files are checked and are arranged in this order:

Left Side

Interim Royalty Audits
Reports of Royalty Review
Certification of Discovery
Certificate of Audit (Final)
Interim Audit(s)
✓ Report of Review
✓ Termination Notice or Agreement
Recision Notice
Assignment of Contract
✓ Contract Amendments (latest on top)
✓ Contract with all exhibits and annexes
✓ Owner's Consent to Lien
Subordination Agreement
✓ Leases and assignments of leases
✓ Application and attachments
(3) Envelope for maps

Right Side

X Project summary
✓ Work completed analysis
All other material is filed in chronological order with correspondence including the following reports as checked:

✓ Final Field Team Report (Tab)
✓ Operator's Final Report
(2R) ✓ Interim Reports
(2R) ✓ Operator's monthly reports and all attachments (latest on top)
✓ On-site Exam Report(s) (Tab)
(4) Settlement Sheets

When the volume of records is expected to warrant additional folders, or when convenience of reference warrants separate folders for certain records, they should be set up in this order:

Left Side

Folder No. 2: (In chron. order) Interim Summary Reports by W. O. Engineers

Right Side

✓ Operator's Semi-Annual Report for Certified Project, Field Team Interim Reports, Operator's Monthly Report with transmittal, narrative, maps, and Field Team review.

Folder No. 3: Maps (Use pocket folder or envelope. Fold maps with title block out and show reference to related document or correspondence.)

Folder No. 4: Settlement Sheets

Folder No. 5: Drill Logs

9775

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

Klug
Betty

REPORT OF REVIEW

I have reviewed the Monthly Report of:

Parker Mining and Development Company

R. F. D., Pearcism Springs, Virginia

pertaining to Exploration Project Contract No. Idm-E966, Docket No. DMEA-4111, including Amendment No. 1, for the month of September 1956, covering a project for the exploration of copper on property, known as the Dolly Hyde Mine located in Frederick County, Maryland.

My review included an examination of the Monthly Report (Form MF-104) and supporting documents attached thereto, comparison of the costs claimed with the contract and pertinent schedules, verification of work performed by reference to Field Team reports, and a determination of the reasonableness and propriety of the costs.

This review was made in lieu of a final audit of the Operator's accounts and records for the following reasons:

(a) the Monthly Report was supported by documentary proof of the costs incurred under the contract;
(b) all of the costs claimed covered work performed at unit rates under independent contract; and
(c) the administrative cost to the Government of an audit would be excessive in relation to value of the contract or the estimated amount of possible disallowances thereunder.

The review disclosed the following facts in regard to the amount paid or to be paid the contractor:

Total cost as billed by Contractor		$3,314.50
Exceptions:		
By DMEA Finance Officer	$ -0-	
Herewith	-0-	-0-
Total Accepted Cost		$3,314.50

The contract calls for a 50 percent participation of exploration expenses by the United States Government. Therefore, payment to the contractor by the Government in the amount of One thousand six hundred fifty-seven and 25/100 Dollars

$1,657.25

is considered valid and proper, provided that the Regional Executive Officer, the Administrator, or other competent official has accepted or will accept the project as having otherwise met the terms of the contract.

E. H. Talbert
E. H. Talbert, Auditor

November 20, 1956

Docket copy

TERMINATION AGREEMENT

It is agreed this 22nd day of October, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and Parker Mining and Development Company, hereinafter called the "Operator," parties to that certain Exploration Project Contract Idm-2946 (Docket No. DMEA-4111), dated July 13, 1956, hereinafter called the "Contract," that:

1. Effective September 14, 1956, the Contract and all obligations of the parties thereunder, except as otherwise herein expressly provided, shall be and are hereby terminated.

2. The Government shall contribute to allowable costs incurred prior to said effective date; and shall contribute to allowable costs incurred or to be incurred beginning with said effective date in performing winding-up and settlement actions provided for in the Contract, including (a) the preservation and disposal of property to the cost of which the Government has contributed, and (b) the making and rendering of reports and accounts.

3. Any work or operations prosecuted or costs incurred by the Operator beginning with said effective date, except as otherwise provided in this termination agreement, shall be for the sole account of the Operator without contribution by the Government.

4. The Operator shall promptly perform all winding-up and settlement actions provided for in the Contract, including (a) the disposal of any facilities, buildings, fixtures, equipment, or other items to the cost of which the Government has contributed; and (b) the rendering of the final report and final account.

5. All rights of the Government provided for in the Contract with respect to a certification of discovery or development, percentage royalty and lien for its payment, records, audit, and recovery of any overpayment, are preserved.

6. The Operator hereby releases and agrees to save the Government harmless from all claims or demands under or arising out of said Contract, except as otherwise provided in this termination agreement.

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Firewel
Chambers
Selfridge

IN WITNESS WHEREOF, these parties have executed this agreement as of the day and year first above written.

PARKER MINING AND DEVELOPMENT COMPANY

By Pierre E. Parker

Title Pres.

THE UNITED STATES OF AMERICA

By C. Mathieson

Administrator, Defense Minerals Exploration Administration

Docket copy

EXPLORATION PROJECT CONTRACT
PARKER MINING AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-4111

AMENDMENT NO. 1

It is agreed this 7th day of November, 1956, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, and Parker Mining and Development Company, that Exploration Project Contract No. Idm-8966 (Docket No. DMEA-4111), dated July 13, 1956, is hereby amended, effective as of the date of the contract, as follows:

In Exhibit "A," under the heading Description of the Work, all eight paragraphs which comprise item 1 of Stage I are deleted, and the following sentence is substituted:

> "1. Five drill holes shall be diamond core drilled, in not less than BX size, and the total footage of the five holes shall not exceed 1,250 feet."

This amendment shall not be construed to increase the estimated total cost of the project, the aggregate total amount which the Government may be required to contribute, nor the amount of any item designated as maximum.

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
ACTING Administrator, Defense Minerals Exploration Administration

PARKER MINING AND DEVELOPMENT COMPANY

By Pierre C. Parker

Title President

Indrity 11/2/56
Dunyon
"Approved"
J. all.
Talbot
Swizzard
Selfridge
Hoffman

Docket Copy

RECEIVED

AUG - 1 1956

MF-200
(Revised June 1954)

Docket No. DMEA 4111

Commodity Copper

Contract No. Idm-E 966

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

EXPLORATION PROJECT CONTRACT[1]

It is agreed this JUL 13 1956 day of ....., 195...., between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Parker Mining and Development Company (Incorporated in Colorado),

whose mailing address is Pierre H. Parker, President, Parker Mining and Development Company, RFD. Paeonian Springs, Virginia,

hereinafter called the "Operator," as follows:

ARTICLE 1. *This contract* is entered into under the authority of the Defense Production Act of 1950, as amended. It consists of this form (MF-200), the attached Exhibit "A," Annex I, and 2 maps

The Operator shall not transfer or assign this contract or any right thereunder without the written consent of the Government.

ARTICLE 2. *Operator's property rights.*—(a) The land which is the subject of this contract (hereinafter called "the land") is in the State of Maryland, County of Frederick, and is described in Annex I.[3]

(b) The Operator represents and undertakes that:

(1) The Operator is the[4] lessee of the mineral rights in the land, in possession and entitled to possession for all of the purposes of this contract, under and by virtue of a[6] lease, [7] recorded in Book ....., page ....., official records of said County; and

(2) The Operator's right, title, or interest (whether as owner, lessee, or otherwise) is subject only to the following claims, liens, or encumbrances: Percentage of profits as set forth in the lease.

(c) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above, and (if the Operator does not hold the legal title) the Consent to Lien of any holder of the legal title

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] Insert name, and if an organization, its nature (corporation and place of incorporation, partnership with names of partners, etc.).
[3] State on a separate sheet marked "Annex I" the legal description or enough to identify the property, particularly excluding any areas from which the production is not to be subject to the Government's percentage royalty.
[4] Insert "owner," "lessee," "contract purchaser," "locator," etc.
[5] Insert "the entire interest," "the mineral rights," "an undivided one-third," etc.
[6] Insert "deed," "lease," "contract," "location notice," "patent," etc.
[7] If not recorded, so indicate by inserting "un."

of the land (lessor, seller, optionor, etc.), are attached, as follows: Owners' Consent to Lien

(d) The Operator shall preserve and maintain his right, title, and interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. Until the lapse of the time within which the Government may make a certification of discovery or development without any such certification having been made, and after any such certification has been made, the Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof. If the Government makes no certification of discovery or development within the time limited in Article 8, it shall thereafter have no claim against the land or any production therefrom except for any production referred to in Article 8(b)(1).

ARTICLE 3. *The exploration project.*—The project is a search for indicated or undeveloped deposits of Copper. The work to be performed is described in Exhibit "A." The Operator on or before SEP 15 1956 shall commence the work, and on or before December 31, 1956 (unless the Operator's obligation to prosecute the work is terminated—see Article 10) shall either have completed the work or shall have incurred allowable costs (see Article 6) in a sum not less than the estimated total allowable cost set forth in Exhibit "A."

ARTICLE 4. *Performance of the work.*—(a) *Operator's responsibility.*—The work shall be performed with reasonable diligence, efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for liability insurance covering employment; and with suitable and adequate equipment, facilities, materials, supplies, and labor, to bring it to completion within the time fixed.

(b) *Independent contracts.*—To the extent that the allowable costs are estimated in Exhibit "A" with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed; but if the reference in Exhibit "A" to any such independent contract requires the Government's approval thereof, payments under such contract will not be allowable costs unless the Government gives its written approval of the contract. Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract and regardless of the Government's approval thereof, the Government will participate in payments to the independent contractor only on account of work performed in accordance with the provisions of this exploration project contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) *Government may inspect.*—The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract, and also after a certification of discovery or development to inspect production operations and underground workings. The operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 5. *Contribution by the Government.*—The estimated total allowable cost of the project, set forth in Exhibit "A," is the sum of $ 7,598.00. The Government shall contribute 50 percent of the allowable costs as they are incurred in a total sum not in excess of $ 3,799.00: *Provided,* That until the Operator has rendered to the Government his final report, and any final auditing required by the Government has been made, and a final settlement of the contract has been made, the Government may withhold from the last

voucher or vouchers such sums as it sees fit not in excess of 10 percent of the estimated total cost of the work or not in excess of the amount of the Government's contribution to the cost of property which is or may become subject to disposal as provided in Article 9(c), whichever is greater. The Government will make its contribution on the basis of the monthly vouchers referred to in Article 7(b), but all payments by the Government are provisional only, subject to audit, until the account between the Operator and the Government is finally audited and settled. "Costs incurred" mean costs that have been paid or have become due and payable, or that in the opinion of the Government have become an obligation. The Government may make payments directly to independent contractors and suppliers for the account of the Operator rather than to the Operator.

ARTICLE 6. *Estimated costs.*—(a) *Categories of costs.*—The allowable costs of the work to which the Government shall contribute are limited to those that are direct, reasonable, necessary, and that are estimated in Exhibit "A" by categories as specified in this article. If any category or subcategory is omitted from the estimate of costs, or if the word "none" is annexed to the listing thereof, costs under such category or subcategory are not allowable. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost, and any excess over the estimated total allowable cost of the work, shall not be allowable. Any excess over the estimate of any category, subcategory, or item, either as to requirement or related cost, not indicated as a maximum shall be allowable within the limit of the estimated total allowable cost of the work. To the extent that excesses over maximums other than the estimated total allowable cost of the work may be necessary for the performance of the work, the Operator shall incur such excesses for his own account without contribution by the Government; but except for any such necessary excesses in categories, subcategories, or items thereunder the Operator is not obligated to incur more than his agreed percentage of the estimated, total allowable cost of the work.

To the extent specified in this article or in Exhibit "A" the following categories, subcategories, and elements thereof are maximums; but if not so specified either here or in Exhibit "A" they are not maximums, and may be exceeded within the limit of the estimated total allowable cost of the work:

CATEGORY (1)—INDEPENDENT CONTRACTS.—Work to be performed under independent contracts (see Article 4(b)). The estimated total amount of this category and the estimated cost of each unit of work for performance under an independent contract are maximums.

CATEGORY (2)—PERSONAL SERVICES.

Subcategory (a)—Supervision.—All elements of this subcategory (number of supervisors, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)—Technical services.—All elements of this subcategory (number of technicians, periods of employment, rates of pay, and total) are maximums.

Subcategory (c)—Labor.

CATEGORY (3)—OPERATING MATERIALS AND SUPPLIES.—Includes such items as drill bits and steel, explosives, fuel, pipe, power, small tools costing less than $50 each, timber, track.

CATEGORY (4)—OPERATING EQUIPMENT.

Subcategory (a)—Rental.—The number of each object to be rented [6 mine cars, 1 truck], the rate of rental [$100 per month, $5 per hour], and the total of this subcategory are maximums.

Subcategory (b)—Purchases.—The estimated total of this subcategory is a maximum.

Subcategory (c)—Depreciation.—All elements of this subcategory (time periods, rate of depreciation, and subcategory total) are maximums.

CATEGORY (5)—INITIAL REHABILITATION AND REPAIRS.—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

Subcategory (a)—Initial rehabilitation and repairs of existing buildings, fixtures, and installations (exclusive of mine workings).—The estimated total of this subcategory is a maximum.

Subcategory (b)—Initial rehabilitation and repairs of operating equipment.—The estimated total of this subcategory is a maximum.

CATEGORY (6)—NEW BUILDINGS, FIXTURES, AND INSTALLATIONS (EXCLUSIVE OF MINE WORKINGS).—Estimates under this category include all requirements and related costs, such as labor, materials and supplies, and supervision at a rate not higher than provided for in Category (2), and shall not be duplicated under any other category. The estimated total of this category is a maximum.

CATEGORY (7)—MISCELLANEOUS.—Repairs and maintenance (other than initial) of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, communications, and any other items of requirement or cost that do not fall within any of the first 6 categories.

THE ESTIMATED TOTAL ALLOWABLE COST of the work is a maximum.

(b) *Nonallowable costs.*—The following costs are not allowable for contribution by the Government:

(1) *Costs of the land,* such as rental, depreciation, depletion, or other cost of acquiring, owning, or holding possession;

(2) *Indirect costs,* such as general overhead, corporate management, interest, taxes (other than payroll and sales taxes), insurance (other than liability insurance covering employment), damages to persons, damages to property (other than necessary repairs or replacements of equipment or other property used in the work);

(3) *Previous work* performed or costs incurred before the date of this contract; and

(4) *Deferred payments.*—Any costs incurred by the Operator under any rental-purchase agreement, installment-purchase agreement, or any agreement for the purchase of goods under the provisions of which payment of the full purchase price is deferred more than 90 days from the delivery of the goods; unless the purchase agreement is approved by the Government in writing.

(c) *Reductions in costs.*—The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original estimated total cost. This provision does not apply to receipts from production which are subject to the Government's percentage royalty under the provisions of Article 9. See Article 13.

ARTICLE 7. *Reports, accounts, audits.*—(a) *Operator's records.*—The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. If the Government elects to audit said records and accounts relating to the exploration work by certified public accountant, it may do so as a cost of the work to which the Operator shall contribute. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine any pertinent books, documents, papers, and records of the Operator. All of the Operator's vouchers and records and accounts relating thereto and the Government's payments thereof remain subject to adjustment until final audit by the Government. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) *Progress reports and vouchers.*—The Operator shall provide the Government with five copies of monthly progress reports in three sections as follows: (1) Operator's Monthly Report and Voucher showing detailed costs incurred during the reporting period; (2) Operator's Unit Cost and Progress Report showing the various types of work performed during the reporting period and costs incurred for each type of work; and (3) a Narrative Report of the work performed during the reporting period including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground. (Forms for reporting under (1) and (2) above will be provided by the Government.)

(c) *Final report.*—Upon completion of the work or termination of the Government's obligation to contribute to costs, the Operator shall furnish the Government with five copies of a final report (in addition to the final progress report and voucher). This final report shall include a geological and engineering evaluation of the results of the work performed under the contract with an estimate of the ore reserves resulting from such work, complete assay data, adequate geological and engineering maps or sketches, and a summary of the work performed and related costs incurred.

(d) *Report of sales.*—The Operator shall provide the Government with suitable accounting and documentary evidence covering all production to which the Government's percentage royalty relates, such as copies of smelter or concentrator settlement sheets, and certified accounts of production and sale or other disposition of production.

(e) *Compliance with requirements.*—If in the opinion of the Government any of the Operator's reports, records, or accounts are insufficient or incomplete, or if the Operator fails to make them, the Government may procure the making or completion of such with suitable attachments as an expense of the work to which the Operator shall contribute. The Government may withhold approval and payment of any vouchers relating to insufficient or incomplete reports, records, or accounts.

ARTICLE 8. *Repayment by Operator.*—(a) *Certification.*—If the Government considers that a discovery or development from which production may be made has resulted from the work, the Government, at any time not later than six months after a sufficient final report and final account (see Article 7) has been rendered, may so certify in writing to the Operator. Such certification shall describe broadly or indicate the nature of the discovery or development.

(b) *Royalty on production.*—The Operator, as principal if the Operator is the producer, or as surety if the Operator is not the producer, shall pay to the Government a royalty on all minerals mined or produced from the land, as follows: (1) regardless of any certification of discovery or development, from the date of the contract until the lapse of the time within which the Government may make such certification, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first; or (2) if the Government makes a certification of discovery or development, within a period of ten years from the date of the contract, or until the total net amount contributed by the Government without interest is fully repaid, whichever occurs first.

(c) *Basis for computation.*—The Government's royalty shall be a percentage of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrates, metal, or equivalent), at the point of delivery (the f. o. b. point); *except,* that charges of *the buyer* arising in the regular course of business, and shown as deductions on the buyer's settlement sheets, on account of the cost of treatment processes performed by *the buyer,* sampling and assaying to determine the value of the production sold, and freight paid by *the buyer* to a carrier (not the Operator), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. Any costs of treatment processes, sampling or assaying, or transportation, performed or paid by the Operator or by anyone other than the buyer, are not deductible in arriving at the "gross proceeds" as that term is here used. The term "treatment processes," as here used, means those processes (such as milling, concentrating, smelting, refining, or equivalent) applied to the crude ore or other production after it is extracted from the ground, to put it into a commercially marketable form; excluding fabricating or manufacturing.

(d) *Unsold production.*—If any production (ore, concentrates, metal, or equivalent), after the lapse of six months from the date the ore was extracted from the ground, remains neither sold nor used by the Operator in integrated manufacturing or fabricating operations (for instance, if it is stockpiled), the Government, at its option, as long as it so remains, may require the computation and payment of its royalty on the value of such production in the form (ore, concentrates, metal, or equivalent) it is in when the Government elects to require computation and payment. If any production is used by the Operator in integrated manufacturing or fabricating operations before the Government makes its election, the Government's royalty on such production shall be computed on the value therof in the form in which and at the time when it is so used. "Value" as here used means what is or would be gross income from mining operations for percentage depletion purposes in Federal income tax determination, or the market value, whichever is greater.

(e) *Percentages of royalty.*—The percentages of the Government's royalty shall be as follows:

One and one-half (1½) percent of amounts ("gross proceeds" or "value") not in excess of eight dollars ($8.00) per ton of production in the form in which sold, held, or used, plus one-half (½)

percent for each additional full fifty cents ($0.50) by which such amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such amounts.

(For instance: the royalty on an amount of five dollars ($5.00) per ton would be one and one-half (1½) percent; on an amount of ten dollars ($10.00) per ton, three and one-half (3½) percent.)

(f) *Time for computation and payment.*—The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be, as above provided in this article.

(g) *Lien for payment.*—To secure the payment of its percentage royalty, there is hereby granted to the Government a lien upon the land or the Operator's interest in the land and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(h) *Notice to purchasers.*—The Operator shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Administrator, Defense Minerals Exploration Administration, or his successor, and his estimate thereof shall be final and binding upon the Operator.

(i) *No obligation to produce.*—Nothing in this contract is to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(j) *Government not obligated to buy.*—Nothing in this contract shall be construed as imposing any obligation on the Government to purchase any minerals mined or produced from the land.

ARTICLE 9. *Interests in purchased property.*—(a) *Title and ownership.*—All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions, although title thereto shall be taken in the name of the Operator.

(b) *Preservation of property.*—Until the final disposal of any property in which the Government has an interest the Operator shall preserve and protect same for the best interest of the Government, any reasonable and necessary costs thereof to be treated as an allowable cost of the project. After the completion of the work or termination of the Government's obligation to contribute, or when such property is not in use for or needed for the work, the Operator shall neither use it without the written consent of the Government nor without paying a reasonable rental to be fixed by the Government for its interest.

(c) *Disposal of property.*—Upon the completion of the work or termination of the Government's obligation to contribute to costs, or when the property is no longer needed for the work, the Operator shall promptly dispose of salable or salvageable property in which the Government has an interest for the joint account of the Government and the Operator, either by return to the vendor, by sale to others, or purchase by the Operator or the Government at a price at least as high as could be obtained from others, unless the Government in writing waives its interest in any such property. Without advance approval of the sales price by the Government the Operator shall not sell at any price any item of property the cost of which was more than $500, and shall not sell at less than 25 percent of the purchase price any item of property which cost $500 or less. The Government, in lieu of approving the sales price for any such item, may itself purchase the item at the best price which the Operator is able to obtain or himself cares to give. Property remaining upon any termination of the work shall be considered in groups or categories (such as drill steel, or explosives, or pipe, or rails), and if the original cost of the remaining unexpended portion of any such group or category is less than $50, the Government waives its interest therein. If necessary to accomplish the disposal of any item the Operator shall dismantle and sever it from the land, the cost thereof to be treated as a cost of the project.

(d) *Default of the Operator re disposal.*—If within 90 days after the completion of the work or termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, or after such further time as the Government may in writing allow, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may pursue one of the following two courses: (1) the Government, by written notice to the Operator, may place upon such property what in its opinion is a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the

date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; or (2) the Government may enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 10. *Termination of the Government's obligations.*—(a) If in the opinion of the Government operations at any time have failed to achieve anticipated results that indicate the probability of making a worthwhile discovery, and in the opinion of the Government further operations are not justified, the Government may give the Operator written notice thereof, and thereupon: (1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting.

(b) If in the opinion of the Government the Operator is in any manner in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon: (1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to winding up, reporting, and accounting; and (2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to winding up, reporting, and accounting. The remedy provided for the Government in this paragraph "(b)" is in addition to any other remedy provided in this contract, and in addition to any other remedy the law may provide for breach of contract.

(c) The giving of any notice by the Government under the provisions of this Article 10 shall not affect the Government's rights as provided for in the contract with respect to a percentage royalty, and such rights shall be fully preserved.

ARTICLE 11. *Notices to be given by the Government* may be delivered to the Operator, or may be sent by registered mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 12. *Officials not to benefit.*—No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 13. *Changes and added provisions.*—

In Article 6(c) the reference to Article 8 is changed to Article 9.

Indexing 7/9/56
Dunyon

"Appd. Sol. Off."

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By C. W. Mitkendorff

Administrator, Defense Minerals
Exploration Administration

PARKER MINING AND DEVELOPMENT COMPANY
(Operator)

By Pierre E. Parker

Title President

I, Helen O. Parker, certify that I am the Assistant secretary of the corporation named as Operator herein; that Pierre E. Parker who signed this contract on behalf of the Operator, was then President of said corporation; that said contract was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

Helen O. Parker

[CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—70617-1

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AUG - 1 1956

EXPLORATION PROJECT CONTRACT
PARKER MINING AND DEVELOPMENT COMPANY
DOCKET NO. DMSA-4111

ANNEX I

The land referred to in Article 2 of the Contract consists of approximately 285 acres in Liberty District in Frederick County, Maryland, known as the "Dolly Hide Farm," as described in deed from Maria Tylar Hayward, widow, to W. Clinton McSherry, et ux., dated February 7, 1940, and recorded among the Land Records of Frederick County in Liber 423 folio 86. The foregoing land consists of two parcels, described by metes and bounds in the Consent to Lien received June 29, 1956, from Marian S. McSherry, W. Clinton McSherry, Jr., and James McSherry, attached hereto and made a part hereof.

The property is shown on the map entitled "Parker Mining & Dev. Co., Dolly Hide Mine, Frederick Co., MD., Docket No. DMSA 4111, after Applicant's Map - with additions," attached hereto and made a part hereof.

MF-203
Revised March 24, 1955

Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E 966
Contract Date JUL 1 3 1956

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JUN 2 9 1956

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of Frederick, State of Maryland, described as follows:1/

See Annex I

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/

None

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: _____

_____

_____

_____

_____

_____

_____

_____

Dated this _____ day of _____, 195__.

Marian S. McSherry [Seal]

W. Shirley McSherry Jr. [Seal]

James M. McSherry [Seal]

I, _____ certify that I am the _____ _____ (Secretary, etc.) of the corporation named herein; that _____ _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

Docket No. DMEA _____
Commodity _____
Contract No. Idm-E _____

RECEIVED
JUN 29 1956

United States of America, Department of the Interior, Defense Minerals Exploration Administration, Exploration Project Contract, with:

_____

ANNEX I, Description of land (subject to the terms of the contract).

PARCEL 1: Beginning for same at a stone planted at the end of the first line in a deed to Linganore Copper Co. from James H. Harris, and his wife, dated April 16, 1909, and recorded in Liber STH 287, folio 217, one of the Land Records Frederick County, and running thence with said deed as follows: (1) N. 20° W. 166 perches, (2) N. 12° W. 17.1 perches to a point in the middle of the public road leading from Libertytown to Unionville, thence S. 68° W. 42 perches, N. 77½° W. 20.5 perches N. 34½° E. 2 perches N. 82° W. 14 perches, N. 46¼° W. 7 perches N. 53° W. 20 perches to the beginning of the New London Road, thence S. 17° W. 25 perches S. 22.25 perches S. 18½° W. 46 perches, S. 17¼° W. 38 perches, S. 16° W. 73.9 perches, S. 45° E. 81.75 perches, N. 53 3/4° E. 10.5 perches S. 78° E. 14.5 perches, S. 17° E. 2.5 perches N. 76° E. 119.8 perches, N. 38¼° E. 42.3 perches N. 55¼° W. 19 perches W. 1.5 perches to place of beginning; containing 225 acres, 2 rodds and 16.58 square perches, less all that piece or parcel of real estate reserved unto the Linganore Copper Co. its successors and assigns containing 19 acres and 7 sq. perches of land, it being all and the same land described in a deed to Thomas B. Hayward and his wife, from the Linganore Copper Co., dated the 26th day of October, 1912, and recorded in Liber H.W.B. 302 folio 283, one of the Land Records of Frederick County.

PARCEL 2: All that property known as Dolly Hyde Mine x x x x beginning to include said parcel of land at the end of 4.6 perches on the 4th or N. 77½° W. 20.5 perch line of the aforesaid deed to Thomas B. Hayward (1) S. 8¼° E. 48.58 perches (2) S. 66° W. 15 perches (3) S. 38° W. 20 perches (4) S. 12° W. 32 perches, (5) N. 71° E. 52 perches (6) N. 65 3/4° E. 50.2 perches to the end of 100 perches on the first line of aforesaid deed to Thomas B. Hayward and which said first line one course (7) N. 20° W. 20 perches (8) S. 87° W. 54.24 perches to a stake at the end of a line drawn N. 81¼° E. 1.5 perches from the end of t he 1st line of this tract (9) N. 8¼° W. 48 perches to the end of 3 perches on the 4th line aforementioned and which said line (10) N. 77½° W. 1.6 perches to the 1st mentioned place of beginning, containing 19 acres, and 7 sq. perches.

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1956

EXPLORATION PROJECT CONTRACT
PARKER MINING AND DEVELOPMENT COMPANY
DOCKET NO. DMEA-4111

EXHIBIT "A"

Description of the Work

The work consists of diamond drilling for a copper deposit and is divided into two successive stages. The Operator shall perform the Stage I work and so much of the Stage II work as is approved in advance by the Government.

The location, direction, inclination, and length of all diamond drill holes shall have prior approval of the Government.

Stage I

1. Not to exceed 1250 feet of diamond core drilling, of not less than BX size, shall be done, in holes as follows:

Hole No. DD1 shall be collared on a line bearing due west (magnetic) from the north corner of the old stone pumphouse and at a point approximately 120 feet from the pumphouse. The hole shall be drilled approximately on a N. 69° E. magnetic bearing and be inclined at an angle of approximately 45° and shall have a maximum length of 300 feet.

Hole No. DD2A (Alt. A) will be drilled only if the results obtained in hole No. DD1 are encouraging. If drilled, hole No. DD2A will be collared at a point approximately 106 feet from the collar of hole No. DD1 and on a line bearing approximately N. 30° W. (magnetic) from the collar of hole No. DD1, and shall be drilled on a bearing approximately N. 63° E. (magnetic), on an inclination of approximately 40° and shall have a maximum length of 275 feet.

Hole No. DD2B (Alt. B) will be drilled only if the results obtained in hole No. DD1 are not encouraging. If drilled, hole No. DD2B will be located on a line bearing approximately N. 47° E. (magnetic) from the north corner of the old stone pumphouse and collared at a point approximately 285 feet from the same corner, and shall be drilled with an inclination of approximately 45° and a bearing of approximately S. 70° W. (magnetic), and shall have a maximum length of 350 feet.

Hole No. DD3 shall be located on a line bearing approximately S. 53° E. (magnetic) from the north corner of the old stone pumphouse and collared at a point approximately 290 feet from the same corner. The hole shall be drilled on an inclination of approximately 45° and a bearing of approximately N. 17° W. (magnetic) and shall have a maximum length of 300 feet.

Hole No. 4 shall be one of the following alternate holes, depending on information obtained from previously drilled holes:

Alt. A, DD4 --shall be located on a line bearing approximately S. 11° E. (magnetic) from the north corner of the stone pumphouse and collared at a point approximately 170 feet from that corner, shall be drilled on a bearing of approximately N. 26° E. (magnetic), inclined approximately at 45°, and shall have a maximum length of 300 feet.

Alt. B, DD4 -- shall be located on a line bearing approximately N. 56° E. (magnetic) from the north corner of the stone pumphouse and collared at a point approximately 210 feet from the same corner, shall be drilled on a bearing of approximately S. 26° W. (magnetic), inclined at 45° and shall have a maximum length of 300 feet.

2. Not to exceed 80 core boxes, each for 16 feet of BX core, shall be provided.

3. Space for core storage shall be rented for not more than two months.

4. Not to exceed 34 samples for copper, zinc, and lead, shall be assayed.

5. Not to exceed 14 samples for copper, zinc, lead and silver shall be assayed.

The approximate location of the drill holes is shown on the map entitled "Map of the Dolly Hyde Mine and drill holes proposed for Stage I," attached hereto and made a part hereof.

Stage II

1. Not to exceed 600 feet of diamond core drilling, of not less than BX size shall be done. The location, direction, inclination, and extent of the holes to be drilled shall have prior approval of the Government.

2. Not to exceed 38 core boxes, each for 16 feet of BX core, shall be provided.

3. Space for core boxes may be rented for not more than one month.

4. Not to exceed 16 samples shall be assayed for copper, zind, and lead.

5. Not to exceed 6 samples shall be assayed for copper, zinc, lead, and silver.

Estimated Costs of the Project
(*indicates an allowable maximum)

Stage I

Category (1) Independent Contracts

1250 feet of diamond drilling @ $3.50/ft. $4,375.00

Category (2) Personal Services

None

Category (3) Operating Materials and Supplies

None except
80 core boxes @ $3.50/box 280.00

Category (4) Operating Equipment

None

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures and Installations

None

Category (7) Miscellaneous

None except the following items:

Rental of space for core storage, 2 months
@ $10.00/month 20.00

34 samples, assayed for copper, zinc, and lead @ $8.00/sample 272.00

14 samples, assayed for copper, zinc, lead and silver @ $12.00/sample 168.00

Estimated Total Cost of Stage I $5,115.00

Stage II

Category (1) Independent Contracts

600 feet of diamond drilling @ $3.50/ft.	$2,100.00	

Category (2) Personal Services

None

Category (3) Operating Materials and Supplies

None except 38 core boxes @ $3.50/box	133.00	

Category (4) Operating Equipment

None

Category (5) Initial Rehabilitation and Repairs

None

Category (6) New Buildings, Fixtures and Installations

None

Category (7) Miscellaneous

None except the following items:

Rental of space for core storage, 1 month *@ $10.00/month*	10.00	
16 samples assayed for copper, lead, and zinc @ $8.00/sample	128.00	
6 samples assayed for copper, zinc, lead, and silver @ $12.00/sample	72.00	
Estimated Total Cost of Stage II		$2,443.00
Estimated Total Cost of Project		$7,558.00
Government Participation @ 50%		$3,779.00

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 3 1955

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 -4111
Metal or Mineral Copper
Date Received 1-3-55
Estimated Cost $3,990.00
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: Parker Mining and Development Company (incorporated in Colorado)
RFD, Paeonian Springs, Virginia
Pierre E. Parker, President, RFD, Paeonian Springs, Va.
John Sneight, Secretary, 123 N. 8th St., Grand Junction, Colorado

(*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.

(*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 All that farm land consisting of approx. 225 acres in Liberty District, known as the "Dolly Hyde Farm", as described in deed from Maria Tyler Hayward, widow to W. Clinton McSherry, and his wife, dated Feb. 7, 1940, and recorded among the Land Records of Frederick Co., Md. in Liber 423, folio 86.

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

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

(*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. Copy of lease is attached

(*e*) If you own the land, describe any liens or encumbrances on it not applicable

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. not applicable

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. See attachment

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

(*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. See attachment

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

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

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

(*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. See attachment

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

(*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. See attachment

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.). See attachment

(*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. not applicable

(*c*) *Operating materials and supplies.*—Furnish an itemized list, including items of equipment costing less than $50 each, and power, water and fuel. not applicable

(*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. not applicable

(*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. not applicable

(*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. not applicable

(*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. not applicable

(*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. not applicable

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 Dec. 30, 1955

Parker Mining & Development Co.
(Applicant)

By Pierre E. Parker, Pres.

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

PARKER MINING AND DEVELOPMENT COMPANY
RFD, PAEONIAN SPRINGS, VIRGINIA

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JAN 8 1953

QUESTION 4

4a The Dolly Hyde Mine wasopened about 1839 and flooded out in 1855. The old mine shaft is now filled in, hence not available for inspection. No records describing the extent of the workings were found, except the notation that the shaft extended for a depth of several tens of feet. A brief description of the history of the mine occurs in Singewald, The Physical Features of Carroll County and Frederick County, Dept. of Geology, Mines and Water Resources, State of Maryland, 1946, page 156

4b The only record of production is for the period 1843-53:
191,933 lbs. of 22% Cu
284,481 lbs. of 10% Cu
These production figures are in Mining Magazine, Series I, Vol. 1, July - December 1853, pages 476-480. A copy of this may be found in the Library of Congress.

4c Singewald (1946) states thatin this mine and the neighboring Liberty Mine and New London Mine, the copper ore, chalcocite, and bornite are disposed linearly along a schist-limestone contact and replace the limestone. Mineralized material as seen in the Liberty Mine follows this pattern. Two hand specimens from the Liberty Mine, five inches across and about 90% chalcocite, are in the State Mineralogic Collection at the Smithsonian Institution. Since the Dolly Hyde property is under cultivation, outcrops are scarce and poor.

It is believed that the Dolly Hyde property offers an excellent prospect for finding commercial quantities of copper, based on the following facts: 1) high-grade copper ores were found there when the mine was in operation; 2) mining operations apparently ceased not because of the depletion of ore but because of water encroachment, which was to be expected because of the low topographic site of the workings and their proximity to a stream; 3) the host rock for the ore, a dolomitic marble, and the adjacent schistose rocks are identical to those that produced in the New London Mine, four and a half miles to the south, and the Liberty Mine, two and a half miles to the north of the Dolly Hyde Mine.

Although no production figures have been found in the literature for these two mines, the extent of the existing workings indicates that substantial tonnages were produced.

4d The site of the old mine shaft lies about 1,000 feet from a paved highway, Maryland State Highway 26, one mile east of Libertytown, Maryland. The property is eight miles from Union Bridge, Maryland, where both the Pennsylvania and the Western Maryland Railroad have sidings and a station. The property is 12 miles from Frederick, Maryland, and 30 miles from Baltimore.

4e Electric power and a telephone are already available on the property. A small year-round stream traverses the property. Labor, equipment and repairs are readily available from Frederick, since the area abounds in large active limestone quarries.

PARKER MINING AND DEVELOPMENT COMPANY
RFD, PAEONIAN SPRINGS, VIRGINIA

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JAN 3 1953

Question 5

5b Diamond drilling is proposed in order to recover cores from the mineralized zone in the marble. Drill holes will be oriented so as to intersect the zone close to right angles at depths of 50 and 150 feet down dip from the surface, and at 100 foot intervals along the strike. Eight holes in all will be drilled, four about 80 feet in length and four about 205 feet in length. It is felt that this spacing of holes should be sufficient to determine whether or not commercial ore exists.

5d The Parker Mining and Development Company was incorporated in Colorado in 1952. It has engaged in several drilling programs on the Colorado Plateau; these programs were personally conducted by its president, Mr. Pierre Parker. The company has been mining carnotite ore from the Bean Patch Mine, Slick Rock Mining District, Colorado, for the last three years. Mr. Parker is a trained geologist with an AB and MA from the University of California. He has been employed as a geologist by Socony Vacuum Oil Company, United States Steel Corporation, and by the Unites States Government in the C.I.A. During the last few years he has done consulting work on subsurface problems in both the United States and Canada, particularly with respect to ore reserve estimates from core drilling.

PARKER MINING AND DEVELOPMENT COMPANY
RFD, PAEONIAN SPRINGS, VIRGINIA

RECEIVED
JAN 8 1953

QUESTION 6

6a It is proposed to contract the drilling on a footage basis. Inasmuch as there are an estimated 1,140 feet of drilling, at a rate of $3.50 per foot the entire project will cost $3,990. The company does not seek any reimbursement for supervision, sampling or analyses. A copy of a bid on this drilling job is attached.

DIAMOND & SHOT CORE DRILLING
FOUNDATION INVESTIGATION
SOIL SAMPLING

FOUNDATION GROUTING
TEST PITS
MINERAL & QUARRY TESTING

CUNNINGHAM CORE DRILLING AND GROUTING CORP.
P. O. BOX 513, SALEM, VA.
TELEPHONE 2396

December 10, 1955

Parker Mining & Development Co.
Paeonian Springs, Virginia

Attention: Mr. P. E. Parker

Dear Sir:

Confirming my recent telephone conversation with you in regard to a possible drilling program for you in the vicinity of Frederick County, Maryland, drilling about 8 holes for a minimum of 1100 feet of BX size cores in medium soft limestone with no chert or flint in a relatively open field surface condition, we quote a flat price of $3.50 per foot measured from surface of ground to bottom of hole, properly logged and boxed with no extra charge for moving equipment in and out due to the amount of minimum footage stated.

We would probably be able to move a drill to the job on a very few days notice if work is done in the next two or three months.

Very truly yours,

CUNNINGHAM CORE DRILLING
AND GROUTING CORPORATION

Sam J. Cunningham

Sam J. Cunningham

SJC: d

PARKER MINING AND DEVELOPMENT COMPANY, RFD, PAEONIAN SPRINGS, VA.

RECEIVED JAN 2 1956

COPY

This Lease, made this 23 day of November 1955, by and between W. Clinton McSherry, Jr., and James McSherry and Marian S. McSherry, his wife, Parties of the Fisst Part, hereinafter called "Lessor", and Parker Mining and Development Company, a body corporate of the State of Colorado, hereinafter called "Lessee".

WITNESSETH: That for and in consideration of the sum of One Dollar ($1.00) paid by each of the parties to the other, the receipt of which is hereby acknowledged, the lessor does hereby lease and demise unto the Lessee all its right, title and estate in and to the mineral rights, together with the right to enter for the purpose of prospecting, sampling, drilling, mining and transportation of any and all ore, or pertinent equipment pertaining to the following described premises:

All that farm land consisting of approxi mately 225 acres in Liberty District, in Frederick County, Maryland, known as the "Dolly Hyde Farm", as described in deed from Maria Tyler Hayward, widow of W. Clinton McSherry, and his wife, dated Feb. 7, 1940, and recorded among the Land Records of Frederick County in Liber 423 folio 86.

Further leases unto the Lessee, a presently undetermined location and description, two (2) acres, which two (2) acres shall be located as provided upon the following terms and conditions:

(1) This lease shall be for a period of Ten (10) years beginning on the 23 day of November 1955 and ending on the 22 day of October 1965, and shall not be renewed thereafter except upon the mutual consent of the parties,

RECEIVED JAN 2 1983

(2) The Lessee agrees to the terms hereinabove, and hereinafter set forth, and further agrees that at the expiration of this lease it shall return the premises to the Lessor, in substantially the same condition as when received, necessary excavations excepted.

(3) The Lessee further agrees that it shall remove all the buildings and in addition will cap with reinforced concrete, at least eight inches thick, any and all mine shafts.

(4) The Lessee further agrees that should it desire to dewater the old mine presently on the premises, or should dewatering operations be necessary for any new shaft, it will deposit the dirt removed from the shaft in such a fashion as to dreate an earthen dam at a point in the present meadow and lying along Dolly Hyde Creek; such location to be determined by the Lessor; and further that any water taken from the old shaft and any water taken from any new shaft shall be pumped to a point north of this dam.

(5) The Lessee agrees that should it locate a concentrator on the premises herein described, that any water used in the operation thereof will be deposited at a point south of the above described dam.

(6) The Lessee promises and agrees to conduct no stripping operations during the process of mining; that is, it shall not remove top soil or overburden in substantial quantities so as to expose a large area of underground ore, it being the intention of this provision that insofar as practicable, farming operations on the premises herein described will not be disturbed, nor the farm rendered useless for farming.

RECEIVED JAN 5 1953

(7) The Lessee promises and agrees to allow free and complete access to all books, papers, documents and records in any way connected with any mining operations carried on by the Lessee on the premises above referred to, to the Lessor.

(8) The Lessee promises and agrees to conduct any and all operations in accordance with good mining practices, and comply with all State and Federal mining regulations.

(9) The Lessee further promises and agrees to protect the Lessor, and any other parties in interest, against public liability by means of a policy or policies of insurance issued by a company acceptable to the Lessor.

(10) The Lessee promises and agrees to compensate the farming tenant and the owner of the premisesfor any damageto crops, pasture, fencing or farm buildings.

(11) The Lessee agrees to pay to the Lessor fifteen percent of any and all net profits realized from mining operations conducted on the premises, after the deduction from the gross profits of all of the ordinary and necessary expenses of mining, processing and smelting, including but not limited to the costs of materials, supplies, labor, ore transportation costs, salaries of resident officers and employees of the lessees while engaged in efforts directly pertaining to the mining operations and taxes (including State and Federal income and State and County real estate), but before the deduction allowed by the Internal Revenue Code of the United States for depletion.

Helen Stewart (Notary)
Helen O. Parker
(Asst. Secretary)

Parker Mining&Development Co.
by Pierre E. Parker, Pres. (SEAL)
W. Clinton McSherry, Jr. (SEAL)
James McSherry (SEAL)
Marian S.McSherry (SEAL)

PARKER MINING AND DEVELOPMENT COMPANY, RFD, PAEONIAN SPRINGS, VA.

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator
Docket No. DMEA-
Contract No. Idm-E
Contract Date

CONSENT TO LIEN

To the United States of America:

Referring to that certain land in the County of ~~Frederick~~, State of Maryland, described as follows:1/ All that farm land consisting of approximately 225 acres in Liberty District, known as the "Dolly Hyde Farm", as described in deed from Maria Tyler Hayward, widow to W. Clinton ~~McSherry, and his wife, dated Feb. 7, 1940, and recorded among the Land~~ Records of Frederick Co. in Liber 423 folio 86.

which is the subject of a proposed exploration project contract, hereinafter called the "contract," with the United States of America, hereinafter called the "Government;" in consideration of the contract and as an inducement to the Government to enter into it, the undersigned hereby--

1. Undertakes and agrees that property in which the Government may acquire an interest or equity under the contract may be dismantled, severed from the land, and removed, as may be provided in the contract; and the Government's interest and equity in such property shall be prior and superior to any adverse right or claim of the undersigned;

2. Grants to the Government a lien upon all of the undersigned's right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of a percentage royalty on production as may be provided for by the contract;2/ and represents and undertakes that there are no claims, liens, or encumbrances upon the undersigned's right, title, or interest in the land prior to that hereby granted to the Government other than the following:3/ none

3. Undertakes and agrees neither to commit any act nor assert any claim in conflict with the provisions of this Consent to Lien; and to give advance notice of the Government's rights under this Consent to Lien to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, or interest in the land; and

1/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease [or contract, deed, or other document] dated _____, and recorded in book _____ page _____ official records of said county." If (b) is used, the book and page of recordation cannot be dispensed with. If the space provided is insufficient, use an Annex, and refer to the Annex in the space.

2/ Mining or production from the land is not required, and in the absence of production there is no obligation to repay the Government.

3/ Write "none" if that is the case. Do not leave lines blank.

RECEIVED
JAN 3 1955

4. Consents to all amendments and assignments of the contract without notice thereof, and agrees that this Consent to Lien shall extend and apply thereto.

5. Added provision: none

Dated this 19 day of December, 1955.

James McSherry [Seal]

Marion D. McSherry [Seal]
By Jas. McSherry

W. Clinton McSherry [Seal]
By James McSherry

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

PARKER MINING AND DEVELOPMENT COMPANY, RFD, PATTIAN SPRINGS, VA.

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

CONSENT TO LIEN

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5. Added provision: NONE

Dated this 19 day of December, 1955.

/s/ James McSherry [Seal]

/s/ Marian S. McSherry [Seal]

/s/ W. Clinton McSherry [Seal]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

RECEIVED
JAN 3 1956

PARKER MINING AND DEVELOPMENT COMPANY, RFD, PARNIAN SPRINGS, VA.

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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/s/ James McSherry [Seal]

/s/ Marian S. McSherry [Seal]

/s/ W. Clinton McSherry [Seal]

I, _____ certify that I am the _____ (Secretary, etc.) of the corporation named herein; that _____ who signed this agreement was then _____ (President or Vice-President, etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

_____

[Corporate Seal]

RECEIVED
JAN 3 1956

PARKER MINING AND DEVELOPMENT COMPANY, RFD, PAPINIAN SPRINGS, VA.

MF-203
Revised March 24, 1955

For Government's Use Only
EXPLORATION PROJECT CONTRACT
Operator _____
Docket No. DMEA- _____
Contract No. Idm-E _____
Contract Date _____

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/s/ Marian S. McSherry [Seal]

/s/ W. Clinton McSherry [Seal]

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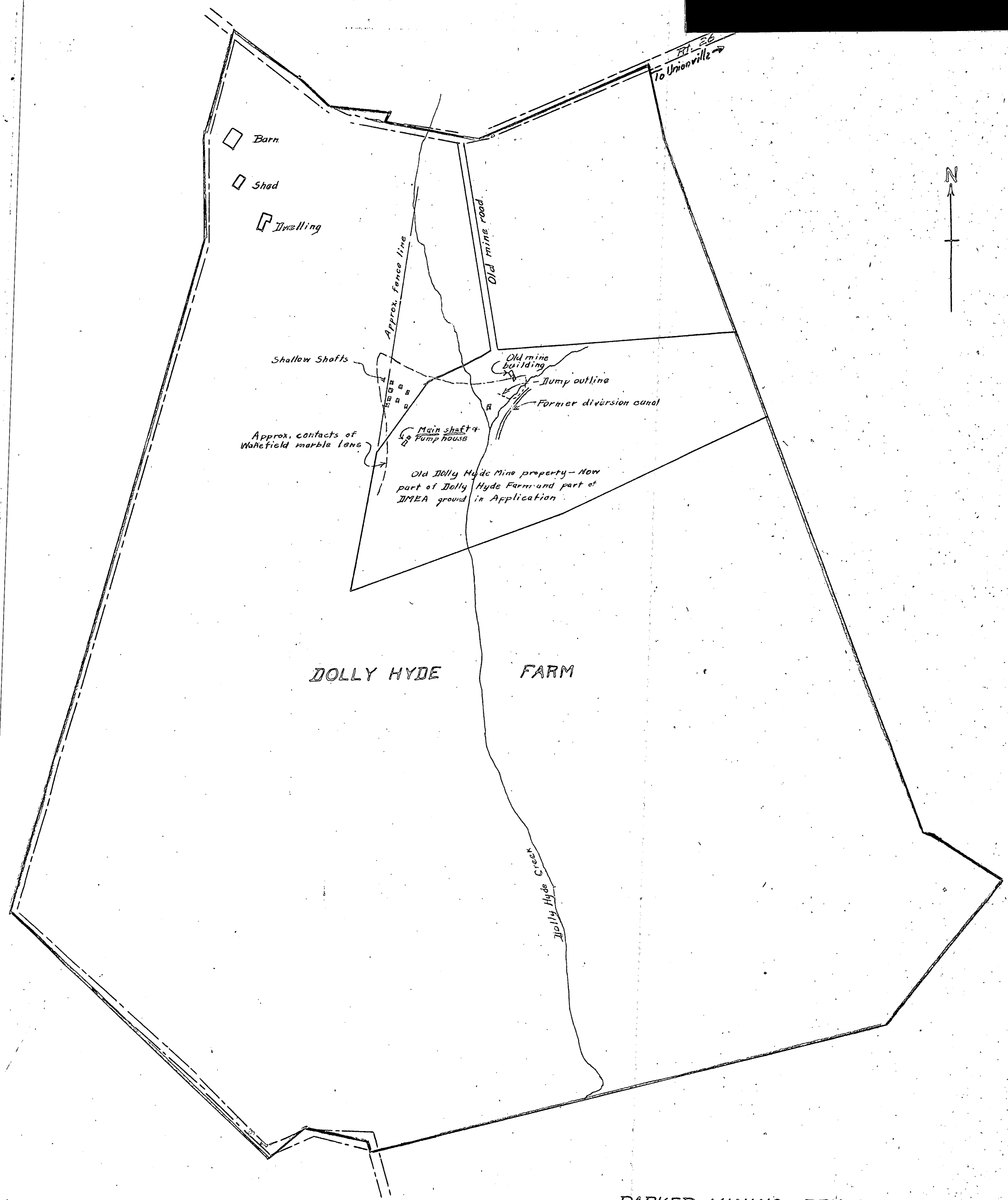
_____

[Corporate Seal]

RECEIVED
JAN 3 1955



PARKER MINING & DEV. CO.
DOLLY HYDE MINE – FREDERICK CO. MD.
DOCKET No. DMEA 4111.
AFTER APPLICANT'S MAP – WITH ADDITIONS

scale: 1" = 20 ps.

U.S.D.M.

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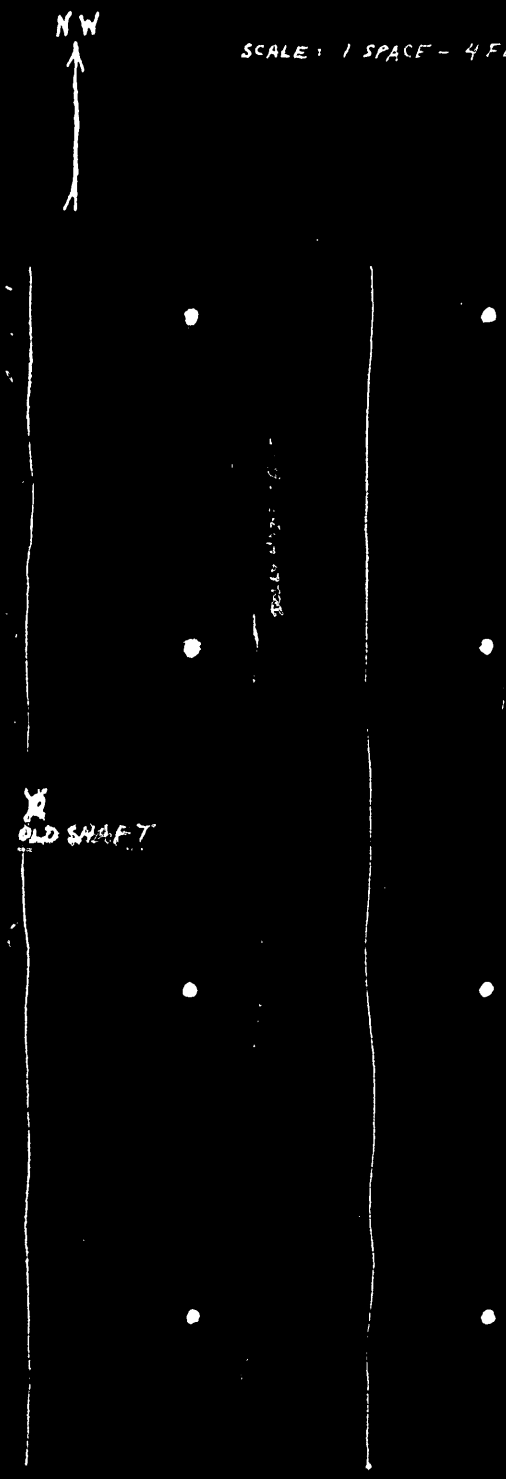
AUG - 1 1956

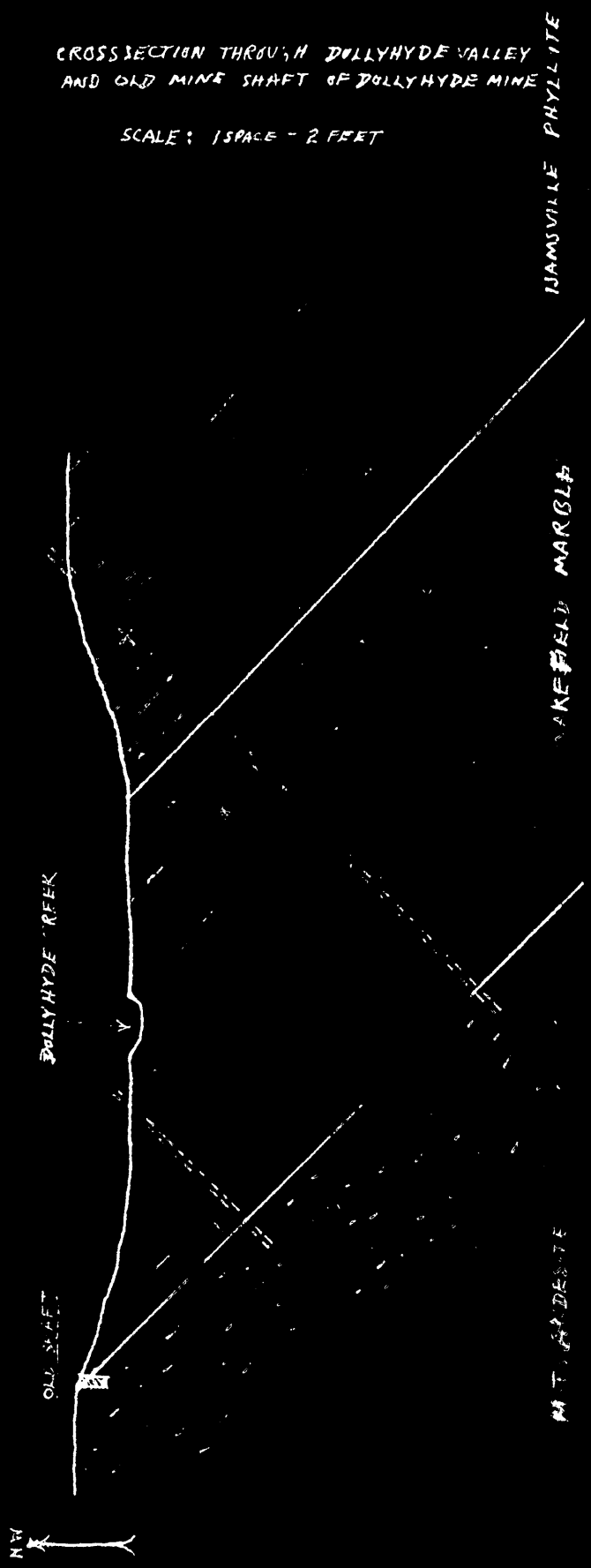
DRILLING PATTERN DESIGNED TO INTERSECT THE MARBLE-META ANDESITE CONTACT ON 100 FOOT CENTERS.

SCALE: 1 SPACE - 4 FEET



CROSSSECTION THROUGH DOLLYHYDE VALLEY AND OLD MINE SHAFT OF DOLLYHYDE MINE

SCALE: 1 SPACE - 2 FEET



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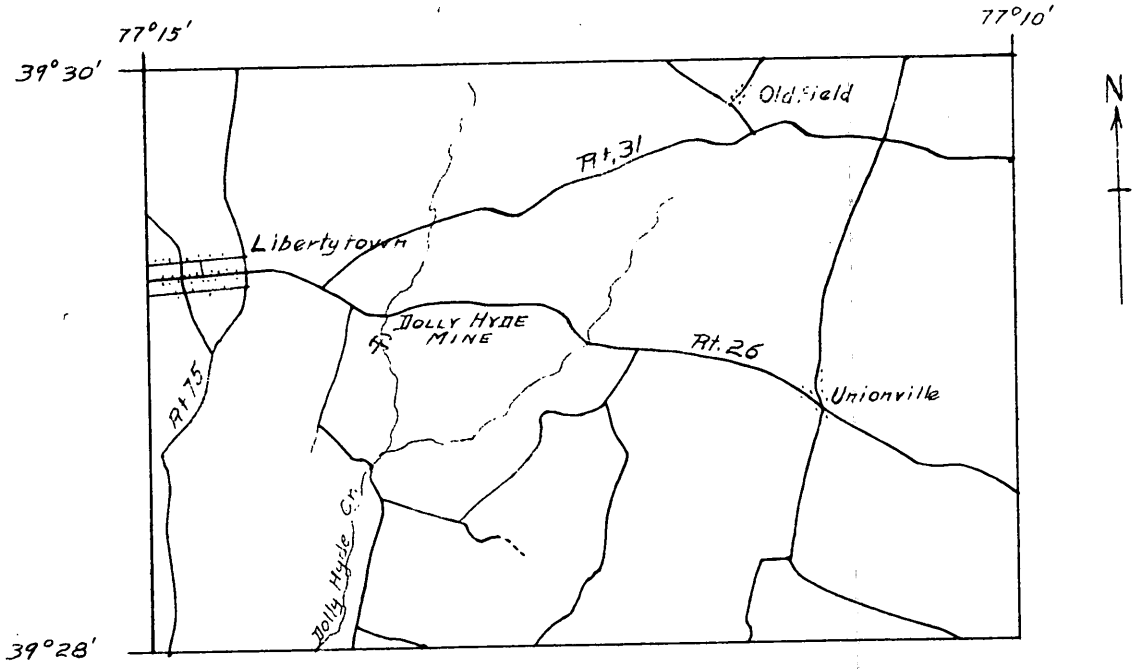
JAN 3 1953

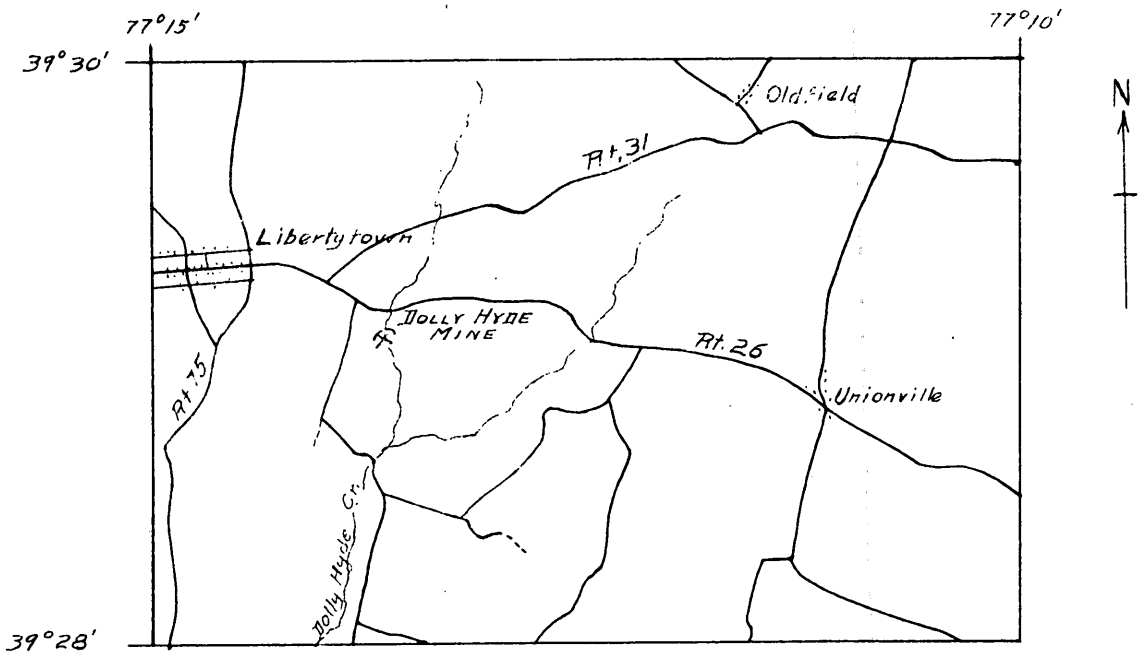


DOLLY HYDE MINE
FREDERICK COUNTY, MD.
DOCKET, DMEA 4111
U.S.G.S. MOUNT AIRY, MD. QUAD.
U.S.B.M. FEB. 1956

0 miles 1

LOCATION MAP

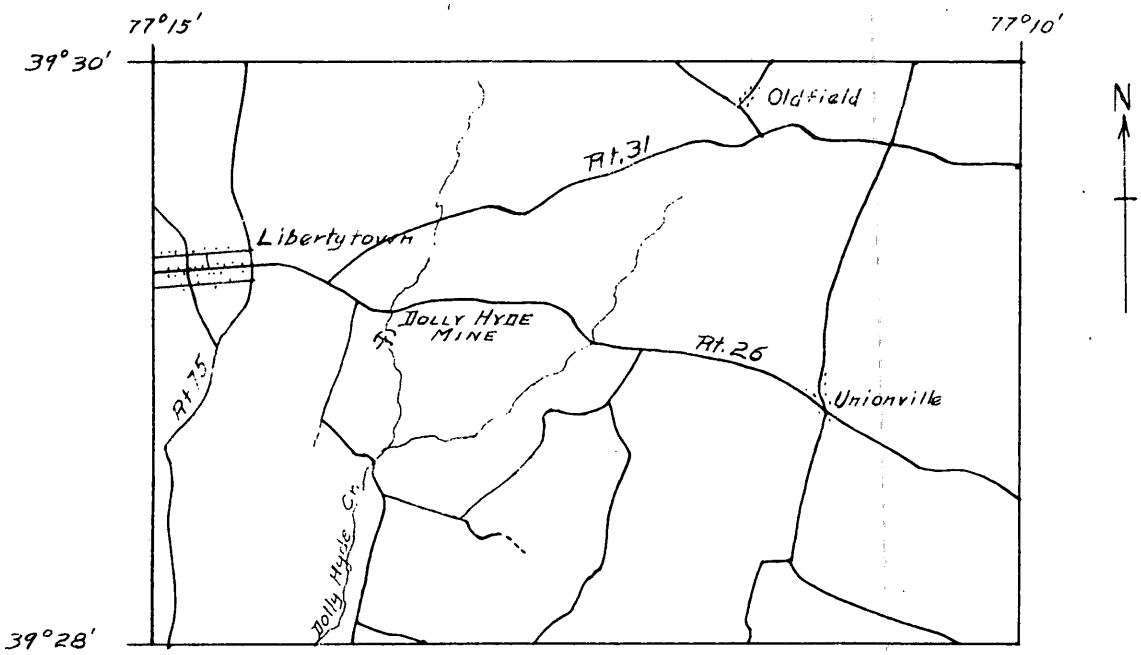
RECEIVED
MAR 19 1953



DOLLY HYDE MINE
FREDERICK COUNTY, MD.
DOCKET, DMEA 4111
U.S.G.S. MOUNT AIRY, MD. QUAD.
U.S.B.M. FEB. 1956

0 miles 1

LOCATION MAP



DOLLY HYDE MINE
FREDERICK COUNTY, MD.
DOCKET, DMEA 4111
U.S.G.S. MOUNT AIRY, MD. QUAD.
U.S.B.M. FEB. 1956

0 miles 1

LOCATION MAP

3 extra copies
of Maps

WASHINGTON 5, D. C.

CONFIDENTIAL

ACCOUNTANTS REPORT

MR. E. ELLIS,
CHIEF, RARE AND MISCELLANEOUS METALS DIVISION
DEFENSE MINERALS EXPLORATION ADMINISTRATION
DEPARTMENT OF THE INTERIOR
WASHINGTON 25, D.C.

FIRST CLASS MAIL

PLEASE DO NOT FOLD

EA Form 7
(8-56)

OFFICIAL FILE COPY

Date	Surname	Code

PROJECT SUMMARY REPORT

By: J. W. Alt August 14, 1957

1. Docket No. DMEA-4111 (Copper)
Contract No. Idm-E966
Property: Dolly Hyde Mine
Frederick County, Maryland

Operator: Parker Mining and Development Company
Pierre E. Parker, President
RFD, Paeonian Springs, Virginia

Operator's Property Rights Lessee
Lease - W. Clinton McSherry, James McSherry, and Marian McSherry. Dated November 23, 1955.
Consent To Lien - Received June 29, 1956

2. Contract dated July 13, 1956. To complete - December 31, 1956.

Work Authorized

Stage I

To drill not to exceed 4 diamond drill holes of not less than BX size and not to exceed 1250 feet of holes.

Stage II

Not to exceed 600 feet of diamond core drilling of not less than BX size.

Estimated Costs of the Project

Stage I

Category (1) Independent Contracts

1250 feet of diamond drilling @ $3.50/ft. $ 4,375.00

Category (3) Operating Materials and Supplies

80 core boxes @ $3.50/box 280.00

8623

Estimated Costs of the Project (cont.)

Stage I (cont.)

Category (7) Miscellaneous

Rental of space for core storage, 2 months @ $10.00/month	$ 20.00
34 samples, assayed for copper, zinc, and lead @ $8.00/sample	272.00
14 samples, assayed for copper, zinc, lead and silver @ $12.00/sample	168.00
Estimated Total Cost of Stage I	$ 5,115.00

Stage II

Category (1) Independent Contracts

600 feet of diamond drilling @ $3.50/ft.	$ 2,100.00

Category (3) Operating Materials and Supplies

38 core boxes @ $3.50/box	133.00

Category (7) Miscellaneous

Rental of space for core storage, 1 month @ $10.00/month	10.00
16 samples assayed for copper, lead, and zinc @ $8.00/sample	128.00
6 samples assayed for copper, zinc, lead and silver @ $12.00/sample	72.00
Estimated Total Cost of Stage II	$ 2,443.00
Estimated Total Cost of Project	$ 7,558.00
Government's participation, 50%	$ 3,779.00

Amendments

No. 1 Dated November 7, 1956.

Delete item 1 of Stage I, and substitute:

1. Five drill holes shall be diamond core drilled in not less than BX size, and the total footage of the five holes shall not exceed 1,250 feet.

Work Completed

Stage I

5 diamond drill holes total 947 feet @ $3.50/ft.	$ 3,314.50
Total Expenditures	$ 3,314.50
Government's participation @ 50%	$1,657.25

Work on the project was started on August 15, 1956 and by mutual agreement was stopped on September 12, 1956.

3. Report of Review (In lieu of final audit), dated November 20, 1956.

Total cost as billed by Contractor	$ 3,314.50
Exceptions	- 0 -
Total accepted cost	$ 3,314.50
Government's participation, 50%	$ 1,657.50

Operator's Final Report - not dated, received October 22, 1956.

Field Team Final Report - dated October 22, 1956.

Termination Agreement - dated October 22, 1956, effective date September 14, 1956.

4. Certification date:

No Certification of Discovery or Development was made as the project was unsuccessful in discovering ore.

5. Comments

Exploration work was accomplished without trouble or delay.

Only holes No. 1 was drilled as laid out by the examiners. The location, bearing and inclination of the remaining four holes were changed in accordance with data obtained as drilling progressed. Core recovery was fair considering the fact that numerous caverns were encountered. No one foot section of core contained sufficient copper mineralization to warrant assay.

No ore was found by the drilling and no structure that might make significant ore is inferred.

The ore mined about the middle of the 19th century at the northwest end of the trough or basin is said to have consisted of copper oxide, malachite and chalcocite. The gangue of the primary ore as shown by numerous lumps and by cores from drill holes No. 3 and No. 4 consists of fractured and brecciated marble. The sulphides, bornite, chalcopyrite and sphalerite, occur principally in or with hairlike quartz veinlets in fractures in the marble.

Considering the geological information gained during this exploration and the fact that no significant mineralization was found by diamond drilling, it is concluded that further exploration of the contract area is not warranted either by private interests or with Government assistance.

J. W. Alt

J. W. Alt

JWAlt/er
Copy to: Docket
Chron.

DMEA Form 17
Feb. 58

DEFENSE MINERALS EXPLORATION ADMINISTRATION

WORK COMPLETED ANALYSIS

After final audit or review report is received, prepare original only and file in official docket

Operator: Parker Mining and Development Company		Actual Cost	X
State: Maryland		Agreed Unit Cost	
Final Report of Audit		Commodity: Copper	Docket No. DMEA-4111
Final Report of Review	x		Contract No. Idm-E966

Operation	Authorized by Contract and Amendments		Completed		Net cost after sale of Government Property
	Units	Cost	Units	Cost	
Drifting & Crosscutting					
Raising					
Shafts					
Winzes					
Drilling (Specify) Diamond (BX) Stages I & II	1,850' @ $3.50	$6,475.00	947'	$3,314.50	$3,314.50
Core Boxes for Stages I & II ~~Surface Excavation~~	118 @ $3.50	413.00			
Rental of Space for Core Storage ~~Underground Excavation~~	3 mos @ $10.00/mo	30.00			
~~Roads and Trails~~					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Assays for Cu,Zn,PB, @ $8.00 50 Underground Rehabilitation Assays		400.00			
New Building, Improvements, etc.					
Assays for Cu., Zn., Pb, & Ag. Other (Specify) 20 Assays @ $12.00		240.00			
Totals		$7,558.00		$3,314.50	* $3,314.50

* Net cost total must agree with final report of audit or review.

Prepared by W. P. Klugescheid/er Date

31398

☒ Audited 11/20/56. WORK ANALYSIS SHEET - DMEA PROJECT ☒ Actual Cost

☐ Certified Analysis as of Rept Yr. ☐ Agreed Unit Costs

Incl. Voucher for AUDIT

Name **PARKER MINING AND DEVELOPMENT COMPANY** Docket No. 4,111

State **MARYLAND** Commodity **COPPER** Idm-E No. 966

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting					
Raising					
Shafts					
~~Winzes~~ Diamond Drilling (BX) Stage II	1,250' @ 3.50	$4,375.00	947'	3,314.50	3,314.50
Drilling (Specify) Diamond (BX) Stage II.	600' @ 3.50	2,100.00			
~~Surface Excavation~~ Stage I - 80 core boxes @ 3.50		280.00			
Stage II - 38 " " " 3.50		133.00			
Underground Excavation		413.00			
Rental of Space for Core Storage Stage I - 2 mos @ * 10.00		20.00			
~~Roads and Trails~~ Stage II - 1 mo @ * 10.00		10.00			
		30.—			
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
assays for Cu, Zn + Pb @ 8.00 Stage I - 34 assays		272.00			
Underground Rehabilitation Stage II - 16 "		128.00			
		400.00			
New Building, Improvements, etc.					
assays for Cu, Zn, Pb + Ag Stage I 14 assays		168.00			
Other (Specify) @ 12.00 Stage II 6 "		72.00			
		~~240.00~~			
Totals		$7,558.00		3,314.50	3,314.50

Checks Audit

Date of contract--July 13, 1956.
*** Indicates an allowable maximum/.**
Amendment No. 1 -- noted.
Termination Agreement--dated October 22, 1957.
Operator's Final Report received October 22, 1956.
Field Team Final Report received December 10, 1956.

Prepared by W. K. Klugescheid

71626

Stage I — * indicates allowable maximum

Independent Contractors

1250' DD (BX) @ 3.50 ✓	4,375.00
80 core boxes @ 3.50 (16' BX core) ✓	280.00
Rental of Space for core storage - 2 mos @ *10.00 ✓	20.00
34 Assays for Cu, Zn and Pb. @ 8.00 ✓	272.00
14 Assays for Cu, Zn, Pb, and Ag @ 12.00 ✓	168.00
Stage II	
600' D.D. (BX) @ 3.50 ✓	2,100.00
38 core boxes @ 3.50 (16' BX core) ✓	133.00
Rental of Space for core storage 1 mo @ *10.00 ✓	10.00
16 Assays for Cu, Zn and Pb. @ 8.00 ✓	128.00
6 Assays for Cu, Zn, Pb, and Ag @ 12.00 ✓	72.00
Total	$7,558.00

Spent. Sept 1957.

Drilling 947' @ 3.50 $3,314.50

November 6, 1957

Memorandum

To: Jay L. Chambers, Director
Division of Contract Administration & Audit

From: Director, Division of Base Metals

Subject: Concluded Projects

The following dockets are closed and no further action remains. No closing letters are being sent due to excessive time lag but please consider them as having been finalized.

Contract No.	Docket No.	Name
Idm-E21	DMEA-1100	United Park City Mines Company
Idm-E279	DMEA-2044	Harry E. Briggs
Idm-E546	DMEA-2856	Newberg Ewes. & Sloan, Inc.
Idm-E709	DMEA-3198	Chesselah Copper Company, Inc.
Idm-E798	DMEA-3396	Yuba Dike Mines, Inc.
Idm-E821	DMEA-3684	Ogle Swingle
Idm-E878	DMEA-3605	Hurst Majors
Idm-E966	DMEA-4111	Parker Mining & Development Company

W. R. Griswold
W. R. Griswold

WRG/er
Copy to: Docket
Adar E File
Mr. Dakan, Code 200
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPORATION ADMINISTRATION
WASHINGTON, D.C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

OFFICIAL FILE COPY
DMEA
RECEIVED APR 19 1957

DATE	INITIALS	CODE
4/19	C	220
4/19	alt	500

April 17, 1957

Dr. Joseph T. Singewald, Jr., Director
Dept. of Geology, Mines & Water Resources
102 Latrobe Hall
The Johns Hopkins University
Baltimore 18, Maryland

Dear Doctor Singewald:

4 111

The one DMEA contract in Maryland was for exploration for copper at the Dolly Hyde Mine in Frederick County. The Operator was Parker Mining and Development Company, Paeonian Springs, Virginia, and the contract was terminated on September 14, 1956.

We are not authorized to divulge results of a DMEA exploration project, but of course the Operator may do so if he wishes. Mr. Pierre S. Parker is the president of Parker Mining and Development Company.

Sincerely yours,

Robert A. Laurence
Executive Officer, DMEA
Region V

RAL/as
cc
Opr. Com. 2
Lynch
Millar
Files

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

December 12, 1956

Memorandum

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

From: Assistant Chief, Branch of Base Metals

Subject: Review of Field Team final report, Docket No. DMEA 4111, Contract Idm-E966 (copper), Parker Mining and Development Co., Dolly Hyde Mine, Frederick County, Maryland

Under this project, five BX-size core holes were drilled, aggregating 947 feet, at a total cost of $3,314.50. The contract between the Government and operator was terminated by mutual agreement effective September 14, 1956.

No ore was found by the drilling and no significant ore was inferred.

I concur with the recommendations of the Field Team that no Certificate of Discovery be made.

J. W. Pennington

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
F. D. Lamb
F i l e s

RECEIVED
DEC 12 1956
D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

n December 4, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Sub ect: Final Report - DMEA-4111, Idm-E966 (copper)
Parker Mining And Development Co. Dolly Hyde Mine,
Frederick County, Maryland

Enclosed are four copies of the subject report.

We are in agreement with the recommendation that certificate of discovery should not be issued.

Robert A. Laurence
Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. Lynch
V. J. LYNCH
MEMBER, BUREAU OF MINES

RECEIVED
DEC 6 1956
DMEA

Reviewed by
DMEA OPERATING COMMITTEE
12-10-56
(date)

FINAL FIELD TEAM REPORT

FINAL REPORT ON TERMINATED CONTRACT

by

H. L. Burmeister and N. E. Nelson[1/]

RECEIVED DEC 1956 DMEA

DMEA Docket No. 4111 (copper)
Contract No. Idm-E966
Operator: Parker Mining & Development Co.
Pierre E. Parker, Pres., R.F.D.Paeonian Spgs.Va.
Property: Dolly Hyde Mine, Frederick County,Md.

Summary

The purpose of this exploration was to determine if significant reserves of copper ore remained on this old mine property. The Dolly Hyde Mine is located in Frederick County, Maryland, approximately 1 mile southeasterly from the village of Libertytown (Location Map). The entire Dolly Hyde farm of 225 acres is under lease to the applicant. The old Dolly Hyde Mine is contained within the 225 acres (Fig.1).

"Consent to Lien" was furnished; there are no mortgages or liens on the property and none of the 225 acres was excluded from participation in the contract.

By contract the exploration work was divided into two stages, entrance into Stage II being dependent upon results obtained in Stage I. Stage I provided for an aggregate total of 1250 ft. of BX-size core drilling in four holes, two of which had definite locations and two had alternate locations dependent upon current results of drilling. Stage II provided for an aggregate total of 600 feet of BX-size core drilling in an unspecified number of holes in unspecified locations.

The unpredictable geologic aspects of this deposit became immediately apparent upon completion of drill hole No. 1. Not even the alternate holes provided for to meet this contingency would satisfy good exploration practice and consequently four holes were altered in various specifications in an attempt to meet changing conditions. Fig.2

Reviewed by
DMEA OPERATING COMMITTEE
12-10-56
(date)

1/ H. L. Burmeister, engineer, U. S. Bureau of Mines
N. E. Nelson, geologist, U. S. Geological Survey

Five BX-size core holes were drilled for an aggregate of 947 feet at a total cost of $3,314.50. It was concluded by both the operator and the Government that no useful purpose would be served by entering Stage II, and therefore the contract was terminated by mutual agreement effective September 14, 1956.

The operator's September progress report has been accepted to serve also as his final report.

This exploration was not successful in finding significant copper mineralization but has provided further geological data on the district. No core was obtained which would justify an assay being made.

*

Conclusions

The body of copper-lead-bearing marble was not 'drilled out', but it is fairly determined that the marble filled trough is shallow and probably little ore was left by the early operators. Old reports suggest shaft depths of perhaps 100 feet were attained. If so they may have bottomed in the volcanic rocks. No new information was obtained concerning the easterly part of the basin. A small amount of bulldozing would determine how much if any ore is left in the northwesterly part of the mine but such work is not recommended. As indicated by the sections on the drill holes, a shallow canoe-shaped basin, the result of folding, is strongly suggested but not proven. Fig. 3.

Considering the geological information gained during this exploration and the fact that no significant mineralization was found by diamond drilling, it is concluded that further exploration of the contract area is not warranted either by private interests or with Government assistance.

* Addition subsequent to completion of report, page 8.

Recommendations

No ore was found by the drilling and no structure that might make significant ore is inferred. Therefore it is recommended that no certification of discovery be made. Production is not economically reasible.

Description of the Work Completed

Work under this contract started Aug. 15, and stopped Sept. 12, 1956 by mutual agreement. An aggregate total of 947 feet of BX-size core hole was drilled in five holes.

Only hole No. 1 was drilled as laid out by the examiners. The location, bearing and inclination of the remaining four holes were changed in accordance with data obtained as drilling progressed (Figs. 2 and 3). Core recovery was fair considering the fact that numerous caverns were encountered. No one foot section of core contained sufficient copper mineralization to warrant assay. Drill hole data is recorded in the following section.

Geology

General

The Dolly Hyde Mine area is underlain by pre-Cambrian marble and metavolcanics, metarhyolite and metabasalt. The marble (Wakefield), in which the ore occurs is an infolded or interbedded body or lens in the metavolcanic rocks. As indicated by drilling, the body of marble, in the mine area, is up to 150 feet wide and 100 feet deep. Two diamond drill holes, No. 3 and No.5, drilled from the marble into the volcanics, crossed the contact in two places. Conformity is indicated as it is at the one outcrop, southeast of the mine, where the two rocks are practically in contact. Fig. 3.

Filled-in pits and dumps suggest most of the mining was done at the northwesterly end of the trough-filling body of marble. By inference the bottom of the trough or basin pitches southeasterly and at diamond drill hole No. 3, 325 feet from the shallow end of the trough, the indicated depth of the basin is about 100 feet. Drill holes Nos. 1, 2 and 4 encountered no marble and tend to confirm the shallow basin concept indicated by holes No. 3 and No. 5.

The cores of holes Nos. 3 and 5 indicate the west or southwest wall of the basin is irregular, swings abruptly or it may be offset by a fault between the two holes. It is possible a well squeezed and twisted interbedded lens of marble is present rather than a shallow infolded lens. Should such be the case the marble bed may twist around the drill holes and extend to a greater depth than now inferred.

No drilling was done east and southeast of hole No. 2. As the map shows, marble crops out to the southeast of the mine. It is unmineralized and may or may not be a part of the body explored. Nothing is known concerning the rocks immediately south of the outcrop of volcanic rocks near the 'old mine building'. As interpreted, marble probably underlies part, perhaps all of the area between the outcrop at the 'old mine building' and the marble-volcanics outcrop 250 feet south.

The Ore Zone

The ore mined about the middle of the 19th century at the northwest end of the trough or basin is said to have consisted of copper oxide, malachite and chalcocite. The gangue of the primary ore as shown by numerous lumps and by cores from drill holes No.3 and No. 5 consists of fractured and brecciated marble. The sulphides, bornite, chalcopyrite and sphalerite, occur principally in or with hairlike quartz veinlets in fractures in the marble.

Little is known as to the quantity of primary ore that may have been mined. From visual inspection no primary - or secondary - ore was encountered in the drill holes. One foot of material in drill hole No. 5 (at about 53 feet) carries bornite and galena, and as judged by eye, is low grade ore. No core was assayed.

Oxides of manganese blacken the dumps where the surface mining was done and considerable was recovered with the core of drill hole No. 5, especially near or from large vugs or mine openings.

The black manganese and brown manganese stain common to the marble drill core probably result from the breakdown of manganiferous marble.

Between 39 and 76½ feet in hole No. 5 only 15½ feet of core was recovered. As interpreted a 10-foot cave or mine opening exists from 65 to 75 feet. From 76½ to 97 feet, 8½ feet of core was recovered. At 97 feet the hole entered the volcanic rock wall.

Hole No. 3 is in marble from bedrock at 27 feet to 128 feet, most of it solid. Scattered specks of bornite and galena occur with the marble.

Diamond Drilling

Diamond Drill Hole No. 1 Direction: N. 63° E. Dip: 45° Depth: 280 ft.

0-20 feet, casing, overburden, no core.

The foliation cuts the core at from 45° to 70° but no synclinal fold such as is suggested by dips of outcropping rocks, is indicated.

Diamond Drill Hole No. 2 Direction: S.20°W. Dip: 45° Depth 271 feet.

0-11 feet casing, overburden, no core.
11-271 feet meta volcanics

Diamond Drill Hole No. 3 Direction: West. Dip: -35° Depth 161 feet

0-27 feet casing, overburden, no core.
27-38 Dense white fine-grained marble with an occasional speck of chalcopyrite and pyrite, manganese dendrites of fracture faces.

Diamond Drill Hole No. 3 continued

38- 40	Two-foot zone of scattered solution cavities, roughly 1/4"x1" openings, fine recrystallized calcite on surfaces. Parallel lines of stylolites roughly inclined 45° to the core hole.
40- 62	White marble with no sign of mineralization.
62- 65	Marble brown from manganese stain
65- 69	Two feet of core missing; opposing ends of core rounded, granular and dark brown, wad adhering to core.
69- 72	Marble, dense, gray, barren of mineralization, closely fractured, breaks normal to core.
72- 73	Greenish, talcy, schistose marble.
73- 79	White to tannish marble.
79- 81	Two feet of core missing, heavy brown staining and wad at opposing ends of core.
81- 94	Normal white marble.
94- 99	Missing, with usual brown staining at ends of core.
99-120	Normal marble.
120-124	Missing, with usual brown staining at ends of core.
124-125	Brown stained marble
125-128	Missing
128-161	Meta-volcanics

When the surface condition of the recovered core material permitted, the marble showed signs of brecciation. On the log, when not indicated as barren, there could be seen an occasional fleck of bornite and malachite staining, usually along a fracture plane. Several minute grains of native copper were observed on a cleavage face.

Diamond Drill Hole No. 4 Direction: West. Dip: -35°. Depth: 128 ft.

0-12 feet	casing, overburden, no core
12-128 "	meta volcanics.

Diamond Drill Hole No. 5 Direction: West. Dip: -35°. Depth: 107 ft.

0-22 feet	casing, overburden, no core.
22-23 "	Marble, brownish from manganese stain, a few specks of galena
23-26 "	Marble, granular, with occasional small masses of bornite, 1/8" in diameter, malachite staining.
26-32 "	Core missing, deep brown staining and wad at opposing core ends.
32-44 "	Marble dense and white.

Diamond Drill Hole No.5 continued

44- 56 Core missing, usual dark staining
56- 64 Marble, white
64- 74 Core missing, usual dark staining
74- 81 Marble, white with rare fracture fillings of bornite and malachite.staining.
81- 94 Core missing, usual dark staining and wad adhering to core ends.
94- 97 Marble heavily fractured; contact with meta-volcanics not recovered.
94-107 Meta-volcanics

Expenditures

Total approved	$7,558.00
Total cost of project	3,314.50
Government's share of cost @ 50%	1,657.25
Government's share unexpended	2,121.75
Value of production	none
Government's royalty	none

No equipment was purchased for this project.

Efficiency of operations and competency of Operator

Exploration work was accomplished without trouble or delay.

The operator's September monthly report covering the entire period of exploration was received at College Park Oct. 1, 1956. The report contained no map, cross-sections, or logs of drill holes. These items are of particular importance due to the fact that with Government permission, four of the five holes drilled departed from contract specifications.

A conference was arranged with the operator for October 4, at which time the inadequacy of the report was pointed out. The report was returned to Mr. Parker for revision and completion. The revised report was some improvement but stilllacked sections on drill holes. The applicant is judged to be capable but indifferent.

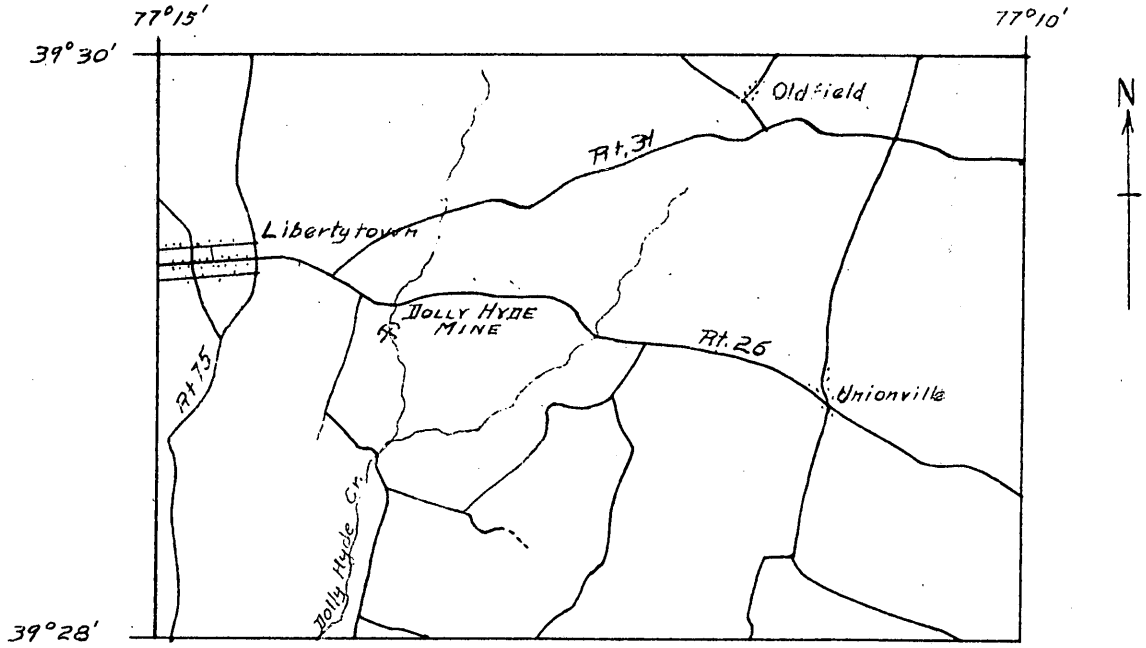
N. E. Nelson, geologist,
Geological Survey

H. L. Burmeister, Mine examination
and exploration engineer,
Bureau of Mines

October 25, 1956.

* This report was held at College Park relative to a possible amendment. Amendment No. 1, signed Nov. 7, 1956, was effective as of the date of the contract, July 13, 1956. The amendment changed the number of holes in Stage I from 4 to 5.

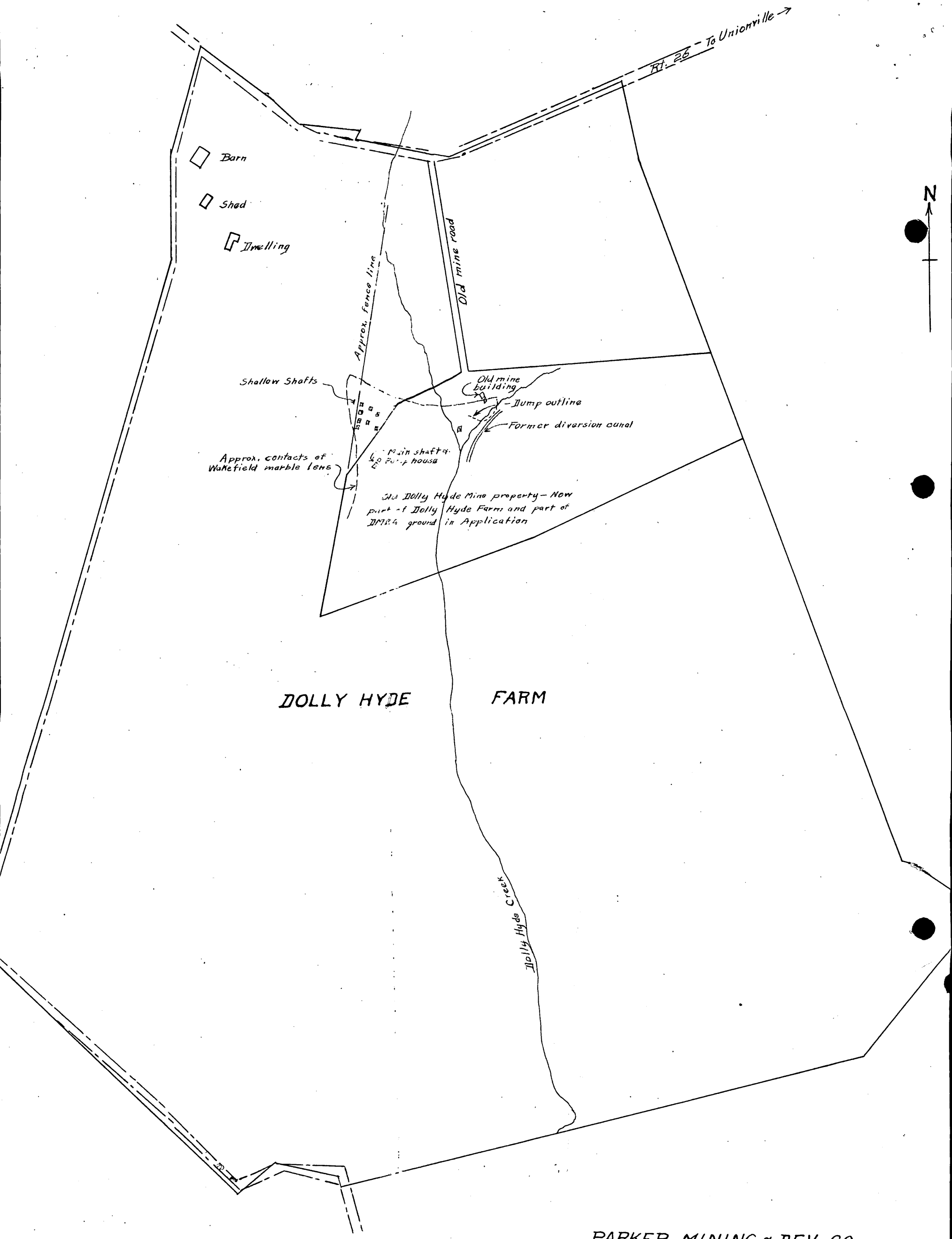
November 30, 1956



DOLLY HYDE MINE
FREDERICK COUNTY, MD.
DOCKET, DMEA 4111
U.S.G.S. MOUNT AIRY, MD. QUAD.
U.S.B.M. FEB. 1956

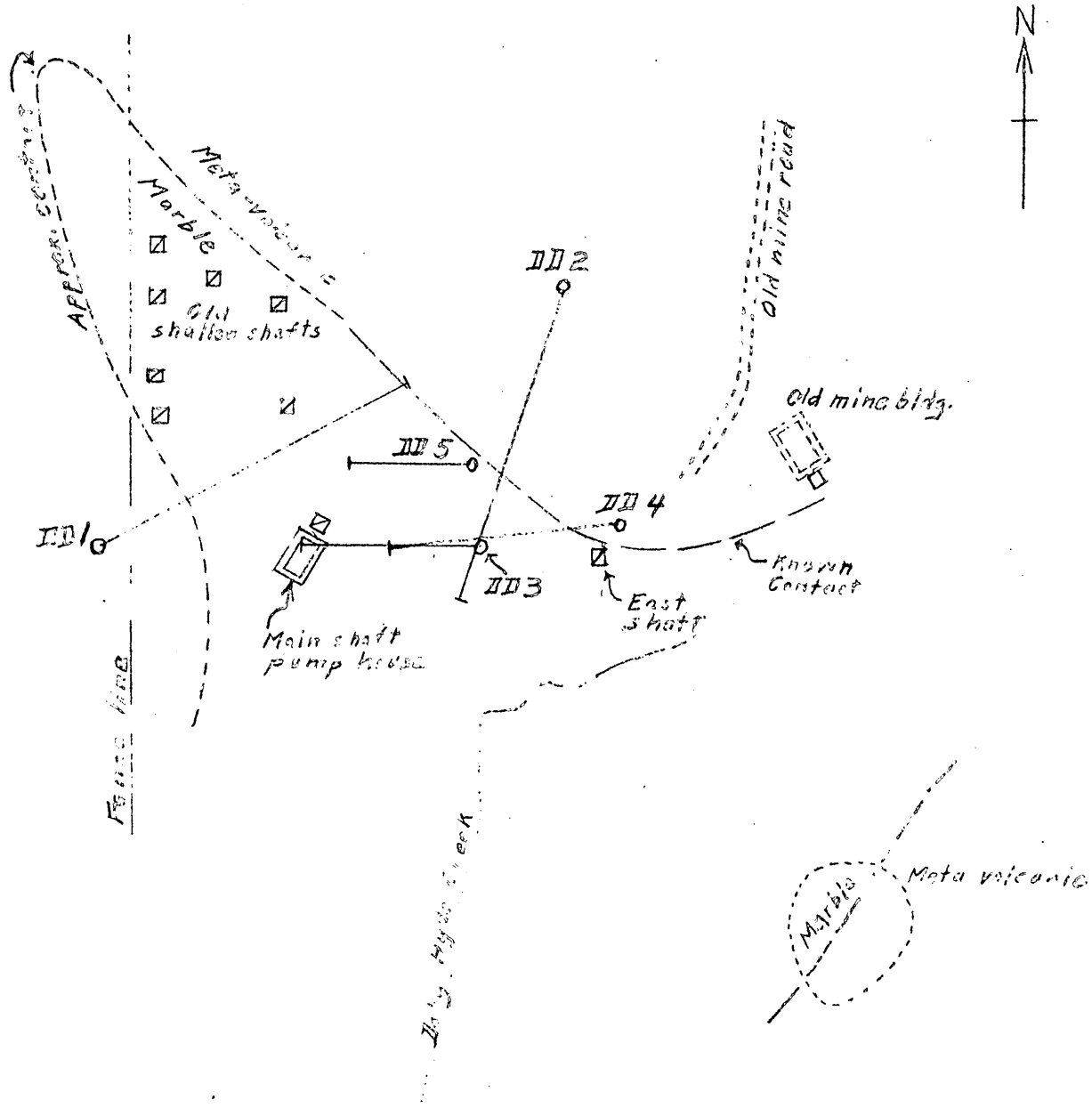
0 miles 1

LOCATION MAP



PARKER MINING & DEV. CO.
DOLLY HYDE MINE - FREDERICK CO. MD.
DOCKET No. DMEA 4111
AFTER APPLICANT'S MAP - WITH ADDITIONS

scale: 1" = 20 ps.



PARKER MINING + DEVELOPMENT CO.

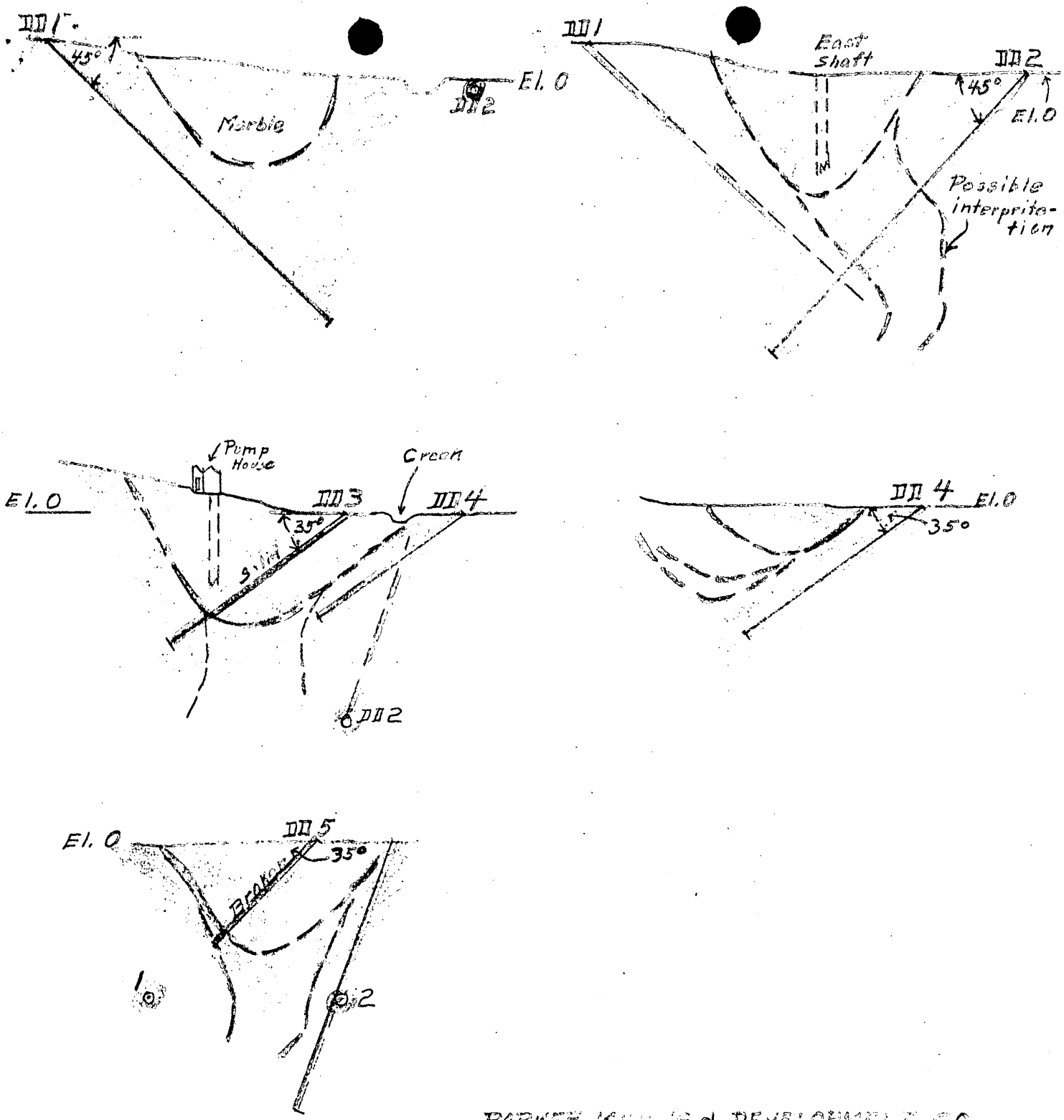
DMEA 4111 Idm-E 966

DOLLY HYDE MINE, FREDERICK CO. MARYLAND

0 inches 1
0 feet 100

FIG. 2

Oct 1956



PARKER MINING & DEVELOPMENT CO.

DMFA 4111 Idm - E 966

DOLLY HYDE MINE, FREDERICK CO. MD.

0 inches 1
0 feet 100

FIG. 3

Oct, 1956

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

WASHINGTON 25, D.C.

RECEIVED
NOV 23 1956
D.M.E.A.

November 20, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tenn.

Subject: Termination Agreement - Idm-E966, DMEA-4111(copper)
Parker Mining & Development Co.,
Dolly Hyde Mine, Frederick County, Maryland

Transmitted are three signed copies of the termination agreement on the subject mine, effective September 14, 1956.

Robert A. Laurence
EXECUTIVE OFFICER
DMEA REGION V

V. J. LYNCH
MEMBER, BUREAU OF MINES
KNOXVILLE 2, TENNESSEE

Talbert

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

NOV 20 1956

Mrs. Helen R. Miller
Administrative Assistant
Bureau of Mines, Region V
P. O. Box 217
Norris, Tennessee

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland
Contract No. Idm-1966

Dear Mrs. Miller:

By memorandum dated November 16, 1956, you requested the issuance of a Report of Review covering the referenced project and for that purpose enclosed the original of the September 1956, MF-104 together with supporting documents.

The Report of Review in lieu of a final audit has been prepared and the original and two copies thereof are being forwarded by a copy of this letter to the Executive Officer, DMEA Field Team, Region V, for release provided the findings have his concurrence. The MF-104 together with attachments are returned herewith.

Your cooperation in this matter is appreciated.

Sincerely yours,

(Signed) E. D. Talbert

E. D. Talbert, Acting Chief
Contract Administration
and Audit Division

Enclosure

EDTalbert/wb
November 20, 1956

Copy to: Docket
Admr. Reading File
Mr. Laurence, Region V
Mr. Griswold
Mr. Chambers
Mr. Talbert

R.G.B.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 1, POST OFFICE BLDG.
KNOXVILLE 2, TENNESSEE

November 16, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: Executive Officer, DMEA - Region V - Knoxville

Subject: Signed Amendment. Idm-E966, DMEA-4111 (copper)
Parker Mining & Development Co. Maryland

Transmitted are three executed copies of the subject amendment. The usual distribution of the other copies has been made by this office.

Robert A. Laurence

Robert A. Laurence

RECEIVED
NOV 19 1956
D.M.E.A.

File Copy
Surname

UNITED STATES 500
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Building
Knoxville, Tennessee

NOV - 7 1956

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland
Contract No. Idm-3966

Dear Mr. Laurence:

We are enclosing the original and five copies of Amendment No. 1 to the cited contract, signed by the Administrator. Also enclosed are two extra copies for the use of the Field Team.

If the amendment meets with your approval, kindly present it to the Operator for approval and signature and, when completed, distribute the copies in the usual manner. In the event that the amendment is not satisfactory and cannot be amended within your delegated authority, return all copies with your recommendation concerning any modification.

Sincerely yours,

George C. Selfridge

Chairman, Operating Committee

Enclosures

APPROVED:

Frank D. Lamb
Member, Bureau of Mines

Thor H. Kiilsgaard
Member, Geological Survey

JWAlt/bjl (11/6/56)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Pennington
Mr. Kiilsgaard
Chron.

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

IN REPLY REFER TO:

RECEIVED NOV 1 1956 D.M.E.A.

October 31, 1956

Re: DMEA 4111, Idm-E
Parker Mining Co.,
Dolly Hyde Mine
Frederick Co., Maryland
Copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Justification for Amendment No. 1 to Contract

Because it was impossible to adequately explore the ore zone at the Dolly Hyde mine with 4 diamond drill holes as specified in the contract, a fifth hole was drilled. The total footage for the 5 holes, 947 feet, was less than the 1,250 feet approved for the 4 holes.

Therefore I recommend that an amendment approving the drilling of 5 holes aggregating not over 1,250 feet, be approved.

N. E. Nelson

N. E. Nelson

File Copy
Surname
J-ell

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

October 31, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Amendment No. 1 for Docket No. DMEA-4111, Parker Mining and Development Company, Dolly Hyde Mine, Frederick County, Maryland, Contract No. Idm-E966, Copper.

Will you please prepare Amendment No. 1 for the cited contract. A draft of this amendment is attached to this memorandum.

Please refer to the teletype from George C. Selfridge to Mr. Robert A. Laurence, Executive Officer, dated October 24, 1956.

W. R. Griswold

W. R. Griswold

Attachment

JWAlt/er
Copy to: Docket
Base Metals
Chron.

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

ROOM 151 POST OFFICE BLDG
KNOXVILLE 2, TENN.

RECEIVED
OCT 29 1956

October 26, 1956

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Executive Officer, DMEA Field Team, Region V

Subject: Docket No. DMEA-4111, Contract Idm-E966 (Copper)
Parker Mining & Development Company
Dolly Hyde Mine, Frederick County, Maryland

Reference is made to Mr. Selfridge's telegram of October 24.

I do not see any need for an amendment. Changes in hole locations were approved by Mr. N. E. Nelson, of the Geological Survey as the Field Team representative. Each revised hole location was based on Parker's and Nelson's interpretation of results of previously completed holes, and was, I think, authorized by the second sentence of Exhibit A, Description of the work. None of the holes exceeded the stated maximum footage.

I will withhold the termination agreement until I hear from you. If you think an amendment is required, please prepare one, using the justification in the preceding paragraph of this letter. Possibly Mr. Nelson can provide additional information, if needed.

In general, I think it unwise to describe hole locations and depths as precisely as they are in this contract.

Robert A. Laurence

Robert A. Laurence

Contract Admin. & Audit Division

Defense Minerals Exploration Admin.

14X4401(01) Revolving Fund, Defense Production Act, Interior (Allocated Working Fund to the Office of the Secretary

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

Talbert

Griswold
Champlin
Selfridge
Mutterdog

TELETYPE

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Building
Knoxville 2, Tennessee

Re DMEA-4111, Idm-2966, Parker Mining & Development Company. Withhold execution of Termination Agreement forwarded by letter October 22, 1956, pending amendment of contract to provide for work actually performed under Stage I. Please forward your recommendation and justification for amendment.

George C. Selfridge

George C. Selfridge (GCS)
Chairman, Operating Committee

EDTalbert/wb
October 24, 1956

Copy to: Docket
Admr. Reading File
Operating Committee
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Mr. Griswold
Mr. Chambers
Confirmation

File Copy
Surname

J. ALD
Finerwald
Chambers
Selfridge
Mitchell

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

OCT 22 1956

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Company
Dolly Hyde Mine
Frederick County, Maryland
Contract No. Idm-E966

Dear Mr. Laurence:

We are enclosing the original and five copies of a Termination Agreement for the cited property, signed by the Administrator. This termination agreement has been prepared in conformance with your memorandum, dated October 8, 1956.

If the termination agreement meets with your approval, kindly present it to the Operator for approval and signature and, when completed, distribute the copies in the usual manner. In the event that the agreement is not satisfactory, and cannot be amended within your delegated authority, return all copies with your recommendation concerning any modification.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

JWAlt/er 10/19/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

Enclosures

APPROVED:

Frank D. Lamb (FDL)
Member, Bureau of Mines

Thor H. Kiilsgaard (THK)
Member, Geological Survey

R.C.S.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 13 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
OCT 22 1956

October 19, 1956

Memorandum

To: Operating Committee, DMEA, Washington, D. C.

From: Field Team, DMEA, Region V, Knoxville, Tennessee

Subject: Docket No. DMEA-4111, Contract Idm-E966 (Copper)
Parker Mining & Development Co., Paeonian Springs, Va.
Dolly Hyde Mine, Frederick County, Maryland

Enclosed are four copies of the Operator's final report on the subject contract. It was submitted as the narrative accompanying his first and only voucher; therefore, we are accepting it as the final engineering and geologic report.

Robert A. Laurence
Robert A. Laurence
Executive Officer

V. J. Lynch
V. J. Lynch
Member, Bureau of Mines

Enclosures 4

RECEIVED
OCT 18 1956
U. S. Geological Survey
Geological Division
Knoxville, Tenn.

RECEIVED
OCT 22 1956

Re: Docket No. DMEA 4111
Contract Idm - E966
Parker Mining and Development Co.
Dolly Hyde Mine, Frederick
County, Maryland

COMPLETION REPORT ON DOLLY HYDE MINE DRILLING PROGRAM

The purpose of this project was to ascertain if a commercial copper sulphide ore body could be found in the Wakefield marble. The possibility of such a find was suggested by the old workings of the Dolly Hyde Mine on the property where, a century ago, a few hundred tons of very high-grade copper had been produced. It appeared probable that these old workings, known to be shallow, were pockets of secondary enrichment lying along the base of the current zone of oxidation, and derived from primary copper mineralization in the limestone itself. It was assumed that the early miners found most of the residual ore but it was hoped that core drilling would find that the primary mineralization in the marble would prove of sufficient tenor to be commercially exploitable.

At the time that the Dolly Hyde Mine was abandoned, about 1855, the technology of ore dressing did not allow of the exploitation of primary ore minerals of a grade possible to us today.

The drilling on the project began August 15, 1956 and was completed September 15, 1956. Five holes in all were drilled, for a total of 947 feet.

Hole 1 having intersected only meta-volcanics, it was agreed between Mr. Nelson of the USGS and Mr. Parker, the project geologist, to drill hole DD4 Alt B. This second hole also cut only meta-volcanics so it was further agreed to drill closer to and at a lower angle in order to find the marble that should underlay the old diggings. It was assumed that the marble must be following the regional dip of about 50° to the East inasmuch as it was not encountered on Hole 1 which went right under the old workings at a 45° angle.

Hole 3 was successful in intersecting the marble although it was found to be only faintly mineralized.

Hole 4 was a step-out from Hole 3 in order to determine the upper contact of the marble and meta-volcanics. This too encountered only meta-volcanics, indicating the marble must either be a small lens with no depth or that the marble was faulted out at around 100 feet depth, or that it was the very bottom of a tight fold.

Hole 5 was again brought in closer to the old workings and it encountered the marble although a narrower section of it than in Hole 3. Again the mineralization was the same as in Hole 3.

The marble appears to be mineralized very slightly and sporadically, wherever intersected, by copper minerals - mostly bornite. One instance each of chalcopyrite, pyrite, native copper and galena was observed. The best six inches of core would not yield 1/2 of 1% Cu, so it was not deemed worthwhileto have any analyses made.

The presence of bornite widely distributed in the marble would suggest a hydrothermal origin for the copper. The assumption that the old mine workings were in small residual shallow pockets of secondary enrichment appears to be confirmed by the drill data. In the literature on the Dolly Hyde Mine there is a reference to a manganese wad filled cavity.

From the tenor of the ore seen in the two drill holes that penetrated the marble, it is concluded that no ore of commercial value may be expected below the zone of oxidation, which in this area is only a matter of a few tens of feet, and therefore further exploration is not justifiable.

Financial

1. Free storage space for core boxes was provided by the landowner.
2. Free core boxes were provided by the drilling contractor.
3. No assay charges were incurred since the cores recovered were not sufficiently mineralized to arouse interest.

Log of Drill Holes

Core Hole #1, dip 45° bearing N63°E
Total length of 280 feet; intersecting only unmineralized meta-volcanics.

Core Hole #2, dip 45° bearing S20°W
Total length of 271 feet; intersecting only unmineralized meta-volcanics.

Core Hole #3, dip 35° bearing West
Total length of 161 feet

0- 27 Overburden
27- 38 Dnese white fine-grained marble with an occasional speck of chalcopyrite and pyrite, manganese dendrites on fracture faces.
38- 40 Two foot zone of scattered solution cavities, roughly 1/4"x1" openings, fine recrystalized calcite on surfaces.
Parallel lines of stylolites roughly inclined 45° to the core hole.
40- 62 White marble with no sign of mineralization
62- 65 Marble brown from manganese stain
65- 69 Two feet of core missing; opposing ends of core rounded, granular and dark brown, wad adhering to core.

Core Hole #3 (contd.)

69- 72 Marble, dense, gray, barren of mineralization, closely fractured, splitting normal to core
72- 73 Greenish, talcy, shistose marble
73- 79 White to tannish marble
79- 81 Two feet of core missing, heavy brown staining and wad at opposing ends of core
81- 94 Normal white marble
94- 99 Missing, with usual brown staining at ends of core
99-120 Normal marble
120-124 Missing, with usual brown staining at ends of core
124-125 Brown stained marble
125-128 Missing
128-161 Meta-volcanics

When the surface condition of the recovered core material permitted, the marble showed signs of brecciation. On the log, when not indicated as barren, there could be seen an occasional fleck of bornite and malachite staining, usually along a fracture plane. Several minute grains of native copper were observed on a cleavage face.

Core Hole #4, dip 35° bearing West

Total length of 128 feet; intersecting only unmineralized meta-volcanics.

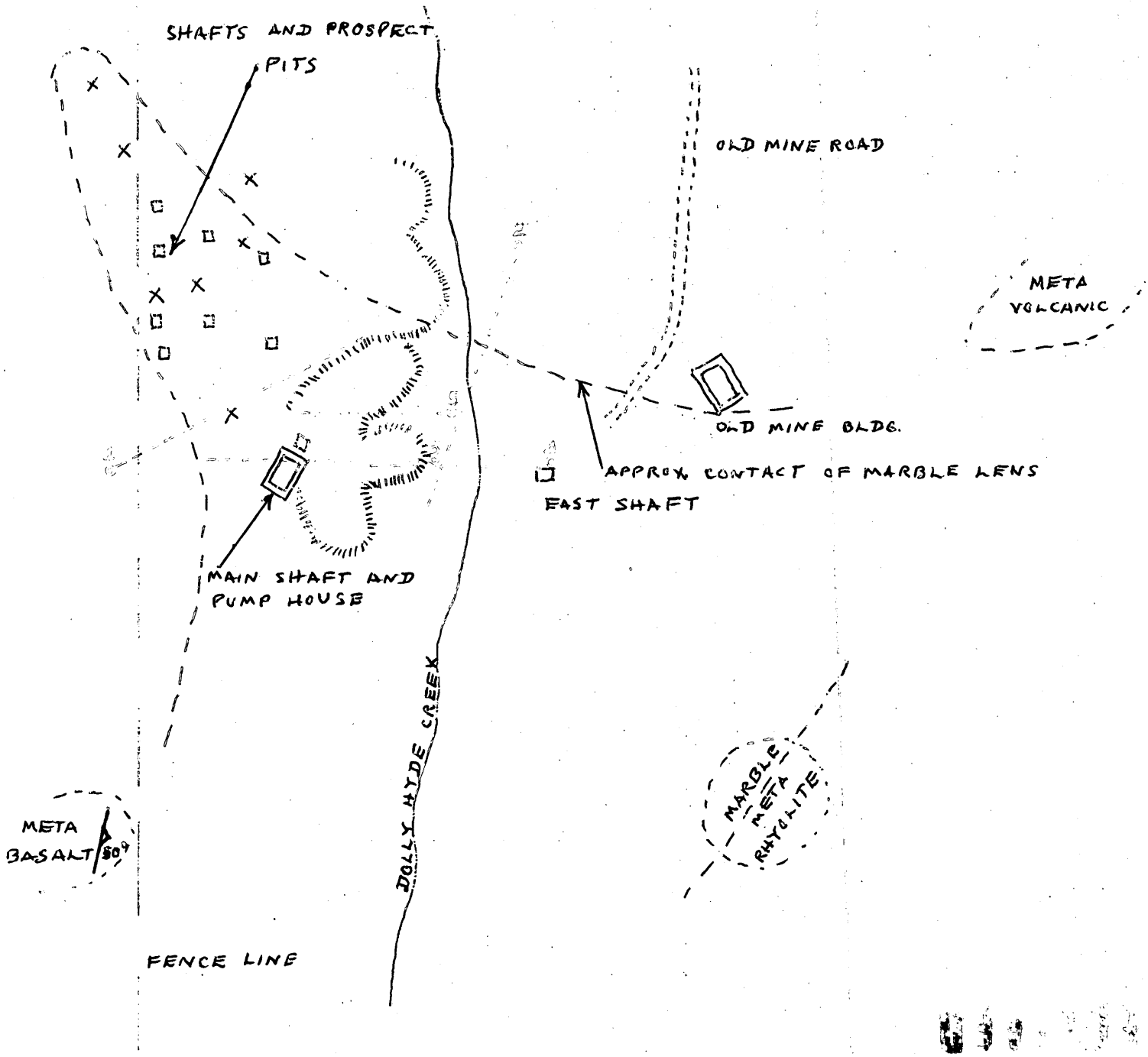
Core Hole #5, dip 35° bearing West

Total length of 107 feet
0- 22 Overburden
22- 23 Marble, brownish from manganese stain, a few specks of galena
23- 26 Marble, granular, with occasional small masses of bornite 1/8" in diameter, malachite staining
26- 32 Core missing, deep brown staining and wad at opposing core ends
32- 44 Marble dense and white
44- 56 Core missing, usual dark staining
56- 64 Marble white
64- 74 Core missing, usual dark staining
74- 81 Marble white with rare fracture fillings of bornite and malachite staining
81- 94 Core missing, usual dark staining and wad adhering to core ends
94- 97 Marble heavily fractured; contact with meta-volcanics not recovered.
97-107 Meta-volcanics

COPY OF MAP OF DOLLY HYDE MINE

PREPARED FOR DOCKET NO. DMEA 4111

SHOWING LOCATION OF HOLES DRILLED WITH PROJECTION OF TRUE HORIZONTAL COMPONENTS SCALE 1 INCH = 100 FEET



RECEIVED
OCT 18 1956
U. . . . . urvey
Geologic Division
Knoxville, Tenn.

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

October 19, 1956

Memorandum

To: The Administrator

From: Chief, Base Metals Division

Subject: Justification for Mutual Termination Agreement for Docket No. DMEA-4111, Parker Mining and Development Company, Dolly Hyde Mine, Frederick County, Maryland, Contract No. Idm-E966, Copper.

Five diamond drill holes (total footage approximately 950 feet) of Stage I of the contract were completed without finding any ore. The drilling was done at a cost of not more than $3.50 per foot. As of this date, we do not have an MF-104 report for the project.

Mr. Ned Nelson, of the Geological Survey, visited the Dolly Hyde project September 12, and reports that:

> "It having been shown fairly conclusively that the northwesterly third of the marble area is a shallow basin and if any ore remains it is small in quantity."

Mr. Nelson recommends termination of the contract, and the Operator agrees.

We are in accord with the Field Team that the contract be mutually terminated. They state that certification will not be recommended.

W. R. Griswold

W. R. Griswold

File Copy
Surname
J. Ace

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

October 11, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Mutaul Termination Agreement for Contract No. Idm-E966, Docket No. DMEA-4111, Parker Mining and Development Company, Dolly Hyde Mine (Copper), Frederick County, Maryland.

Will you please prepare a mutual termination agreement for the cited contract. The effective date of the agreement is September 14, 1956.

Please refer to the memoranda from Robert A. Laurence, Executive Officer, DMEA Field Team, Region I, dated September 25 and October 8, 1956.

Do not include a "pseudo certification" in this termination agreement.

W. R. Briswold

JWAlt/er

Copy to: Docket
Base Metals
Chron.

Cus

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
OCT 10 1956

October 8, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville, Tennessee

Subject: DMEA-4111, Idm-E966 (copper) Parker Mining Co.
Paconian Springs, Va. Dolly Hyde Mine, Frederick County, Md.

Reference is made to our memo of September 25, requesting termination.

Mr. Burmeister writes that the Operator changed his mind and that the termination request was withdrawn, pending an office conference between Mr. Parker and Mr. Burmeister. After that conference, Mr. Parker and Mr. Burmeister are agreed that the contract should be terminated.

We are in agreement, and therefore request that the termination be approved as originally recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Region V

V. J. Lynch
V. J. Lynch, Member
Bureau of Mines

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

500

October 1, 1956

Memorandum for the Files

From: J. W. Alt, Base Metals Division

Subject: Parker Mining and Development Company, Dolly Hyde Mine (Copper), Contract No. Idm-E966, Docket No. DMEA-4111, Frederick County, Maryland

On this date Mr. Burmeister of College Park, Maryland, phoned me regarding the cited contract. He told me that Mr. Parker does not wish to have this contract terminated, but desiresto have a conference with the Field Team with respect to doing more drilling under the terms of the contract.

I told Mr. Burmeister that we had sent a memorandum to our Legal Division this morning requesting them to prepare a mutual termination agreement for this contract. This was done in conformance with the request from Robert Laurence, Executive Officer, DMEA Field Team, Region V. This is contained in the memorandum to the Operating Committee, dated September 25, 1956. I informed Mr. Burmeister that we would recall our memorandum from the Legal Division and would wait for further information from the Field Team as to what action is to be taken.

J. W. Alt

J. W. Alt

JWAlt/er 10/2/56
Copy to: Docket
Base Metals
Chron.

File Copy
Surname
J. Ald

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

October 1, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of mutual termination agreement for Contract No. Idm-E966, Docket No. DMEA-4111, Parker Mining and Development Company, Dolly Hyde Mine (Copper), Frederick County, Maryland.

Will you please prepare a mutual termination agreement for the cited contract. The effective date of the agreement is September 14, 1956.

Please refer to the memorandum to the Operating Committee from Robert A. Laurence, Executive Officer, DMEA Field Team, Region V, dated September 25, 1956.

P.S. Do not include a "pseudo certification" in this termination agreement.

W. R. Griswold

W. R. Griswold

JWAlt/er 10/1/56

Copy to: Docket
Chron.
Base Metals

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON, D. C.
ROOM POST OFFICE BLDG.
KNOXVILLE 2, TENN.

RECEIVED
SEP 27 1956

September 25, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V- Knoxville, Tenn.

Subject: DMEA-4111, Idm-E966 (copper) Parker Mining Co.
Dolly Hyde Mine, Frederick County, Maryland

Mr. Ned Nelson, of the Geological Survey, visited the Dolly Hyde project September 12, and reports that "It having been shown fairly conclusively that the northwesterly third of the marble area is a shallow basin and if any ore remains it is small in quantity." Five holes (total footage, approximately 950) have been completed without finding any ore.

Mr. Nelson recommends termination of the contract, and the Operator agrees; he has already stopped drilling.

Therefore, we request permission to terminate the contract by mutual consent, effective September 14. Certification will not be recommended.

Robert A. Laurence
Robert A. Laurence
Executive Officer, DMEA
Field Team, Region V

Wm. A. Beck
Wm. A. Beck, for V. J. Lynch
Member, Bureau of Mines

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.
ROOM 15 POST OFFICE BLDG.
KNOXVILLE 2, TENN.

August 28, 1956

Mr. Pierre S. Parker, President
Parker Mining & Development Co.
R. F. D.
Paeonian Springs, Virginia

Re: DMEA-4111 - Copper
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Parker:

This will confirm the approval of the plan to drill hole DD 4 Alt. B, instead of 2B or 3, as agreed by you and Mr. Nelson last week. Any similar changes made in the future, on the basis of field agreements with our field examiners will be similarly confirmed, with an amendment to the contract if one is required.

Very truly yours,

Robert A. Laurence
Executive Officer
DMEA Field Team, Region V

RAL/mg
cc
Oper. Admn. (2)
Millar
Nelson
Lynch
File

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM 38 POST OFFICE BLDG
KNOXVILLE 2, TENN.

August 20, 1956

Air Mail

Memorandum

To: Mr. W. T. Millar, Mining Engineer, Bureau of Mines
College Park, Maryland

From: Executive Officer, DMEA Field Team, Region V, Knoxville

Subject: Docket No. DMEA-4111, Contract Idm-E966 (Copper)
Parker Mining & Development Company
Dolly Hyde Mine, Frederick County, Maryland

We have received notice from the Operator that drilling was begun on August 15.

Robert A. Laurence
Executive Officer

RAL/mg
cc
Lynch
files
Operating Committee (2)
Nelson

RECEIVED
AUG 27 1956

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Surname

J. All
Talbot
Martin
Johnson
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UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

AUG - 3 1956

Mr. Robert Laurence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland
Contract No. Idm-E966

Dear Mr. Laurence:

Enclosed are the Field Team and the Finance Office copies of the referenced contract signed by the Operator and the Government.

Sincerely yours,

W. S. Martin 857

ACTING Chairman, Operating Committee

JWAlt/er 8/2/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

Enclosures

APPROVED:

/s/ Robert W. Geohon 857
Member, Bureau of Mines

N. E. Nelson 857
Member, Geological Survey

ELLIS J. SOBOL
ATTORNEY AT LAW
SUITE 516 MILE HIGH CENTER
DENVER 2, COLORADO
AC 2-5793

RECEIVED
AUG - 1 1956

July 31, 1956

4111

Mr. Pierre Parker
Paeonian Springs
Virginia

Dear Sir:

On behalf of Parker Mining and Development Company, a Colorado Corporation, I am enclosing here with five copies of Defense Minerals Exploration Administration contracts.

Very truly yours,

Ellis J. Sobol

Ellis J. Sobol

EJS/db

File Copy
Surname
Chapman
Selfridge
Kilsgaard
McBendon

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

500

JUL 13 1956

Mr. Robert A. Laurence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Bldg.
Knoxville 2, Tennessee

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Laurence:

We are enclosing the original and five copies of a contract for the cited property, signed by the Administrator, together with Annex I, Consent to Lien with Annex I attached, Exhibit "A" (4 pages), and two maps. We are also enclosing two extra copies of Annex I, Exhibit "A", and two maps for the use of the Field Team.

It will be necessary to insert in the contract, in the space provided under Article 3, the date when the Operator shall commence work on the contract.

If the contract meets with your approval, kindly present it to the Applicant for approval and signature and, when completed, distribute the copies in the usual manner. In the event that the contract is not satisfactory, and cannot be amended within your delegated authority, return all copies with your recommendation concerning any modification.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (GCS)

JWAlt/er 7/11/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Chron.

Enclosures

APPROVED:

/s/ Robert W. Geehan (GCS)
Member, Bureau of Mines

N. E. Nelson (GCS)
Member, Geological Survey

P.C.S.

File Copy
Surname
J. ad

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D.C.

JUL 5 - 1956

Miss Helen O. Parker
Assistant Secretary
Parker Mining and Development Co.
RFD, Paconiam Springs, Virginia

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Miss Parker:

This is to acknowledge your letter of June 27, 1956, and to advise you that on June 29 we received the requested information regarding the cited property from Mr. James McSherry.

We will make every attempt to expedite the processing of this application for Government exploration assistance.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

JWAlt/er 7/5/56
Copy to: Docket
~~Admr R File~~
~~Op. Committee~~
Base Metals
~~Mr. Pennington, USBM~~
Mr. Kiilsgaard, USGS
~~Region V (2)~~
~~Chron.~~

File Copy
Surname
J. Alt

500

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

July 3, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Contract for Parker Mining and Development Company, Dolly Hyde Mine (Copper), Docket No. DMEA-4111, Frederick County, Maryland

Will you please prepare a contract for the cited application. A draft of the contract, Exhibit "A", and Annex I are attached to this memorandum. Also attached are the necessary copies of the two maps and five copies of a Consent to Lien with Annex I, Description of Land. A photo copy of Annex I to the Consent to Lien has been made and is attached.

Please refer to the letter from James McSherry, dated June 26, 1956.

Mr. Indritz has studied and worked on the drafts of the contract, Exhibit "A", and Annex I, which were forwarded to your office on April 5, 1956.

W. R. Griswold

W. R. GRISWOLD

JWAlt/bjl

Copy to: Docket
Base Metals
Chron.

RECEIVED
JUL 2 - 1956

RFD, Paeonian Springs, Va.
27 June 1956

Mr. W.R. Griswold, Chief
Base Metals Division
U.S. Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D.C.

RE: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Griswold:

I believe the additional information concerning the Dolly Hyde Mine, which you requested in your recent undated letter, is now in your hands. I spoke to the owner, from whom we lease the property, last Monday evening, June 25, and the necessary information had been sent to you on that date.

Please let us know if there is further information or data which you require, since we are certainly interested in maintaining our application for Government exploration assistance on an active basis.

Sincerely yours,

Helen O. Parker

Helen O. Parker
Assistant Secretary
Parker Mining and Development Company

JAMES McSHERRY
ATTORNEY AT LAW
FREDERICK, MARYLAND
MONUMENT 2-2290

RECEIVED
JUN 29 1956

June 26, 1956

Mr. W. R. Griswold, Chief,
Base Metals Division
United States Department of the Interior
Defense Minerals Exploration Administration
Washington 25, D. C.

Re: Your Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Griswold:

Enclosed is the consent to lien form MF-203 with reference to the above property; a metes and bounds description has been included, and the consent to lien is signed by all of the present owners of the property.

I might add that Mrs. W. Clinton McSherry predeceased Mr. McSherry, and that the word "of" in the lease as referred to in your letter of April 17th, is a typing error and should be "to".

Five copies of the consent to lien form are enclosed.

Yours very truly,

James McSherry

JMcS.S

File Copy
Surname
J. ALD.

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

JUN 25 1956

Mr. Pierre E. Parker, President
Parker Mining & Development Co.
RFD, Paeonian Springs, Virginia

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Parker:

On April 17, 1956, we wrote to you for additional information regarding your application for the cited property. As we have not heard from you since that date, we are desirous of knowing your intent regarding this application.

Please advise us, at your earliest convenience regarding your application for Government exploration assistance. If we do not hear from you within thirty days, we will consider that you are no longer interested, and will place your application in our inactive files.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

JWAlt/er 6/25/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Nilsgaard, USGS
Region V (2)
Chron.

File Copy
Surname
J. ALD.
Indrutz 4/30/56
Rampf

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

APR 30 1956

April 30, 1956

Mr. James McSherry
Attorney At Law
Frederick, Maryland

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. McSherry:

This is to acknowledge and reply to your letter of April 25, 1956. We cannot send you a complete copy of the contract at this time, as we will need the information requested from Mr. Parker in order to prepare a contract for the cited application.

For your information, we are enclosing a blank copy of the contract form. There will be certain attachments to the contract which are: (1) Annex I describing the land subject to the terms of the contract; (2) Exhibit "A" describing the drilling work to be done and the allowable costs for this work; (3) two maps showing the land described in Annex I and where the work is to be done.

No royalties will be due under the contract, nor will any lien be effective on the land unless a discovery of minerals is made and minerals are mined or produced from the land. Even if a discovery is made and production of minerals occurs, the obligation to pay royalty and the lien to secure its payment will both terminate ten years from the date of the contract or when the total contribution by the Government is fully repaid without interest, which ever occurs first.

Sincerely yours,

W. R. Griswold

W. R. Griswold, Chief
Base Metals Division

Enclosure

JWAlt/er 4/30/56
Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Region V, (2)
Chron.
Mr. P. E. Parker

JAMES McSHERRY
ATTORNEY AT LAW
FREDERICK, MARYLAND
MONUMENT 2-2290

RECEIVED
APR 27 1956

April 25, 1956

Mr. W. R. Griswold, Chief,
Base Metals Division
United States Department of the Interior
Washington 25, D. C.

Dockets

Re: Your Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Griswold:

Your letter of the 17th addressed to Mr. Pierre E. Parker, President, Parker Mining and Development Co., has been referred to me.

Before executing the revised consent to lien I would appreciate having a copy of the proposed contract between Parker Mining & Development Company and DMEA. If this is not possible, I would then like permission to strike from the form the words which give to the government consent to lien on the land itself. The other title holders would have no objection to signing the consent if it pertained to the mineral produced only.

The other matters in your letter will, of course, be taken care of.

Yours very truly,

James McSherry

JMcS.S

File Copy
Surname

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

April 17, 1956

Mr. Pierre E. Parker, President
Parker Mining and Development Co.
RFD, Paconian Springs, Virginia

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Parker:

In order to process your application for exploration of the cited property our Legal Division requires the following information:

1. A metes and bounds description of the land since the sketch of the premises which has been furnished does not appear to be tied to any reference point. It is believed that the description may readily be obtained from the County records.

2. The original copy of lease should also be examined to clarify the phrase "Maria Tyler Hayward, widow of W. Clinton McSherry, and his wife" contained in the third paragraph of the copy in our files. The word "of" may be a typing error and should read "to".

3. It is noted that the Consent to Lien is signed by James McSherry for himself and for Marian S. McSherry and W. Clinton McSherry, Jr. Although the foregoing persons are named in the lease as the lessors of the property subject to the proposed contract, we have nothing to indicate the authority by which James McSherry signed for his co-lessors. He should either supply a Power of Attorney or other indication of authority, or the Consent to Lien should be signed by each of the owners.

4. It is also noted, from the copy of the lease supplied by you, that although the premises apparently were acquired by W. Clinton McSherry and his wife from Maria Tyler Hayward, Mrs. W. Clinton McSherry is not named as a lessor. It should be determined that Mrs. W. Clinton McSherry is not a necessary party to the lease.

5. In the event the Consent to Lien is re-executed, it is suggested that the description of land be included.

We are enclosing six copies of the Consent to Lien forms.

To expedite the processing of your application, we would appreciate receiving the above information at your earliest convenience.

Sincerely yours,

W. R. Griswold

W. R. GRISWOLD, Chief
Base Metals Division

Enclosures

JWAlt/er
WRG/er

Copy to: Docket
Admr R File
Op. Committee
Base Metals
Mr. Pennington, USBM
Mr. Kiilsgaard, USGS
Region V, (2)
Chron.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF THE SOLICITOR
WASHINGTON 25, D. C.

APR 13 1956

Memorandum

To: Administrator, DMEA
Attention: Chief, Base Metals Division

From: Associate Solicitor, Division of Mineral Resources

Subject: Preparation of Contract for Parker Mining and Development Company, Dolly Hyde Mine (Copper), Docket No. DMEA-4111, Frederick County, Maryland

As discussed with Mr. Alt, we are returning the subject docket and request that the following information be supplied:

1. A metes and bounds description of the land for incorporation in Annex I, since the sketch of the premises which has been furnished, does not appear to be tied to any reference point. It is believed that the description may readily be obtained from the County records.

2. Applicant's original copy of lease should also be examined to clarify the phrase "Maria Tyler Hayward, widow of W. Clinton McSherry, and his wife" contained in the third paragraph of the docket copy. The word "of" may be a typing error and should read "to."

3. It is noted that the Consent to Lien is signed by James McSherry for himself and for Marian S. McSherry and W. Clinton McSherry, Jr. Although the foregoing persons are named in the lease as the lessors of the property subject to the proposed Contract, the file does not indicate the authority by which James McSherry signed for his co-lessors. He should either supply a Power of Attorney or other indication of authority, or the Consent to Lien should be signed by each of the owners.

It is also noted, from the copy of the lease supplied by the applicant, that although the premises apparently were acquired by W. Clinton McSherry and his wife from Maria Tyler Hayward, Mrs. W. Clinton McSherry is not named as a lessor. Inquiry should be made of applicant to determine that Mrs. W. Clinton McSherry is not a necessary party to the lease.

In the event the Consent to Lien is re-executed, it is suggested that the description to be obtained for Annex I also be included in the Consent to Lien.

It is also suggested that the exterior boundaries of the area included in the contract be marked in color or otherwise on the map to facilitate identification of the area.

Robert P. Dwyer

Robert P. Dwyer

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

April 12, 1956

Memorandum

To: Jacob W. Alt, Room 4444, Interior Building

From: H. L. Burmeister, Bureau of Mines, College Park, Md.

Subject: Docket No. DMEA-4111 (copper) - Dolly Hyde Mine, Frederick County, Maryland

Herewith are the prints for the above report which you requested.

H. L. Burmeister

H. L. Burmeister

Enclosures

File C
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g.m

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

April 5, 1956

Memorandum

To: Associate Solicitor, Division of Mineral Resources

From: Chief, Base Metals Division

Subject: Preparation of Contract for Parker Mining and Development Company, Dolly Hyde Mine (Copper), Docket No. DMEA-4111, Frederick County, Maryland.

Will you please prepare a contract for the cited application. A draft of the contract, Exhibit "A", and Annex I are attached to this memorandum. Also attached are four copies of the Consent to Lien.

The necessary copies of the maps for the copies of the contracts will be delivered to your office in a few days.

W. R. Griswold

W. R. Griswold

JWAlt/er

Copy to: Docket
~~XXXX~~ Base Metals
Chron.

P.S. The following statment in the third paragraph of the lsase (page 1) is confusing to us: "as described in deed from Maria Tyler Hayward, widow of W. Clinton McSherry, and his wife, dated Feb. 7, 1940..."

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION 500
WASHINGTON 25, D. C.

April 4, 1956

Memorandum for the Files

From: J. W. Alt, Base Metals Division

Subject: Parker Mining and Development Company, Dolly Hyde Mine, (Copper), Docket No. DMEA-4111, Frederick County, Maryland

On this date, I phoned W. T. Millar, College Park, Maryland, and told him that in order to process the cited application, we would need a property map showing the location of the proposed drill holes. The map accompaning their report, indicating the location of the proposed drill holes does not tie it in with the property map submitted with the application. From the map submitted with the Field Team report there is no way to locate these holes on the Applicant's property map. Mr. Millar said he would supply the requested map.

I pointed out to Mr. Millar that, on page 14 of the Field Team report under "Allowable Costs of Project", the items of analyses for copper, zinc, lead @ $8.00 and for copper, zinc, lead and silver @ $12.00 are excessively high and that we think these should be greatly reduced. In the western regions we are allowing an average of $3.50 per sample for three determinations. It was agreed to allow $4.00 per sample for three determinations and $5.00 for four determinations.

Later Mr. Millar phoned to ask if he could borrow our docket for the cited application. I told him that we could not send our docket but would endeavor to send him the Bureau of Mines Docket. I borrowed the docket from J. W. Pennington, Bureau of Mines and sent it to Mr. Millar with instructions to return it to Mr. Pennington.

In this later conversation, Mr. Millar objected to lowering the allowances for analyses and recommended the costs as proposed by the Field Team. He contends that these are recognized and approved costs in the East and to send these samples to Western laboratories would delay the work of Stage II; there is only a small amount of drilling to be done under this stage and the drilling contractor would not keep his equipment on the property until the assay determinations would be received from the west.

J. W. Alt

J. W. Alt

JWAlt/er
Copy to: Docket
Base Metals
Chron.

IN REPLY REFER TO:

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

March 29, 1956

Re: DMEA 4111
Parker Mining and Devel. Company
Dolly Hyde mine
Frederick Co., Maryland
Requested $3,990.00)
Recommended $7,903.00) Copper

Memorandum

To: W. R. Griswold, Defense Mineral Exploration Administration

From: T. H. Kiilsgaard, U. S. Geological Survey

Subject: Review of application

The applicant requested assistance in exploring at depth, by diamond drilling, a copper deposit, the basis of an early mining operation.

The work proposed by the applicant consists of 1140 feet of drilling at an estimated cost of $3,990.00.

The examiners and Field Team recommend an alternate 2 stage work program consisting of:

Stage I		
Diamond drilling 1250 ft.	$4,375.00	
Core boxes, analyses etc.	973.75	
Total		$5,348.75
Stage II		
Drilling 600 feet	2,100.00	
Core boxes etc.	455.00	
Total		2,555.00
Totals Stages I and II		$7,903.90

I concur with the recommendation of the examiners and the Field Team.

T. H. Kiilsgaard

T. H. Kiilsgaard

RECEIVED
MAR 30 1956

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

RECEIVED
MAR 23 1956

March 22, 1956

Memorandum

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

From: J. W. Pennington, Branch of Base Metals

Subject: Review of Field Team Examination Report, Docket No. DMEA 4111 (copper), Parker Mining and Development Company, Inc., Dolly Hyde Mine, Frederick County, Maryland

The examiner's alternate proposal to explore the Dolly Hyde mine appears reasonable and sound. Exploration would be done by drilling in two stages with the second stage being dependent upon the results of the first stage.

No. 1 stage would consist of 5 holes aggregating 1,250 feet at an estimated cost of $5,348.75. Stage 2 would consist of 2 holes totaling 600 feet at a cost of $2,555.15. Total costs estimated for both stages are $7,903.90.

Although the discovery of a large copper deposit is not anticipated to result from the exploration, the discovery of a minable one may assist in the development of other occurrences in the district.

I recommend approval of the exploration program as outlined in the Field Team Examination Report.

J. W. Pennington

Copy to: Division of Minerals
Branch of Base Metals (2)
Thor Kiilsgaard, U.S.G.S.
R. W. Geehan
F i l e s

all Betty

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
ROOM POST OFFICE BLDG.
WASHINGTON 25, D.C.
KNOXVILLE 2, TENN.

RECEIVED
MAR 19 1956

ON Site Report.

March 16, 1956

Memorandum

To: Operating Committee, DMEA - Washington

From: DMEA Field Team, Region V - Knoxville

Subject: Docket No. DMEA-4111 - copper, Parker Mining & Development Company, Inc. Virginia, Applicant.
Dolly Hyde Mine, Frederick County, Maryland

Enclosed are the original and three copies of the subject Field Examination report.

The Field Team is in agreement with the recommendations of the field examiners.

We believe that the estimated costs of the project are reasonable. While the cost of diamond drilling is not based on competative bids, $3.50 per foot for BX core is not unreasonable especially when the low maximum footage is considered.

Robert A. Laurence

Robert A. Laurence,
Executive Officer, DMEA
Region V

V. J. Lynch

V. J. Lynch, Member
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
3-23-56
(date)

REPORT OF FIELD EXAMINATION

by

Allen V. Heyl, N. E. Nelson
and H. L. Burmeister 1/

DMEA Docket No. 4111 (Copper)

RECEIVED
MAR 19 1956

Parker Mining and Development Company, Inc.
Pierre E. Parker, President
R.F.D. Paeonian Springs, Va.

- Summary -

The Dolly Hyde mine property was examined on February 13, 1956 by Field Team representatives H. L. Burmeister, Allen V. Heyl, and N.E. Nelson in company with the Applicant, Mr. Pierre E. Parker. The examiners spent fifteen man-hours on the property. Geologic data obtained by Mr. Heyl during an unrelated study in 1955 was of great assistance.

All visible workings are completely caved and all available information indicates that subsurface workings are in the same condition. Surface pits and shallow shafts were dug in manganiferous earth containing considerable quantities of malachite and chalcocite. The main underground workings are in marble and consist of two shafts, several short shallow drifts and a few small stopes.

The known ore occurs in a brecciated, crescent-shaped marble lens which is itself enclosed by metarhyolite and metabasalt. The marble lens is mineralized by bornite, chalcopyrite, some chalcosite and locally colorless sphalerite and argentiferous galena. Presently available information indicates that mining was not suspended by ore depletion but rather the lack of modern pumping equipment.

Visible contacts between the ore-bearing marble and the metarhyolite or metabasalt are extremely few and difficult of interpretation.

1/ Allen V. Heyl and N. E. Nelson, Geological Survey, H. L. Burmeister, Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE
3-23-56
(date)

It is believed that the Applicant's interpretation of contacts was in error and that the examiners' map and sections more nearly represent the true conditions.

The Applicant's cost structure was changed to include several items believed to be in the Government's interest. Only one bid was received for contract drilling.

- Conclusions -

Available geological data indicate that the exploration program here outlined may develop a substantial but probably not large tonnage of economic copper mineralization. If minable ore is developed at this property it may well indicate the possibility of further production from comparable occurrences in the district.

The single drilling bid submitted was from a responsible contractor at a very reasonable rate and should be accepted.

- Recommendations -

On the basis of the above conclusions it is recommended that this application be approved subject to the specifications of drilling plan and costs as outlined in this report of examination.

- Name and Location of Property -

The Dolly Hyde mine is located in the Linganore Copper District of Frederick County, Maryland. To reach the property from Libertytown, Md. proceed eastward on Rt. 26 approximately one-half mile to its junction with Rt. 31. Continue eastward on Rt. 26 a distance of 0.15 mile to a black-top country road entering from the south. Follow the country road south for 150 yards to a farmhouse on the left. The mine lies approximately 0.2 mile eastward along a farm equipment road from the farmhouse. The farm equipment road is the only portion of the approach not paved and in year-round condition.

- Competency of Applicant -

Mr. Parker states in his application that he is a graduate geologist of the University of California and that he has been employed as a geologist by various concerns. Mr. Parker also states that he is now and has been for several years past a producer of uranium ores on the Colorado plateau. The financial responsibility of the applicant was not investigated.

- Applicant's Property Rights -

The Applicant holds under lease the mineral rights and right of entry to the approximately 225 acres of land comprising the Dolly Hyde Farm. The lease is dated Nov. 23,1955 and runs for 10 years from that date. The engineer was not furnished with a copy of "Consent to Lien" but was assured by the operator that the required number of copies had been submitted to the Washington office as a part of his application. The applicant also states that to the best of his knowledge there are no mortgages or liens on the property.

None of the 225 acres comprising the Dolly Hyde Farm and held under lease by the Applicant is excluded by the Applicant from inclusion in an exploration contract and subject to royalty payments to the Government (Applicant's property map).

- Description of Property -

No useful surface facilities remain on the property. The walls of a stone cornish walking-beam pumphouse remain to the southwest of the main shaft (fig.1) and the foundation of a similar stone building also to the east across the valley.

All maps and mining records on the property were destroyed in recent years by the son of the last mine operator according to Mr. Parker.

Therefore, the only known information of the mine workings are fragmentary descriptions in several published reports. Figure 1 is a map of the existing surface workings. No outcrops of ore are exposed so that no representative samples of the ore could be taken.

The Dolly Hyde mine consists of two groups of workings (fig. 1):

(1) The oldest group is a cluster of shallow shafts and pits in the northwestern part of the mine area. These workings are probably those begun by the Coales, who discovered the deposit in 1839. They were later operated by Isaac Tyson in the period between 1845 and 1853. They are reported to consist of shallow shafts 20 to 40 feet deep in malachite- and chalcocite-bearing manganiferous earth. Similar mining elsewhere, and the present surface appearance of this part of the area, suggest that nearly all of the copper-rich earth between these pits and shafts was mined by shallow drifts and stopes which were later allowed to cave.

(2) The main workings consist of two shafts into unweathered marble, one to the east of the creek in the valley flat and the other, now filled (1955), west of the creek at the northeast end of the old stone pumphouse ruin. According to Singewald (1946, p.156), these shafts are no more than a few tens of feet deep. Although the depths are not known, the size of the dumps suggest that they are not more than 100 feet deep, and that the one to the east of the creek was probably much less. One 1853 report says the workings were 25 to 45 feet deep, but a prospectus illustration (Jackson, 1853) in the same year shows a 70-foot shaft from the bottom of which extends a short level.

Most probably the shaft illustrated is the main shaft at the pumphouse and the shaft was not extended later much below this depth. However, plans were being made (Jackson, 1853) to deepen this shaft in 1853 to a depth of 120 feet, but there is no further record except that the mine was probably drowned out while sinking the shafts deeper. Therefore, the deepest workings are probably above 120 feet, and the volume of rock on the main shaft dump suggests that it is no more than 100 feet deep. Some time between 1846 and 1853 a level was driven from one of these two shafts, probably from the shaft on the east side of the creek. This level was driven in an easterly direction at a depth of 20 feet below the surface for a length of 55 feet and to a width of 5 feet. Undoubtedly, other old drifts and stopes were made at shallow depths.

The Applicant's map shows the present property lines which include the former holdings of the Dolly Hyde Copper Company that last produced ore in the eighteen fifties. The workings are located approximately at the center of the Dolly Hyde Company's property.

- Geology -

The Dolly Hyde deposit is in a lens of slightly brecciated fine-grained Wakefield marble. According to Jackson (1853) and observations in the field, the lens is about 100 to 300 feet wide, forms a Y that opens westward. The east arm of this Y-shaped body strikes N. 70°-75° E. and dips 45 to 50 degrees to the south. The northwest arm strikes N.30°W. and dips steeply westward. The broad south arm strikes nearly south and dips eastward. Quite possibly this Y-shaped lens is at the nose of a southward-plunging anticline. The marble is white where mined, but gray

at the single exposure to the southeast of the mine (fig.1). The original marble was probably fine grained and saccharoidal in texture, but locally dolomite in coarser grains and manganese as manfaniferous calcite has replaced it, possibly in the early stages of mineralization.

The marble is surrounded by and is in part interbedded with purple and gray metarhyolite, and greenish-gray basalt and tuffs. Metarhyolite is most abundant to the north and southeast of the marble lens and metabasalt is most abundant to the west, although all three lithologies are found on all sides. The available outcrops indicate that the wall rocks strike and dip generally parallel to the lens, but not enough outcrops are available to determine the configuration of the lens and its contacts with any certainty.

The northwest arm of the lens appears to dip southwestward from the available outcrops. However, old reports indicate that this part dips northeastward. Drilling alone can determine the actual dip in this arm.

- Ore Deposits -

The known mineralized rock is confined to the full width of the northwest arm (about 70 to 100 feet) of the lens and to the junction area of the three arms in the valley flat. The ore body appears to form a crescent-shaped body within 120 feet of the northerly edge of the marble lens and following it. The old workings, waste rock, and available outcrops suggest that much of this crescent-shaped lens is mineralized. The lens is about 300 to 400 feet long and up to 120 feet wide. It is mineralized with a low-grade ore body of bornite, chalcopyrite, and more locally, argentiferous galena and colorless sphalerite. The ore is fine grained and is deposited in crackle-brecciated marble as:

1. Small very irregular replacement veinlets.
2. Clusters and bands of minute replacement crystals.
3. Veinlets filling small fractures and cementing breccia fragments.

Most of the fracturing is pre-ore in age, but a little post-ore fracturing was noted. Richer bands or veins of ore may exist northwest of the main shaft. These veins appear to strike north and extend for 30 to 100 feet in an echelon pattern across the marble lens at intervals of about 30 feet. Jackson (1853) reports that mineralization was richest in the area near and between the two main shafts. At the eastern end of the mine workings argentiferous galena was abundant. Whitney (1853) states that the available descriptions indicate that "there is no vein here, but a broad band of crystalline limestone, which, where best developed, is 100 feet thick, and contains numerous segregated parallel layers of ore ..."

The ore body, although described and mined as a copper deposit, is more strictly a silver-bearing copper, lead, and zinc deposit. The ore contains enough copper and silver to be recoverable as is shown by the recorded production of the nearby New London and Liberty mines. The presence of argentiferous galena, in addition to the copper minerals at the other mines, suggests that the ores at the Dolly Hyde are richer in silver than at the other mines, although no silver assays of the ore are known. The pure galena may carry as much as 45 ounces of silver to the ton (Whitney, 1854, p. 318), but the average quantity in the ore is probably very much less. The presence of sphalerite in the ores was not previously known until detected in 1955 by the Survey examiner in the dump rock. The fine-grained and colorless habit of the sphalerite makes any estimate of its abundance in the ore a pure guess before drilling, sampling and assaying.

But its presence should be very carefully watched for in the drill cores, to determine if it is in commercial quantities.

- Reserves -

Geologically the deposit could contain a small to sizeable tonnage of low-grade silver-bearing copper sulfide ore with possibly some recoverable lead and zinc. Not enough information is obtainable from the outcrops, mine dumps, or old reports to justify any estimate of ore reserves. The nearby New London and Liberty copper mines, which are geologically similar, were commercially successful mines for considerable periods of time, and since 1900, the New London and Liberty mines produced more than 600,000 pounds of copper and 2,400 ounces of silver. The largest ore body that can be expected is a crescent-shaped breccia and replacement lens up to 400 feet long and up to 100 feet wide in its central area. Probably the ore body is considerably smaller than these maximum possible dimensions. The most probable elongation is down the southward dip of the marble lens. The average total metal content will probably not exceed several percent of combined copper, lead, zinc and silver, but after fine grinding should make an easily concentrated ore because of the marble host rock and rarity of pyrite. A hundred-ton Hardinge pebble mill, trommels and slime tables successfully recovered the New London ore before 1920.

If the ore body is not just a few scattered veins but a larger mineralized deposit that continues down the dip of the marble lens, then the deposit probably has some future as a small base-metal mine. The above possibilities, plus the fact that no modern exploration has been done, warrants a judicious small exploration program as outlined by the examiners to determine the extent and grade of the deposit.

- Past Operations -

The deposit was discovered in 1839 and worked fairly continuously until 1855, first by the Coale brothers, then Isacc Tyson, and then the Dolly Hyde Copper Company. A recorded total of 12,480 pounds of metallic copper was produced, much of it from copper-bearing manganiferous earth above a 40-foot depth. In 1840 Richard Coale produced 60 to 80 tons of washed concentrates that Ducatel (1841) estimated would yield 25 to 30 percent copper. However, the average grade of the oxide ore concentrates was between 10 ans 23 percent copper. The last operations produced sulfide ores, the average grade of which is not known, but the richest ore was estimated by the mine captain to contain 18 to 20 percent copper.

Sixty years later, a brief but unsuccessful attempt to reopen the mine was made by the United Milling and Smelting Company. All that is known is that they started to retimber the main shaft. Apparently the work was stopped almost as soon as it was started.

- Availability of Manpower, Supplies, Power, etc. -

Manpower or wages are not of consequence in the exploration project as no personnel will be employed. If mining should result it might be possible to find underground men from among those presently employed in quarries in the vicinity. Supplies and equipment could be readily obtained from Baltimore, 30 miles to the southeast on Rt. 26. Electricity at 440 volts is connected at the farm building. Water is available from Dolly Hyde creek, a year-around stream at present six feet wide and eight inches deep.

- Applicant's Proposal -

A plan and cross-sectional sketch accompanying the application indicate that Mr. Parker assumed the western contact of metabasalt and marble to have a fairly constant dip of approximately 45° eastward. On this assumption it was proposed to core drill eight BX-size holes in a westerly direction. Four holes were planned to average 80 feet and four to average 205 feet in length. Holes were to be drilled in four vertical westward-striking planes, with each plane containing one short and one long hole and the planes to be spaced at 100-ft. north-south intervals (Applicant's map and section).

The examiners believe that the dip of the western contact as assumed by the applicant, does not conform with available indications. In his application Mr. Parker stated that he did not want remuneration for his services in superintending the exploration, nor did he provide for any costs beyond those of subcontract drilling. The examiners believe that certain other costs should be provided for. All of the above points were discussed with and agreed to by the Applicant.

The Applicant states that exploration could start within 30 days and be completed within three months.

- Examiners' Alternate Proposal -

Allen Heyl, one of the examiners, did considerable geological work on this deposit in 1955. These data in addition to the information obtained during the present examination indicate the need for a revised drilling program. The Applicant has agreed to the revisions.

It is proposed to divide the program into two stages. All diamond drilling to be done under subcontract and the core to be BX-size. Due to the probable and unpredictable variance in contact dip, it is necessary to provide for alternative drill holes.

Stage I

Hole No. 1 is to be collared on a line bearing due west (magnetic) from the north corner of the old stone pumphouse and at a point approximately 120 feet from the pumphouse: the hole to be drilled on a N.70°E. magnetic bearing and to be inclined at an angle of 45°; maximum length to be 300 feet.

Hole No. 2 (Alternate "A") will be drilled only if the results obtained in hole No. 1 are encouraging. If drilled it will be collared at a point approximately 106 feet from the collar of hole No. 1 and on a line bearing N.30°W. (magnetic) from the collar of hole No. 1. The hole is to be drilled on a N. 70°E. (magnetic) bearing, on a 40° inclination and to have a maximum length of 275 feet.

Hole No. 2 (Alternate "B") will be drilled only if the results obtained in hole No. 1 are not encouraging. If drilled it will be located on a line bearing N.47°E.(magnetic) from the north corner of the old stone pumphouse and collared at a point approximately 285 feet from the same corner. The hole to be drilled with a 45° inclination and on a S.77°W. (magnetic) bearing. The hole to have a maximum length of 350 feet.

Hole No. 3 will be located on a line bearing S.53°E. (magnetic) from the north corner of the old stone pumphouse and collared at a point approximately 290 feet from the same corner. The hole will be drilled on a 45° inclination and have a maximum length of 300 feet.

Hole No. 4 Will be drilled either under (Alternate "A") or (Alternate "B") depending on information obtained from previously drilled holes.

Hole No. 4 (Alternate "A") will be located on a line bearing S.11°E. (magnetic) from the north corner of the stone pumphouse and collared at a point approximately 170 feet from that corner. The hole to be drilled on a N.26°E. (magnetic) bearing, inclined at 45° and have a maximum length of 300 feet.

Hole No. 4 (Alternate "B") will be located on a line bearing N.56°E. (magnetic) from the north corner of the stone pumphouse and collared at a point approximately 210 feet from the same corner. The hole to be drilled on a S.26°W. (magnetic) bearing, inclined at 45° and have a maximum length of 300 feet.

Stage II

Stage II is to be entered only if in the opinion of the Government the results obtained in Stage I justify further exploration. Under Stage II it is proposed to drill two holes for a maximum total of 600 feet. Owing to the probable extreme variations in dip and strike of contacts, it is not possible to intelligently designate the bearing, inclination or length of these holes at this time.

- Additional Proposals -

Although only one contract drilling bid was submitted it is proposed that the quoted rate of $3.50 per foot be considered as acceptable for BX-size core drilling.

It is proposed to accept the offer of the Applicant to superintend the project without remuneration as being in the best interest of the Government.

It is considered in the Government's interest to provide for the purchase and storage of core boxes and the cost of assays. The number of assays being indeterminate it is proposed to provide for more than may be needed to be accounted for outside the unit cost.

All core to be analyzed is to be split and one half retained in core box. Certified copies of assay results and assay costs to accompany each monthly report.

Allowable Costs of Project

STAGE I
Independent Contract

Diamond core drill BX-size, maximum 1250' @ $3.50	$4375.00	$4375.00
Operating Materials & Supplies		
80 core boxes, each for 16' of BX core @ $3.50	280.00	280.00
Storage Rental		
Core storage space - 2 months @ $10.00	20.00	20.00
Total		$4675.00
Contingencies @ 5% on $4675.00	233.75	233.75
Total for unit cost basis		$4908.75
Unit cost per foot (excluding analyses) $3.927		
34 analyses for copper, zinc, lead @ $8.00	272.00	
14 " " " " " & silver @ $12.00	168.00	440.00
Total Cost Stage I		$5348.75

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STAGE II
Independent Contract

Diamond core drill BX-size, maximum 600' @ $3.50	$2100.00	$2100.00
Operating Materials & Supplies		
38 core boxes, each for 16' of BX core @ $3.50	133.00	133.00
Storage Rental		
Core storage space - 1 month @ $10.00	10.00	10.00
Total		$2243.00
Contingencies @ 5% on $2243.00	112.15	112.15
Total for unit cost basis		$2355.15
Unit cost per foot (excluding analyses) $3.925		
16 analyses for copper, zinc, lead @ $8.00	$128.00	
6 " " " " silver " @ $12.00	72.00	200.00
Total Cost Stage II		$2555.15

Allowable Costs of Project
continued

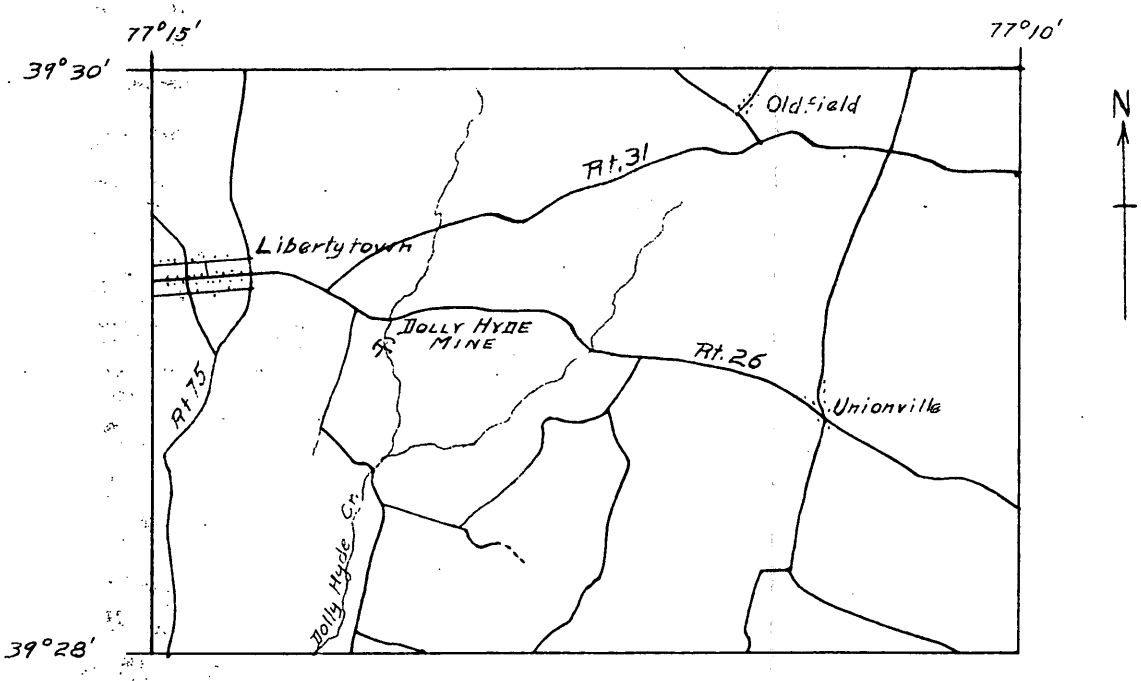
Total cost of Stage I	$5,348.75
Total cost of Stage II	2,555.15
Total cost of Project	$7,903.90

H. L. Burmeister, Mine Examination & Exploration Engineer, Bureau of Mines

Allen V. Heyl, Geologist
Geological Survey

N. E. Nelson, Geologist
Geological Survey

February 29, 1956



DOLLY HYDE MINE
FREDERICK COUNTY, MD.
DOCKET, DMEA 4111
U.S.G.S. MOUNT AIRY, MD. QUAD.
U.S.B.M. FEB. 1956

0 miles 1

LOCATION MAP

RECEIVED
MAR 19 1953

File Copy
Surname

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

JAN 18 1956

Mr. Pierre E. Parker, President
Parker Mining and Development Co.
RFD, Paeonian Springs, Virginia

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Parker:

Your application for Government assistance to explore the cited property has been reviewed by the Base Metals Division of the Defense Minerals Exploration Administration and has been referred to:

Mr. Robert A. Lawrence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Building
Knoxville 2, Tennessee

If a field examination of your property is necessary, the Regional Office will contact you at an early date. Any assistance that you may give the members of the Field Team during the examination will be appreciated.

Sincerely yours,

C. O. Mittenden

Administrator

JWAlt/bjl (1/17/56)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Pennington
Mr. Kiilsgaard
Region V (2)
Chron.

File Copy
Surname
GEO
Minerals
Selfridge
Lehman

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

JAN 18 1956

Mr. Robert A. Lawrence
Executive Officer
DMEA Field Team, Region V
Room 13, Post Office Building
Knoxville 2, Tennessee

Re: Docket No. DMEA-4111 (Copper)
Parker Mining & Development Co.
Dolly Hyde Mine
Frederick County, Maryland

Dear Mr. Lawrence:

A review of the cited application, of which you have a copy, indicates that it will need a complete study by the Field Team. If you think that a field examination of this property is necessary, will you please have one made.

Enclosed are copies of memorandums dated January 6 and 11, 1956, by N. E. Nelson, USGS, and J. W. Pennington, USBM, respectively, giving their recommendations.

Please submit your recommendations to us at your earliest convenience.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JWB)

APPROVED:

O. M. Bishop (JWB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JWB)
Member, Geological Survey

JWAlt/bjl (1/17/56)

Copy to: Docket
Admr. R. File
Op. Committee
Base Metals
Mr. Pennington
Mr. Kiilsgaard
Chron.

R.C.L.

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

RECEIVED
JAN 11 1956

January 11, 1956

Memorandum

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

From: J. W. Pennington, Branch of Base Metals

Subject: Review of application, Docket No. DMEA 4111 (copper), Parker Mining and Development Company, Dolly Hyde Mine, Frederick County, Maryland. $3,990.00

The Dolly Hyde mine was examined in 1943 and the results were published in a War Minerals memorandum.

The examiners found no outcrops and were unable to inspect the old workings or determine the character of the ore deposit.

Hence, a Field Team examination would be of little value as the workings are inaccessible and no evidence of mineralization is evident on the surface.

Although the proposed exploration is modest with low estimated costs, it is doubtful if any extensive mineralization would be discovered. Furthermore, the applicant offers no data to support his concept of the deposit.

It seems to me that the applicant should supply more geological information on the property to warrant the exploration program.

For these reasons, I recommend denial of the proposed program to explore the Dolly Hyde mine.

J. W. Pennington

IN REPLY REFER TO:

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

RECEIVED
JAN 9 1956

January 6, 1956

Re: DMEA 4111
Parker Mining and Development
Dolly Hyde Mine
Frederick Co., Maryland
$3,990.00 - Copper

Memorandum

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

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application

The applicant requests assistance in drilling eight diamond drill holes (core) a total of 1,140 feet, near the old Dolly Hyde shaft, at an estimated cost of $3,990.00.

The following information is taken from, The physical features of Carroll County and Frederick County, State of Maryland Board of Natural Resources 1946, p. 156.

"The Dolly Hyde mine was opened in 1839 and was acquired about 1845 by Isaac Tyson, Jr., who operated it until 1855 when he sold it to the Holly Hyde Copper Company. This company was soon after drowned out and no further attempt to operate the mine was made until 1914, when the United Milling and Smelting Copper Company made an attempt to reopen the mine but abandoned operations again before achieving production.

Description of the ore deposit and of the ore are available only in the literature dating back from 1860. The deposit occurs in a narrow limestone valley bounded on each side by volcanic schists. The workings did not attain to depths of more than a few tens of feet and apparently did not extend below the supergene ores. Ducatel in 1839 described the ore as soft and friable oxides of iron and manganese, copper black and copper carbonate with occasional large masses of copper carbonate. Whitney in 1854 said galena containing 45 to 50 oz. silver increased in quantity in depth. Jackson in 1853 said the limestone had a strike of N 75° E and dip of 45° SE and that a branch of the limestone went off to the northwest. The richest mineralization occurred at the split in the limestone where bornite occurred in the marble over a width of 2 to 3 feet. The few specimens remaining at the surface found by Overbeck consisted of limestone with thin stringers of chalcopyrite and bornite and disseminated grains of galena".

The copper ores occur in shear zones in the Wakefield marble near its contact with the overlying volcanic rocks ~~are~~ as fillings of fissures and breccias and as replacement of marble.

Of the Dolly Hyde mine, R. M. Overbeck, 1916, Economic Geology says,"Two other deposits - the Dolly Hyde and the New Windsor deposits - were considered promising when they were opened, but later work did not fulfill their early promise".

No mention of diamond drilling having been done is made in either reference.

Referral to the Field Team is indicated and so recommended.

N. E. Nelson

N. E. Nelson

January 5, 1956

Subject: DMEA-4111
Re: Exploration Assistance
Dolly Hyde Mine

Parker Mining & Development Company
RFD, Paeonian Springs, Virginia

Gentlemen:

The receipt of your application dated December 30, 1955, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

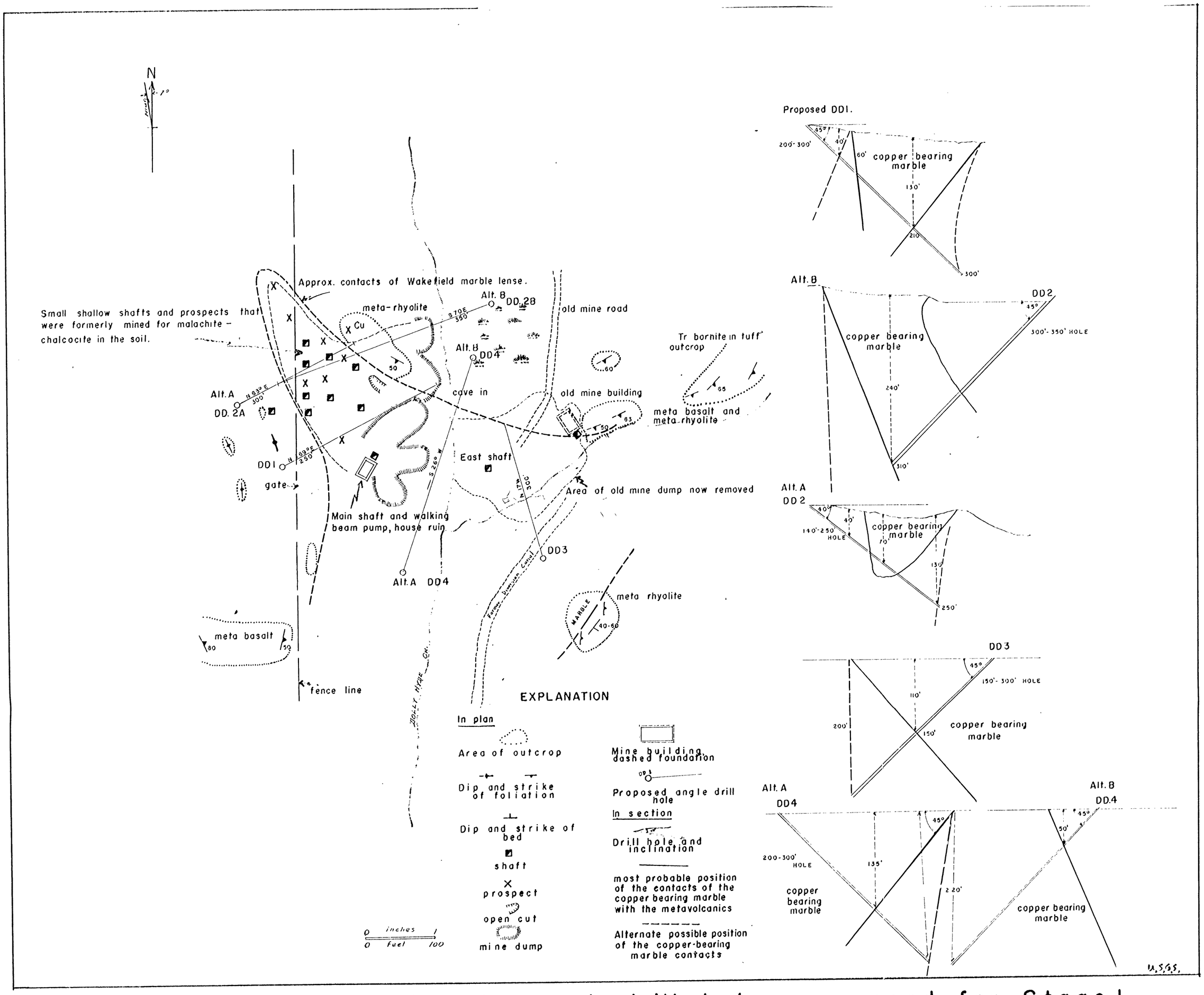
Your application has been assigned Docket Number DMEA-4111 and referred to the Base Metals Division.

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

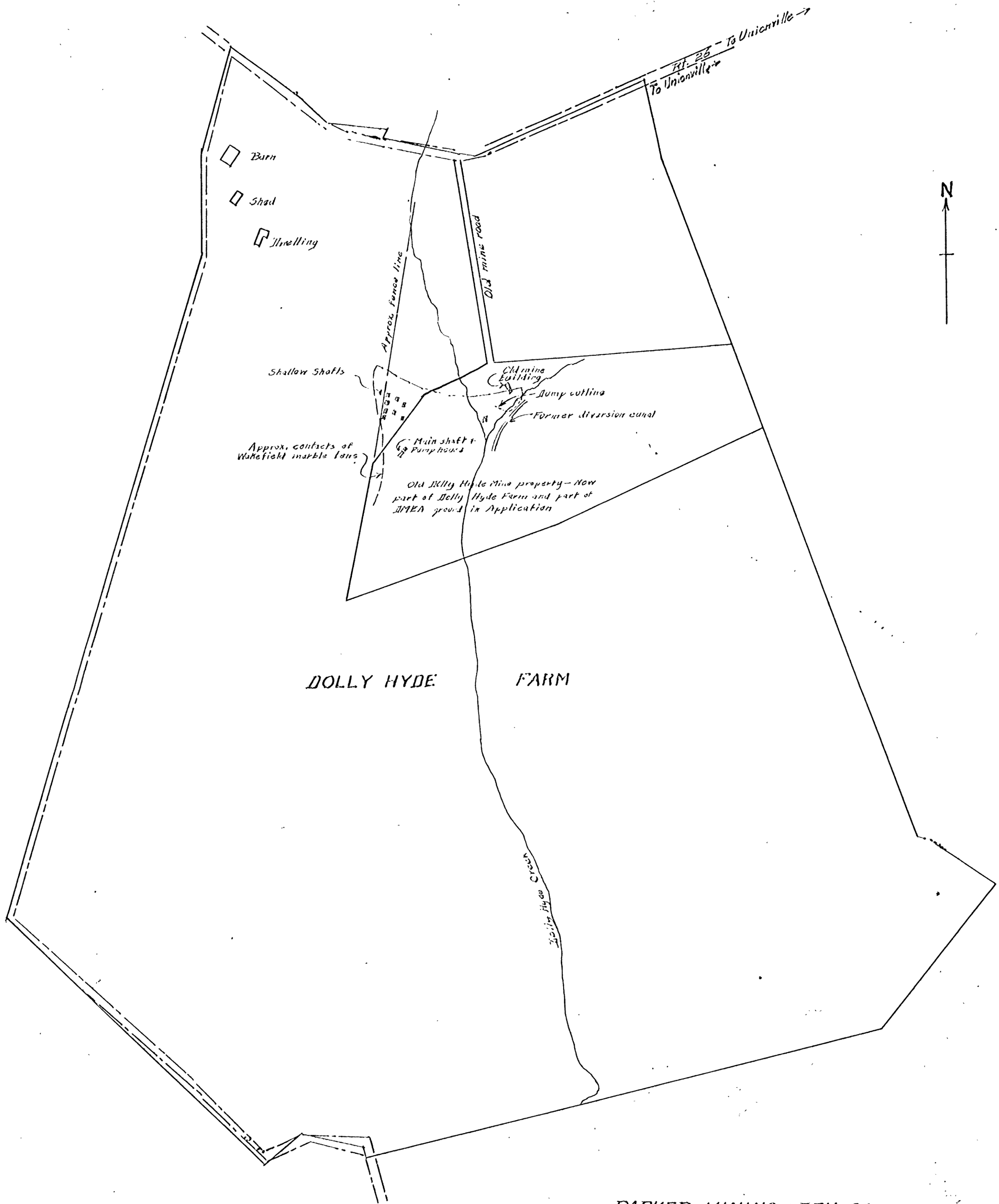
Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

60932



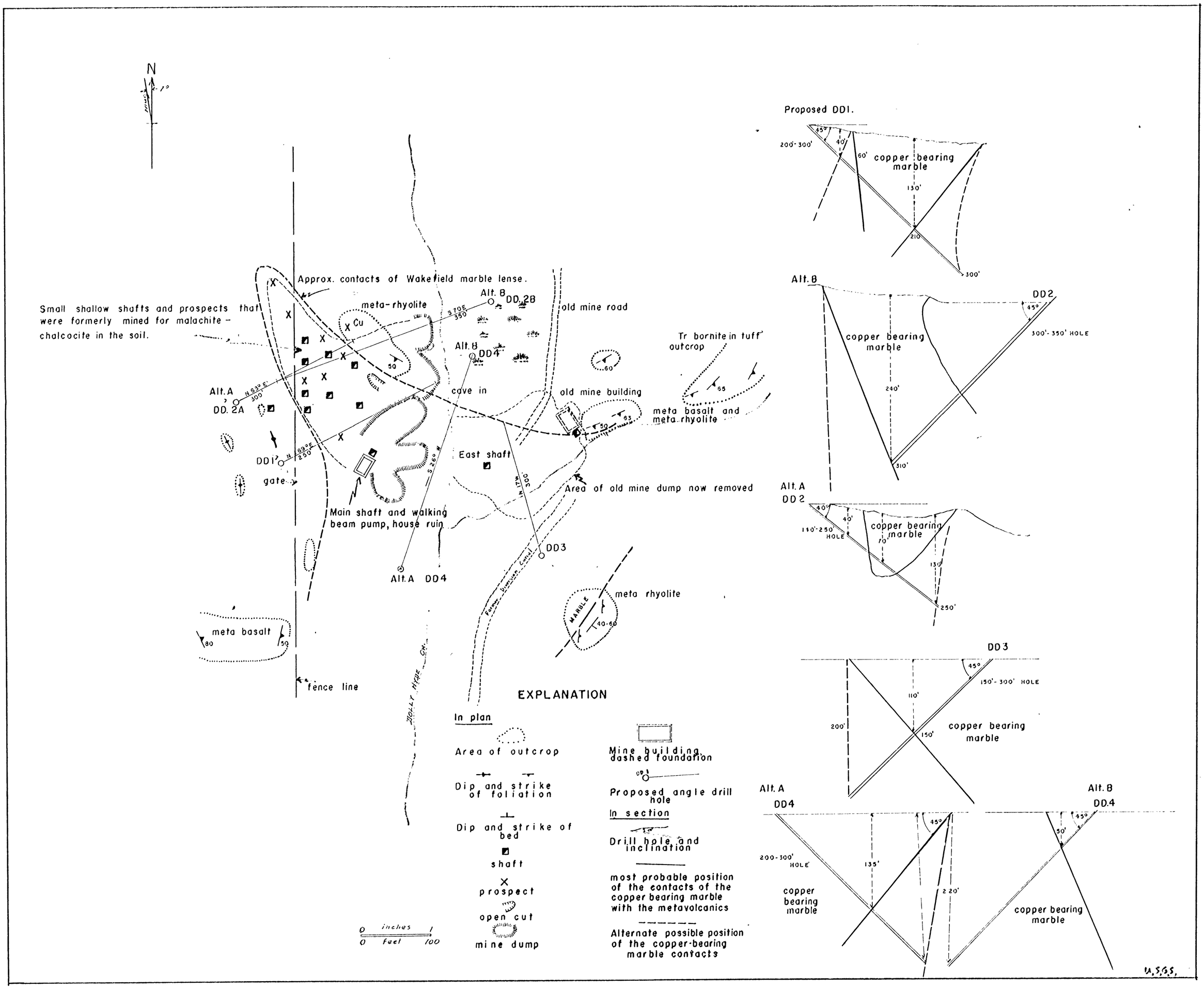
Map of the Dolly Hyde mine and drill holes proposed for Stage I.



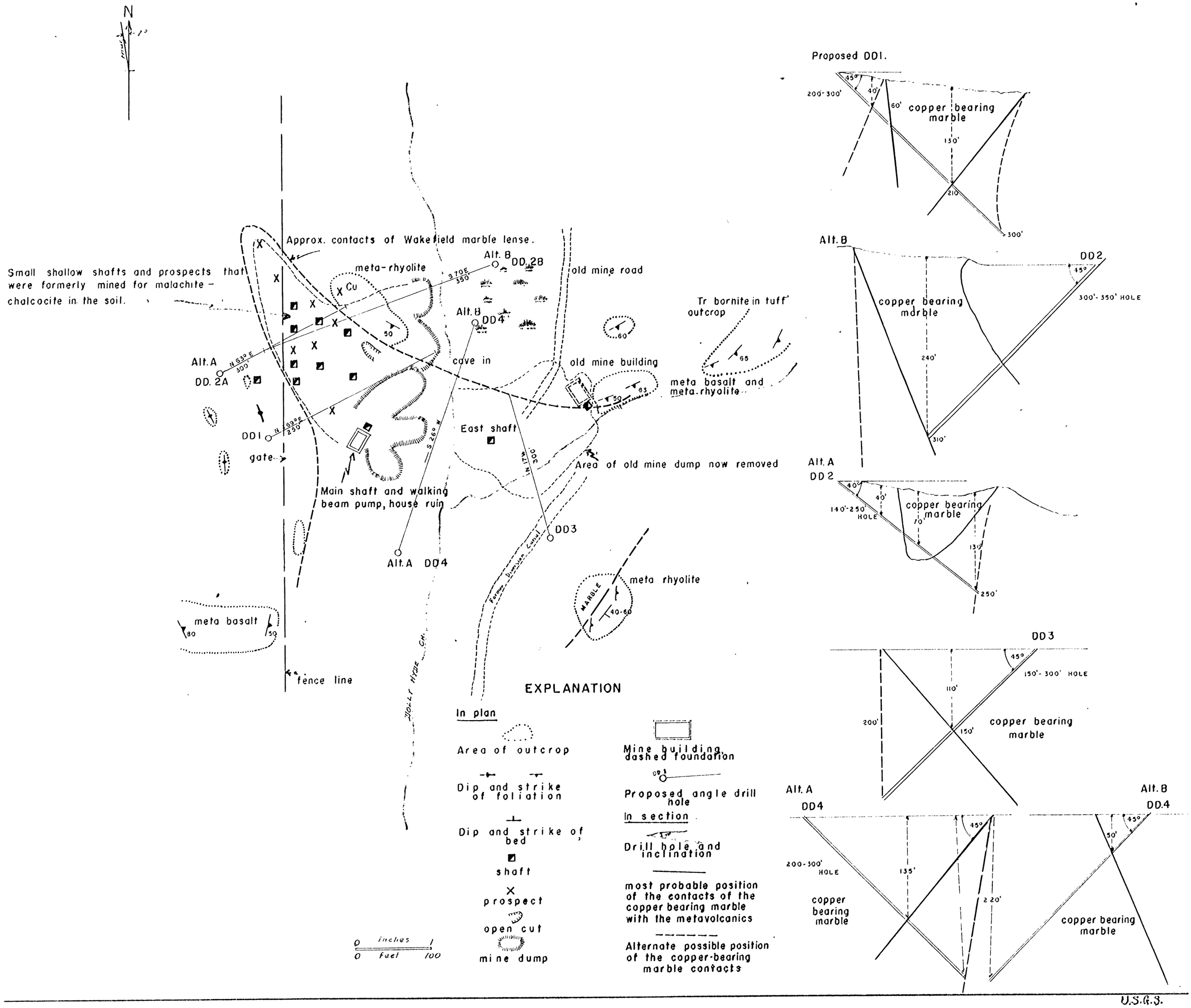
PARKER MINING + DEV. CO.
DOLLY HYDE MINE - FREDERICK CO. MD.
DOCKET No. DMEA 4111
AFTER APPLICANT'S MAP — WITH ADDITIONS

scale: 1" = 20 ps.

U.S.B.M.



Map of the Dolly Hyde mine and drill holes proposed for Stage I.

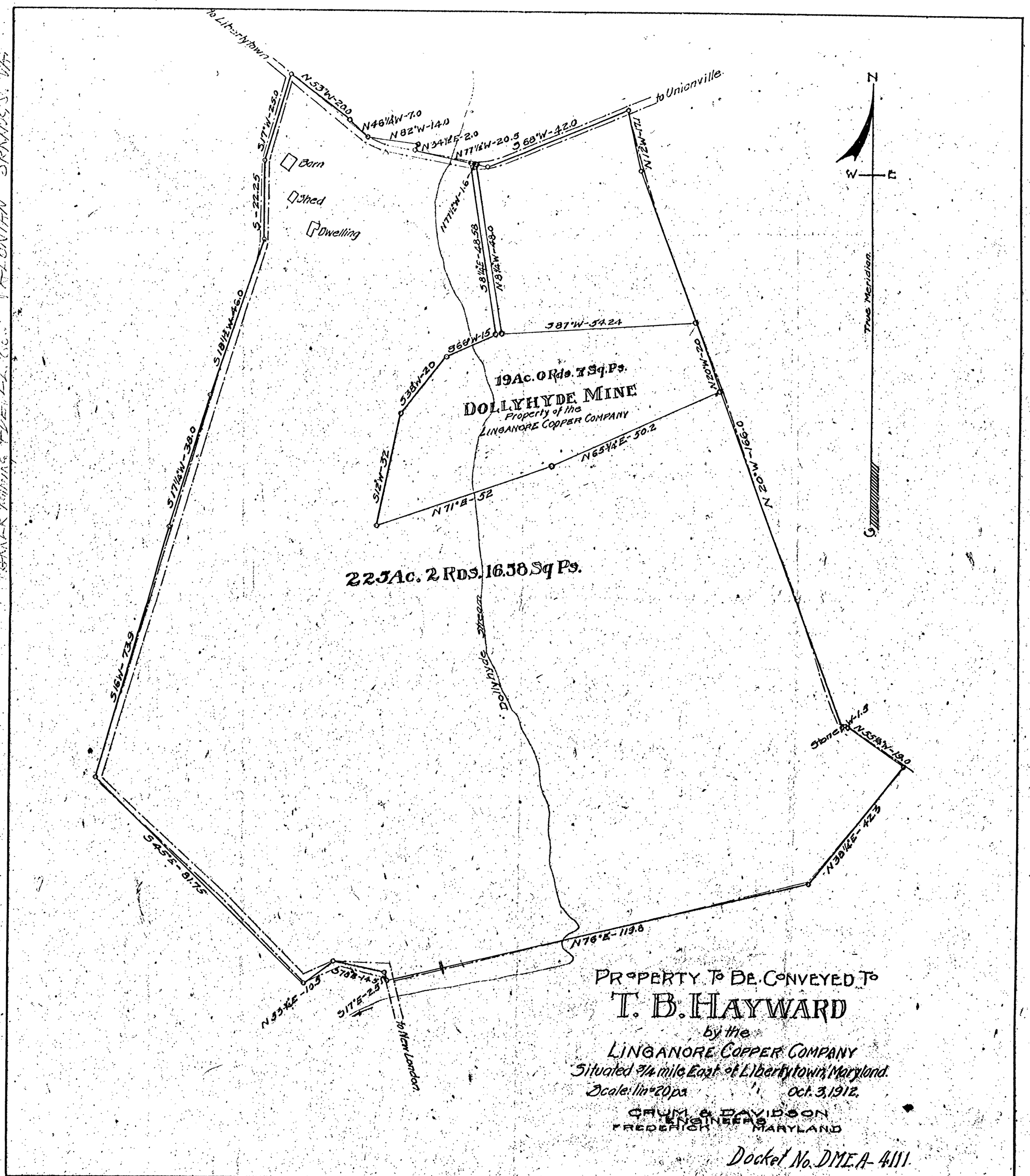


U.S.G.S.

Map of the Dolly Hyde mine and drill holes proposed for Stage I.

Docket No. DMEA-4111

PARKER MINING DEED CO. PATTONIAN SPRINGS, VA.



PROPERTY TO BE CONVEYED TO

T. B. HAYWARD

by the

LINGANORE COPPER COMPANY

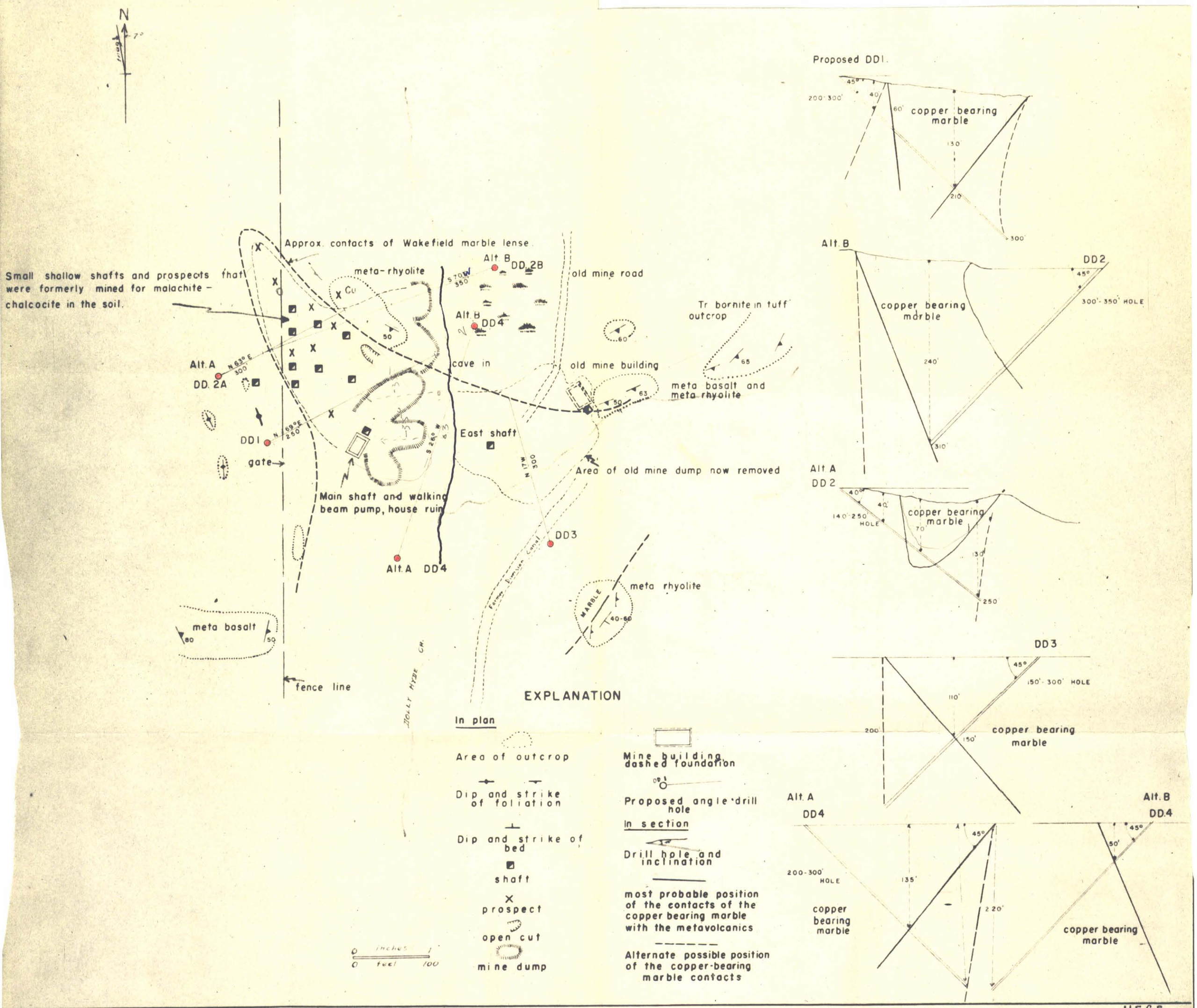
Situated 3/4 mile East of Libertytown, Maryland.

Scale: 1 in = 20 ps. Oct. 3, 1912.

CRUM & DAVIDSON
ENGINEERS
FREDERICK MARYLAND

Docket No. DME.A-4111.

No. 121011.



U.S.G.S.

Map of the Dolly Hyde mine and drill holes proposed for Stage I.

Docket No. DMEA-4111