DMEA Form 9
Rev. 6/57

UNITED STATES
DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration

OFFICIAL DOCKET FILE Idm-E NO. 437 DMEA NO. 2612

Application
- [ ] Denied
- [ ] Withdrawn

Contract
- [ ] Terminated - Not Certified
- [x] Terminated - Certified
- [ ] Cancelled
- [ ] Royalty Agreement

The records contained in this file are marked (x) and arranged in this order:

Folder No. 1:

Left Side

- [ ] Royalty Audits
- [x] Certification of Discovery
- [ ] Closing Letter
- [x] Cost Audits
- [ ] Termination Notice or Agreement
- [ ] Recision Notice
- [ ] Assignment of Contract
- [x] Contract Amendments
- [x] Contract with all exhibits and annexes
- [ ] Owner's Consent to Lien and Subordination Agreement
- [x] Application and attachments

Right Side

- [x] Project summary (final)
- [x] Work Completed analysis (final)
- All other material filed in chronological order including the following reports if checked:
- [ ] Field Team Semi-Annual Report for Certified Project
- [x] Final Field Team Report (Tab)
- [x] Operator's Final Report (Tab)
- [ ] Interim Field Team Reports
- [ ] Operator's monthly reports and all attachments
- [x] On-site Exam Report (Tab)
- [ ] Settlement Sheets
- [ ] Drill Logs

Additional Folders:

Left Side

Folders No. 2 : Reports
- [ ] Analysis of Semi-Annual Inspection Reports
- [ ] Project Summary (Interim) by DMEA Engineers

Right Side

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

Folders No. _____ : Maps (Use pocket folder or envelope)

Folders No. _____ : Settlement Sheets

Folders No. _____ : Drill Logs

Folders No. _____ : Royalty material

OFFICE OF MINERALS MIGRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF ROYALTY REVIEW

I have reviewed the files of the Executive Officer, OME Field Team, Region III, Denver, Colorado pertaining to Contract IAm-2437, Docket No. DMSA 2672, dated October 30, 1952, with

Duke Zeus Auto Company
Payson, Utah

for the purpose of determining the amount of royalties due the U. S. Government on the sales of lead, from property referred to as Evelyn Mine, located in Juab County, Utah, during the period October 30, 1952 to June 11, 1959.

A Certification of Discovery or Development was issued on January 14, 1954, and accordingly royalty is payable on all the production from the land described in Article 2 of the contract for a maximum period of 10 years from the date of the contract. A Report of Review in lieu of a final cost audit dated February 23, 1954, indicated accepted costs under the Exploration Contract amounting to $17,627.00 with the Government's contribution on a 50 percent basis being $8,813.50.

No royalty has been paid to the Government to date in connection with this contract.

This review was made in lieu of an on-site audit of the Operator's accounts and records for the following reasons:

(a) According to the Field Team's Semi-Annual Report of certified project for the period January 1, 1954 to June 30, 1954, operation ceased about June 10, 1954; no ore has been shipped since October 30, 1952, (the date of the exploration contract). Subsequent semi-annual reports of the Field Team during the period July 1, 1954 to December 31, 1958, indicate the property inactive and no operations or ore shipments are anticipated in 1959.

(b) The administrative costs to the Government of an on-site royalty audit at this time would be excessive in relation to the amount of possible royalty which might be disclosed.

June 11, 1959

Donald T. Finch
Donald T. Finch
OME Auditor

[illegible]

FILE COPY
SURNAME:
DOCKET COPY

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

Surname
Robin
Hilliard
Chamlin
Hedges
Thayer
Sedgwick
Griswold

CERTIFICATION BY THE UNITED STATES OF AMERICA
OF A DISCOVERY OR DEVELOPMENT UNDER
AN EXPLORATION PROJECT CONTRACT

To: Mr. Duke Page, President
Duke Page Auto Company
Spanish Fork, Utah

Pursuant to the provisions of Exploration Project Contract No. Idm-E437, dated October 30, 1952, Docket No. DMEA-2672, hereinafter called the "contract," between you and the United States of America, hereinafter called the "Government;" to establish and fix the Government's percentage royalty on production and its lien thereon and on the land described in the contract, the Government considers and therefore certifies that discovery or development from which production may be made has resulted from the exploration work.

The nature of said discovery or development is described broadly or indicated as follows: Work of sinking a winze from the tunnel level and drifts driven easterly and westerly from the winze have [illegible] disclosed [illegible] lead ores on the lands cited in the contract.

Dated JAN 1 4 1954

THE UNITED STATES OF AMERICA

WRGriswold/bjl (1/7/54)

By C. Mattendorf
Administrator, Defense Minerals
Exploration Administration

Copy to: Docket
Irving Gumbel, Act. Dir. EPS
Mr. Hedges, 4604
Mr. Thayer, 5216, GSA
Admr. R. File
Op. Committee
Cont. & Audit Div.
Finance Office
Region IV (2)
Mr. F. E. Johnson
Base Metals
Mr. Griswold
Chron.

Brownell
Betty

DEFENSE MINERALS EXPLORATION ADMINISTRATION
CONTRACT ADMINISTRATION AND AUDIT DIVISION

REPORT OF REVIEW

I have reviewed the Monthly Reports of:

Luke Page Auto Company
Spanish Fork, Utah

pertaining to Exploration Project Contract No. Idm-E437, Docket No. DMEA 2672, and including Amendment No. 1, for the months of November, 1952, to June, 1953, covering a project of exploration for Lead, located in Juab County, Utah, commonly known as Evelyn Mine.

My review included an examination of the Monthly Reports (Form MF-104) and supporting documents attached thereto, comparison of costs claimed with the contract and pertinent schedules, consultation with the Executive Officer of the Field Team in charge of the project, 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 reason:

All of the costs incurred were under a contract provision for payment by the Government on the basis of agreed estimated costs of units of work actually performed.

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

Total cost as billed by Contractor		$17,627.00
Exceptions:		
By DMEA Finance Officer	-0-	
Herewith	-0-	
Total Accepted Cost		$17,627.00

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 Eight Thousand Eight Hundred Thirteen and 50/100ths Dollars

- $8,813.50 -

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.

Dated: February 23, 1954.

B. J. Brekhus, Auditor

No. 1

[illegible]

AGREEMENT OF CONTRACT: No. [illegible]

Contract Docket No. DMSA 2671, dated October 30, 1952, between the United States of America and Duke Page Auto Company is hereby amended as follows, effective as of the date of said contract:

> Referring to "Article 3. Exploration Project" of Exploration Project Contract Form NF-206(A), delete "8 months" and in lieu thereof insert "10 months".

This amendment shall not be construed to increase the estimated total cost of the project, the amount of the Government's contribution, or any item of allowable cost which is expressly designated "allowable maximum".

Dated JUL 15 1953.

DUKE PAGE AUTO COMPANY

By Duke Page
Duke Page, President

UNITED STATES OF AMERICA

By W. H. King
W. H. King, Executive Officer
DMSA Field Team, Region IV

Attest:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

June 9, 1953

Memorandum

To: W. H. King, Chief, Mining Division, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: DMEA-2672, Contract Idm-E437, Duke Page Auto Co., Juab County, Utah

Enclosed are six copies of a letter received from the subject operator requesting an extension of two months to complete work under the contract. The operator is presently working on Stage 2 and will probably complete the work by August 30, 1953. The expiration date of the contract, as now written, is June 30, 1953.

It is recommended that the requested time extension be allowed.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

June 2, 1950

[illegible]
[illegible]
[illegible]
[illegible]

Dear Sir:

[illegible]

[illegible]

Sincerely,

[illegible]

Charles Pope

MF-200 (A)
(February 1952)

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 10 1952

DOCKET NO. DMEA 2672

COMMODITY Lead

Idm-1437

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

EXPLORATION PROJECT CONTRACT[1]
(Short Form)

IT IS AGREED this 30th day of October, 1952, between the United States of America, acting through the Department of the Interior, Defense Minerals Exploration Administration, hereinafter called the "Government," and[2] Duke Page Auto Company, a corporation incorporated in the State of Utah
Duke Page - President
Payson, Utah

hereinafter called the "Operator," as follows:

ARTICLE 1. *Authority for contract.*—This agreement is entered into under the authority of the Defense Production Act of 1950, as amended, pursuant to DMEA Order 1 entitled "Government Aid in Defense Exploration Projects."

ARTICLE 2. *Operator's property rights.*—With respect to that certain land situated in the State of Utah, County of Juab, described as follows:[3] 5 unpatented mining claims, Evelyn, Evelyn #1, Evelyn #2, Evelyn #3, Evelyn #4, all recorded in Book 117, Pages 331 through 333, in the County Recorder's Office at Nephi, Utah

the Operator represents and undertakes:[4]

(*a*) That the Operator is the owner, in possession and entitled to possession, and that the property is subject only to the following claims, liens, or encumbrances as to each of which the subordination agreement of the holder is attached:

None

(*b*) [redacted]
The Operator shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of the exploration project without any allowance for the use, rental value, depreciation, depletion, or other cost of acquiring, owning, or holding possession thereof.

ARTICLE 3. *Exploration project.*—The Operator, within 60 days from the date of this contract shall commence work on a project of exploration for[5] Lead

in or upon the described land; and shall bring the project to completion within a period of 8 months from the date of this contract. The work to be performed is more fully described in Exhibit "A" attached hereto, which, with any maps or drawings thereto attached, are made a part of this contract. The Government will contribute to the cost of this work as hereafter provided. The work shall be performed by the Operator or by independent contractor or contractors efficiently, expertly, in a workmanlike manner, in accordance with good mining standards and State regulations for health and safety and for workmen's compensation and employers' liability insurance, with suitable and adequate equipment, materials, and labor, to bring the project to completion within the time fixed. The Government shall have the right to enter and observe and inspect the work at all reasonable times, and the Operator shall provide the Government with all available means for doing so. The Government may consult with and advise the Operator on all phases of the work.

ARTICLE 4. *Costs of the project.*—The agreed, estimated costs of performing the work, expressed in terms of units of work to be performed (per foot of drifting, per foot of drilling, per cubic yard of material to be moved, etc.) are set forth in Exhibit "A," attached hereto. The Government will pay Fifty (50) percent of these agreed, estimated costs, as they accrue, for units of work actually performed that conform with the description or specifications for the work set forth in this contract, in an aggregate total amount not in excess of $8853.50, which is 50 percent of $17,707.00, the agreed, estimated total cost of the project in which the Government will participate. *Provided,* That until the Operator's final report and final accounting have been rendered to the Government and any final check or 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 ten (10) percent of the maximum total which the Government might have been called upon to pay under the terms of the contract. The Government may, as it sees fit, make payments direct to the Operator's independent contractors, if any, for the account of the Operator, rather than to the Operator.

ARTICLE 5. *Reports, accounts, audits.*—(*a*) *Progress reports.* The Operator shall provide the Government with monthly reports of units of work performed under the contract, in quintuplicate (five copies), upon forms provided by the Government. These progress reports shall be certified by the Operator, and shall constitute both the Operator's invoice of units of work performed on the project during the period covered by the report and his voucher for repayment by the Government, unless the Government requires the use of a standard voucher form with invoice attached. Progress reports shall include surface and/or underground engineering-geological maps or sketches showing the progress of the exploration, with assay-reports on samples taken concurrently with the advance in mineralized ground.

[1] If sufficient space is not provided in any blank, use an extra sheet of paper and refer to it in the blank.
[2] State name, address, and nature of organization if any.
[3] Give legal description or enough to identify the property, particularly excluding any land or interest therein to which the Government's lien is not to attach or the production from which is not to be subject to the Government's percentage royalty.
[4] Strike out the provision not applicable.
[5] Name of mineral or minerals.

(*b*) *Final report.*—Upon completion of the exploration work or termination of the contract the Operator shall provide the Government with an adequate geological and engineering report, in quintuplicate (five copies), including an estimate of ore reserves resulting from the exploration work.

(*c*) *Compliance with requirements.*—If, in the opinion of the Government, any of the Operator's reports are insufficient or incomplete, the Government may procure the making or completion of such reports and attachments as an expense of the exploration work; and the Government may withhold approval and payment of any vouchers depending upon insufficient or incomplete reports.

(*d*) *Accounts and audits.*—The Operator shall keep suitable records and accounts of the units of work performed, which the Government may inspect and audit at any time. The Government may at any time require a check of the work performed and an audit of the Operator's records and accounts, by a certified public accountant or otherwise, the cost thereof to be treated as a cost of the project. The Operator shall keep and preserve said records and accounts for at least 3 years after the completion of the project or the termination of this contract. Upon the completion of the project or termination of the contract the Operator shall render a final account and statement of work performed to accompany his final report.

ARTICLE 6. *Repayment by Operator.*—(*a*) If, at any time, the Government considers that a discovery or a development from which production may be made has resulted from the exploration work, the Government, at any time not later than 6 months after the Operator has rendered the required final report and final account, may so certify in writing to the Operator. The certification shall describe broadly or indicate the nature of the discovery or development. In the event of such certification, any minerals mined or produced from the land described in Article 2 within 10 years from the date of this contract, including any mined or produced before the certification, shall be subject to a percentage royalty which the Operator or his successor in interest shall pay to the Government, upon the net smelter returns, the net concentrator returns, or other net amounts realized from the sale or other disposition of any such production, in whatever form disposed of, including ore, concentrates, or metal, until the total amount contributed by the Government, without interest, is fully repaid, or said 10 years have elapsed, whichever occurs first, as follows:

(1) One and one-half (1½) percent of any such net amounts not in excess of eight dollars ($8.00) per ton.

(2) One and one-half (1½) percent of any such net amounts, plus one-half (½) percent of such net amounts for each additional full fifty cents ($0.50) by which such net amounts exceed eight dollars ($8.00) per ton, but not in excess of five (5) percent of such net amounts.

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

(*b*) As here used, "net smelter returns," "net concentrator returns," and "other net amounts realized from the sale or other disposition," mean gross revenue from sales, or if not sold, the market value of the material after it is mined in the form in which and the place where it is held. In the case of integrated operations in which the material is not disposed of as such, these terms mean what is or would be the gross income from mining operations for percentage depletion purposes in income-tax determination.

(*c*) To secure the payment of its percentage royalty, the Government shall have and is hereby granted a lien upon the land described in Article 2 and upon any production of minerals therefrom, until the royalty claim is extinguished by lapse of time or is fully paid.

(*d*) This article is not to be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any mining or production operations.

ARTICLE 7. *Assignment, transfer, or loss of Operator's interest.*—Without the written consent of the Government, the Operator shall not assign or otherwise transfer or hypothecate this contract or any rights thereunder. The Operator shall not make any voluntary nor permit any involuntary transfer or conveyance of the Operator's rights in the land described in Article 2, without making suitable provision for the preservation of the Government's right to a percentage royalty on production and lien for the payment thereof; *Provided*, that mere failure by the Operator to maintain the Operator's rights in the land, without any consideration running to the Operator other than relief from the cost of maintaining such rights (as by surrender of a leasehold, failure to perform assessment work, or failure to exercise an option), coupled with complete abandonment by the Operator of all interest in or operations on the land for a period of 10 years from the date of this contract, shall not constitute such a transfer or conveyance. Should the Operator make or permit any transfer or conveyance in violation of this provision, the Operator shall be and remain liable for payment to the Government of the same amounts, at the same times, as would have been paid under the terms of the percentage royalty on production. If for any reason the net smelter returns, net concentrator returns, or other net amounts realized from the sale or other disposition of such production are not available as a means of measuring the amount of the Operator's liability, the amount thereof shall be estimated as well as may be, and in the event of dispute as to such estimates, the determination thereof by the Administrator of Defense Minerals Exploration Administration or by his successor shall be final and binding upon the Operator.

ARTICLE 8. *Termination and completion.*—The Government may, at any time, by written notice to the Operator, terminate this contract: (*a*) If the Operator fails to provide his share of the money necessary to prosecute operations pursuant to the terms of the contract; (*b*) if the Operator, in the opinion of the Government, fails to prosecute operations pursuant to the terms of the contract; or (*c*) if, in the opinion of the Government, operations up to the time of the notice have not indicated the probability of making any worth while discovery and in the opinion of the Government further operations are not justified.

ARTICLE 9. *Changes and added provisions* _____

Executed in sextuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

Wyldie Page Auto Co
(Operator)

By Wyldie Page Pres

By W. H. King
Executive Officer - DMEA
Field Team, Region IV

I, Ruby P. Wilson certify that I am the secretary of the corporation named as Operator herein; that Wyldie Page President, who signed this contract on behalf of the Operator, was then 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.

Ruby P. Wilson [CORPORATE SEAL]

U. S. GOVERNMENT PRINTING OFFICE 16—66329-1

EXHIBIT "A"

Description of the Work

Exploration down the dip of the mineralized zone will be accomplished in two stages:

Stage 1, consists of rehabilitating the present winze and sinking 80 feet to the 113 foot level and driving a total of 180 feet of drifts and/or raises on this level. Locations of all drifts and raises must have prior approval of the DMEA representative.

Stage 2, is dependent upon the results of Stage 1, and consists of sinking the winze 100 feet to the 213 foot level and driving a total of 120 feet of drifts and/or raises on this level. Locations of all drifts and raises must have prior approval of the DMEA representative.

Cognizance is taken of the presence of the water table which lies between 200 and 300 feet from the surface and provision is hereby made to apply funds for winze sinking under Stage 2 to drifting and/or raising if in the opinion of the DMEA representative prohibitive water is encountered in sinking the winze, and additional work is warranted on the 113-foot level.

Figures 2 and 3 which are attached show the location of the proposed work and are made a part of Exhibit "A."

Estimated Costs of the Work

Stage 1

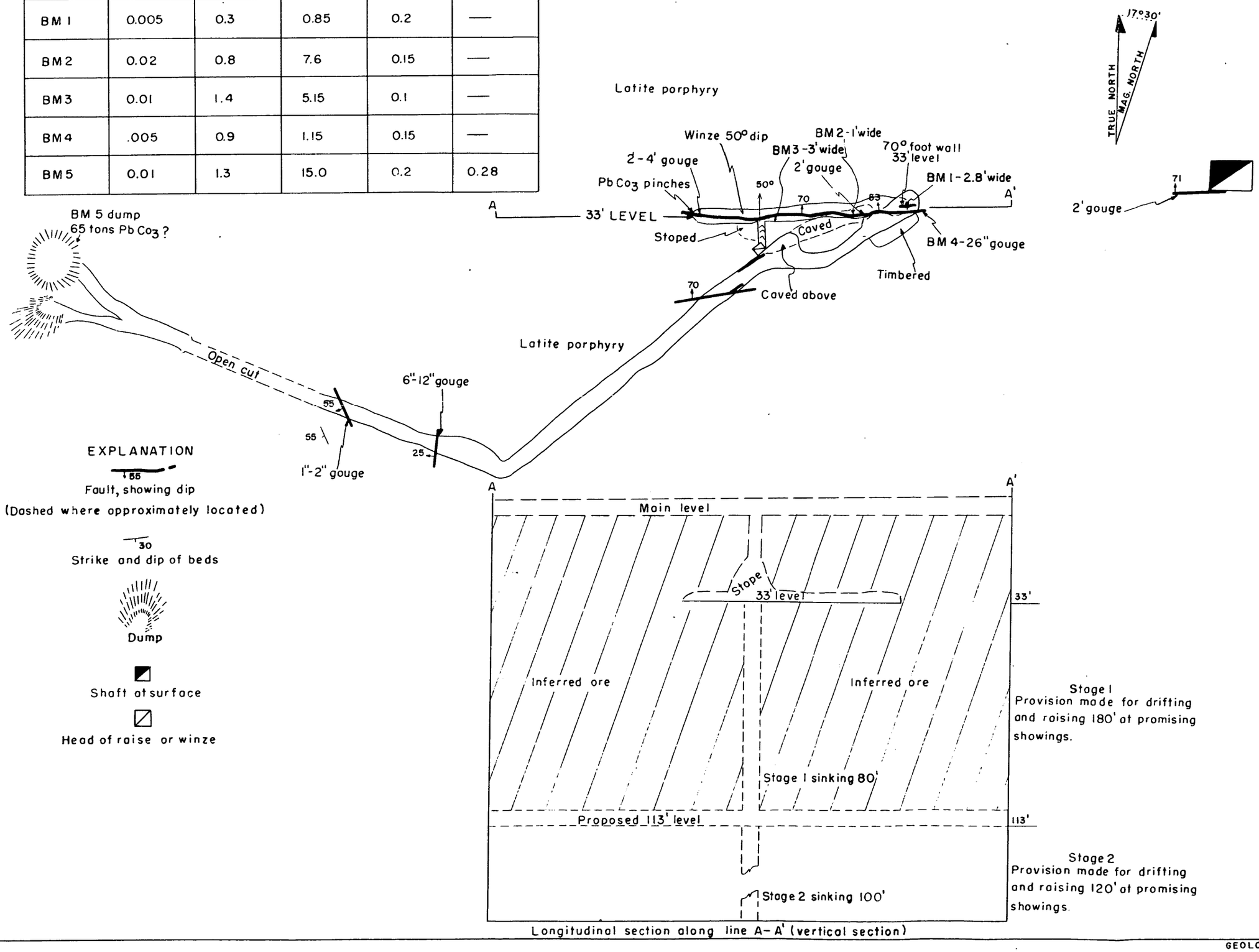
Rehabilitate 33 feet of existing winze 1/	$ 452.00
Sink winze 80 feet @ $53.75 per foot	4300.00
Drifting and/or raising 180 feet on the 113-foot level @ $25.00 per foot	4500.00
Total Stage 1	$9332.00

1/ The entire work constitutes the unit of work.

Stage 2

Sink winze 100 feet @ $53.75 per foot	$5375.00
Drifting and/or raising 120 feet on the 213-foot level @ $25.00	3000.00
Total Stage 2	$8375.00
Total Stage 1 and 2	$17707.00
Government participation 50%	$ 8853.50

Sample No.	% Au	% Ag	% Pb	% Zn	% Cu
BM 1	0.005	0.3	0.85	0.2	—
BM 2	0.02	0.8	7.6	0.15	—
BM 3	0.01	1.4	5.15	0.1	—
BM 4	.005	0.9	1.15	0.15	—
BM 5	0.01	1.3	15.0	0.2	0.28



GEOLOGY BY D.C. LAUB

FIG. 3

GEOLOGIC SKETCH MAP OF DUKE PAGE PROPERTY
EVELYN CLAIMS
JUAB COUNTY, UTAH

0 40 80 FEET
Scale

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.

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-2672
Metal or Mineral
Date Received 8-25-52
Estimated Cost
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: Duke Page Auto Company
Payson, Utah

(*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. Corporation

(*c*) If a corporation, add to above statement, titles, names and addresses of officers. Duke Page, President
Elmo Wilson, Vice Pres.
Ruby Wilson, Sec. & Treas.

(*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 The property owned and dealt with in this application, consists of five unpatented lode mining claims: Evelyn— Evelyn No. 1— Evelyn No. 2--Evelyn No. 3 and Evelyn No. 4 which were relocated as the Evelyn group in 1931.

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

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. The Evelyn mining claims--Evelyn & Evelyn No.1--No. 2--No. 3 and No. 4 were located August 15, 1931--Book 111--Page 217-218

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

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

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

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

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

Department of the Interior
Defense Minerals Administration
16—66551-1
RECEIVED
AUG 25 1952

5. *The exploration project.*—(*a*) S[illegible] the mineral or minerals for which you wish [illegible]xplore _____

(*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. **Refer to Paragraph 4 of Section C for details of proposed exploration.**

(*c*) The work will start within **10** days and be completed within **6** months from the date of an exploration project contract. **Depending on weather conditions**

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

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

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

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

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

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

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

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

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

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

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

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

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

[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 Aug 20, 195[illegible]

Duke Pope and Co.
(Applicant)

By Duke Pope 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

C. Physical Description

(a) Mining and Exploration operations for the Evelyn Claims were conducted on Evelyn Claim No. 1 and consist of the following underground workings:

An addit 259 feet in length--forty nine feet (49 ft.) of which was driven by the present owner, (Duke Page Auto Company).

A winze 36 feet deep, being colliered, 168 feet from the portal of the tunnel. This work was done by the present owner.

An incline shaft, 55 feet deep, from which most of the production from this property is attributed.

These workings are all accessable for examination at the present time.

(b) The present owner of the Evelyn Mine has been unable to find records of past production of this property due to its having been relocated under different names a number of times since its discovery in about 1904.

Through talking to mine owners and miners familiar with production from this section of the Diamond District, Mr. Page has come to the conclusion that approximately 1000 tons of ore, averaging better than 25 per cent (25%) lead were produced from the Evelyn property.

Since acquiring the property, Mr. Page shipped 20 tons of ore from the Evelyn Shaft Dump which went 12 per cent (12%) lead--6 oz. silver and .03 oz. gold per ton.

At present we have 60 tons of ore stockpiled which was taken in sinking the winze to a depth of 36 feet from the tunnel level. This ore averages 17 per cent (17%) lead--5.5 oz. silver and .025 oz. gold per ton.

(c) The country rock surrounding and exposed in the Evelyn working consists of an igneous rock, designated as latite by U.S.G.S. professional paper No.111. No sedimentry beds are visable in the area.

The incline shaft produced ore, reportedly, of a tenor and grade averaging 36 per cent (36%) lead--18 oz. silver and .08 oz. gold per ton. Ore exposed in the shaft at present will average 17 per cent (17%) lead--6 oz. silver and .03 gold per ton.

In the Evelyn tunnel at a distance of 165 feet from the portal in the winze, a vein one to three feet in width is exposed which assays 34.1 per cent (34.1%) lead--4.2 oz. silver and .02 oz. gold per ton.

The area surrounding the Evelyn Mine has produced a considerable tonnage of manganese and by far the greatest part has come from the Rising Sun #2 (patented claim which borders Evelyn No. 4 and No. 5).

The Evelyn Shaft was sunk on a steeply dipping fissure-vein and production in the Evelyn Tunnel came from the same fissure -vein at a distance of approximately 170 feet West of the shaft and 100 feet below the shaft bottom.

Proposed exploration in the Evelyn Tunnel is based upon the assumption that the ore in the Evelyn Shaft will extend down to the tunnel level and upon drifting into this area, a substancial ore body can be anticipated.

(d) The present owner has just finished a three mile access road to the mine, at an approximate cost of $1500.00.

Ore would be hauled a distance of 9 miles to the railroad spur in Silver City. Four miles of this distance is oiled.

The supply and residence points are at Eureka, Utah, which is twenty miles from the mine.

(e) Manpower, materials, supplies and equipment are easily obtainable in Eureka, which is 20 miles from the mine.

Water has to be hauled a distance of nine miles.

Electrial power is not available at the mine.

5. The Exploration Project:

(a) Minerals explored for: Lead and Silver

(b) Our Proposed Development Program Would Consist Of:

1. Extending the Evelyn tunnel a maximum distance of 160 feet. This would place us directly below the projection of the Evelyn shaft where we anticipate finding the extension of the ore exposed in the Evelyn Shaft.

2. Sink the winze, which is now 36 feet deep and in ore, to a depth of 236 feet deep; for the purpose of mining the ore in sight and thoroughly prospecting the area for the presence of large ore bodies, as the larger bodies of ore have been found at depth in this district.

(c) The work will start within 10 days and be completed within six months from the date of an exploration contract, depending on weather conditions.

(d) Duke Page, the applicant, has been engaged in leasing and developing mines for the past 15 years. He has not only directed his operations, but assisted in the work underground.

Mr. Elmer Mower, who will supervise this operation, has worked as a leaser and mine development contractor for the past 25 years.

6. Estimate of Costs:

160 feet of drifting	@ $45.00 per ft.	$6400.00
200 sinking	@ 55.00 per ft.	$11000.00

(b) Labor, Supervision, Consultants:

Figured in Contract

(c) Operating Materials and Supplies:

Figured in Contract

(d) Operating Equipment:

All equipment figured in contract price.

(e) Rehabilitation and Repairs:

None

(f) New Buildings, Improvements, Installations:

We furnish buildings and Installations

(g) Miscelleanous:

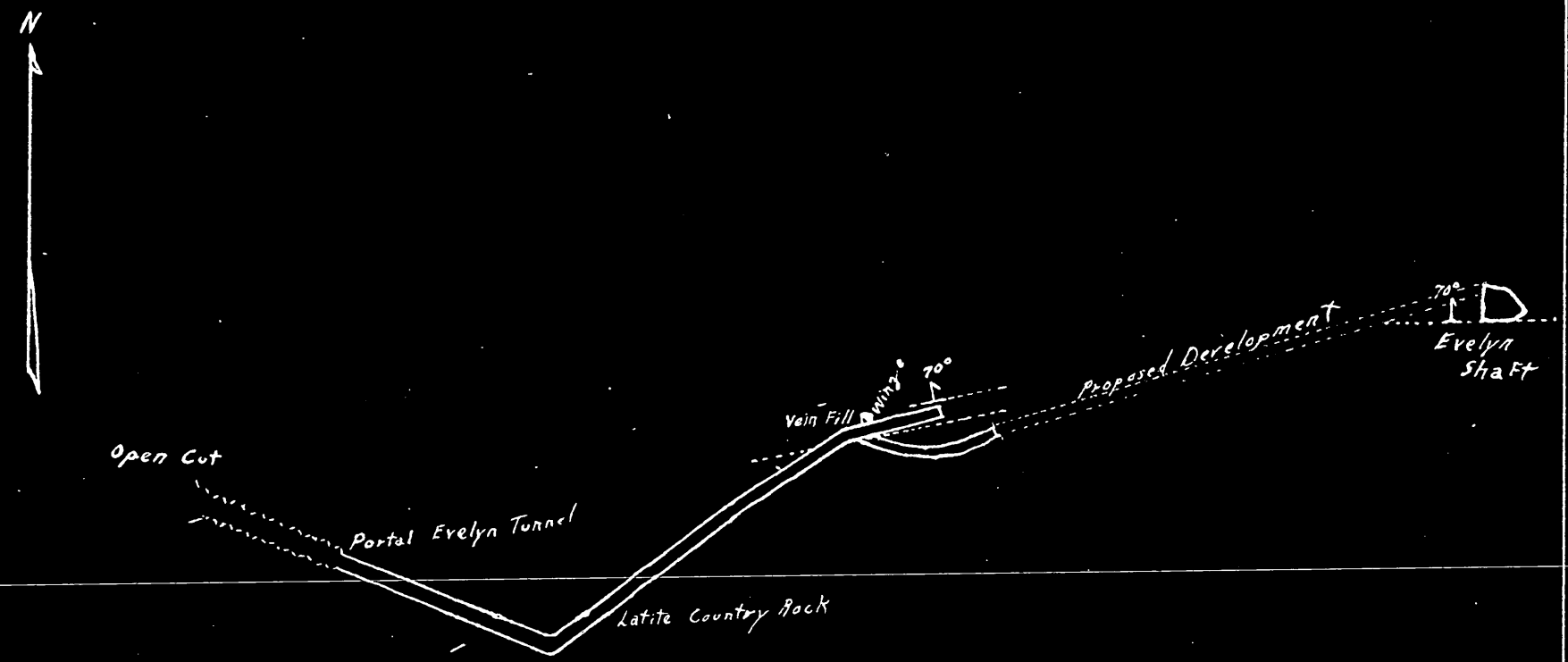
Figured in contract.

(h) Contingencies:

None

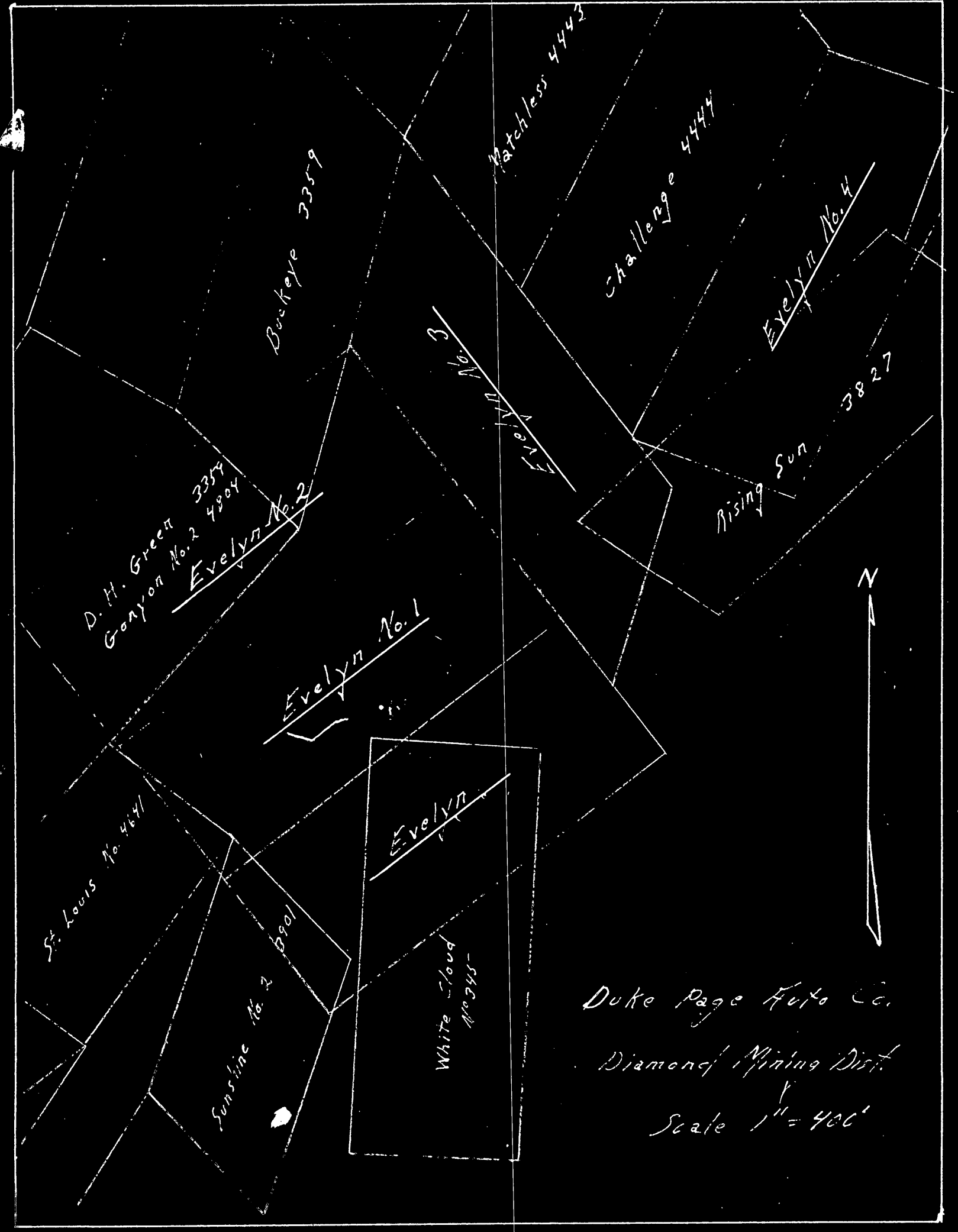
Enclosed please find deed to property and a list of some of the mining equipment we own, since acquiring said property we have spent more than $6000.00.

We have all mining equipment necessary for this work; new diesel air compressor, mucking machine slushers, hoist stoper, jack hammers and etc.



Scale 1" = 50'

Additional Footage to Shaft Projection 160'


Matchless 4443
Challenge 4444
Buckeye 3359
Evelyn No. 4
Evelyn No. 3
Rising Sun 3827
D. H. Green 3354
Canyon No. 2 4804
Evelyn No. 2
Evelyn No. 1
Evelyn
St. Louis No. 4641
Sunshine No. 2 3901
White Cloud No. 345-
N
Duke Page Auto Co.
Diamond Mining Dist.
Scale 1" = 400'

File Copy
Surname

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

PROJECT SUMMARY REPORT

By: W. R. Griswold August 4, 1954

1. Docket No. DMEA-2672 (Lead)
   Contract No. Idm-E437
   Property: Evelyn Mine
   Location: Juab County, Utah

   Operator: Duke Page Auto Company
   Spanish Fork, Utah

   Operator's Property Rights: Owner

2. Contract dated October 30, 1952

   Work Authorized

Rehabilitation of 33 ft winze	$ 452.00
Sinking winze 180 ft at $53.75	9,675.00
Drifting and/or raising 300 ft at $25.00	7,500.00
Total	$17,627.00

   Total of contract was $17,707.00 due to error in calculations.

   Government participation was 50% or $8,853.50.

   Amendments

   No. 1 Dated July 15, 1953

   Extends completion time from 8 to 10 months.

Work Completed

Winze rehabilitation, 33 ft	$ 452.00
180 ft of winze at $53.75	9,675.00
300 ft of drifting at $25.00	7,500.00
Total	$17,627.00
Government's share	$ 8,813.50

3. Audit Certificate issued February 23, 1954.
(No exceptions)

4. Certificate of discovery issued January 14, 1954.

Ore reserve is estimated to be 3,000 tons, with a grade of 15 per cent lead.

5. Comments:

The exploratory project was carried out entirely along a mineralized fault fissure that varies in strike from N. 70° E. to due east and dips from 65° to 75° northwesterly. The fissure cuts through latite porphyry. Mineralization in the fissure, where exposed, has been oxidized. Lead ore, consisting of galena remnants surrounded by lead carbonate and occurring from 1 inch to over 3 feet in width, was encountered in the fissure throughout most of the workings. The fissure filling contains from a trace to over 48 percent lead, and silver in a ratio of about 3 per cent lead to 1 ounce silver. Gold and zinc are negligible. It is estimated that the deposit contains a minable reserve of 2,000 to 4,000 tons of ore assaying 10- to 20- per cent lead. No ore has been marketed to date, although several tons mined during the project work has been stockpiled on the mine dump.

It is concluded that although the fault fissure is strongly mineralized, no large ore bodies will be found, unless unknown larger structures or zones receptive to ore deposition are encountered in the further development of the property.

No recommendation is made for Government participation in additional exploratory or development work at the Evelyn mine.

W. R. Griswold

WRGriswold/er
Copy to: Docket
Base Metals
Chron.

☒ Audited

☒ Certified

WO[illegible] ANALYSIS SHEET - DMEA PROJECT

Analysis as of 12/13/54

Incl. Voucher for June 1953

☐ Actual Cost

☒ Agreed Unit Costs

Name Duke Page Auto Company

State Utah

Commodity Lead

Docket No. DMEA-2672

Idm-E No. 437

OPERATION	AUTHORIZED Units	AUTHORIZED Cost	COMPLETED Units	COMPLETED Cost	NET COST
Drifting & Crosscutting or Raising	300'	$7,500.00	300'	$7,500.00	$7,500.00
Shafts					
Winzes	180'	9,675.00	180'	9,675.00	9,675.00
Drilling (Specify)					
Sur[illegible]e Excavation					
Underground Excavation					
Roads and Trails					
Operating Equipment Purchased					
Surface Rehabilitation & Repairs					
Underground Rehabilitation Winze 33'		452.00		452.00	452.00
New Building, Improvements, etc.					
Other (Specify)					
Totals		$17,627.00		$17,627.00	$17,627.00

Prepared by W. R. Kugesheid

71626

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
		500
	Talbertson	800
	Selfridge	120
		110
		100
12/12	eyl	220

DEC 1 2 1962

Duke Page Auto Company
c/o Mrs. Ruby Wilson
Page, Inc.
Spanish Fork, Utah

Re: DMEX-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract Idm-E437

Gentlemen:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated January 14, 1954, all minerals mined or produced from October 30, 1952, to October 30, 1962, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

(signed) FRANK E. JOHNSON (for)

ACTING Director

WRGriswold/mm
12-12-62
cc: Director's Reading File
Region III (2) w/2 copies of Garrick ltr of 12/3/62
CA&A Division
Docket
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
12/11	on leave	500
12/11	Talbot	800
		120
		110
		100
		220

Duke Page Auto Co

Care Mrs. Ruby Wilson
~~Duke Page Auto Company~~
Spanish Fork, Utah

Re: DMEA-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract Idm-E437

Gentlemen:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated January 14, 1954, all minerals mined or produced from October 30, 1952, to October 30, 1962, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

Director

WRGriswold/mm
12-11-62
cc: Director's Reading File
Region III (2) w/2 copies of Garrick ltr of 12/3/62
CA&A Division
Docket
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
	Frame	500
12/10	Talbert	800
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		100
		220

Duke Page Auto Company

Spanish Fork, Utah

Re: DMEA-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract Idm-2437

Gentlemen:

By the terms of the subject Exploration Project Contract, as amended, and the certification of discovery or development dated January 14, 1954, all minerals mined or produced from October 30, 1952, to October 30, 1962, were subject to the Government's percentage royalty as set forth in said contract.

As the period during which production was subject to royalty has now expired, the Government according to its present records retains no claim or lien against the property subject to the contract or any future production therefrom. We, therefore, are closing our books and records on this contract. Your attention, however, is called to the provisions of the contract which require the Operator to keep and preserve certain records for the periods indicated.

Sincerely yours,

Director

WRGriswold/mm
12-10-62
cc: Director's Reading File
Region III (2) w/2 copies of Garrick ltr of 12/3/62
CA&A Division
✓Docket
Code 500

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION
Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED NOV 28 1962

DATE		
11-29		100
11/29		120
11/29		800
	Grashwold	500

November 26, 1962

Memorandum

To: George C. Selfridge, Chief
Division of Field Operations, OME
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: Docket DMEA-2672 (Lead-Zinc)
Contract Idm-E437
Duke Page Auto Company
(Evelyn Mine)
Juab County, Utah
EXPIRATION OF CERTIFIED DMEA CONTRACT

The royalty payment period of this project expired October 30, 1962.

The Report of Royalty Review dated June 11, 1959 states that no royalty has been paid to the Government, and that field reports indicate no ore has been shipped from the property.

The Operator reported no ore was produced from the property from January 1, 1959 to August 9, 1961.

On November 13, 1962, I visited the office of Page, Inc., Spanish Fork, Utah and obtained the following information from Mr. J. O. Harrison. Mr. Duke Page, President of the Duke Page Auto Company, Mr. Harrison's father-in-law, died early in 1962, and correspondence concerning Mr. Page's estate should be addressed to Mrs. Ruby T. Wilson, Page, Incorporated, Spanish Fork, Utah. Mr. Harrison, also reported that the Evelyn mine has remained inactive since about 1955 when all equipment was removed from the property.

On November 15, 1962, Mr. Glen Larsen, Operator of Contract OME-2129, and I observed, from a point near the mine, no evidence of recent activity on the property. There was no equipment or buildings on the property and the mine road was washed out in

Contract

many places. Mr. Larsen, who is well posted on mining activity in this district, said that he is reasonably sure the Evelyn mine has not been worked since about 1955. Also, according to a rumor, a truck load of low-grade stockpiled ore obtained several years ago from one of the mines in this area, was sold for less than the cost of loading and hauling.

I later reviewed our files on this project and found that a stock-pile at the Evelyn mine in 1956 contained an estimated less than 10 tons of ore assaying 10 to 20 percent lead. Since a close-up inspection was not made, I do not know if the ore remains on the property or if it has been removed. Mr. Howe, who inspected the property for the DMEA in 1956, told me today that because the stock-pile was not sharply defined it would be difficult to determine if the ore had been removed. Also, that the cost of loading and hauling this ore to a smelter would exceed its market value. I concur in this opinion.

I recommend that this account be closed.

Hugh M. Connors

TMR

P.S. This memorandum contains the information requested in yours of November 21, 1962.

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
	Griswold	500
11/21	GCS	120
"	Johnson	110
"	Jensen	100
		220

NOV 21 1962

Memorandum

To: Acting Field Officer, Region III

From: Chief, Division of Field Operations

Subject: DMEA-2672 (Lead)
Duke Page Auto Co.
Evelyn Mine
Juab County, Utah
Contract Idm-E437

Within the past four months we have twice sent Form 63's to the referenced operator, at Payson, Utah, but have received no answer. The last was sent registered mail and the return card bears the signature of Ruby Wilson, presumably an employee.

Since the royalty period has expired, we would like to close this docket. Could you obtain any information for us?

George C. Selfridge

WRGriswold/mm
11-20-62
cc: Director's Reading File
Docket
Code 500

43683

MME Form 7
(10-58)

OFFICIAL FILE COPY

Date	Surname	Code
6/16	G	220
6/23	[illegible]	500
		225

JUN 15 1959

Memorandum

To: Mr. Donald T. Finch, OME Auditor

From: E. D. Talbert, Acting Chief (Signed) E. D. Talbert
Contract Administration and Audit Division

Subject: Docket No. DMEA-2672 (Lead)
Duke Page Auto Company
Contract No. Idm-E437

Your Report of Royalty Review on the subject contract is acceptable and distribution of the regional copies is authorized.

EDTalbert/ama
June 16, 1959

Copy to: Docket
Director's Reading File
Code 800

43683

UNITED STATES
DEPARTMENT OF THE INTERIOR

BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 12, UTAH

DMEA
DEPARTMENT OF THE INTERIOR
DEC 7 1956
REGION III
DENVER, COLORADO

December 5, 1956

Memorandum

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

From: Stephen R. Wilson

Subject: Docket No. DMEA-2672 (Lead-zinc), Contract Idm-E437, Duke Page Auto Co. (Evelyn mine), Juab County, Utah.

Reference is made to your memorandum dated November 26, 1956, wherein you have requested information relative to ore stockpiled at the Evelyn mine. The attached memorandum prepared by M. H. Howes describes the extent of the stockpiled ore. The property has been inactive since 1954 and no ore has been added to the stockpile since this date.

Stephen R. Wilson
Stephen R. Wilson

Enclosure

cc: J. B. Clemmer

COPY TO:
SEC OPR COMM (2)
12/7/56

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 12, UTAH

DMEA
DEPARTMENT OF THE INTERIOR
DEC 7 1956
REGION III
DENVER, COLORADO

December 5, 1956

Memorandum

To: S. R. Wilson

From: M. H. Howes

Subject: Docket No. DMEA-2672 (Lead-zinc), Contract Idm-E437, Duke Page Auto Co. (Evelyn mine), Juab County, Utah. Memorandum report indicating the nature and extent of the reported stockpile

Ore extracted in the normal process of sinking and drifting during the DMEA project work from November 1952 through July 1953, and during later exploratory work by the operator in 1954, was stockpiled on the dump at the portal of the tunnel.

It is estimated that the stockpile contains less than 10 tons of ore assaying 10 to 20 percent lead.

M. H. Howes

M. H. Howes

COPY TO
SEC CIR-12 COMM (2)
12/7/56

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

224 New Customhouse
Denver 2, Colorado

November 29, 1956

Memorandum

To: S. R. Wilson

From: Executive Officer, DMEA Field Team, Region III

Subject: Docket DMEA 2672 (Lead-Silver), Contract Idm-E437, Duke Page Auto Company (Evelyn Mine), Juab County, Utah

By report, "Ore Shipment and Royalty Data - Month of October 1956", ore is being stockpiled as a result of the above subject contract.

As the Operator has made no report of production sales, it may be deemed appropriate to require computation and payment of royalty on the value of unsold production. In this connection, please have an engineer from your office submit a brief memorandum indicating the nature and extent of the reported stockpile.

Original signed
W. M. TRAVER

W. M. Traver

MEM/vj

cc: Royalty File E437
Corres. File E437
Sec. Opr. Comm. (2)
Marshall
Chron.

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROYALTY REPAYMENTS
AS OF AUGUST 31,1954

OPERATOR

Duke Page Auto Company (c)

CONTRACT NO.

E-437

DOCKET NO.

2672

DATE OF CERTIFICATION

1/14/54

AMOUNT REPAYABLE

$8,813.50

REC EIVED DURING AUGUST

$ -

TOTAL RECEIVED

$ -

DATE OF LAST RECEIPT

- - -

DEFENSE MINERALS EXPLORATION ADMINISTRATION

ROYALTY REPAYMENTS
AS OF JULY 31,1954

OPERATOR

Duke Page Auto Company (c)

CONTRACT NO.

E-437

DOCKET NO.

2672

DATE OF CERTIFICATION

1/14/54

AMOUNT REPAYABLE

$8,813.50

RECEIVED DURING JULY

$ -

TOTAL RECEIVED

$ -

DATE OF LAST RECEIPT

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

224 New Customhouse
Denver 2, Colorado

June 9, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket DMEA 2672 (Lead-Zinc), Contract Idm-E437, Duke Page Auto Company, Juab County, Utah

Enclosed are the following final reports pertaining to work completed under the subject contract:

1. Original and one copy of the operator's final report.

2. Original and ~~two~~ 3 copies of the final geologic report by the U.S. Geological Survey

3. Original and three copies of the final engineering report by the Bureau of Mines.

The work completed was in conformance with the contract and the operator has complied with all contract requirements. Final payment to the operator was processed by this office March 18, 1954, in conformance with the report of review by the Contract Administration and Audit Division dated February 23, 1954, which was released to this office March 16, 1954.

The project work consisted of 33 feet of winze rehabilitation, 180 feet of winze sinking, and 300 feet of drifting, at a total accepted cost of $17,627.00, in which the Government participated to the extent of 50% or an amount of $8,813.50.

The exploration work resulted in the discovery or development of a small amount of lead ore on which a certification of such was issued January 14, 1954.

W. H. King

W. H. King

E. N. Hauchman

for A. H. Koschmann

Enclosures

Open File Rpt.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Date Rec'd
JAN 13 1954
BUREAU OF MINES
Denver, Colorado

January 14, 1954

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2672 (Lead), Contract Idm-E437, Duke Page Auto Co., Juab County, Utah

Attached are five copies of a final report prepared by the operator covering work under the subject contract. The report is brief and adds little to the information already contained in the MF-104 forms. However, it is recommended that the report be accepted, inasmuch as it is doubtful that the operator will be able to supply a more detailed report.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

December 1, 1953

Bureau of Mines
DEC 14 1954

Mr. S. R. Wilson
Bureau of Mines
1600 East First South St.
Salt Lake City, Utah

Dear Sir:

Enclosed please find five (5) copies of our final report.

We started work on November 11, 1952 and worked according to the contract. We rehabilitated 33 feet of winze at the cost of 452; then we sunk a winze 80 ft @ 53.75 per foot or 4380; then we drifted 180 feet @ 25.00 per foot or 4500. This was the 1st part of our contract or stage one (1). It looked encouraging as we had a small streak of lead from four (4) inches to two (2) feet in the last eighty (80) feet of our drift.

You then gave us permission to work on the second part of the contract or stage two (2). We sank 100 ft @ 53.75 or $5375.00 and then we drifted 100 ft @ $25.00 or $2000.00.

This did not turn out as expecte or hoped, but we have not given up. We are still working. As to the contract there is still a balance of $662.50 due us, as I explained in my last report.

Mr. Wilson, I want to thank you again for your fine support and I will keep in touch with you and let you know what we are doing and what the results are.

Yours Very Truly

Duke Page

Duke Page

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

224 New Customhouse
Denver 2, Colorado

June 9, 1954

Memorandum

To: Secretary to the Operating Committee, DMEA

From: DMEA Field Team, Region IV

Subject: Docket DMEA 2672 (Lead-Zinc), Contract Idm-E437, Duke Page Auto Company, Juab County, Utah

Enclosed are the following final reports pertaining to work completed under the subject contract:

1. Original and one copy of the operator's final report.

2. Original and ~~two~~ 3 copies of the final geologic report by the U.S. Geological Survey.

3. Original and three copies of the final engineering report by the Bueau of Mines.

The work completed was in conformance with the contract and the operator has complied with all contract requirements. Final payment to the operator was processed by this office March 18, 1954, in conformance with the report of review by the Contract Administration and Audit Division dated February 23, 1954, which was released to this office March 16, 1954.

The project work consisted of 33 feet of winze rehabilitation, 180 feet of winze sinking, and 300 feet of drifting, at a total accepted cost of $17,627.00, in which the Government participated to the extent of 50% or an amount of $8,813.50.

The exploration work resulted in the discovery or development of a small amount of lead ore on which a certification of such was issued January 14, 1954.

/s/ W. H. King

/s/ E. N. Harshman for
A. H. Moschmann

Enclosures

Field Team Final Rpt.

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Denver Federal Center
Denver 2, Colorado

May 28, 1954

Memorandum

To: DMEA Field Team, Region IV

From: A. H. Koschmann

Subject: DMEA Docket 2762, Evelyn Mine, Duke Page Auto Company property, Juab County, Utah

Enclosed are 9 copies of the final geologic report by R. W. Osterstock and H. T. Morris of the U. S. Geological Survey covering the above docket.

Although small, sporadic, pods of oxidized lead ore were encountered and a Certificate of Discovery was issued on January 14, 1954, no further work is recommended.

E. N. Hauchman
for A. H. Koschmann
Supervising Geologist
Colorado-Wyoming

Enclosures (9)

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUN 14 1954

Room 208, 222 So. West Temple
Salt Lake City 1, Utah
May 25, 1954

Memorandum

To: A. H. Koschmann, Field Team, Region IV

From: R. W. Osterstock for R. J. Roberts

Subject: DMEA Docket 2762, Evelyn Mine, Duke Page Auto Co. property, Juab County, Utah.

Enclosed are nine copies of the final geologic report on the Evelyn mine, DMEA Docket 2762, by R. W. Osterstock and H. T. Morris, geologists, U. S. Geological Survey.

The Duke Page Auto Co., Spanish Fork, Utah, was granted a DMEA loan to explore for lead ore in the Evelyn Mine in the Diamond area of the Tintic mining district, Utah.

Ore mineralization in the Evelyn area is confined to an east striking, steeply north dipping fissure cutting an intrusive latite porphyry. The entire DMEA exploration project was carried on in the fissure zone which was shown to be persistent both in strike and dip. No significant discoveries of lead ore were exposed during the course of the exploration project, however, sporadic, small shoots and pods of oxidized lead ore were encountered and a certification of discovery was issued January 14, 1954.

It is estimated that a maximum of 1,500 tons of inferred class ore reserves of marginal grade are present in the Evelyn mine. Further exploration on the property for additional ore bodies of the size and grade of those thus far encountered in the mine workings does not appear to be warranted.

R. W. Osterstock
Dwc

for - Ralph J. Roberts

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

EVELYN MINE

JUAB COUNTY, UTAH

DMEA DOCKET 2672

FINAL GEOLOGIC REPORT

By R. W. Osterstock and H. T. Morris
U. S. Geological Survey

Reviewed by
DMEA OPERATING COMMITTEE
6-18-54
(date)

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ILLUSTRATIONS

Figure 1. Index map of Central Utah.

Figure 2. Geologic map of the Evelyn Mine.

DMEA Docket 2672 (lead) Evelyn Mine, Duke Page
Auto Co. property, Juab County, Utah

FINAL GEOLOGIC REPORT

SUMMARY

A DMEA loan totaling $17,707.00 was granted to Duke Page of the Page Automobile Company on October 30, 1952 to carry out exploration for lead ore in the Evelyn mine, Juab County, Utah. A total of $17,627.00 was expended during the course of the project, which was completed on July 31, 1953.

The Evelyn mine is located in the southeastern part of the Tintic Mining district in sections 17 and 18 T. 11 S., R. 2 W., SLB and M. The mine workings develop and explore an east trending, steeply north dipping fissure that cuts the Sunrise Peak stock, a Tertiary latite porphyry intrusive that cuts genetically related tuffs and flow rocks.

The exploration program was set up in two stages: Stage 1 to consist of sinking 80 feet from an existing 33 foot winze and to include 180 feet of drifting from the new 113 level, and Stage 2 (dependent upon the results of Stage 1) to consist of an additional 100 feet of sinking to the 213 level with 120 feet of drifting on the 213 level. All of the work was to be conducted on the Evelyn fissure.

No significant discoveries of lead ore were exposed during the course of the exploration project, however, it was demonstrated that the Evelyn fissure is persistent down dip and does contain small pockets of low to moderate grade lead ore at irregular intervals. A certification of discovery was issued January 14, 1954. No additional exploration for lead ore can be recommended on the basis of the information gained as a result of the DMEA exploration program.

INTRODUCTION

Duke Page of Spanish Fork, Utah applied for a loan during 1952 to aid in exploration for lead ore in the Evelyn mine in the Diamond area of the Tintic mining district, Juab County, Utah. This application is part of DMEA Docket 2672. The property was examined by J. F. Haynes and M. M. Harcourt of the U. S. Bureau of Mines and Don Laub of the U. S. Geological Survey during September, 1952. The property was recommended for a loan, and on October 30, 1952 contract Idm-E340 was comsumated authorizing a total expenditure of $17,707.00 to carry out exploration in two stages. Stage 1 was to consist of: (1) rehabilitating 33 feet of existing winze, (2) sinking the winze an additional 80 feet and drifting the fissure a total of 180 feet. Stage 2 was dependent upon the results of Stage 1 and was to consist of sinking the winze an additional 100 feet and drifting a total of 120 feet on the lowest level. Work on the project began November 11, 1952 and was completed as outlined in the contract on July 31, 1953. A total of $17,627.00 was expended during the course of this project.

The examination for the final geologic report was conducted by R. W. Osterstock and H. T. Morris, geologists, U. S. Geological Survey.

Location and Accessibility

The Evelyn mine is located in the Diamond area of the Tintic mining district, Sec. 17 and 18, T. 11 S., R. 2 W., SLB and M, Juab County, Utah. The mine is reached by traveling 8 miles southerly from Eureka, Utah on U. S. Highway 6, then 3 miles easterly on an unimproved and unmarked dirt road. The five claims comprising the Evelyn group are situated on the southwest slope of Sunrise Peak, one of the more prominent topographic features of the East Tintic Mountains.

History and Production

The earliest known work on this property is thought to have been started about 1904. A vertical shaft reported to be 160 feet deep was sunk to approximately the level of the present main haulageway. The shaft is now caved and is no longer accessible. Intermittent operations at the property have accounted for an unknown amount of drifting and stoping from the shaft. More recently the present adit level was driven in to intersect the main fissure and in so doing some of the older caved workings from the shaft were encountered.

Duke Page, prior to the DMEA contract, sunk a 33 foot winze from the adit level on the main fissure 170 feet west of the shaft; short drifts were driven along the fissure from this winze. Small stopes from the 33 level to the main level produced approximately 80 tons of ore of unknown grade. Page also shipped 20 tons of ore from the old shaft dump. This ore averaged 12 percent lead, 6 ounces silver, and .03 ounces gold per ton.

Data on the total production of the Evelyn mine is scanty but it is estimated that up to the start of the DMEA project it was no greater than a few hundreds of tons.

GEOLOGY

The only rock exposed in the workings of the Evelyn mine is Tertiary latite porphyry, an intrusive rock genetically related to the slightly earlier latite tuffs and flow rocks that it cuts. Over most of the area the intrusive latite is quite fresh; it is gray green in color, distinctly porphyritic and hard and dense. As the vein zones are approached, the feldspar phenocrysts show a slight alteration and a thin zone immediately adjacent to the fissure is intensely altered with almost complete decomposition of the principal rock forming minerals.

The only noteworthy structural feature in the Evelyn mine area is the east trending, north dipping fissure that is exposed in the mine workings. This easterly

trend is approximately at right angles to most of the major fault fissures and vein zones in the district. Although displacement along the Evelyn fissure can not be accurately determined it is likely that the movement was not great; however, gray to brown plastic clay gouge is prominent along the entire exposed length of the fissure.

ORE DEPOSITS

The ore mineralization in the Evelyn mine is confined to the east trending, north dipping Evelyn fissure. None of the few branching fissures recognized in the mine have been mineralized and the wall rocks likewise are unmineralized.

Ore minerals present are: galena, sphalerite, and possibly some tetrahedrite or freibergite in a gangue of pyrite, quartz barite and clay gouge. Most of the galena has been converted to secondary lead sulfate and carbonate, although remnants of galena may be found enclosed in cerussite. The pyrite is almost entirely oxidized to "limonite". A slight increase in the proportion of sulfides to carbonates is apparent on the 213 level of the mine.

Two forms of quartz are present in the fissure, an earlier dense type that is much fractured and a later terminated-crystal type that coats the dense quartz and partly fills open spaces. The ore minerals appear to have been deposited contemporaneously with or slightly later than the late quartz.

Ore bodies exposed along the Evelyn fissure range in width from a few inches to about 3 feet. They are extremely sporadic in occurrence but seem to be localized to some extent on the flanks of a gentle northeasterly plunging bulge on the Evelyn fissure. The bulge appears to be more pronounced on the 213 level than on the tunnel level (see fig. 2).

EXPLORATORY WORK

The exploration project, contract Idm-E 340, was designed to explore the downward extensions of the Evelyn fissure in two stages. Stage 1 consisted of rehabil-

itating the existing 33 foot winze, sinking 80 feet to the 113 level and driving 180 feet on this level. Stage 2 was dependent upon the results of Stage 1 and consisted of sinking the winze an additional 100 feet to the 213 level and driving 120 feet on this level. Stage 2 was authorized when it was effectively demonstrated by Stage 1 exploratory work that the Evelyn fissure was persistent both along the strike and dip and that ore mineralization occurred down dip at least to the 113 level. A suggestion of a bulge in the fissure noted on the 113 level was substantiated by drifting on the 213 level. Sporadic small pods and shoots of ore were exposed on both the 113 and 213 levels.

ORE RESERVES

Underground workings from the tunnel level have exposed the Evelyn fissure over a strike length of about 220 feet and about 270 feet down dip. The persistence of the fissure indicates that it may be projected along strike at least 200 feet further east. The topography prevents effective projection to the west except at depth. The sporadic occurrence of the ore shoots, their lack of uniformity of size and grade and the swelling and pinching nature of the vein permits the estimation of only inferred class ore reserves. In the block of ground now exposed along the strike and dip of the Evelyn fissure as well as a projected block of similar dimensions to the east, it is estimated that the property contains no more than 1,500 tons of inferred ore averaging 10 percent lead and 2 ounces of silver. This is a maximum estimate of inferred ore reserves, and it is highly possible that a much smaller reserve of ore is present in this block of ground.

CONCLUSIONS AND RECOMMENDATIONS

The DMEA program at this property has effectively demonstrated the persistence of the east trending, north dipping, Evelyn fissure both along strike and down dip. Small pods and shoots of wholly or partly oxidized ore, have been exposed in the

fissure, however, most are of insufficient size and warrant mining. The alteration zone along the fissure is very thin and gives way to fresh latite porphyry a short distance into the walls thus suggesting that only a small volume of solution moved through the fissure. It is estimated that the property contains a maximum of 1,500 tons of inferred ore of only marginal grade.

Neither the persistence of the Evelyn fissure nor the slight ore-locallizing effect of the gentle northeast plunging bulge on the fissure are sufficiently encouraging to warrant further exploration on the property for additional ore bodies of the size and grade of those thus far encountered in the mine workings.

It is recommended that there be no further government participation in exploration work in the Evelyn mine unless future work in the area develops more encouraging information.

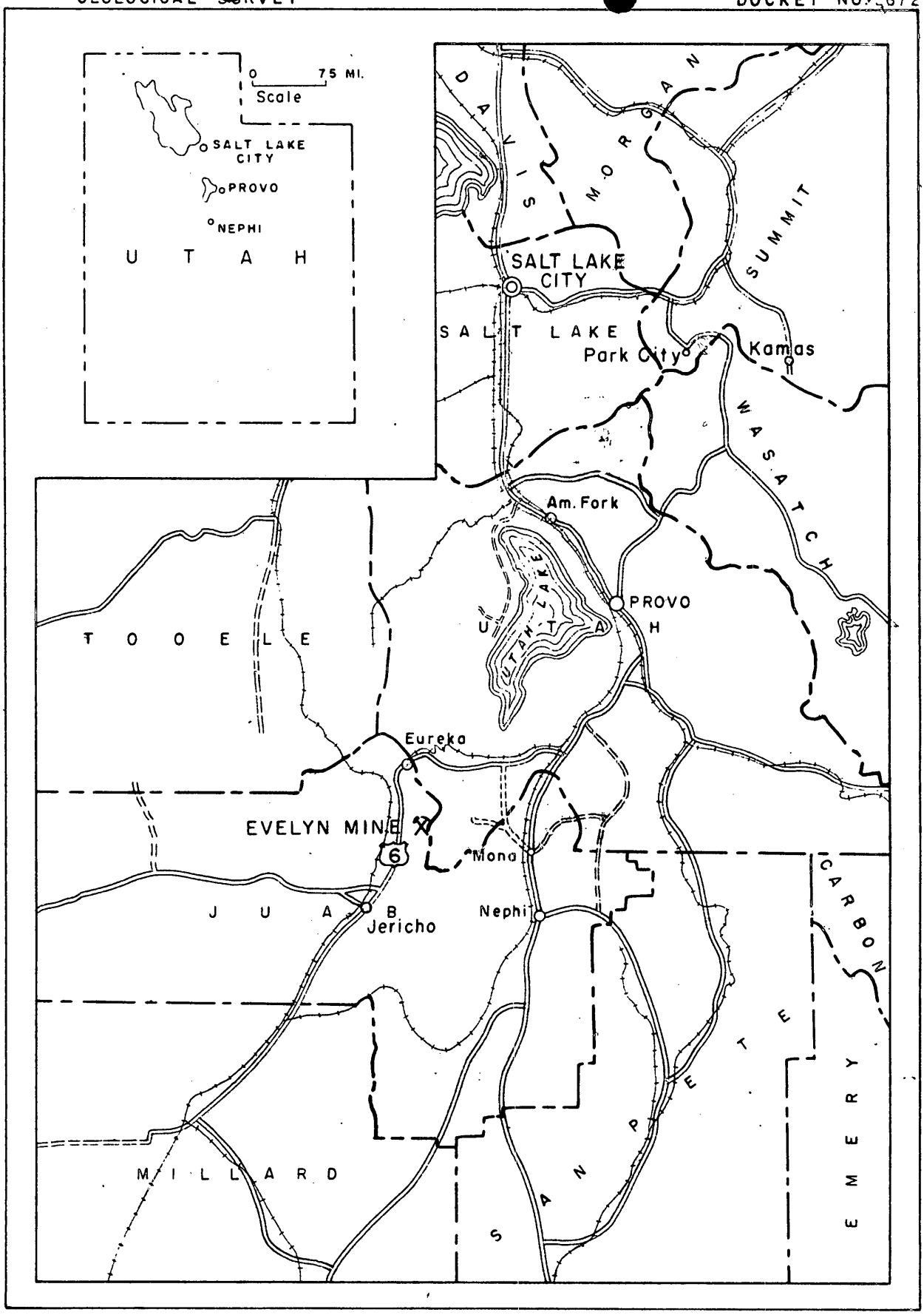

FIG. 1 INDEX MAP OF CENTRAL UTAH

0 5 10 15 20 MILES
Scale

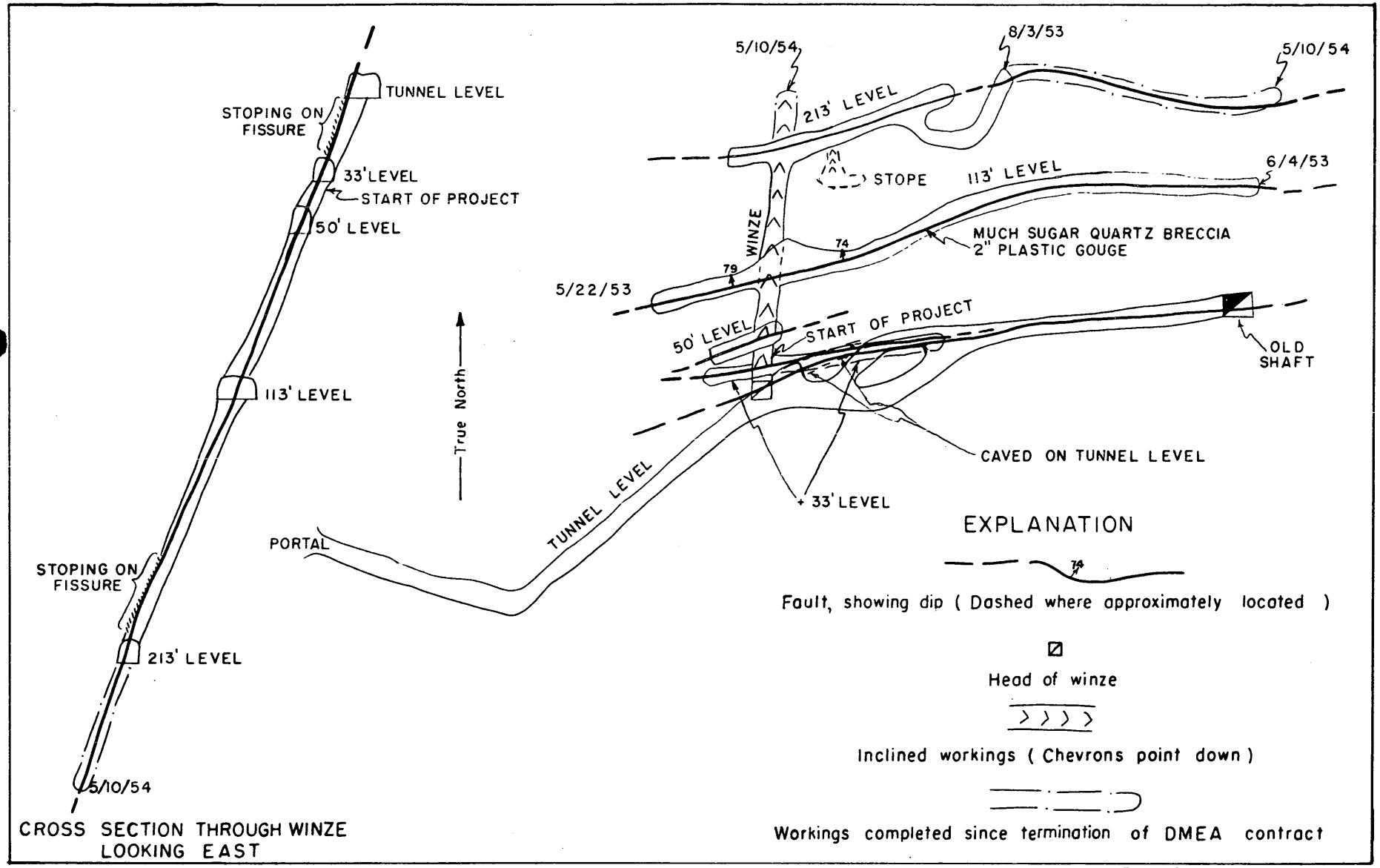

FIG. 2

Part of map taken from USBM.
Geology by R.W. Osterstock & H.T. Morris 5/10/54

GEOLOGIC MAP OF THE EVELYN MINE
DIAMOND DIST., JUAB COUNTY, UTAH

0 50 100 150 ft.
Scale

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

Mining Division
Date Rec'd.
JAN 13 1954
BUREAU OF MINES
Denver, Colorado

January 14, 1954

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2672 (Lead), Contract Idm-E437, Duke Page Auto Co., Juab County, Utah

Attached are the original and eight copies of a final engineering report covering work accomplished under the subject contract. The report was prepared by M. H. Howes, who served as inspecting engineer throughout the life of the contract.

The exploratory work resulted in the discovery of small lead ore bodies. A certification of discovery has been recommended.

Stephen R. Wilson

Stephen R. Wilson

Enclosures

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

DUKE PAGE AUTO CO.
JUAB COUNTY, UTAH
DMEA-2672
Contract Idm-E437
Lead

Final Engineering Report

By M. H. Howes
Mining engineer
Bureau of Mines

Reviewed by
DMEA OPERATING COMMITTEE

_____
(date)

DUKE PAGE AUTO CO.
JUAB COUNTY, UTAH

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Exploration project contract	4
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ILLUSTRATIONS

Fig. 1 Plan and section, Duke Page Auto Co., Juab County, Utah

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

Exploratory work at the Evelyn mine of the Duke Page Auto Co. was started November 11, 1952, under Docket No. DMEA 2672 (Lead), Contract Idm-E437 (short form) dated October 30, 1952. The project was completed during July 1953. Duke Page, president, Duke Page Auto Co., Spanish Fork, Utah, is the operator. The Evelyn mine, consisting of five unpatented lode mining claims, is located about 7 miles southeasterly from Eureka in the Tintic mining district, Juab County, Utah.

The project was conducted in two stages. Stage 1 consisted of rehabilitating 33 feet of existing winze, sinking 80 feet to the 113-foot level, and drifting 180 feet on the 113-foot level. Stage 2 was started after the satisfactory completion of Stage 1. Stage 2 consisted of sinking the winze 100 feet to the 213-foot level, and drifting 120 feet on this level. The total cost of the project was $17,627.00, of which the Government's share, at 50 percent, was $8,813.50.

The exploratory project was carried out entirely along a mineralized fault fissure that varies in strike from N. 70° E. to due east and dips from 65° to 75° northwesterly. The fissure cuts through latite porphyry. Mineralization in the fissure, where exposed, has been oxidized. Lead ore, consisting of galena remnants surrounded by lead carbonate and occurring from 1 inch to over 3 feet in width, was encountered in the fissure throughout most of the workings. The fissure

filling contains from a trace to over 48 percent lead, and silver in a ratio of about 3 percent lead to 1 ounce silver. Gold and zinc are negligible. It is estimated that the deposit contains a minable reserve of 2,000 to 4,000 tons of ore assaying 10- to 20- percent lead. No ore has been marketed to date, although several tons mined during the project work has been stockpiled on the mine dump.

It is concluded that although the fault fissure is strongly mineralized, no large ore bodies will be found, unless unknown larger structures or zones receptive to ore deposition are encountered in the further development of the property.

No recommendation is made for Government participation in additional exploratory or development work at the Evelyn mine.

INTRODUCTION

Duke Page, president of Duke Page Auto Co., Spanish Fork, Utah, made application during 1952 for a DMEA loan to explore for lead ores at his Evelyn mine. The property was examined by representatives of the Bureau of Mines and Geological Survey in September 1952, and recommendation was made that the company be granted a loan. A contract was prepared, and on October 30, 1952, it was signed. The project was started November 11, 1952. Work consisted of rehabilitation of 33 feet of existing winze, sinking the winze 180 feet, and drifting 300 feet on the 113- and 213-foot levels.

LOCATION

The Evelyn mine is located in the Tintic mining district, Juab County, Utah, in Secs. 17 and 18, T. 11 S., R. 2 W., S.L.B. & M. The claims lie on the southwest slope of Sunrise Peak in the East Tintic Mountains, about 7 miles southeasterly from Eureka. The area may be reached by following U. S. Highway 6 for a distance of 8 miles southerly from Eureka, and thence 3 miles easterly by dirt road.

OWNERSHIP AND EXTENT

The Duke Page Auto Co. is the owner of the following five unpatented lode mining claims: Evelyn, Evelyn No. 1, Evelyn No. 2, Evelyn No. 3, and Evelyn No. 4, all recorded in Book 117, pages 331 through 333, in the County Recorder's office at Nephi, Utah.

EXPLORATION PROJECT CONTRACT

Docket No. DMEA-2672 (Lead), Contract Idm-E340, was signed October 30, 1952. The contract was prepared on the short form and allows an expenditure of $452.00 for rehabilitating 33 feet of existing winze, $9,675.00 for sinking 180 feet of winze at $53.75 per foot, and $7,500.00 for driving 300 feet of drifts at $25.00 per foot. Total allowable cost of the project as stated in the contract is $17,707.00. According to units and unit costs, as set forth in the contract, the total allowable cost of the project should be $17,627.00. Government participation at 50 percent of the total allowable cost is stated in the contract to

be $8,853.50 and should be $8,813.50, according to contract units and unit costs. Contract Amendment No. 1 allows 10 months from the date of the contract to complete the project, instead of the originally designated 8 months. The contract describes the work as follows: "Exploration down the dip of the mineralized zone will be accomplished in two stages: Stage 2 is dependent upon the results of Stage 1, and consists of sinking the winze 100 feet to the 213-foot level and driving a total of 120 feet of drifts and/or raises on this level. Locations of all drifts and raises must have prior approval of the DMEA representative."

DESCRIPTION OF WORK COMPLETED

The project was started on November 11, 1952. Stage 1 was completed by rehabilitating the 33 feet of existing winze, sinking 80 feet to the 113-foot level, and drifting 40 feet in a westerly direction and 140 feet in an easterly direction on this level. Stage 2 was completed by sinking the winze 100 feet to the 213-foot level, and drifting 15 feet in a westerly direction and 105 feet in an easterly direction on this level. All of the above-described work was done in the mineralized zone.

The operator completed the contract work in a competent and minerlike manner, leaving the workings open, clean and well timbered where necessary.

GEOLOGY

The predominant rock in the immediate vicinity of the Evelyn mine is latite porphyry. Except along the mineralized fault zone, it is

fresh and very little disturbed. The fault fissure, along which most of the mine workings have been driven, strikes from N. 70° E. to due east, and dips from 65° to 75° northwesterly. Displacement on the fissure is undetermined, but apparently not great. The fissure is mineralized and the filling oxidized practically throughout its exposed extent. Lead mineralization from 1 inch to over 3 feet wide was encountered in the fissure in nearly all of the exploratory workings. Remnants of galena with surrounding lead carbonate constitute the chief ore minerals and are found in a gangue of quartz, iron, and manganese oxides and gouge. Lead content varies from a trace to over 48 percent. Silver occurs in the ratio of about 3 percent lead to 1 ounce silver. Gold and zinc contents are low.

ORE RESERVES

Exploratory workings have exposed the fissure 200 feet down dip and 215 feet along the strike. Because of the erratic nature of the thickness and grade of the ore, it is difficult to make an accurate estimate of minable reserves. However, from the above-described facts and observation, it is estimated that the property contains a minable reserve of 2,000 to 4,000 tons of ore assaying 10 to 20 percent lead.

EXPENDITURES

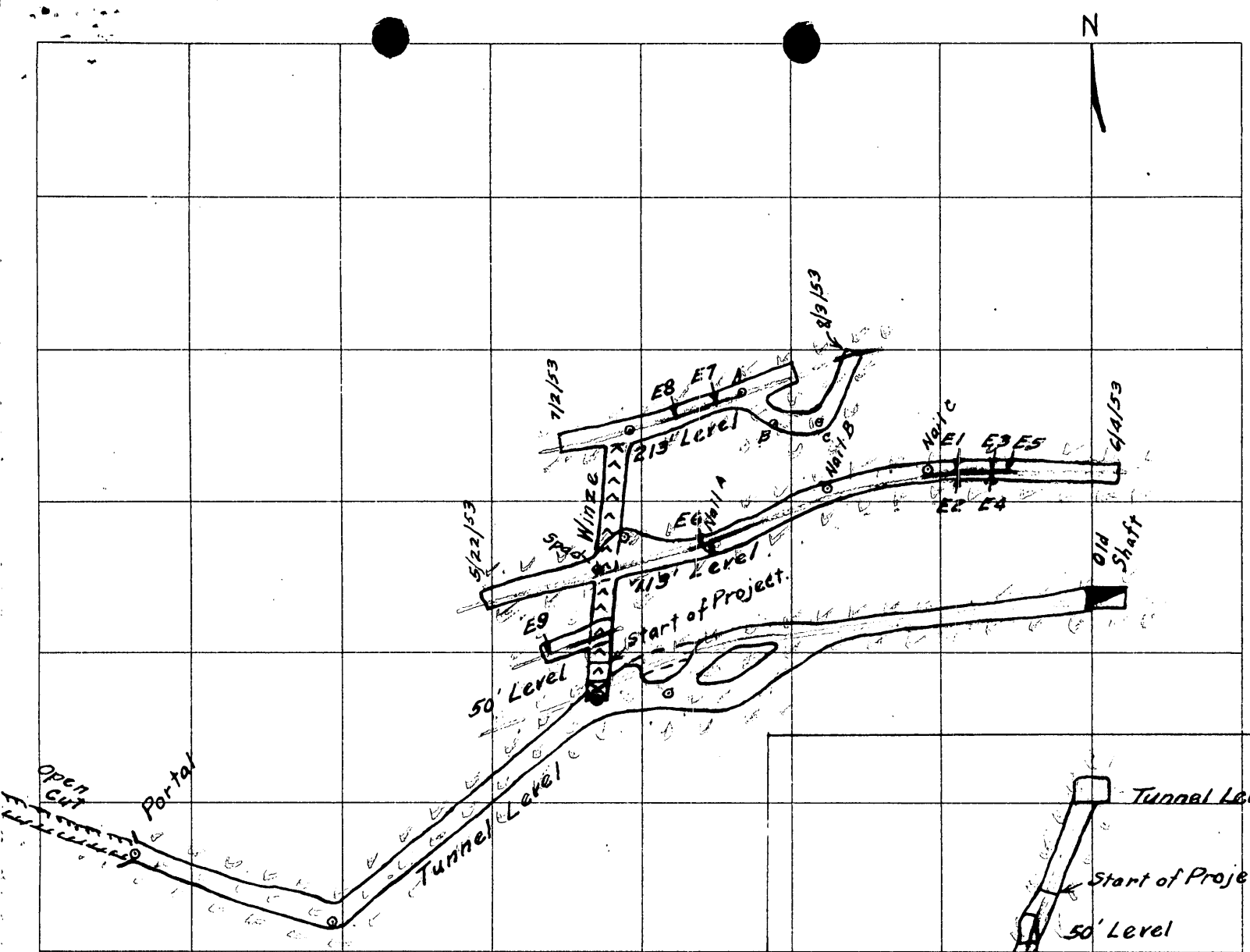
The contract allows a total expenditure of $17,627. This amount was used to complete 33 feet of winze rehabilitation, 180 feet of winze sinking and 300 feet of drifting on two levels. The Government's share of the expenditures is $8,813.50.

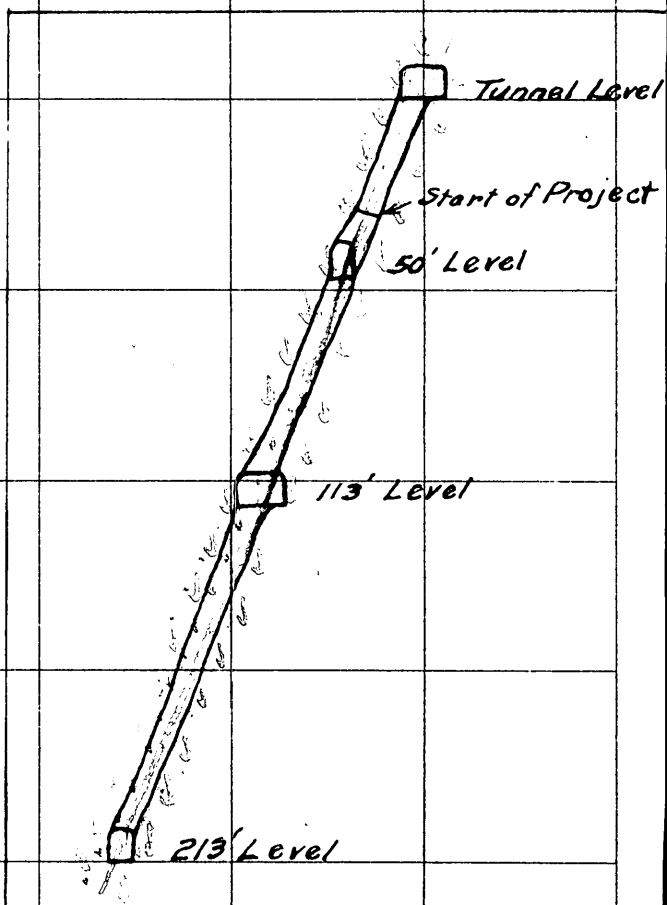
CONCLUSIONS AND RECOMMENDATIONS

The exploratory project was carried out entirely along a mineralized fault fissure that varies in strike from N. 70° E. to due east and dips from 65° to 75° northwesterly. The fissure cuts through latite porphyry. Mineralization in the fissure, where exposed, has been oxidized. Lead ore, consisting of galena remnants surrounded by lead carbonate and occurring from 1 inch to over 3 feet in width, was encountered in the fissure throughout most of the workings. The fissure filling contains from a trace to over 48 percent lead, and silver in a ratio of about 3 percent lead to 1 ounce silver. Gold and zinc are negligible. It is estimated that the deposit contains a minable reserve of 2,000 to 4,000 tons of ore assaying 10- to 20-percent lead. No ore has been marketed to date, although several tons mined during the project work has been stockpiled on the mine dump.

It is concluded that although the fault fissure is strongly mineralized, no large ore bodies will be found, unless unknown larger structures or zones receptive to ore deposition are encountered in the further development of the property.

No recommendation is made for Government participation in additional exploratory or development work at the Evelyn mine.





List of Assays

Sample No.	Cut		Au (oz)	Ag (oz)	Pb %	Zn %
E1	2' Cut	H.W.	0.02	4.1	14.6	0.6
E2	2' "	F.W.	0.005	0.5	1.9	0.3
E3	14" "	H.W.	0.005	0.5	3.4	0.45
E4	18" "	F.W.	<0.005	0.5	0.4	0.6
E5	1' "			1.3	15.1	0.4
E6	2' "			2.1	13.4	0.3
E7	3' "			20.5	29.3	0.2
E8	1' "			6.3	16.3	0.2
E9	3' "			0.5	0.2	0.1

Docket No. DMEA-2672 (Lead)
Contract Idm-E 437

Duke Page Auto Co.

Cross Section
Thru Winze
Looking East

Fig. 1

MINE Evelyn Mine LOCATION Juab County, Utah LEVEL Composite
GEOLOGY BY N.H.H. SURVEY Brunton SCALE 1" = 50' DATE

GENERAL SERVICES ADMINISTRATION

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JAN 20 1954

Emergency Procurement Service
Washington 25, D. C.

January 19, 1954
In Reply Refer To: EDE

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

Re: Docket No. DMEA-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract No. Idm-E437

Dear Mr. Mittendorf:

This will acknowledge receipt of your letter of January 14, 1954, addressed to Mr. Irving Gumbel, transmitting information on the above subject.

Thank you for this information.

Very truly yours,

R. C. Fleming
Acting Chief
Expansion Branch

FILE COPY
SURNAME:

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

JAN 14 1954

Mr. Duke Page, President
Duke Page Auto Company
Spanish Fork, Utah

Re: Docket No. DMEA-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract No. Idm-E437

Dear Mr. Page:

Transmitted herewith is a "Certificate of Discovery or Development" related to the Exploration Project Contract No. Idm-E437, dated October 30, 1952, on the lands described in the contract.

By the terms of the Exploration Project Contract and of the Certification, all production from the lands described in the contract, after October 30, 1952, the date of the contract, is subject to the Government's percentage royalty as set forth in the said contract until the sum which the Government has advanced as its participating interest is repaid, or until October 30, 1962, whichever occurs first.

Payments should be made to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, 224 New Customhouse Building, Denver 2, Colorado. Checks should be drawn in favor of the Treasurer of the United States. The purchaser should be advised to deduct the royalties from the amount due on each shipment and forward the checks to the Executive Officer.

Royalty payments to the Government should be accompanied by suitable evidence, such as copies of settlement sheets, showing quantity and grade of the products sold, the name of the purchaser, and the price and charges, certified to be correct by the purchaser.

You are requested to notify Mr. King of any changes in ownership or production rights that might affect the Government's right to its percentage royalty. Also, if production ceases at any time for an extended period please notify Mr. King at six-month intervals that such is the case.

Sincerely yours,
C. O. Mittendorf (for)
Administrator

Enclosure

Chron.
Mr. Hedges (4604
Mr. Thayer (5216, GSA)
Mr. F. E. Johnson
Mr. Griswold
Base Metals
Mr. Gumbel, Act. Dir., EPS
Amdr. R. File
Op. Committee
Griswold/bjl (1/8/54)
Copy to 1-Docket
Region IV (2)
Cont. Adm. & Audits

Reviewed
Rufin
Hoffhines
Grunke
Hedges
Lagn
Selfridge
Griswold

R.C.G.
1-14-54

FILE COPY
SURNAME

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

JAN 14 1954

Mr. Irving Gumbel, Acting Director
Materials Division
Emergency Procurement Service
General Services Administration
Washington 25, D. C.

Re: Docket No. DMEA-2672 (Lead)
Duke Page Auto Company
Evelyn Mine
Juab County, Utah
Contract No. Idm-E437

My dear Mr. Gumbel:

Enclosed is a copy of a "Certificate of Discovery or Development" related to Exploration Project Contract No. Idm-E437.

The contract was dated October 30, 1952, with the Government participating to the extent of 50 per cent in an exploration project estimated to cost $17,627.00. Actual expenditures are as yet subject to audit but are expected to total about this sum, with the Government's share half of such amount.

The total amount of work provided for under the contract consisted of shaft rehabilitation, 180 feet of winze sinking, and 300 feet of drifting. All such delineated work was completed.

The discovery consists of lead ores, with auxiliary amounts of silver, occurring in a fissure vein in latite porphyry rocks. The ore reserve indicated as a result of the exploration work is estimated to be 3,000 tons, with a grade of fifteen per cent lead.

Sincerely yours,

(fw)

Administrator

Enclosure

WRGriswold/bjl (1/8/54)
Copy to: Docket
Admr. R. File
Op. Committee
F. E. Johnson
Mr. Hedges (4604)
Mr. Thayer (5216, GSA)
Cont. & Audit Div.
Region IV (2)
Base Metals
Mr. Griswold
Chron.

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

224 New Customhouse
Denver 2, Colorado

December 30, 1953

Memorandum

To: Secretary to the Operating Committee
Defense Minerals Exploration Administration

From: Executive Officer, DMEA Field Team, Region IV

Subject: Recommendation for Certification, Contract Idm-E437, Docket DMEA 2672, Duke Page Auto Company, Juab County, Utah

Enclosed are four copies of Recommendation of Certification covering Contract Idm-E437.

W. H. King

W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

December 11, 1953

Memorandum

To: W. H. King, Executive Officer, DMEA Field Team, Region IV

From: Chief, Minerals Development Branch, Mining Division, Region IV

Subject: Docket No. DMEA 2672 (Lead), Contract Idm-E437, Duke Page Auto Co., Juab County, Utah. Recommendation for certification of discovery

Enclosed are six copies of a memorandum prepared by M. H. Howes concerning certification of discovery on the subject property. A plan and section map showing the work accomplished under the contract is attached to the memorandum.

Mineralization occurs in a fissure in latite porphyry. In most occurrences the lead ore is not in minable widths. There are, however, a few areas which contain a sufficient thickness to permit economic mining. It is estimated that a minable reserve of 2,000 to 4,000 tons of 10 to 20 percent lead ore is present on the property.

It is recommended that a certification of discovery be issued as described in the inspecting engineer's memorandum.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

S. R. Wilson Dec. 7, 1953

M. H. Howes

Docket No. DMEA-2672 (Lead), Contract Idm-E437, Duke Page Auto Co., Evelyn mine, Juab County, Utah. Recommendation for certification of discovery

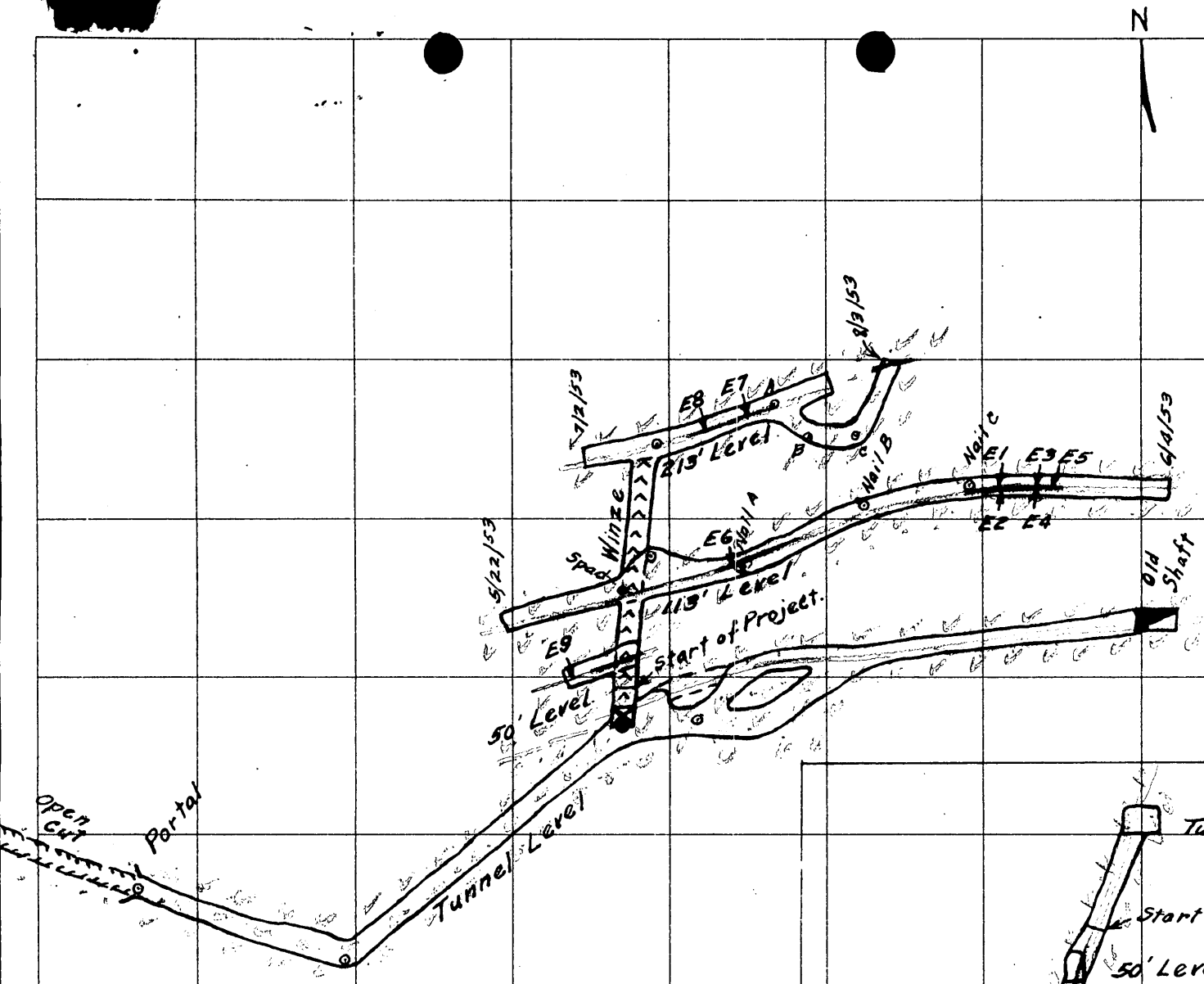
The area from which production will be subject to the Government's percentage royalty is the same as that set forth in Article 2 of Contract Idm-E437.

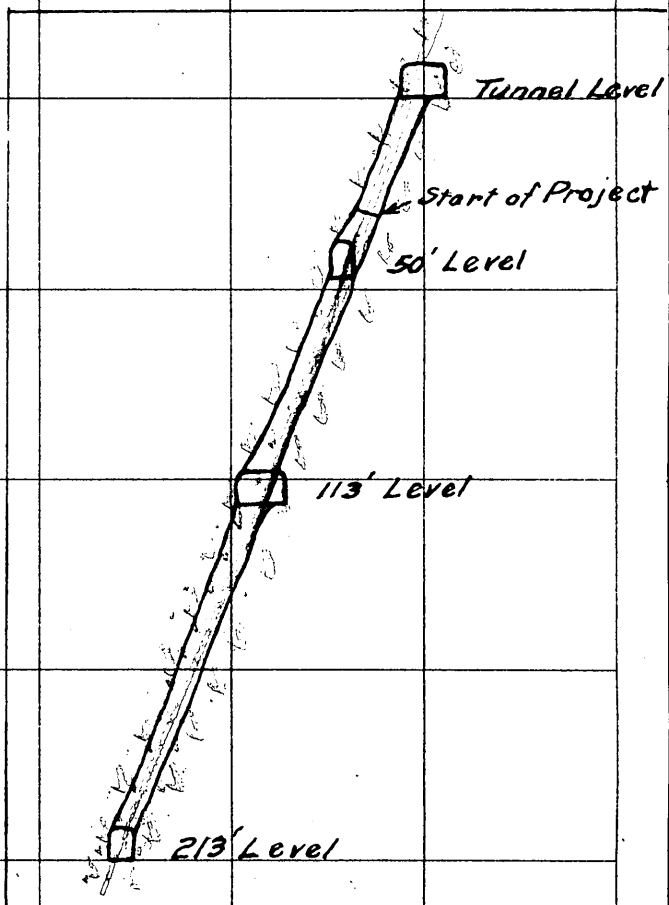
The country rock in the vicinity of the property is latite porphyry. A strong, mineralized fault fissure of undetermined displacement, striking about N. 80° E., and dipping about 70° northerly, was followed by the various headings of the exploratory project. Oxidation occurs along the fissure throughout its exposed extent. Lead ore from 1 inch to over 3 feet in thickness was encountered along the fissure in nearly all of the exploratory workings. Remnants of galena with surrounding lead carbonate are the chief ore minerals and are found in a gangue of quartz, oxides of iron and manganese, and gouge. Ore values vary considerably in the mine. The fault fissure is the structural control and the deposit is of the vein type.

An accurate estimate of minable reserve ore would be extremely difficult to make, because of the erratic nature of the thickness and grade of the deposit. The exploratory project has exposed the fissure 200 feet down dip and 215 feet along the strike. As previously stated, the thickness of the deposit varies from 1 inch to over 3 feet. As a result of the project work, it is estimated that the property contains a minable reserve of 2,000 to 4,000 tons of 10- to 20-percent lead ore. It is, therefore, recommended that a certification of discovery be made for the Duke Page Auto Co., Evelyn mine.

M. H. Howes

M. H. Howes





Cross Section
Thru Winze
Looking East

List of Assays

Sample No.	Cut		Au (oz)	Ag (oz)	Pb %	Zn %
E1	2' Cut	H.W.	0.02	4.1	14.6	0.6
E2	2' "	F.W.	0.005	0.5	1.9	0.3
E3	14" "	H.W.	0.005	0.5	3.4	0.45
E4	18" "	F.W.	<0.005	0.5	0.4	0.6
E5	1' "			1.3	15.1	0.4
E6	2' "			2.1	13.4	0.3
E7	3' "			20.5	29.3	0.2
E8	1' "			6.3	16.3	0.2
E9	3' "			0.5	0.2	0.1

Docket No. DMEA-2672 (Lead)
Contract Idm-E 437

Duke Page Auto Co.

MINE Evelyn Mine LOCATION Juab County, Utah LEVEL Composite
GEOLOGY BY N.H.H. SURVEY Brunton SCALE 1" = 50' DATE

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
JUL 20 1953

224 New Customhouse
Denver 2, Colorado

July 15, 1953

Memorandum

To: C.O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Amendment No. 1 to Contract Idm-E437, Docket DMEA-2672, Duke Page Auto Company, Juab County, Utah (Lead)

Enclosed are the original and two copies of Amendment No. 1 to Contract Idm-E437. Copies of this amendment have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

Also enclosed are three copies of a letter from the operator requesting this amendment and three copies of a memorandum from a Bureau of Mines engineer recommending this amendment.

W. H. King

W. H. King

Enclosures

Coe
7-20

RECEIVED
JUL 24 1953
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Exploration Administration
NOV 18 1952

November 17, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration
Attention: 210

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2672, (Lead) Duke Page Auto Co., Juab County, Utah

Enclosed are four copies of the final report on the subject docket.

The contract has been signed and is in effect.

W. H. King
W. H. King

for A. H. Koschmann
A. H. Koschmann

Enclosures

07-Site exam Rpt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Mining Division
Region IV

October 17, 1952

Memorandum

To: Field Team, Region IV

From: Acting Chief, Mining Division, Region IV

Subject: Final Report, DMEA Docket 2672, (Lead) Duke Page Auto Co., Evelyn Mine, Juab County, Utah

Enclosed are nine copies of the joint engineering and geologic report on DMEA-2672.

The applicant requests $17,400 for exploration to consist of winzing, drifting and raising.

The field examiners concur in recommending that the loan be approved.

We concur in this recommendation.

John F. Shaw
John F. Shaw for
W. H. King

Enclosures

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
1600 EAST FIRST SOUTH STREET
SALT LAKE CITY 1, UTAH

October 13, 1952

Memorandum

To: W. H. King, Acting Chief, Mining Division, Region IV

From: Chief, Utah-Wyoming Branch, Mining Division

Subject: DMEA-2672, Duke Page Auto Co., Evelyn Mine, Juab County, Utah

Attached are the original and 8 copies of a joint engineering and geologic report prepared after examination of the subject property. A separate Summary, Conclusions and Recommendations section is also included.

The examining team recommends alternate proposals in a two-stage program to consist of winze sinking and drifting and raising on two levels. It is estimated that the proposed program will cost $17,627.10.

The property is believed to have merit as a potential producer of medium-grade lead ores. Recommendation is made that the proposed loan be approved. I concur with this recommendation.

A copy of the brochure is enclosed.

Stephen R. Wilson

Stephen R. Wilson

Enclosure

SUMMARY, CONCLUSIONS AND RECOMMENDATIONS

By D. C. Laub, M. M. Harcourt and J. F. Haynes

Duke Page Auto Co., owner of the Evelyn group of unpatented lode mining claims, has made application for DMEA loan assistance under docket 2672. The property, from which a small tonnage of lead ore has been mined, lies in the Diamond district, Juab County, Utah. Representatives of DMEA examined the property during September 1952 for appraisal of the loan application. Alternate exploratory proposals are suggested.

Mineralization on the Evelyn claims is localized in a strong east-west trending fault zone in latite porphyry. Vein filling on the main adit level varies in width from a few inches to three feet. In an inclined winze below the adit level, the vein averages two feet in width. Small tonnages of ores have been mined from stopes, now chiefly inaccessible. Ore minerals include galena, sphalerite and pyrite, with oxidation products cerusite, smithsonite and limonite. Gangue minerals consist of crushed quartz with fault gouge.

The applicant has proposed extension of the main adit to the east to cut below the main shaft, now caved, and deepening the present winze 200 feet down the dip of the vein. The examining team believes extension of the main adit is infeasible because of caved ground conditions and stoping in the vein. It is suggested that exploration be conducted down the dip of the mineralized zone, the work to be accomplished in two stages. The first stage will consist of deepening the

existing winze 80 feet to the 113-foot level, with drifting and raising on this level totaling 180 feet. If stage 1 is successful, stage 2 will be started. This stage will consist of sinking the winze an additional 100 feet to the 213-foot level, with drifts and raises on this level totaling 120 feet.

No measured ore reserves are present underground. An inferred block between the adit level and the 113-foot level contains approximately 4,000 tons. It is believed that 1,500 tons of inferred ore may be present in the block.

Exploration as proposed in this report may disclose a small tonnage of moderate-grade lead ore. Recommendation is made that the Duke Page Auto Co. be granted a loan of $17,627.10 to conduct exploratory work as set forth in the report.

DUKE PAGE AUTO CO.
EVELYN MINE
JUAB COUNTY, UTAH
DMEA-2672
Lead

Engineering and Geologic Report

By D. C. Laub
Geologist
Geological Survey

M. M. Harcourt and
J. F. Haynes
Mining engineers
Bureau of Mines

INTRODUCTION

Mr. Duke Page, of the Duke Page Auto Co., Payson, Utah, has made application for a DMEA loan to explore for lead ores on the Evelyn group of claims in the Diamond district, Juab County, Utah. The total estimated cost of this project, as stated in the application, is $17,400. The revised program, as proposed by the examining team, is estimated to cost $17,627.10, the Government participating to the amount of $8,813.55.

The examining team, composed of J. F. Haynes and M. M. Harcourt of the Bureau of Mines and Don Laub of the U. S. Geological Survey, was accompanied to the property by Mr. Duke Page, the owner, on September 10, 1952.

LOCATION, TOPOGRAPHY AND PHYSICAL FEATURES

The Evelyn group is located in the Diamond mining district, Secs. 17 and 18, T. 11 S., R. 2 W., S.L.B.M., Juab County, Utah (fig. 1) The property is reached by traveling southerly on U. S. Highway 6 from Eureka, Utah, for 8 miles, thence 3 miles easterly by dirt road.

The mine is located on the west flank of Sunrise Peak, a prominent point in the East Tintic Mountains, at an altitude of approximately 6,500 feet. This range rises abruptly from the valley alluvium with generally smooth slopes facing the west, which, to the north, are cut by wide gulches or canyons in an east-west direction for lengths of up to 2 miles.

Timber is of the scrub cedar variety and is sparse. Water for both mining and domestic purposes must be hauled for a distance of 9 miles.

HISTORY AND PRODUCTION

The first ore discovery on this property is believed to have been made in 1904, and since that time a vertical shaft, reported to be 160 feet in depth, was sunk and an unknown amount of drifting and stoping was done. Work in later years consisted of driving an adit which intersected old, caved workings. At this point, Mr. Page purchased the property for the sum of $3,000, having started work under a lease and option from the owner. He shipped 20 tons of ore from the shaft dump. This ore assayed 12 percent lead, 6.0 ounces silver and .03 ounce gold per ton. Since acquiring the property, Mr. Page has attempted to drive around the caved workings on the adit level. A 33-foot winze has been sunk below the level on an ore showing which continues down dip below the present winze bottom. From the 33-foot level a drift has been driven to the east and west and a small amount of ore has been stoped to the main level. Total ore production from this work is estimated at 80 tons.

OWNERSHIP AND EXTENT

The Evelyn group is composed of Evelyn, Evelyn #1, #2, #3, and #4 lode claims, held by location (fig. 2). The claims are recorded in the County Recorder's Office at Nephi, Utah, as follows:

	Book	Page
Evelyn	117	331 thru 333
Evelyn #1	"	" " "
Evelyn #2	"	" " "
Evelyn #3	"	" " "
Evelyn #4	"	" " "

GEOLOGY AND ORE DEPOSITS

The Evelyn claims lie on the west flank of Sunrise Peak, which consists principally of monzonite porphyry intruded into tuffs and breccias of earlier age. In the immediate vicinity of the Evelyn workings the only rock exposed is latite porphyry. This rock occurs in flows cut by faults that strike west and dip steeply to the north.

Mineralization on the Evelyn No. 1 claim is localized in a strong fault zone trending east-west and having a northerly dip of 50° to 70° (fig. 3). The footwall of the zone is relatively unaltered. Two rather strong, narrow, altered zones, with more northerly strike and flat, westerly dip, occur within 100 feet of the portal of the main adit. The ore body on the adit level varies in width from a few inches to three feet and has been mined above and below the level. An inclined winze has been sunk 33 feet below the adit level and ore has been stoped to the adit level. The vein exposed on the 33-foot level averages two feet wide over a strike length of 80 feet. Above the adit level, the vein is not accessible because of caved ground.

The primary ore minerals are galena, sphalerite and pyrite which have been oxidized to cerusite, smithsonite and limonite. The minerals are associated with fault gouge and crushed quartz. Ore exposures contain some residual sulfide minerals, but the ores are largely oxidized.

ORE RESERVES

No measured ore reserves are present underground. Approximately 65 tons of ore piled at the portal of the main adit is considered to be shipping grade. A grab sample of this ore assayed 15 percent lead.

It is believed that additional ore may be found down the dip and along the strike of the mineralized fault zone (fig. 3). The average width of the ore body exposed in the bottom of the winze is approximately 2 feet. Assuming the ore body to extend to a depth of 113 feet below the main adit, and for 180 feet along the strike, it is inferred that 4,000 tons of ore may be present. However, it is not likely that the total block will be ore of commercial grade, but 1,500 tons of inferred ore is a reasonable estimate.

PRESENT STATUS

Accessible underground workings on the property consist of the main adit driven approximately 250 feet to intersect the mineralized fault, an inclined winze sunk 33 feet below the main level, and 80 feet of drift on the 33-foot level. Near the face of the main adit the workings are caved. The operator has attempted to drift in the footwall to drive around the caved area. His objective is the main

shaft 150 feet to the east of the face of the main adit. This shaft is inaccessible and is reported to be 160 feet in depth, with a drift driven westerly at the shaft bottom on the approximate level of the main adit.

The applicant has the necessary equipment and facilities to conduct exploration on the property. Limited operations are presently being conducted.

PROJECT PROPOSALS WITH COSTS

The applicant has proposed that the main level be extended to the east to cut the mineralized zone approximately 160 feet below the collar of the main shaft, and to deepen the present winze 200 feet along the dip of the fault zone.

Continuation of the adit level to the east is not justified, as the caved condition in this area indicates that all or part of the ground has been stoped between the winze and the caved shaft. The operator has attempted to drive around the cave near the present face of the adit, but difficult ground conditions have made costs excessive.

The examining team believes that exploration down the dip of the mineralized zone is warranted. It is suggested that this work be accomplished in two stages, the first stage to consist of deepening the present winze 80 feet to the 113-foot level and driving 180 feet of drifts and raises on this level. The location of the drifts and raises will be determined after completion of the winze sinking. Proposed

stage 2 will be dependent upon the results of stage 1. This stage will consist of sinking the winze 100 feet to the 213-foot level and driving drifts and raises totaling 120 feet from this level to explore favorable showings along the strike of the mineralized zone.

Present underground workings in the Tintic district and Diamond district to the south indicate that a constantly rising water table is present from north to south from the Tintic district through the Diamond district, the water being nearer the surface in the igneous rocks. The water table in the area of the Evelyn property may be between 200 and 300 feet from the surface. Provision may be made to apply remaining funds for winze sinking under stage 2 to drifting, if prohibitive water is encountered in sinking the winze to the 213-foot level.

Estimated costs of the proposed 2-stage project are as follows:

Stage 1

(a) Rehabilitation of 33 feet of existing winze:

Timber, misc., 1,500 bd. ft. at $100 M		$ 150.00
Hanging rods, nuts, washers		20.00
Labor - 3 men at $15.34 per day for 4 days (including overtime)	$184.08	
1 man at $16.79 per day for 4 days (acting foreman)	67.16	251.24
Payroll taxes and insurance 12 percent of $251.24		30.15
		$ 451.39

$\frac{\$451.39}{33}$ = $13.68 per foot

(b) Sinking winze 80 feet (6' x 8' winze, 2 feet per shift, 40 shifts)

Labor - 1 hoistman at $15.34 per day for 40 days	$ 613.60
1 trammer at $15.34 per day for 40 days	613.60
1 miner at $15.34 per day for 40 days	613.60
1 top man at $16.79 per day for 40 days (acting foreman	671.60
(Above rates include estimated overtime)	
	$2,512.40
Payroll taxes and insurance, 12 percent of $2,512.40	301.50
	$2,813.90

Supplies -

Black pipe - 80 feet 2-inch at $.31	$ 24.80
Black pipe, 80 feet 3/4-inch at $.10	8.00
Timber, misc., 4,290 bd. ft. at $100 M	429.00
Round iron rod - 500 feet at $.10 (washers, nuts, nails, included)	50.00
Powder, caps, fuse - 20 four-foot rounds at $11.70 per round	234.00
Drill steel - 18 feet 1-inch	27.30
Bits - throw away	12.00
Hose - air and water, with fittings	100.00
Fuel - Diesel oil, gasoline, grease, $4 per day for 40 days	160.00
Equipment repairs	60.00
Miscellaneous tools, etc.	100.00
Transportation of supplies	72.00
Assaying	40.00
	$1,317.10

Equipment to be furnished by operator -

	Fair value	Depreciation per month
1 315-cfm. Diesel compressor	$6,000	$100.00
2 12-cu. ft. mine cars	144	2.40
1 jackhammer and airleg	275	4.58
1 12B Eimco loader	1,478	24.63
1 3' x 8' air receiver	437	7.28
1 air hoist	635	10.58
1 pressure tank	54	.90
1 3/4-ton pickup truck	1,500	25.00
		$175.37

Eimco loader not used in winze ——— 24.63

Depreciation per month ——— $150.74

40 days or 1.54 months = $232.14

Total estimated cost for winze sinking -

Labor and taxes	$2,813.90
Supplies	1,317.10
Equipment depreciation	232.14
	$4,363.14

$\frac{\$4,363.14}{80}$ = $54.54 per foot of winze.

(c) Drifting 180 feet on 113-foot level (4' x 6.5' drift, 4 feet per shift, 45 shifts)

Labor - 1 hoistman at $15.34 per day for 45 days	$ 690.30
1 trammer at $15.34 per day for 45 days	690.30
1 miner at $15.34 per day for 45 days	690.30
1 top man at $16.79 per day for 45 days (acting foreman)	755.55
(Above rates include estimated overtime)	
	$2,826.45

Payroll taxes and insurance, 12 percent of $2,826.45	$ 339.17
	$3,165.62

Supplies -

Black pipe - 180 feet 2-inch at $.31	$ 55.80
Powder, caps, fuse	297.90
Bits - throw away	27.00
Fuel - Diesel oil, gasoline, grease, $4 per day for 45 days	180.00
Timber - misc., 1,000 bd. ft. at $100 M	100.00
Equipment repairs	72.00
Track - 180 feet 12-pound, complete	124.92
Transportation of supplies	45.00
Assaying	90.00
	$ 992.62

Equipment to be furnished by operator -

$175.37 per month depreciation

45 days, or 1.73 months = $303.39

Total estimated costs for drifting under stage 1 -

Labor and taxes	$3,165.62
Supplies	992.62
Equipment depreciation	303.39
	$4,461.63

$\frac{\$4,461.63}{180}$ = $24.79 per foot of drift.

Total estimated cost of stage 1 -

Rehabilitation of winze	$ 451.39
Sinking winze 80 feet	4,363.14
Drifting 180 feet	4,461.63
	$9,276.16

Stage 2

(a) Sinking winze 100 feet (6' x 8' winze, 2 feet per shift, 50 shifts)

Labor - 1 hoistman at $15.34 per day for 50 days	$ 767.00
1 trammer at $15.34 per day for 50 days	767.00
1 miner at $15.34 per day for 50 days	767.00
1 top man at $16.79 per day for 50 days (acting foreman)	839.50
(Above rates include estimated overtime)	
	$3,140.50
Payroll taxes and insurance, 12 percent of $3,140.50	376.86
	$3,517.36

Supplies -

Black pipe - 100 feet 2-inch at $.31	$ 31.00
Black pipe - 100 feet 3/4-inch at $.10	10.00
Timber, misc., 5,365 bd. feet at $100 M	536.50
Round iron rod - 630 feet at $.10	63.00
Powder, caps, fuse - 25 four-foot rounds at $11.70 per round	292.50
Drill steel	30.00
Bits - throw away	15.00
Fuel - Diesel oil, gasoline, grease, $4 per day for 50 days	200.00
Equipment repairs	75.00
Miscellaneous tools, etc.	100.00
Transportation of supplies	90.00
Assaying	50.00
	$1,493.00

Equipment to be furnished by operator -

Depreciation -

50 days or 2 months — $ 301.48

Total estimated cost for winze sinking -

Labor and taxes — $3,517.36

Supplies	$1,493.00
Equipment depreciation	301.48
	$5,311.84

$\frac{\$5,311.84}{100}$ = $53.12 per foot of winze.

(b) Drifting 120 feet on the 213-foot level (4' x 6.5' drift, 4 feet per shift, 30 shifts)

Labor - 1 hoistman at $15.34 per day for 30 days	$ 460.20
1 trammer at $15.34 per day for 30 days	460.20
1 miner at $15.34 per day for 30 days	460.20
1 top man at $16.79 per day for 30 days (acting foreman) (Above rates include estimated overtime)	503.70
	$1,884.30
Payroll taxes and insurance, 12 percent - of $1,884.30	226.12
	$2,110.42

Supplies -

Black pipe - 120 feet 2-inch at $.31	$ 37.20
Powder, caps, fuse	198.60
Bits - throw away	25.00
Fuel - Diesel oil, gasoline, grease- $4 per day for 30 days	120.00
Timber - misc., 1,000 bd. feet at- $100 M	100.00
Equipment repairs	48.00
Track - 120 feet, 12-pound, complete	82.60
Transportation of supplies	35.00
Assaying	60.00
	$ 706.60

Equipment to be furnished by operator -

$175.37 per month depreciation

30 days or 1.2 months - $210.44

Total estimated costs for drifting under stage 2 -

Labor and taxes	$2,110.42
Supplies	706.60
Equipment depreciation	210.44
	$3,027.46

$\frac{\$3,027.46}{120}$ = $25.23 per foot of drift.

Total estimated cost of stage 2 -

Sinking winze 100 feet	$5,311.84
Drifting 120 feet	3,027.46
	$8,339.30

Total estimated cost of project -

Stage 1	$9,276.16
Stage 2	8,339.30
	$17,615.46

It is suggested that a contract, if drawn, be prepared on the short form. The operator possesses the necessary equipment to complete the proposed project and will agree to conduct the work under the short-form contract.

Estimated costs of the proposed work have been detailed to arrive at a fair figure for rehabilitation of the winze, winze sinking, and drifting or raising on the 113- and 213-foot levels. It is believed that $13.70 per foot for winze rehabilitation, $53.75 per foot for winze sinking, and $25.00 per foot for drifting or raising on the two levels, are fair estimates. These figures represent approximate averages of items under stages 1 and 2.

CONCLUSIONS AND RECOMMENDATIONS

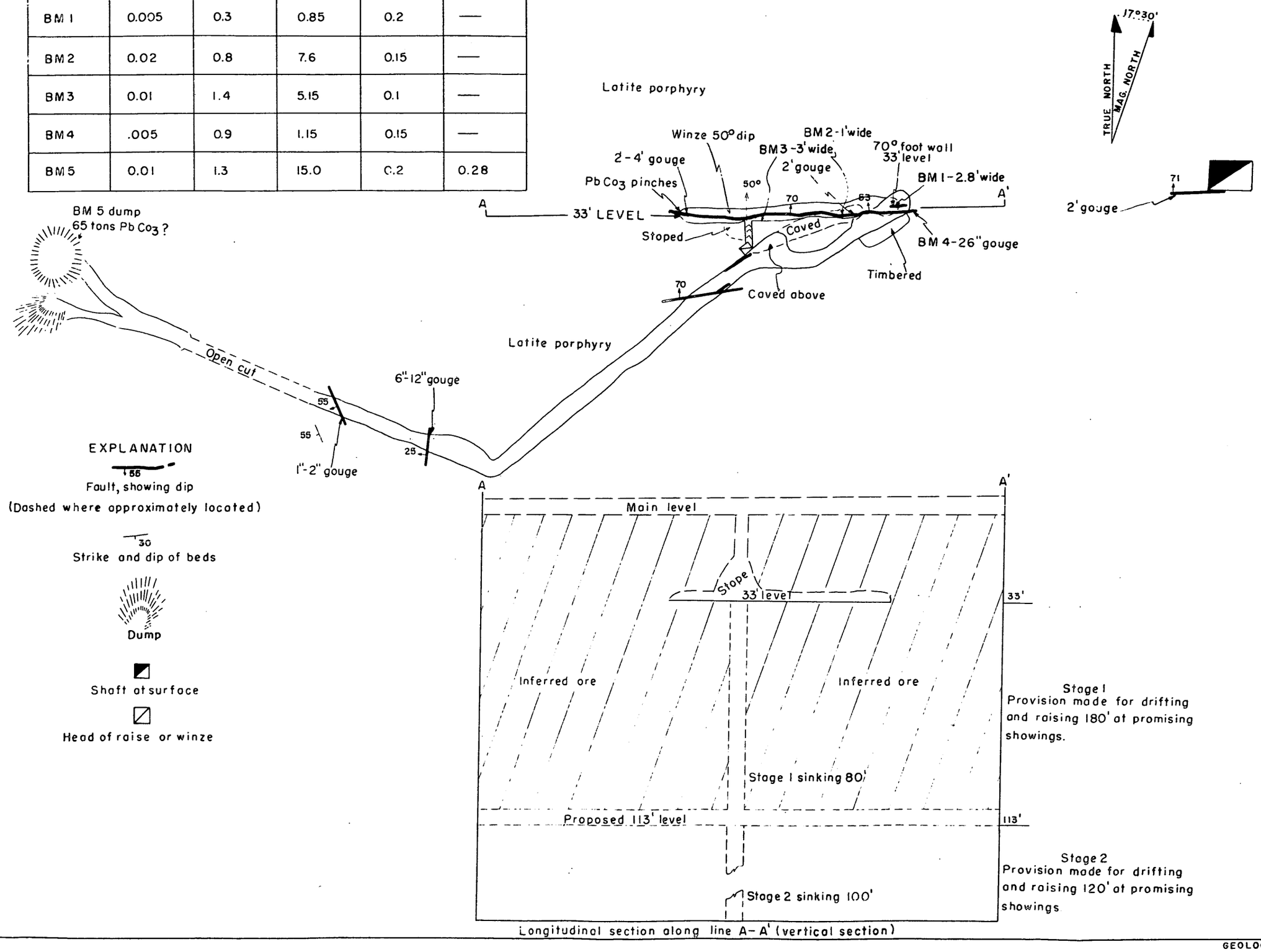
The Evelyn property, owned by Duke Page Auto Co., has produced a small tonnage of lead ores from a west-trending fault zone in igneous rocks. Ores have been mined to shallow depth from a vertical shaft and later adit level. A 33-foot, inclined winze follows down dip on the vein below the level.

The applicant has requested a loan for drifting 160 feet in the ore zone on the adit level to cut below the caved vertical shaft, and for sinking the present inclined winze 200 feet. It is believed a more workable project will include a 2-stage program, the first stage to consist of rehabilitation of the existing inclined winze, sinking the winze 80 feet to the 113-foot level, and drifting or raising 180 feet on this level. A second stage, dependent upon the results of stage 1, will include sinking the inclined winze an additional 100 feet, with 120 feet of drifting or raising on the 213-foot level.

No measured ore reserves are present underground. A block containing 4,000 tons is inferred to the 113-foot level. A probable total of 1,500 tons may be mined from this block.

It is believed that exploration on the Evelyn property may disclose a small tonnage of moderate-grade lead ore. Recommendation is therefore made that DMEA prepare a contract between the Government and Duke Page Auto Co. in the amount of $17,627.10 for conduct of exploration as outlined in this report.

Sample No.	% Au	% Ag	% Pb	% Zn	% Cu
BM 1	0.005	0.3	0.85	0.2	—
BM 2	0.02	0.8	7.6	0.15	—
BM 3	0.01	1.4	5.15	0.1	—
BM 4	.005	0.9	1.15	0.15	—
BM 5	0.01	1.3	15.0	0.2	0.28



GEOLOGY BY D.C. LAUB

FIG. 3

GEOLOGIC SKETCH MAP OF DUKE PAGE PROPERTY.
EVELYN CLAIMS
JUAB COUNTY, UTAH

0 40 80 FEET
Scale

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

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 10 1952

224 New Customhouse
Denver 2, Colorado

November 6, 1952

REGISTERED # 53113

Memorandum

To: C. O. Mittendorf, Administrator, DMEA

From: Executive Officer, DMEA Field Team, Region IV

Subject: Contract Idm-E437, Docket DMEA 2672, Duke Page Auto Company

Enclosed are the original and two copies of Contract Idm-E437. Copies of this contract have been given to the operator, the Fiscal Officer, Region IV, and a copy has been retained for our files.

John F. Shaw
For W. H. King

Enclosures

RECEIVED
DEC 9 - 1952
GENERAL COUNSEL
DEFENSE MINERALS
ADMINISTRATION

cae 11-10

SURNAME COPY
Adams

Defense Minerals Exploration Administration
Robert E. Adams

2017

14X3923.970, Working Fund, Interior, DMEA
November 6, 1952
11:45 am

W. H. King, Executive Officer, Region IV, 224 New Customhouse Bldg., Denver 2, Colo.

Assignment of Contract Number

REURTEL 11-5-52 DUKE PAGE AUTO CO., COMMODITY LEAD, DMEA 2672. CONTRACT NUMBER IDM-E-437 ASSIGNED THIS CONTRACT.

S.H.
11-6-52

C. O. Mittendorf (for)

ADMINISTRATOR

READams/meb
cc to: Adm. Reading File
Mails & Files Br.
Audits Division
Miss Curtin

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

224 New Customhouse
Denver 2, Colorado

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
OCT 23 1952

October 17, 1952

Memorandum

To: Administrator, Defense Minerals Exploration Administration

From: Field Team, Region IV

Subject: Final Report, DMEA Docket 2672 (Lead) Duke Page Auto Co., Evelyn Mine, Juab County, Utah

The application for Government assistance in exploration work estimated to cost $17,610.00 has been approved by us and a contract is being prepared.

Government participation will be 50 percent, or $8,805.00.

Four copies of the Final Report will be forwarded with your copy of the contract.

Two copies of Form 3(b) are attached.

John F. Shaw
John F. Shaw for
W. H. King

A. H. Koschmann
A. H. Koschmann

Enclosures

Mr. Duke Page
Duke Page Auto Company
Payson, Utah

Subject: DMEA-2672
Re: Exploration Assistance
Evelyn Mine
August 25, 1952

My dear Mr. Page:

The receipt of your application dated August 20, 1952, for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-2672 and referred to Mr. W. H. King, Executive Officer, DMEA Field Team, Region IV, Bureau of Mines, 224 New Customhouse Building, Denver 2, Colorado.

Kindly refer to DMEA-2672 in any future correspondence relating to your application.

Sincerely yours,

SIGNED
Wingfield Chamberlain
Acting Chief, Operation's
Control and Statistics Division

Mr. C. O. Mittendorf
Nov. 5, 1952
3:15 A.M.

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 6 1952

BUR MINES DN 235 11-5-52 1-15 PM

C O MITTENDORF

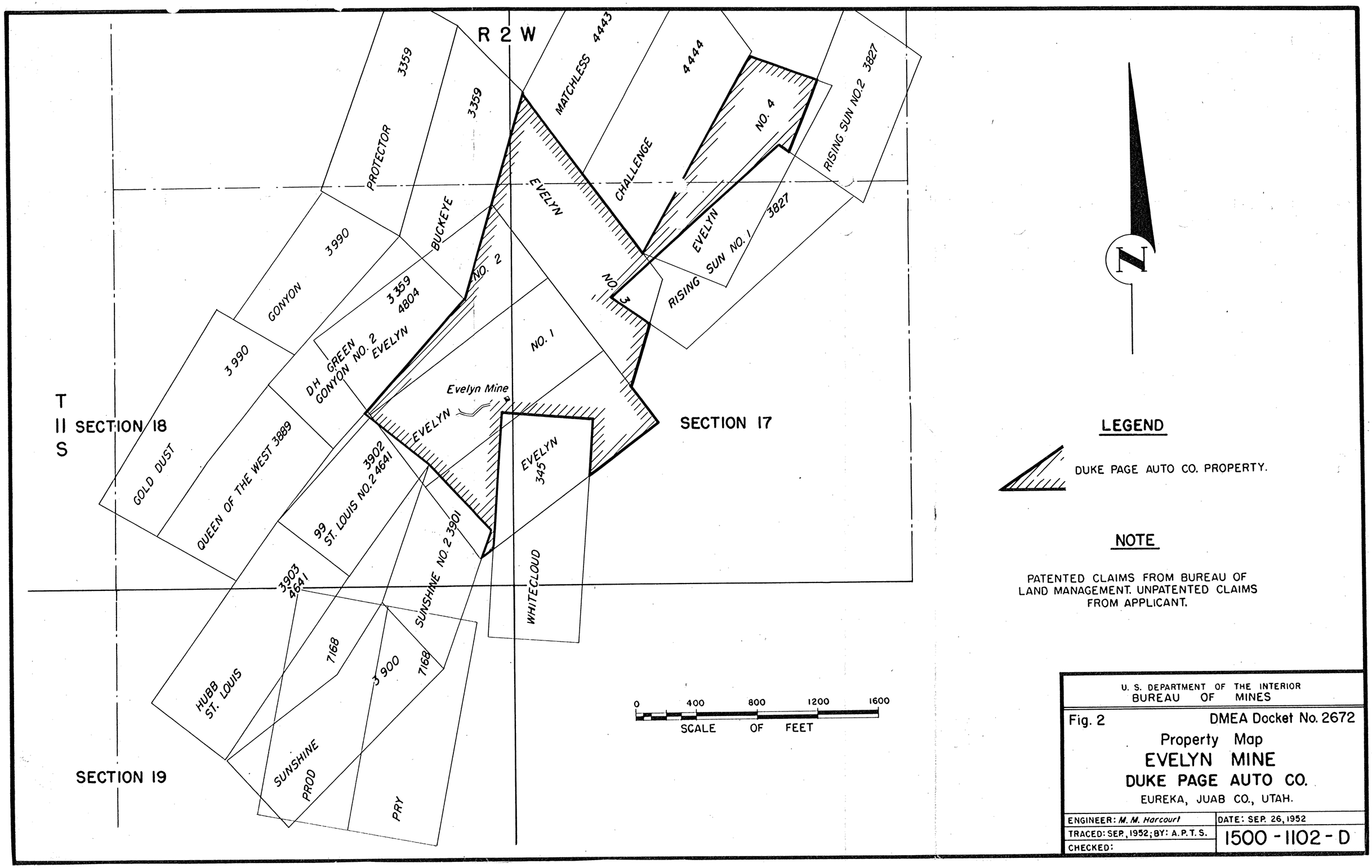
PLEASE ASSIGN A NUMBER TO CONTRACT COVERING DOCKET NO. DMEA 2672, DUK E PAGE ATXXXX AUTO COMPANY, PAYSON, UTAH, A UTAH CORPORATION, COMMODITY LEAD, CONTRACT DATED OCTOBER 30, 1952. PROPERTY IN JUAB COUNTY, UTAH. TOTAL AMOUNT OF CONTRACT $17,707.00, GOVERNMENT PARTICIPATION $8853.50. PLEASE REPLY RETURN TELETYPE.

W H KING

IAM-E
~~IDCC~~ 437

Denver, Colo.

Nov 5 3 39 PM '52
BUREAU OF MINES
MAIL ROOM
WASHINGTON, D. C.



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 2 DMEA Docket No. 2672

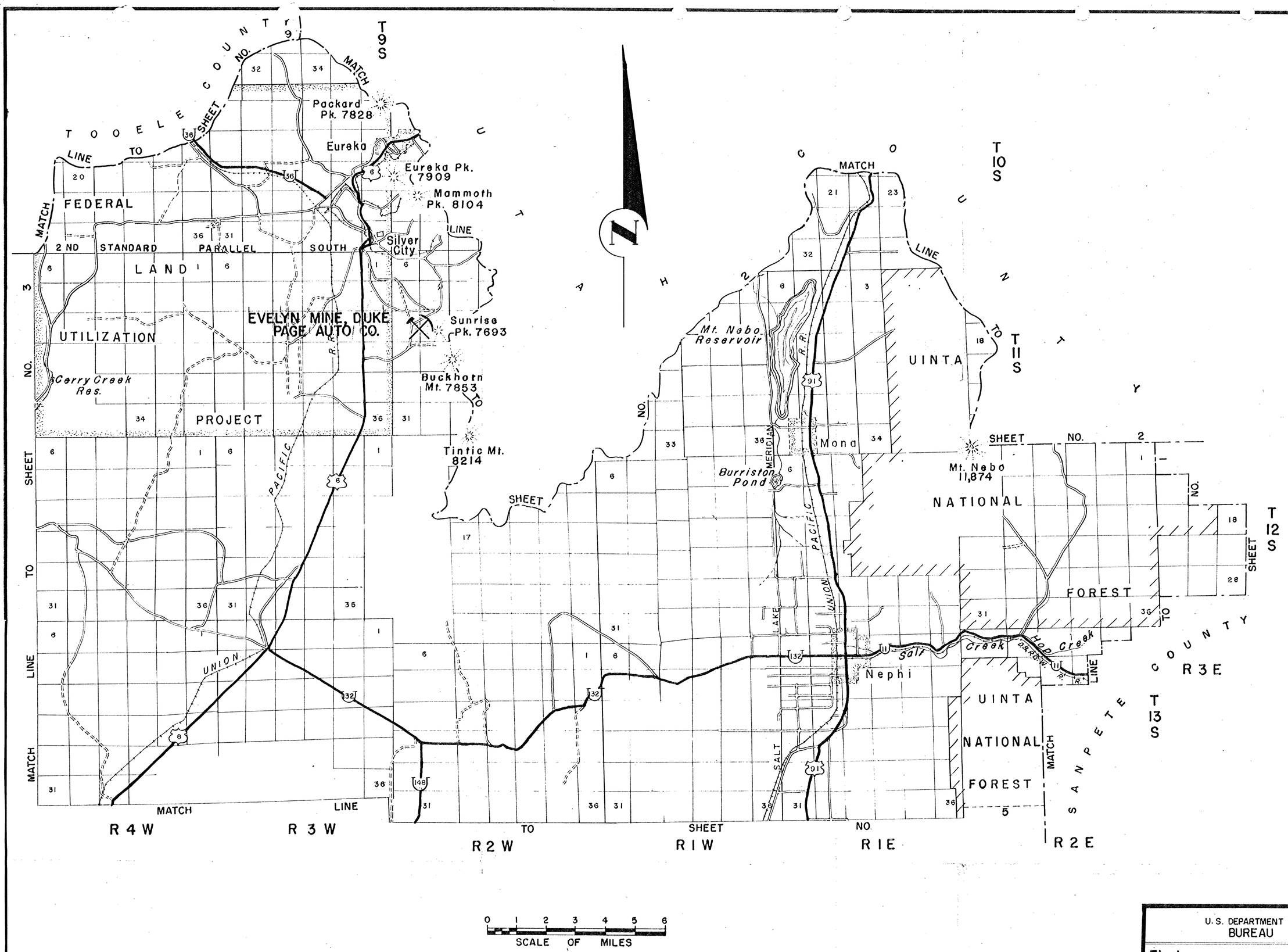
Property Map

EVELYN MINE

DUKE PAGE AUTO CO.

EUREKA, JUAB CO., UTAH.

ENGINEER: *M. M. Harcourt*	DATE: SEP. 26, 1952
TRACED: SEP., 1952; BY: A.P.T.S.	1500 - 1102 - D
CHECKED:	



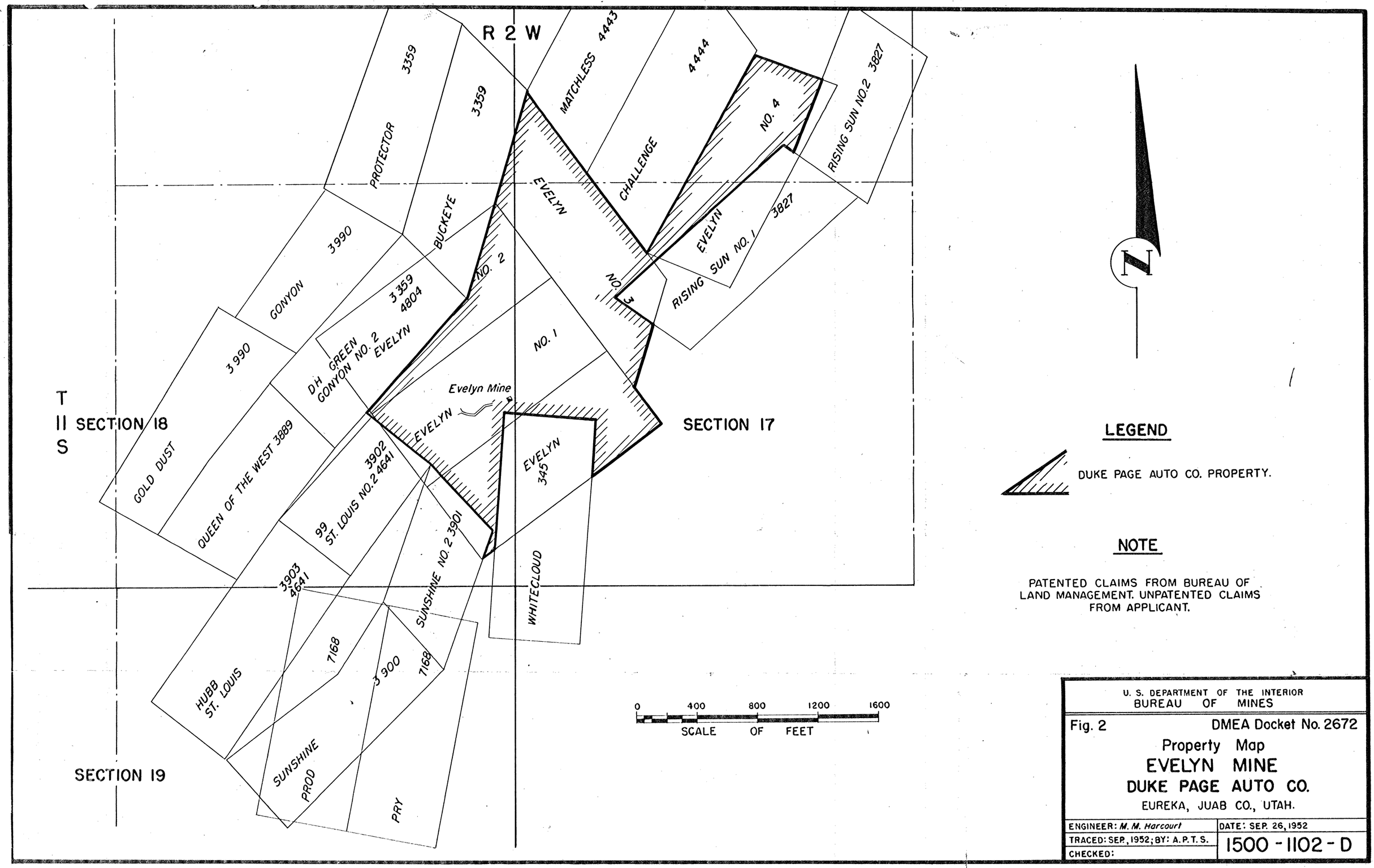
U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Fig. 1

DMEA Docket No. 2672

STATE: UTAH
COUNTY: JUAB
Sheet 4 of 5
Location Map

ENGINEER: *M.M. Harcourt*	DATE: SEPT. 29, 1952
TRACED: SEPT., 1952, BY: A.P.T.S.	1500 - 1101 - C
CHECKED:	



U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

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