AME FORM 60
SEPT. 1959

DEC 1 8 1964

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6344
Contract No.
14-23-090- 2189 Stage II
Contract Amount $ 81.440.00
Gov't. Participation % 50 $ 40,720.00
Mineral(s) Gold-silver

OPERATOR'S MONTHLY VOUCHER

For Month of OCTOBER, 1964

Operator's Name W. S. Moore Co.
Address 400 Torrey Building, Duluth, Minnesota

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$ 85.00	408.00	493.00	✓		
Drifting						
Crosscutting						
Drilling	3,027.50	2,047.00	5,074.50	✓		
Cementing	-0-	190.00	190.00	✓		
Reaming	-0-	132.00	132.00	✓		
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
xxxIncid.Allow.	180.00	122.00	302.00	✓		
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cementg.Materials	-0-	146.52	146.52	✓		
Core boxes	45.00	30.00	75.00	✓		
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	42.50	36.50	79.00	✓		
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	$3,380.00	$3,112.02	$6,492.02	3,380.00	3,112.02	6,492.02

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Nov 30 '64 * Payee W. S. Moore Co.

Per Warren Moore Title President

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,690.00

Signature BLB
(Authorized Certifying Officer)

Date 12/14/64 Vou. No. 869-3

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2189

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 12-7-64

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of OCTOBER, 1.964 Docket No. 6344

Operator's Name W. S. Moore Co. Contract No. 14-23-090- 2189 Stage II

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond NX	Ft	442	629	$4,245.75	✓		
DX 0-200 ~~xxxx~~ Rotary	Ft	0	6	37.50	✓		
Drilling, Non-core-Diamond	Ft	8	15	82.50	✓		
Core, DX 200-400 Rotary	Ft	0	105	708.75	✓		
Reaming ~~xx~~ NX Churn	Ft	0	33	132.00	✓		
Cementing ~~xxxxxx~~ Percussion	Hr	0	19	190.00	✓		
Miscellaneous Core boxes	Ea	45	~~30~~ 75	75.00			
Incid. Allowance	Ft	450	755	302.00			
Roads and Trails	Hr	5	29	493.00			
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases Cementing Materials				146.52			
Analytical Work				79.00			
TOTAL TO DATE *(per MME Form 60)*				$6,492.02			$6,492.02

REMARKS

(Continue on back)

REMARKS

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Nov 24 '64 Operator W. S. Moore Co.

Per Warren S Moore Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Hugh M. Tomson

Title Acting Field Officer
Government Representative

Date 12-7-64

(INSTRUCTIONS ON REVERSE)

REMARKS (Cont.)

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

OCTOBER, 1964 - NARRATIVE REPORT

SUMMITVILLE MINES PROJECT

W. S. MOORE COMPANY

Rio Grande County, Colorado

Docket No. 6344
Contract No. 2189
Stage II

INTRODUCTION

No exploration under the above contract was done under Stage I for the month of October, so that all voucher totals, etc. remain the same for Stage I, and this report and supporting data cover only Stage II.

DESCRIPTION OF COMPLETED WORK

Exploration during October consisted only of drilling.

Bulldozer Work

Five hours of bulldozer time were spent in preparation of the drill site for Hole T-4, making a total used of 9 hours out of the allowable 20 hours.

Drilling

Hole T-4: This hole, the second under Stage II of the Tewksbury subproject, was completed at a total depth of 450 feet. As the vein did not flatten to the north, as indicated further south, the hole had to be continued past the estimated 400-foot depth, and the Tewksbury vein was cut from 408'-413'. Angle was -50° and bearing S60°W. Core recovery averaged 95%. No unusual problems were encountered in drilling. Core recovery averaged higher than in previous holes. NX core size was used throughout.

Sampling and Mapping

No further sampling or mapping related to OME projects was completed. A Tewksbury vein long-section is being prepared which will better show the favorable drilling results and potential ore reserves.

GEOLOGY AND ASSAY RESULTS

Hole T-4

As mentioned previously, the Tewksbury vein was cut from 408'-413', for a true width of 3.5 feet. This was the 4th hole in succession which has found ore in the Tewksbury Pipe area. This interval assayed .04 oz Au, 8.9 oz Ag, and 2.93% Cu, or a gross value of $32.80/Ton. The footwall was quite barren, but 5 feet of the hangingwall assayed 1.44 oz Ag and 0.24% Cu. As is typical with the Tewksbury vein, the quartz alunite alteration envelope extended only 5'-10' into each wall. This hole is unusually favorable since it extends the ore found in previous DMEA drilling below the Iowa level to ore found under this program farther south. Total strike length is at least 500 feet. It also extends the known orebody above the Iowa level to a depth 250 feet below.

Another vein was intersected from 59'-79', and quartz-alunite alteration extended from this vein to surface. None of this zone was of ore-grade, but silver is consistently present at about 1 oz/ton, and the interval 66'-71' assayed .025 oz Au and 1.1 oz Ag. No copper assays were run on this upper vein, which is in the leached oxide zone. Hole T-4 showed the first substantial copper assays as the sulphides, enargite and tennantite, since Holes T-1, T-2, and T-3 were all more oxidised and leached. The rock between the two veins is strongly argillized quartz latite porphyry with considerable chlorite. Another weak vein was found between, which might correlate with the T-1 vein, as found in Holes T-1 and T-3.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to W. S. Moore Co.

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6344
Contract No. 14-23-090-2189 Stage I
Contract Amount $ 81,440.00
Gov't. Participation 50 $ 40,720.00
Mineral(s) Gold-silver

OPERATOR'S MONTHLY VOUCHER

For Month of AUGUST, 1964

Operator's Name W. S. Moore Co., 400 Torrey Bldg.
Address Duluth, Minnesota

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing $	816.00	$1,326.00	$ 2,142.00			
Drifting						
Crosscutting						
Drilling	6,333.27	2,426.63	8,759.90			
Mobilization	250.00	-0-	250.00			
Cementing	325.00	-0-	325.00			
(2) Personal Services: Reamg.	32.00	-0-	32.00			
Supervision & Technical						
Outside Consultants						
xxIncid.Allow.	380.12	143.80	523.92			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cement Materials	42.28	-0-	42.28			
Core boxes	90.00	35.00	125.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	122.50	149.50	272.00			
Payroll Taxes						
Employee's Liability Ins.						
TOTALS $	8,391.17	$4,080.93	$12,472.10	8,391.17	4080.93	12,472.10

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Sept 21 *Payee W. S. Moore Co.

Per Warren S Moore Title President

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 4,195 58

Signature PHB
(Authorized Certifying Officer)

Date 10/16/64 Vou. No. 428

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2189

Signature Hugh M. Longnecker Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Longnecker Title Acting Field Officer Date 9-29-64

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of AUGUST Docket No. 6344

Operator's Name W. S. Moore Co. Contract No. 14-23-090- 2189 Stage I

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond NX	Ft	885.3	1244.8	$8,402.40			
Rotary							
Drilling, Non-core-Diamond	Ft	65	65	357.50			
Reaming	Ft	8	8	32.00			
Cementing	Hr	32.5	32.5	325.00			
Mobilizat.		1	1	250.00			
Miscellaneous Core boxes	Ea	90	125	125.00			
Incid. Allow.	Ft	950.3	1309.8	523.92			
Roads and Trails	Hr	48	126	2,142.00			
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Cementg. Materials				42.28			
Analytical Work				272.00			
TOTAL TO DATE (per MME Form 60)				$12,472.10			$12,472.10

REMARKS

(Continue on back)

REMARKS

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Sept 21 Operator W. S. Moore Co.

Per Warren S Moore Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Hugh M. Lenore

Title Acting Field Officer
Government Representative

Date 9-29-64

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

NARRATIVE REPORT - AUGUST, 1964

SUMMITVILLE MINES PROJECT

W. S. MOORE COMPANY

Rio Grande County, Colorado

Docket No. 6344
Contract No. 2189

INTRODUCTION

This report summarizes exploration completed under the above contract for the month of August.

DESCRIPTION OF COMPLETED WORK

Exploration during the month of August has consisted of bulldozer work and drilling.

Bulldozer Work

A total of 48 hours has been used, which has accomplished work in 3 areas. Four of the five specified Esmond-Pickens exploration cuts have been completed. Assay and geologic results do not justify completion of the 5th cut further west. Of the total of 40 hours allotted, 36 have been used. The drill site for the Hidden vein Hole GH-1 was bulldozed during July, but billing was deferred until the hole was completed during August. In addition, 2 out of the 6 authorized cuts for exploration are included, making a total of 20 hours thus far for the Hidden vein subproject. Also, the Dexter vein drill sites were finished, at a total of 20 hours.

Drilling

Hole GH-1: This hole, which was started by Himes Drilling Co., in July, was completed by Justice Drilling Company, and the entire footage of 359.8 feet is included in this voucher. Since no actual vein was intersected, the hole had to be continued a little further than planned to be certain of not missing the target. The entire hole was carried NX size. Negative results, which are discussed in the following section, do not justify drilling authorized Hole GH-2 under Stage I.

Core recovery was 95%. Seven hours of cementing and redrilling and 8 feet of reaming were also necessary in one troublesome fractured zone below 300 feet.

Hole T-2: This hole was drilled to 361.5 feet, but since 359.5 feet were billed for Hole T-1, only 340.5 feet are billed in this voucher to equal the allowed total of 700 feet. Difficult drilling was encountered near the collar and within the Tewksbury vein, and 19.5 hours of cementing time were necessary. A new chemical grout was employed, which was very effective in consolidating the highly fractured vein material. NX size of core was used throughout, and core recovery averaged 89%.

Hole GD-1: Hole GD-1, the first in the Dexter subproject, was drilled to the planned depth of 250 feet. Six hours of cementing time were needed at a depth of 84'-86'. Plug-bit drilling was employed to a depth of 65 feet and NX coring to the TD of 250 feet. Assays are not back on this hole, and logs and complete discussion will be furnished with the September report.

Sampling and Mapping

The Esmond-Pickens cuts are completely mapped and sampled, and a map showing results is enclosed. Assaying has been divided between Mineral Assay Lab in Grand Junction and Charles O. Parker Company in Denver.

GEOLOGY AND ASSAY RESULTS

Esmond-Pickens Bulldozer Cuts

Three of the 4 cuts have exposed the Esmond vein and clearly show that the vein, while very wide (28') at the east end, rapidly narrows to 4 feet at the west end, hence the decision not to complete the 5th cut. Assays are consistently low. Two narrow veins were cut at the north end of the middle cut which coincide generally with the strike of the Pickens vein, but assays were below ore-grade.

The cut farthest north exposed the most interesting vein, 3.5' wide, which assayed .04 oz Au and 4.02 oz Ag. On the original map with the application, we showed a possible gap in the continuity of Cross-Vein D. This cut definitely assures vein continuity for at least another 300 feet. The farthest SW drift on this vein was in ore on the Winchester level, at a point which is 120' NE and 175' below. Further study of the old mine maps and assay data must be made, but there is a possibility that a drillhole might be warranted under Stage II.

Hole CH-1

This hole was planned to explore the Hidden vein 200'-250' below the ore-grade outcrop at surface. The projected vein should have been intersected at from 300'-320', but only disseminated pyrite was found, and the hole was continued to 360 feet. A strong fault with pyrite mineralization was cut at 340'-343', which is believed to represent the expression of the vein at this depth. Evidently the Hidden vein does not have the same depth continuity in this area as in the old workings 500 feet north, and it is recommended that Hole CH-2 not be drilled. However, the surface bulldozer cuts are being completed, and this should furnish new data on the merits of the Hidden evin in the 1200-foot unexplored strike length. The entire subproject should be reconsidered upon completion of these cuts. Disseminated sulphides were found from 100'-140', but 3 assays failed to show appreciable values.

Hole T-2

As mentioned last month, this hole has also intersected ore in the Tewksbury Pipe, Widths and grade are substantial, particularly over 15 feet, and a 35-foot lower-grade zone may also be considered as ore. The following averages illustrate these encouraging results.

Depth	Oz Au	Oz Ag	$/Ton
5'-40'	.20	6.80	$15.77
25'-40'	.33	10.9	$25.61

Because of the flat angle, widths as given are all essentially true ones.

The deeper veins at 295'-310' and 322'-329' are probably part of the Parole vein, but Hole T-2 would intersect the vein at a very acute angle, and the results cannot be considered as too reliable.

Detailed mapping and sampling of the Parole vein and of the entire Tewksbury Pipe are now being completed, and this should aid in locating holes under Stage II. Hole T-3 is complete and assays are being run.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to W. S. Moore Co.

September 17, 1964

Buck: The attached are four copies of the surface Tewksbury map which should go with the monthly reports for Dept.

Chuck

OME
DEPARTMENT OF THE INTERIOR
OCT 1964
REGION III
DENVER, COLORADO
DEPARTMENT OF THE INTERIOR
1964
REGION III
DENVER, COLORADO

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6344
Contract No.
14-23-090- 2189 Stage I
Contract Amount $ 81,440.00
Gov't. Participation % 50 $ 40,720.00
Mineral(s) Gold-silver

OPERATOR'S MONTHLY VOUCHER

For Month of SEPTEMBER 1964

Operator's Name W. S. Moore Co.
Address

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$ 255.00	$2,142.00	$ 2,397.00			
Drifting						
Crosscutting						
Drilling	1,518.75	8,759.90	10,278.65			
Mobilization	-0-	250.00	250.00			
Cementing	-0-	325.00	325.00			
Reaming	80.00	32.00	112.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
xxxIncid.Allow.	90.00	523.92	613.92			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cement. Material	-0-	42.28	42.28			
Core boxes	30.00	125.00	155.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	67.50	272.00	339.50			
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	$2,041.25	$12,472.10	$14,513.35	2,041.25	12,472.10	14,513.35

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Oct 24 '64 *Payee W. S. Moore Co.

Per Warren S Moore Title President

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,020.63

Signature BWB
(Authorized Certifying Officer)

Date 11/9/64. Vou. No. 6432

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2189

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 11-4-64

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

RECEIVED
NOV 25 1964
OFFICE OF THE SECRETARY
INT. DUP., D.C.59- 27161

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of SEPTEMBER 1964 Docket No. 6344

Operator's Name W. S. Moore Co. Contract No. 14-23-090-2169 Stage I

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond NX	Ft	225	1469.8	$ 9,921.15			
Rotary							
Drilling, Non-core-Diamond	Ft	0	65	357.50			
Reaming	Ft	20	28	112.00			
Cementing	Hr	3.0	32.5	325.00			
Mobilization	Ea	0	1	250.00			
Miscellaneous Core boxes	Ea	30	155	155.00			
Incid. Allowance	Ft	225	1534.8	613.92			
Roads and Trails	Hr	15	141	2,397.00			
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases Cementg. Materials				42.28			
Analytical Work				339.50			
TOTAL TO DATE *(per MME Form 60)*				$14,513.35			$14,513.35

REMARKS

(Continue on back)

REMARKS

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Oct 24 '64 Operator W. S. Moore Co.

Per Warren S Moore Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Hugh M. Simons

Title Acting Field Officer
Government Representative

Date 11-4-64

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6344
Contract No. 14-23-090-2189 Stage II
Contract Amount $ 81,440.00
Gov't. Participation x 50 $ 40,720.00
Mineral(s)

OPERATOR'S MONTHLY VOUCHER

For Month of SEPTEMBER 1964

Operator's Name W. S. Moore Co.
Address 400 Torrey Building, Duluth, Minn.

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$ 408.00	-0-	$ 408.00			
Drifting						
Crosscutting						
Drilling	2,047.00	-0-	2,047.00			
Cementing	190.00	-0-	190.00			
Reaming	132.00	-0-.	132.00			
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
xxxIncid.Allow.	122.00	-0-	122.00			
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Cement.Material	146.52	-0-	146.52			
Core boxes	30.00	-0-	30.00			
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	36.50	-0-	36.50			
Payroll Taxes						
Employee's Liability Ins.						
Error in addition accepted B						
TOTALS	$3,112.00	-0-	$3,112.02	3,112.02	-0-	3,112.02

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct 24 64 *Payee W. S. Moore Co
Per Warren S Moore Title President

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 1,556.01

Signature BAB
(Authorized Certifying Officer)

Date 1/9/65 Vou. No. 643-2

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2189

Signature Hugh M. Tennore Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Tennore Title Acting Field Officer Date 11-4-69

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

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Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of SEPTEMBER 1964 Docket No. 6344

Operator's Name W. S. Moore Co. Contract No. 14-23-090-2189 Stage II

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond NX	Ft	187	187	$ 1,262.25			
DX 0-200	Ft	6	6	37.50			
Drilling, Non-core-Diamond	Ft	7	7	38.50			
DX 200-400	Ft	105	105	708.75			
Reaming NX	Ft	33	33	132.00			
Cementing	Hr	19	19	190.00			
Miscellaneous Core boxes	Ea	30	30	30.00			
Incid. Allowance	Ft	305	305	122.00			
Roads and Trails	Hr	24	24	408.00			
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases Cementg. Materials				146.52			
Analytical Work				36.50			
TOTAL TO DATE *(per MME Form 60)*				$3,112.02			3,112.02

REMARKS

(Continue on back)

REMARKS

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Oct 24 '64 Operator W. S. Moore Co.

Per Maurice S. Moore Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Hugh M. Lennon

Title Acting Field Officer
Government Representative

Date 11-4-64

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

SEPTEMBER, 1964,- NARRATIVE REPORT

SUMMITVILLE MINES PROJECT

W. S. MOORE COMPANY

Rio Grande County, Colorado

Docket No. 6344
Contract No. 2189
Stages I & II

INTRODUCTION

Exploration under both stages I and II are included this month, and separate vouchers and progress reports are submitted, but this narrative report covers both stages for the month of September.

DESCRIPTION OF COMPLETED WORK

Exploration during September has consisted of bulldozing and drilling.

Bulldozer Work

Stage I: A total of 15 hours has been used, all of this in completion of two additional cuts on the Hidden vein. Four of the 6 specified cuts have been completed, and assay and geologic results do not justify finishing the two remaining cuts. Thirty five hours out of the 40 hours allotted have been used.

Stage II: The three exploration cuts authorized for the Tewksbury subproject under Amendment No. 1 were completed for a total of 20 hours, and, in addition, 4 hours were spent in preparing the T-3 drill site.

Drilling

Stage I: Drilling under Stage I consisted only of Hole GD-3, which was carried to a depth of 225 feet, well past the Dexter vein. Twenty feet of reaming was needed at the collar of the hole. The balance was completed without unusual trouble, except that an old working was hit at 191 feet which caused some trouble in drilling through. None of the old maps show workings in this area, but

it is undoubtedly early-day mining from the Montroy adit. NX core size was used throughout. Geologic-assay logs are included for both this and Hole GD-1.

Stage II: The first hole under Stage II, T-3, was completed to a depth of 305 feet. Plug-bit drilling was used to 7 feet, NX from 7'-194', and BX from 194'-305'. The first 33 feet required reaming, and 19 hours of cementing time and considerable grouting material was used in drilling through the highly fractured and altered zone at 194 feet.

Sampling and Mapping

The four Hidden vein cuts were mapped and sampled. Assaying has been done by Mineral Assay Lab in Grand Junction.

GEOLOGY AND ASSAY RESULTS

Hidden Vein Bulldozer Cuts

Two of the four cuts found vein material along the projected strike of the Hidden vein. Locations and assays are shown on the enclosed long-section. Cut #1 showed quartz-alunite alteration but no vuggy quartz vein. The second cut north of the old prospect shaft on the Hidden vein showed a narrow vein 1.5 feet wide, which assayed .23 oz Au and 7.03 oz Ag. The grade is good but the width is too narrow to warrant drilling Hole GH-2, which was planned below this outcrop area. Cut #3, in the drainage north of the Iowa dump, did not find vein material only 70 feet from a vein outcrop, thereby indicating an erratic nature to the Hidden vein in this area. An aplite dike was present. Cut #4, between the Iowa boarding house and the Iowa dump, cut a substantial 9-foot vein, but the assays were low. In view of the erratic nature of the vein width and grade, no further work appears warranted under the Hidden vein subproject.

Hole GD-3

After Hole GD-3 was completed under the OME contract, the operator has drilled a deeper hole to pierce the Dexter vein well down in the sulphide copper zone. Both this hole, SD-1, and GD-3 are shown on the same cross-section. Hole GD-3 intersected a wide but weakly mineralized vein from 97'-114', which was the only vein of consequence found. This was believed to be the main Dexter vein until Hole SD-1 was completed, which intersected a wide ore-grade vein directly below this and another directly below the previously known

Dexter vein on the Chandler level. Since 10 feet of core was lost in going through the old workings in Hole GD-3, the old working must have been driven on the Dexter vein proper, although no core evidence was obtained. This new vein to the north was practically unknown except for meager surface evidence and is unexplored. It will be termed the North Dexter vein. and the original one, the South Dexter vein. The grade in Hole SD-1 is remarkably good; 59 feet averages .028 oz Au, 1.23 oz Ag, and 3.89% Cu.

The Dexter adit is now rehabilitated at the Operator's expense to a point directly below (120' vertically) Hole GD-3. Width and grade of the vein appear very good, and sampling of the vein is being done, making it likely that further drilling might be justified under the OME contract, even though Holes GD-1 and GD-3 were low-grade. Maps will be submitted upon completion.

Hole T-3

Drilling intersected two veins, the T-1 vein near the collar, and the main Tewksbury vein in 3 segments from 130'-188'. Only the hangingwall vein portion of the Tewksbury is of interest, where 5 feet assayed .02 oz Au and 8.81 oz Ag, a gross value of $12.06/Ton. Although this width and grade is presently marginal, it does illustrate the persistence of substantial values to a depth 325 feet below surface and helps confirm the orebody drilled in Holes T-1 and T-2. Vein T-1 was low-grade but does have persistent silver values over 18 feet. The indicated flattening of dip is somewhat exaggerated on the cross-section, since T-3 is 30 feet ahead of the section, and the vein strike of N30°W is not at right angles to the E-W section.

Detailed geology is finished, and a plan map of the South Tewksbury Pipe area is included, which shows the relationship of the 3 holes to important geologic features. Hole T-4, presently being drilled, is also shown. Control of the Tewksbury Pipe is obviously at the intersection of the Tewksbury and Parole veins. The Parole vein is strong and continuous for several hundred feet SW, and drilling is undoubtedly warranted under Stage II.

An unusual feature of Hole T-3 is that the wide and strong quartz-alunite envelope in T-1 is largely non-existent, reverting to strong argillic alteration, but quartz-alunite is again strong at the lower level of the Reynolds Tunnel.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to W. S. Moore Co.

October 21, 1964

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6344
Contract No. 14-23-090-2189
Contract Amount $ 81,680.00
Gov't. Participation % 50 $ 40,840.00
Mineral(s) Gold-silver

OPERATOR'S MONTHLY VOUCHER

For Month of JUNE-JULY, 1964

Operator's Name W. S. Moore Co.
Address 400 Torrey Building, Duluth, Minn.

COST CATEGORIES	FOR OPERATOR'S USE			FOR GOVERNMENT APPROVAL ONLY		
	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$1,404.00	-0-	$ 1,404.00	1,326.00		
Drifting						
Crosscutting						
Drilling	2,426.63	-0-	2,426.63	2,426.63		
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
xxxIncid.Allow.	143.80	-0-	143.80	143.80		
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehab. & Repairs:						
Buildings, Fixtures, etc.						
Operating Equipment						
(6) New Buildings, Fixtures, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Analytical Work	149.50	-0-	149.50	149.50		
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	35.00	-0-	35.00	35.00		
TOTALS	$4,158.93	-0-	$4,158.93	4,080.93	—	4,080.93

I certify that the above bill is correct and just and that payment therefor has not been received.

Date Aug 20 1964 * Payee W. S. Moore Co.

Per Warren S Moore Title President

* When a voucher is signed or receipted in the name of a company or corporation, the name of the person writing the company or corporate name, as well as the capacity in which he signs, must appear. For example: "John Doe Company, per John Smith, Secretary," or "Treasurer," as the case may be.

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

(INSTRUCTIONS ON REVERSE)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:

$ 2,040.46

Signature BAB
(Authorized Certifying Officer)

Date 9/22/64 Vou. No. 391-3

(SEE OTHER SIDE)

Certification by Government Representative:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating an exploration project in accordance with the terms of Contract No. 2189

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 9-16-64

OPERATOR'S MONTHLY REPORT

The Operator, under an Office of Minerals Exploration contract, is required to report monthly to the Government. The report consists of three parts.

FIRST, the Operator's Monthly Voucher on MME Form 60 listing the project costs incurred and claimed by the Operator is the voucher basis for payment of the Government's share of the cost.

SECOND, the Operator's Progress Report on MME Form 61 is a statistical report of the units and cost of of work performed under the contract.

THIRD, the Operator's Narrative Report is a concise description of the work performed, results accomplished, and any unusual situations encountered, illustrated and supported by engineering-geological maps or sketches, drill hole logs, assay reports, etc., as pertinent.

The Operator submits the original and four copies of each of the three sections of this report to the OME regional Executive Officer at the end of each month during the life of the contract.

PREPARATION OF OPERATOR'S MONTHLY VOUCHER, MME FORM 60

After all applicable spaces are filled in, the Operator or his agent must sign the certification in the lower left corner. Categories (2) through (7) apply to "Actual Cost" contracts only.

Under "Fixed Unit Costs" and Category (1) report, (a) the total fixed unit costs of work performed under contract provisions for contribution by the Government on a basis of "fixed unit costs"; and (b) the claimed costs of work performed on a unit-price basis by independent contractors.

Under Category (2) include the claimed costs of all payrolled and invoiced supervisory, technical, and labor personnel, except the costs for services applicable to Categories (5) and (6).

Under Category (3) include the claimed costs of all project materials and supplies other than those used for work under Categories (5) and (6).

Under Category (4) report claimed rentals on equipment belonging to a third party, claimed payments or obligations for payments on the Operator's purchase of equipment, and claimed depreciation for the use of Operator-owned equipment.

Under Categories (5) and (6) include all claimed costs of labor, supervision, technical services, operating materials and supplies, and all other items used in (5) the initial rehabilitation and repairs of existing buildings, fixtures, installations (exclusive of mine workings), and operating equipment; and (6) the installation or construction of new buildings, fixtures, and fixed improvements (exclusive of mine workings). Do not report these costs under Categories (2), (3), (4), and (7).

Under Category (7) include all miscellaneous claimed costs such as repairs (other than initial) and maintenance of equipment, sampling and analysis, travel, communication, accounting, office expenses, and the Operator's share of payroll taxes and insurance.

Except for amounts claimed under "fixed unit costs" provisions of the contract, all costs claimed in this voucher must be supported by documentary evidence consisting of: (a) certified copies or transcripts of payrolls which list each employee, wage rate, period of employment, gross earnings, itemized deductions, and net earnings; (b) original or certified copies of invoices, statements of accounts, or purchase orders which indicate items of materials or services, quantities, unit prices, total charges, and payment terms; and (c) certified memoranda of the Operator for such items as depreciation of Operator-owned equipment, unemployment taxes, and employee's liability insurance. The certification may be stated thus, "Certified True Copy (or Transcript)", followed by the signature of the Operator or his agent. One copy of each document should accompany the original of this voucher.

The requirement for submitting documentary evidence of claimed costs may be waived by the OME regional Executive Officer if he determines that it is impracticable for an Operator to submit this material. In any case of waiver of this requirement an "on-site" audit by an OME auditor is mandatory prior to payment of the final Operator's Monthly Voucher.

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of JUNE-JULY, 1964 Docket No. 6344

Operator's Name W. S. Moore Co. Contract No. 14-23-090-2189

OPERATION	UNITS	FOR OPERATOR'S USE: UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	FOR GOVERNMENT USE: APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting							
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground							
Drilling, Core-Diamond NX	Ft	359.5	359.5	$2,426.63			
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous Core boxes	Ea	35	35	35.00			
Incid. Allow.	Ft	359.5	359.5	143.80			
Roads and Trails	Hr	78	78	1,404.00			1326.00
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				149.50			
TOTAL TO DATE *(per MME Form 60)*				$4,158.93			$4080.93

REMARKS

(Continue on back)

REMARKS
Disallow $78.00 bulldozing
See Amendment No. 1.

(Continue on back)

The undersigned company, and the official executing this certification on its behalf, hereby certify that the information contained in this report is correct and complete to the best of their knowledge and belief.

Date Aug 20 1964 Operator W. S. Moore Co.

Per Warren S. Moore Title President

A willfully false statement or representation to any department or agency of the United States as to any matter within its jurisdiction is a criminal offense. (U.S. Code, Title 18, Sec. 1001.)

I certify that the information above is complete and accurate to the best of my knowledge and belief.

Signature Hugh M. Cannon

Title Acting Field Officer
Government Representative

Date 9-16-64

(INSTRUCTIONS ON REVERSE)

REMARKS (Cont.)

INSTRUCTIONS FOR PREPARING OPERATOR'S PROGRESS REPORT, MME FORM 61

This report is the second of the three parts of the Operator's Monthly Report. Submit the original and four copies.

The cost for each operation should be the total of all claimed costs attributable to that type of work with two exceptions, namely—operating equipment purchased and analytical work which are stated separately. For example, drifting costs should be the total of all costs chargeable to drifting including supervision, technical services, timbering (if any), etc. Similarly, drilling costs should include the cost of cementing, reaming, core boxes, etc. This procedure of distribution holds whether the contract was written on an actual cost or a unit cost basis, or some combination of the two. Distribute the cost of such general items as supervision, equipment rented, etc. according to relative footages or on some other conventional basis. The item "Initial Rehabilitation and Repairs" covers all rehabilitation and/or repairs other than the rehabilitation of mine workings.

RECEIVED
SEP 18 1964
OFFICE OF THE SECRETARY
FISCAL SECTION

The item titled "Drilling, Non-core Percussion" includes all drilling performed with wagon, jack-hammer, stoper and mounted drills. The several items labelled "Other" are provided to take care of particular exploration operations not specified on this form.

UNITED STATES
DEPARTMENT OF THE INTERIOR
Office of the Secretary
Accounting Unit
Washington

September 23, 1964

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: W. S. Moore, Company
800 Torrey Building
Duluth, Minnesota

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 4,158.93	$78.00	$4,080.93 (Gov't. Share - $2,040.46)
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
	GMS 6344 - Contract #2169	June - July 1964

EXPLANATION

Bulldozing claimed at rate of $18.00 per hour whereas amendment No. 2 provides the rate at $17.00 per hour.

EXTRA COPY
O. M. E
RECEIVED SEP 24 1964

DATE	INITIALS	CODE

Any reclaim for items deducted must be supported by the original of this statement and submitted to the office shown above.

Suspension made by:

Signature
Opal A. Shelton
Chief, Accounting Section

Title

44616

NARRATIVE REPORT - JULY, 1964

SUMMITVILLE MINES PROJECT

W. S. MOORE COMPANY

Rio Grande County, Colorado

Docket No. 6344
Contract No. 2189

INTRODUCTION

This report summarizes exploration completed under the above contract for the month of July and the last week in June.

DESCRIPTION OF COMPLETED WORK

Preparatory work to beginning the exploration program, such as snow removal on the road to Summitville and camp installation, started the last part of May. Actual work under the contract commenced on June 19, consisting of bulldozer work to prepare Hidden vein drill sites.

Bulldozer Work

A total of 76 hours has been used. This has accomplished the preparation of Hole T-1 drill site. Also, the 7 specified cuts along the Annie vein in the Copper Hill Knob area are complete, and a portion of the cuts in the Kamond-Pickens vein area are finished. Over a week of time was lost due to repairs. An Allis-Chalmers HD-16 bulldozer is being used which is equivalent to a Caterpillar D-8. The dozer has done an excellent job of excavating the exploration cuts to a considerable depth, in spite of very hard silicified rock.

Drilling

Hole T-1 of the Tewksbury Pipe sub-project was the only hole completed, although Hole CH-1 of the Hidden vein subproject was nearly complete and is down 317.5 feet. Himes Drilling Company was on this hole when they terminated their contract and, as the contract was assumed by Justice Drilling Company, they will finish Hole CH-1 early in August.

Core recovery on Hole T-1 was an excellent 98.8%. Generally the drilling has progressed quite well. Some difficulty was experienced with the T-1 drill site, where the bank sloughed in on the drill rig, necessitating a new site.

Sampling and Mapping

All the veins exposed in the Annie cuts have been mapped and sampled and a map showing results is enclosed. Part of the Esmond-Pickens cuts have been sampled and results will be submitted with the August report.

Interesting sections of core have been split and half sent for assay. Assaying has been divided between Charles O. Parker and Company in Denver and Mineral Assay Laboratory in Grand Junction, with one batch only to Brown Laboratory in Grand Junction.

GEOLOGY AND ASSAY RESULTS

Annie Vein Bulldozer Cuts

Seven cuts have exposed the Annie vein system quite well. (See plan map). One vein extends the length of the area in a N 70° W direction, and is probably the "Portal Vein" at the Copper Hill portal, mentioned in early reports on the Summitville Mine. The width is good (8'- 10'), but the gold-silver assays were quite low. Similar assays were obtained from a parallel vein 50 feet southwest. Copper assays were also run, and as expected, were very low in the oxide zone. The highest assay (5' .14 Au, 2.46 Ag, .171 Cu) is from a vein on top of Copper Hill knob. Since this is only 100' from the Hidden vein, it may be a split from this vein or a separate one within the Annie vein system. However, it is not ore-grade where sampled and does not appear to be a strong vein worth drilling at depth. Stage II of the Annie Vein subproject does not appear warranted unless new surface data would change this view.

Hole T-1

The geologic-assay log with complete assays is submitted with this report. Results are very encouraging as a substantial ore zone has been found from 93' - 110'. Average widths and grades are as follows:

Depth	Width	Oz Au	Oz Ag	$/Ton
93'-110'	17'	.25	3.54	$13.32
103'-110'	7'	.35	3.12	16.27

Because of the flat hole angle of -10°, the vein was intersected nearly at right angles and these are true widths. The vein is on the footwall side of the Tewksbury Pipe. Low-grade mineralization is present throughout the first 93 feet of the pipe which consists of vuggy quartz or completely silicified quartz latite. Quartz-alunite alteration extends for 120 feet into the footwall of the Tewksbury Pipe, but does not appear to contain much disseminated mineralization. The balance of the hole shows moderate alteration of the argillic-chloritic type and weak to moderate pyritization. The vein correlates quite well with the high-grade zone sampled by Newmont Mining Company (Average assay is shown on cross-section), and very likely is an extension of the Tewksbury vein into the pipe itself.

Hole T-2 has intersected a similar ore-zone, and complete assays will be reported in August.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to W. S. Moore Company

THE BROWN LABORATORY
2263 Broadway
GRAND JUNCTION, COLORADO 81501

ANALYTICAL DEPARTMENT

Phone 242-4589

CERTIFICATE OF ANALYSIS

TO

W. S. Moore Company
P. O. Box 340
Del Norte, Colorado

Date 7-14-64
Order No. 17102-S

Material: Ore Samples
Received: 7-12-64
For: Analysis

Lab. No.	Your No.	Description	Ounces Per Ton Gold	Silver	%Cu	%Pb	%Zn
17102-1	1208		-0.005	0.12	0.015		
17102-2	1209		Trace	0.03	0.020		
17102-3	1210		0.02	0.21	0.025		
17102-4	1211		0.07	0.27	0.040		
17102-5	1212		0.11	0.39	0.040		
17102-6	1213		Trace	0.08	0.040		
17102-7	1214		Trace	0.13	0.055		
17102-8	1215		Trace	0.08	0.030		
17102-9	1216		Trace	0.04	0.030		
17102-10	1217		0.14	0.22	0.050		
17102-11	1218		-0.005	0.06	0.030		
17102-12	1219		Trace	0.04	0.020		
17102-13	1220		0.005	0.15	0.070		
17102-14	1221		-0.005	0.13	0.040		
17102-15	1222		Trace	0.005			
17102-16	1223		Trace	Trace			
17102-17	1224		Trace	-0.005	0.020		
17102-18	1225		0.10	0.42	0.020		
17102-19	1226		-0.005	0.07	0.015		
17102-20	1227		0.14	2.46	0.171		
17102-21	1228		-0.005	0.10	0.045		
17102-22	1229		Trace	0.03	0.040		
17102-23	1230		Trace	0.005	0.055		
17102-24	1231		0.02	0.04	0.035		

Analyst

Minerals Assay Laboratory

549 Noland Avenue -:- Grand Junction, Colorado

Phone 242-[illegible]

Date [illegible]

NAME [illegible]

ADDRESS [illegible]

LAB. NO.	SAMPLE RECEIVED		PERCENT URANIUM % U_3O_8	PERCENT VANADIUM % V_2O_5	OZ. GOLD PER TON	OZ. SILVER PER TON	PERCENT COPPER % Cu
[illegible]	[illegible]	7/20/64			[illegible]	[illegible]	[illegible]
[illegible]	0	7/24/64			[illegible]	[illegible]	[illegible]
[illegible]	0	0			[illegible]	[illegible]	[illegible]
[illegible]	0	7/27/64			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	7/24/64			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	7/30/64			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	

TOTAL CHARGES $

R. E. Thomas

Minerals Assay Laboratory

549 Noland Avenue -:- Grand Junction, Colorado

Phone 242-[illegible]

Date 8/3/64

NAME [illegible]

ADDRESS [illegible]

LAB. NO.	SAMPLE RECEIVED		PERCENT URANIUM % U_3O_8	PERCENT VANADIUM % V_2O_5	OZ. GOLD PER TON	OZ. SILVER PER TON	PERCENT COPPER
	8/1/64						
[illegible]	[illegible]	7/30/64			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	0	0			[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]					[illegible]

TOTAL CHARGES $

R. E. Thomas

August 26, 1964

Memorandum

To: Files

(Signed) E. D. Talbert

From: Chief, Contract Administration & Audit Division

Subject: OME-6344 (Gold-Silver)
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colorado
Contract 2189

On the afternoon of August 25 the Acting Field Officer of OME Region III telephoned in regard to the subject contract. Mr. Connors stated that he had just discovered that he had committed a "boner" in accepting the contract as written and having the Operator execute it.

The contract provides for bulldozing under Category (1) Independent Contracts, whereas the Operator planned to use and did use its own equipment. This just came to Mr. Connors' attention on receipt of the Operator's first MME Forms 60 and 61 and he wished to know what to do about it.

I told him that the bulldozing necessarily would have to be suspended pending justification of and execution of an appropriate amendment. He asked if an amendment couldn't be accelerated so that, if he held the voucher, approval would be possible within a week or so. I agreed to ask Mr. Murphy to draft and clear through the Office of the Solicitor an amendment, if in the meantime Mr. Connors would send in his request and justification for granting a fixed unit cost at the same rate as the maximum rate presently allowable for an independent contract presumably including a profit.

Later, in discussing the matter with Mr. Murphy, I found that a proposed amendment transferring bulldozing hours between two subprojects was in the Office of the Solicitor. Accordingly, Mr. Murphy recalled the proposed amendment and incorporated a provision transferring the bulldozing costs, in both Stages I and II, from Category (1) to Fixed Unit Costs.

EDTalbert/ama 8-26-64

cc:
Director's Reading File
CA & A Division
Mr. Talbert

2189

W. S. Moore, Co.

label file as

BOMSPOK 0002

U. S. v. Robert Friedland

Privilege Log BOMSPOK 0002-- Page 1 of 6

Repository Name: USGS - Spokane
Repository Location: Spokane, Washington
File Bates No.: BOMSPOK 0002
File Owner: ~~Bureau of Mines~~ - DMEA U.S. ~~Bureau of~~ Geological Survey
File Location: Spokane, Washington

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
11/24/64	Operator's Monthly Voucher & Progress Report for month of October 1964 (report)	description of exploration work, costs	6	unspecified, DOI Office of Minerals Exploration	Warren S. Moore, W.S. Moore Co.	none	Statute	
11/64	Geologic Assay Log, Hole T-4 (map)	map of assays, N 60°E looking NW	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001; 2 copies in this file
10/24/64	Operator's Monthly Voucher & Progress Report for month of September 1964 (report)	report of costs and operations for Stages I and II	13	unspecified, DOI Office of Minerals Exploration	Warren S. Moore, W.S. Moore Co.	none	Statute	contains one additional page than copy in file BOMSPOK 0001
9/64	Geologic Assay Log, Hole T-1 & T-3 (map)	shows section looking north along coord. 7100N	1	unspecified, unspecified	Charles E. Melbey [sic], Geologic Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001; 2 copies in this file
10/64	Geologic Assay Log, Holes GD-3 & SD-1 (map)	shows section looking west along coord. 12,200N	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001; 2 copies in this file
2/64	Hidden Vein Vertical Long Section (map)	shows looking S 30° W, OME Stage I bulldozer cuts	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001; 3 copies in this file

U. S. v. Robert Friedland

Privilege Log BOMSPOK 0002-- Page 2 of 6

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
9/64	Geologic Map, South Tewksbury Area (map)	shows location of quarry, vein	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001; 2 copies in this file
9/21/64	Operator's Monthly Voucher & Progress Report for month of August 1964 (report)	report of completed work, costs	10	unspecified, DOI Office of Minerals Exploration	Warren S. Moore, W.S. Moore Co.	none	Statute	copy of same document in file BOMSPOK 0001
8/20/64	Operator's Monthly Voucher & Progress Report for month of June-July 1964 (report)	report of completed work, costs	10	unspecified, DOI Office of Minerals Exploration	Warren S. Moore, W.S. Moore Co.	none	Statute	copy of same document in file BOMSPOK 0001
8/64	Geologic Assay Log, Hole T-1 (map)	shows section looking north	1	unspecified, unspecified	unspecified, W.S. Moore Co.	none	Statute	copy of same document in file BOMSPOK 0001
7/64	Annie Vein Dozer Cuts, Copper Hill Knob (map)	shows veins, cuts	1	unspecified, unspecified	Charles E. Melbye, Geological Engineer, W.S. Moore Co.	none	Statute	2 copies in this file
2/64	Geologic Map, Tewksbury Pipe (map)	shows proposed OME drilling, veins	1	unspecified, unspecified	Charles E. Melbye, Geological Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001
2/64	Geologic Map, Copper Hill Knob Area (map)	shows contours, veins, proposed drill holes	1	unspecified, unspecified	Charles E. Melbye, Geological Engineer, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001
3/64	Geologic Map, Esmond-Pickens Cross-Vein Area (map)	shows contours, veins, proposed cuts	1	unspecified, unspecified	Charles E. Melbye, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
not dated	Surface Sketch Map, Dexter Vein (map)	shows proposed drilling	1	unspecified, unspecified	unspecified, W.S. Moore Co.	none	Statute	copy of same map in file BOMSPOK 0001
not dated	Exploration Contract, W.S. Moore Co., OME-6344, Exhibit A (contract exhibit)	description of work and costs	7	unspecified, DOI Office of Minerals Exploration [?]	unspecified, W.S. Moore Co.	none	Statute	copy of same document in file BOMSPOK 0001
not dated	Copy of General [land?] Office Map [of?] Summitville [Area] (map)	map of patented claims in Summitville area	1	unspecified, unspecified	unspecified, unspecified	none	Statute	some words on map are cut off, may have modification from GLO map; copy of what appears to be same map in file BOMSPOK 0001
not dated	Map Showing Fractional Areas Held by Unpatented Locations, Summitville Mine (map)	shows Summitville unpatented claims	1	unspecified, unspecified	unspecified, unspecified	none	Statute	copy of same map in file BOMSPOK 0001
not dated	Notes (notes)	chronology of items in the file	3	unspecified, unspecified	unspecified, DOI Office of Minerals Exploration [?]	none	Statute	
not dated	Summitville Smelter Returns, 1971 Production (spreadsheet)	description of production, net smelter returns	2	unspecified, unspecified	unspecified, unspecified	none	Statute	
5/22/73	Memorandum (memo)	response to request for legal advice on requirement to pay royalty on certain production from Summitville	6	Chief, OME	C. Brewster Chapman, Jr., DOI Office of the Solicitor.	none	Statute	copy of same document in file BOMSPOK 0001; 2 copies in this file

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
not dated	Background and Summary Information, W.S. Moore Co., Summitville Mine (notes)	background on history of OME contract, chronology of production	9	unspecified, unspecified	unspecified, unspecified	none	Statute	
12/26/74	Memorandum (memorandum)	discussion of royalty due, description of exploration work	2	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
12/6/73	Memorandum (memorandum)	discussion of maps, geology	2	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
10/25/73	Memorandum (memorandum)	discussion of exploration work performed	4	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
7/17/73	Memorandum (memorandum)	discussion of production information	4	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
5/9/73	Memorandum (memorandum)	discussion of facts in letter to Field Solicitor	8	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
not dated	None (notes)	copy of adding machine tapes showing net smelter returns, royalties, production	1	unspecified, unspecified	unspecified, unspecified	none	Statute	
10/17/72	OME 6344, Contract 2189 (letter)	copies of settlement sheets	16	unspecified, DOI U.S. Geological Survey	Ben R. Petrie, ASARCO	none	Statute	
not dated	Summitville Smelter Returns, 1971 Production (spreadsheet)	handwritten spreadsheet showing production, smelter returns	1	unspecified, unspecified	unspecified, unspecified	none	Statute	

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
10/11/72	Memorandum (memorandum)	production figures from Summitville	2	Chief, DOI Office of Minerals Exploration	J. William Hasler, Field Officer, DOI Office of Minerals Exploration	none	Statute	
not dated	Summary--Gross metal [unreadable] from smelter settlement sheets--Summitville Mine (before deductions) (notes)	handwritten notes showing production	2	unspecified, unspecified	unspecified, DOI Office of Minerals Exploration	none	Statute	
7/28/72	Letter (letter)	discussion of production, royalty due	2	R.A. Hildebrand, Polaris Resources Inc. & Summitville Inc.	Harold Kirkemo, Chief, DOI Office of Minerals Exploration	Irving S. Moore, W.S. Moore Co. William Trebilcock, Trebilcock Mining Director's reading file Mineral Resources OME reading file Region III Mr. Kirkemo	Statute	
7/14/72	Statement of Settlement, Summitville Inc. (settlement sheets)	description of production, returns, costs	6	unspecified, Summitville Inc.	unspecified, Tacoma Smelter	none	Statute	
7/21/72	Letter (letter)	discussion of royalty due	2	Chief, DOI Office of Minerals Exploration	J. William Hasler, DOI Office of Minerals Exploration	none	Statute	
6/4/71	Memorandum (memorandum/report)	final field report for OME-6344	6	Chief, DOI Office of Minerals Exploration	William L. Emerick, Assistant Chief, DOI Office of Minerals Exploration	none	Statute	

U. S. v. Robert Friedland

Privilege Log BOMSPOK 0002-- Page 6 of 6

Date	Document Title (type)	Description	# Pg	Addressee + Addressee's Organization	Author + Author's Organization	CC/BCC	Privilege	Comment
1/18/68	Letter (letter)	final report of work under exploration contract	15	Frank E. Johnson, Chief, DOI Office of Minerals Exploration	J.M. Madsen, W.S. Moore Co.	none	Statute	
various 8/64-9/65	Geologic Assay Log (maps)	assay logs for holes GH-1, GD-1, GSA-1, GSA-2	4	unspecified, unspecified	Charles E. Melbye, W.S. Moore Co.	none	Statute	
8/64	Esmond-Pickens Dozer Cuts (map)	location of vein, cuts	1	unspecified, unspecified	Charles E. Melbye, W.S. Moore Co.	none	Statute	
1/65	Geochemical Map, North Annie Vein Area (map)	map of North Annie vein	1	unspecified, unspecified	Charles Melbye, Geological Engineer, W.S. Moore Co., Summitville Mines	none	Statute	copy of same map in file BOMSPOK 0001
8/64	Geologic Assay Log, Hole T-2 (map)	description of vein, assays	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	
12/64	Longitudinal Section, North Dexter Vein (map)	description of vein	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	
2/64	Dexter Vein, Vertical Long Section (map)	description of exploration work, looking N	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	
12/64	Longitudinal Section, Tewksbury Vein (map)	description of vein, workings	1	unspecified, unspecified	Charles E. Melbye, Geologic Engineer, W.S. Moore Co.	none	Statute	

MME Form 14
March 1961

No. 284

Contract No. Idm-E) 14-23) 2189

Docket No. DMEA) MME) 6344

Date of Action ~~May 22, 1964~~
Approved contract

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OBLIGATION DOCUMENT

To: Chief, Fiscal Section, Office of the Secretary

From: Chief, Division of Administrative Management

Please enter the amounts shown below on the accounts of the Office of Minerals Exploration.

Name and Address of Contractor:
W. S. Moore, Co.
400 Torrey Building
Duluth, Minnesota

Date of Contract	Region	State	Commodity
May 22, 1964	III	Colorado	Gold-Silver
	Reserve		Obligation
Prior Amount	$ 0		0
Increase	40,840.00		0
Decrease	0		0
Revised Amount	$40,840.00		0

Remarks:

6 1/2% interest

cc: 110
800
210

88995-61

5·22·64

Memorandum

To: Acting Field Officer, Region III

From: Chief, Division of Field Operations

Subject: GSE-6344 (Gold-Silver)
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colorado

14-23-2189

Enclosed are the original and four copies of a proposed contract for the subject mines. The contract consists of MSE Form 30 (7 pages), Annex I (3 pages), 2 Lien or Subordination Agreements (1 pending execution by the Riggs), Exhibit A (7 pages), Exhibit B (1 page), and 7 maps (Figures 2 and 3, and Plates 2, 4, 6, 11, and 12). An extra copy of the contract is also enclosed for field use. All copies have been signed by the Acting Director for the Government. You should insert the date for commencement of the work.

We are enclosing a copy of the May 12 memorandum from the Assistant Solicitor. Please be guided by his instruction that a Lien or Subordination Agreement from the Riggs must be provided to you before you can release the contract for signature.

If the proposed contract is satisfactory to you and the Applicant, all five copies should be signed by an authorized representative of the Applicant. Thereafter, please distribute the copies in the usual manner.

Please advise the Applicant that the 6½ percent interest accrues from the dates on which the individual payments are made by the Government and like the principal is repayable from royalty on production.

If any part of the proposed contract does not have your approval or that of the Applicant and cannot be altered within your delegated authority, the original and all copies are to be returned to this office together with the proposed changes for consideration.

We cannot help being a little dubious as to the value of the diamond drilling program set up in the contract. So often diamond drilling in the oxidized zone proves unsatisfactory; the soft, spongy oxides are very difficult to core and even the sludges present problems. At times the sludges are lost in the hole due to the open, porous conditions and even when there is a sludge return, results are apt to be low due to a certain portion of the heavy fraction being trapped in the cracks and openings of the bottom and walls of the hole.

When the project gets under way, we suggest that you keep it under surveillance and any time when you might feel that a reappraisal was in order, we would be guided by your recommendations. If the overburden is not too heavy, perhaps series of small test pits might work out satisfactorily, or you might have other alternate methods which you would feel would be applicable.

Enclosures

WHGriswold/mm
5/13/64
cc: Director's Reading File
Review Committee
Docket

P. S. When you receive the Riggs Lien or Subordination Agreement, please insert its date in the last paragraph of Annex I.

It is not intended that the hours of bulldozing assigned the individual subprojects be considered as maximums.

Audit's Copy

EXPLORATION CONTRACT
W. S. MOORE CO.
OME-6344

AMENDMENT NO. 3

It is agreed this 11th day of May, 1965, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and W. S. Moore Co., hereinafter called the "Operator," that Exploration Contract 2189 (OME-6344), dated May 22, 1964, as amended, is further amended effective May 1, 1965, as follows:

1. In Exhibit A under the heading Description of the Work, Stage II, the following is added:

North Annie Vein Subproject

Four holes may be drilled in the oxidized zone under this subproject. The locations, bearings, inclinations, and depths of three of these holes are indicated in Fig-1, entitled "--- Geochemical Map North Annie Vein Area ---," attached hereto and made part hereof. The fourth hole may be drilled in accordance with specifications mutually agreed upon by the Government and Operator.

It is estimated that this subproject will require 1,100 feet of drilling, 110 core boxes, 80 assays for gold and silver and possibly copper, and 40 hours of bulldozing to prepare the drill sites. The cost of the work under this subproject shall be met from funds not required for other Stage II subprojects at the same actual and fixed unit costs.

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

THE UNITED STATES OF AMERICA

By [signature]
Acting Director, Office of Minerals Exploration

W. S. MOORE CO.

By [signature]

Title President

Bldg. 20, Denver Federal Center
Denver, Colo. 80225

May 17, 1965

OFFICIAL COPY
O. M. E.
RECEIVED
MAY 19 1965

INITIALS	CODE
	820

W. S. Moore Co.
400 Torrey Building
Duluth, Minnesota

Re: OME-6344 (Gold-Silver)
Contract 2189
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colo.

Dear Mr. Moore:

Enclosed are the original and three copies of proposed Amendment No. 3 signed by the Acting Director for the Government.

All copies should be signed by an authorized representative of your company. Retain the Operator's copy and return the remaining copies to this office.

If any part of the proposed amendment does not have your approval, the original and all copies are to be returned to this office together with your proposed changes for consideration.

Based upon the results obtained on Stage I of the contract no work under Stage II will be authorized on the Hidden Vein subproject, the Annie Vein subproject, the Baxter Vein subproject, and the Esmond-Pickins Cross Vein subproject. By not authorizing Stage II of these projects, makes funds available for the new subproject and saves rewriting the greater part of Exhibit A.

Yours very truly,

ORIGINAL SIGNED BY

Hugh M. Connors
Acting Field Officer, OME
Region III

H. M. Connors (5-17-65)
cc: G. C. Selfridge
C. K. Fisher
2189
Chron
Melbye

Audit's Copy

EXPLORATION CONTRACT
W. S. MOORE CO.
OMR-6344

AMENDMENT NO. 2

It is agreed this 22nd day of January, 1965, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and W. S. Moore Co., hereinafter called the "Operator," that Exploration Contract 2189 (OMR-6344), dated May 22, 1964, as amended, is further amended as follows:

1. (a) Work under the contract shall be suspended during the period beginning January 7, 1965, and ending not later than June 15, 1965.

(b) No costs incurred by the Operator during the period of suspension shall be allowable for contribution by the Government.

(c) The Government shall not contribute to any costs of rehabilitation or repair which in its opinion would not have occurred if there had been no suspension of the work.

(d) The Operator, at its own cost and expense, without contribution by the Government during the period of suspension shall preserve and protect the contract work.

This amendment shall not be construed to increase the amount of any item designated as maximum, the fixed unit cost of any item of work, the estimated total cost of the contract, or the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By George Turnich
Acting Director, Office of
Minerals Exploration

W. S. MOORE CO.

By Warren S. Moore

Title President

Bldg. 20, Denver Federal Center
Denver, Colo. 80225

January 29, 1965

~~OFFICIAL~~
COPY
O. M. E.
RECEIVED
FEB 1 1965

INITIALS	CODE
	800

W. S. Moore Co.
400 Torrey Building
Duluth, Minnesota

Re: OME-6344 (Gold-Silver)
Contract 2189
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colo.

Dear Mr. Moore:

Enclosed are the original and four copies of proposed ~~Amendment~~ No. 2 to the subject contract.

If the proposed amendment is satisfactory to you please sign all copies, retain the Operator's copy and return the original and all other copies to this office.

If any part of the proposed amendment does not have your approval, please return the original and all copies to this office with the proposed changes for consideration.

Yours very truly,

ORIGINAL SIGNED BY

Hugh M. Connors
Acting Field Officer, OME
Region III

cc: G. C. Selfridge
C. E. Fisher
2189
Chron

Bldg. 20 - Denver Federal Center
Denver, Colo. 80225

September 29, 1964

EXTRA COPY
O. M. E
RECEIVED OCT 2 1964

DATE	INITIALS	CODE
		800

Mr. Charles E. Malbye
2020 Foothills Road
P. O. Box 309
Golden, Colorado

Re: OME-6344
Contract No. 2189
W. S. Moore Co.
Summitville Mines

Dear Mr. Malbye:

This letter constitutes Government approval to drill hole Y-4 of Stage II on the Tonkenburg subproject in accordance with your formal request of September 29, 1964.

Nothing in this work approval shall be construed to increase the estimated total cost of the project, the aggregate amount which the Government may be required to contribute, the fixed unit cost of any item of work, or any item of cost which is expressly designated "maximum."

Yours very truly,

ORIGINAL SIGNED BY

Hugh M. Connors
Acting Field Officer
OME, Region III

cc: W. S. Moore Co.
400 Torrey Bldg.
Duluth, Minn. 55802

G. C. Selfridge
6344 - 2
Chron

A. D. To Chron

MME Form 14
March 1961

Contract No. Idm-E) 14-23) 2189

no. 308

Docket No. DMEA) MME) 6344

Date of Action September 18, 1964
executed minus amend.

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OBLIGATION DOCUMENT

To: Chief, Fiscal Section, Office of the Secretary

From: Chief, Division of Administrative Management

Please enter the amounts shown below on the accounts of the Office of Minerals Exploration.

Name and Address of Contractor:

W. S. Moore Co.
400 Torrey Building
Duluth, Minnesota

Date of Contract	Region	State	Commodity
May 22, 1964	III	Colorado	gold-silver

	Reserve	Obligation
Prior Amount	0	$40,840.00
Increase	0	0
Decrease	0	120.00
Revised Amount		$40,720.00

Remarks:

cc: 110
800
210

88995-61

Bldg. 20 - Denver Federal Center
Denver, Colo. 80225

EXTRA COPY O. M. E. RECEIVED SEP 18 1964		
DATE	INITIALS	CODE
September 16, 1964		

Memorandum

To: George C. Selfridge, Chief
Division of Exploration Operations
Washington, D. C. 20240

From: Acting Field Officer, OME, Region III

Subject: OME-6344 (Gold-Silver)
Contract 2189
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colorado

Enclosed are the original and two copies of executed Amendment No. 1 to the subject contract.

ORIGINAL SIGNED BY

Hugh M. Connors

cc: E. D. Talbert
2189
Chron

Audit's Copy

EXPLORATION CONTRACT
W. S. MOORE CO.
OME-6344

AMENDMENT NO. 1

It is agreed this 28th day of August, 1964, between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and W. S. Moore Co., hereinafter called the "Operator," that Exploration Contract 2189 (OME-6344), dated May 22, 1964, is amended effective the date of the contract as follows:

1. In Exhibit A under the heading Description of the Work, Stage II:

   (a) In the description for the Tewksbury Pipe Subproject, the following paragraph is added:

   "In the Tewksbury Pipe area bulldoze a trench across the projected strike of the vein at a point about 100 feet due south of drill Hole T-2. Two trenches shall be bulldozed along the projected extension of the Parole vein to the southwest; one 350 feet S. 45° W., and the second 550 feet S. 45° W. of the shaft at the Tewksbury glory hole. Not to exceed 20 hours of bulldozer work shall be performed in completing the three trenches."

   (b) In the description for the Annie Vein Subproject, the last sentence "Twenty hours of bulldozing may be utilized to prepare drill sites" is deleted.

2. In Article 1(b) of the contract the figures $81,680.00 and $40,840.00 are revised to read $81,440.00 and $40,720.00.

3. In Exhibit A under the heading Estimated Costs of the Project:

   (a) In Category (1) Independent Contracts the specifications and costs for Bulldozing in Stages I and II are deleted.

   (b) In Stage I under Fixed Unit Costs the following is added:

   (1) Bulldozing (D-8)
   150 hours actual "on the job" working hours @ $17.00/hr. $2,550.00
   D-7 @ $14.00/hr.

(2) The figure $24,410.00 for Total Estimated Costs Stage I is revised to read $24,260.00.

(c) In Stage II under Fixed Unit Costs the following is added:

(1) Bulldozing (D-8)
95 hours actual "on the job" working hours @ $17.00/hr. $1,615.00
D-7 @ $14.00/hr

(2) The figure $57,270.00 for Total Estimated Costs Stage II is revised to read $57,175.00.

(d) The words and figures under SUMMARY are revised to read:

Total estimated cost Stage I	$24,260.00
" " " " II	57,175.00
Total estimated cost of the project (rounded)	$81,440.00
Government participation @ 50%	$40,720.00

This amendment decreases the estimated total cost of the contract and the aggregate total amount which the Government may be required to contribute.

Executed in quintuplicate the day and year first above written.

THE UNITED STATES OF AMERICA

By Frank E. Johnson
Acting Director, Office of
Minerals Exploration

W. S. MOORE CO.

By Warren S. Moore

Title President

Bldg. 20 - Denver Federal Center
Denver, Colo. 80225

EXTRA COPY
O. M. E
RECEIVED SEP 11 1964

DATE		CODE
		800

September 8, 1964

W. S. Moore Co.
400 Torrey Building
Duluth, Minnesota

Re: OME-6344 (Gold-Silver)
Contract 2189
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colo.

Dear Mr. Moore:

Enclosed are the original and four copies of proposed Amendment No. 1 to the subject contract.

If the proposed amendment is satisfactory to you please sign all copies, retain the Operator's copy and return the original and all other copies to this office.

You will note that in changing bulldozing to Unit Costs, the hourly rate was reduced to reflect such profits as an independent contractor might expect for the work. When the Operator performs the work with its own personnel and equipment, the Government contributes only to the actual cost.

Yours very truly,

Hugh N. Connors
Acting Field Officer
OME, Region III

cc: G. C. Selfridge
E. D. Talbert
2189
Chron

Bldg. 20 - Denver Federal Center
Denver, Colo. 80225

AIR MAIL

August 25, 1964

Memorandum

To: George C. Selfridge, Chief
Division of Exploration Operations
Washington, D. C. 20240

From: Acting Field Officer, OME, Region III

Subject: OME-6344 (Gold-Silver)
Contract 2189
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colorado

EXTRA COPY
O. M. E
RECEIVED AUG 27 1964

DATE	INITIALS	CODE
8/27		800

There is an error in the subject contract that should be corrected. The Applicant stated that he owned and had an Allis-Chalmers HD-16 bulldozer on the property. This is equivalent to a Caterpillar D-8.

Will you please prepare an Amendment to the contract to take buildozing out of category (1) Independent Contracts.

Could this be included with the Amendment requested by the Operator and forwarded with my memorandum of August 17, 1964.

Hugh M. Connors

cc: E. D. Talbert
2189
Chron

MME Form 14
March 1961

Contract No. Idm-E) 14-23) 2189

288

Docket No. DMEA) MME) 6344

Date of Action June 11, 1964
Executed Contract

DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OBLIGATION DOCUMENT

To: Chief, Fiscal Section, Office of the Secretary

From: Chief, Division of Administrative Management

Please enter the amounts shown below on the accounts of the Office of Minerals Exploration.

Name and Address of Contractor:
W. S. Moore, Co.
400 Torrey Building
Duluth, Minnesota

Date of Contract	Region	State	Commodity
May 22, 1964	III	Colorado	Gold-Silver

	Reserve	Obligation
Prior Amount	$40,840.00	0
Increase	0	$40,840.00
Decrease	$40,840.00	0
Revised Amount	0	$40,840.00

Remarks:

6-1/2% interest

cc: 110
800
210

88995-61

Bldg. 20 - Denver Federal Center
Denver, Colo. 80225

June 9, 1964

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: OME-~~6334~~ 6344 (Gold-Silver)
W. S. Moore Co.
Summitville Mines
Rio Grande County, Colorado

Enclosed are the Government's, Audit's, and Fiscal Section's executed copies of the subject contract.

ORIGINAL SI

T. M. Romslo for
Hugh M. Connors

Attachments

cc: Contract 2189
Contract 2149 (corres.)
Chron

EXTRA COPY
O. M. E.
RECEIVED JUN 11 1964

DATE	INITIALS	CODE
		800

MME Form 52
June, 1961

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090 – 2189
Contract Date MAY 22 1964

LIEN OR SUBORDINATION AGREEMENT 1/

To the United States of America:

That certain land in the County of Rio Grande, State of Colorado,

described as follows: 2/ all the claims described in that certain Agreement of Lease, dated February 1, 1960, and recorded in Book 240, Page 45, of the records of Rio Grande County.

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and

W. S. Moore Co. 3/

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same. 4/

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

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.)

The lien of the United States, if any, resulting from OMA Docket No. [illegible], Contract No. [illegible] N-1107.

A production payment in the approximate amount of $5,000.00 in favor of Barnsdall Oil Company and payable only from the owners royalty payments.

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated _____, and recorded in Book _____, Page ____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions None (State "None" or "See Annex No. ____".)

Dated this 20th day of April, 1954.

The Reynolds-Gross Corporation

1000 East Seventh Avenue (Street)
Denver, Colorado 80218 (City & State)

By Anna P. Garvey (Seal)
Ann B. Garvey
President

(Street)
(City & State)

(Seal)

(Street)
(City & State)

(Seal)

(Street)
(City & State)

(Seal)

(Street)
(City & State)

(Seal)

(Street)
(City & State)

(Seal)

PLAINTIFF SHOULD NOT SIGN

I, John B. Tipple (Name), certify that I am the Secretary (Title—Secretary, etc.) of the corporation named herein; that Ann B. Garvey (Name), who signed this agreement was then President (Title—Pres., Vice-Pres., etc.) of said corporation; that said agreement was duly signed for and in behalf of said corporation by authority of its governing body, and was within the scope of its corporate powers.

John B. Tipple (Corporate Seal)

INT.-DUP. SEC., WASH., D.C.
95181

MME Form 52
Jan. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

FOR GOVERNMENT USE ONLY
Operator
Docket No. OME –
Contract No. 14-23-090– 2189
Contract Date May 22, 1964

LIEN AND SUBORDINATION AGREEMENTS[1]

To the United States of America:

That certain land in the County of Rio Grande, State of Colorado, described as follows:[2] all of the claims described in that certain Agreement of Lease, dated February 1, 1956, and recorded in Book 243, Page 45, of the records of Rio Grande County,

hereinafter called the "land", is the subject of a proposed exploration contract, hereinafter called the "Contract", between the United States of America, hereinafter called the "Government" and

W. S. Moore Co.[3]

hereinafter called the "Operator". In consideration for and as an inducement to the Government executing the Contract, the undersigned:

1. (a) Being the owner of an interest in the land, hereby grants to the Government a lien upon all of his right, title, and interest in the land and upon any production of minerals therefrom to secure the payment to the Government of the royalty on production provided for by the Contract, and agrees if the Operator's interest should be surrendered or terminated at any time prior to the expiration of the rights of the United States under said Contract to pay royalty to the Government according to the terms of said Contract; or

(b) Being the holder of a claim, lien, or encumbrance against the land, hereby subordinates his claim, lien, or encumbrance in or against the land and in any production therefrom to the rights of the Government under the Contract with respect to royalty on production and liens to secure same.[4]

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

3. Represents and undertakes that there is no claim, lien, or encumbrance upon the undersigned's right, title, claim, or interest in or against the land other than the following: (If "none" insert the word "none". Do not leave blank.) The lien of the United States, if any, resulting from DMEA Docket No. 4643, Contract No. Idm. 8-1107

1/ Production from the land is not required, and in the absence of production there is no obligation to pay royalty to the Government.

2/ Either (a) insert the legal description of the land, or (b) strike out the words "as follows" and insert "in a lease /or contract, deed, or other document/ dated_____, and recorded in Book_____, Page____, official records of said county". If (b) is used, the book and page of recordation must be inserted above. If the space provided is insufficient, use an Annex and refer to the Annex in the space.

3/ Insert name exactly as it appears in the Application MME Form 40.

4/ Subparagraph 1(a) does not apply to the holder of a claim, lien, or encumbrance.

4. Undertakes and agrees (a) neither to commit any act nor assert any claim in conflict with the provisions of this Agreement; and (b) to give advance notice of the Government's rights under this agreement to any subsequent transferee, mortgagee, encumbrancer, or lessee of any of the undersigned's right, title, claim, or interest in or against the land or any production therefrom, furnishing the Government with two true copies of such notice; and

5. Consents to all amendments (including an agreement of termination) and assignments of the Contract without notice thereof, and undertakes and agrees that this agreement shall extend and apply thereto.

6. Added provisions None (State "None" or "See Annex No.____".)

Dated this 25th day of May, 1964.

[signature]	(Seal)	1500 E. 7th Ave.	(Street)
		Denver, Colo. 80218	(City & State)
Shirley A Rigg	(Seal)		(Street)
		Same	(City & State)
	(Seal)		(Street)
			(City & State)
	(Seal)		(Street)
			(City & State)
	(Seal)		(Street)
			(City & State)
	(Seal)		(Street)
			(City & State)

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

_____
(Corporate Seal)

EXPLORATION CONTRACT
W. S. MOORE CO.
ONR-6344

EXHIBIT A

The purpose of this project is to explore for ores of gold and silver in veins and locally mineralized wall rocks in areas of quartz latite porphyry believed to contain significant mineralization.

General Provisions

No work under this contract shall be performed at locations that are within 200 feet of the exterior boundaries of the property. No hole may be drilled at a location which is within 100 feet of any other hole. All holes shall be cased through overburden and then continued standard NX core size (2-1/8" core diameter). The holes may be reduced if necessary to complete the hole, to standard BX core size (1-5/8" core diameter) or to standard AX core size (1-1/8" core diameter) or approximately equivalent wireline size. Noncore drilling may be done when advisable.

The Government will not contribute to the cost of any incomplete hole.

Significantly mineralized core shall be split and one split assayed for gold and silver; a copper determination may also be made if considered desirable. The other split shall be stored in proper sequence with the unmineralized core. No sample shall represent a hole length of greater than five feet.

Facilities shall be provided for recovering drill sludges and such sludges shall be retained when drilling in significantly mineralized formations. Whenever the core recovery is less than 60 percent, the corresponding retained sludges shall be sampled and assayed, as shall also such core segments as may have been recovered. Such results shall be combined according to standard practice to form a representative sample.

The core from the diamond drilling shall be stored in core boxes, identified as to hole number and with markers to indicate the represented depths. Splits of the sludge and core segment samples shall be stored in suitable containers properly identified as to source and location.

Splits of samples from the bulldozer cuts and trenches shall also be assayed for gold and silver, and copper determinations may likewise be made when desirable.

The stored core and splits of samples from whatever source shall be made available for Government inspection and possible use. With prior Government approval, the Operator may dispose of such stored material.

True copies of assay certificates of all samples shall be submitted with the Operator's monthly report, which shall also include maps or sketches showing the work completed during the reporting period. The maps shall show the locations and values of the samples, with the general rock formations, plus logs of holes drilled.

The Operator shall provide such supervisory and technical services as may be required to complete the work in a satisfactory manner.

The location, direction, and extent of each work item shall be subject to Government approval.

The bulldozer for exploratory trenching and drill sites shall be of D-8 size or equivalent dozer of other make. A D-7 dozer or equivalent size of other make may be used if a D-8 is not readily available.

The work is divided into two stages and the work under each stage is divided into various subprojects. The Stage I work in each instance shall be done as outlined herein and as much of the following Stage II work shall be done as receives advance approval by the Government. Such approval shall be contingent upon favorable results having been obtained under the first stage, but each subproject will be considered individually as a basis for approvals.

Description of the Work

Stage I

* Indicates a maximum

Hidden Vein Subproject

The southeasterly projection of the Hidden vein, in the area where surface sampling of outcrops has shown significant mineralization,

will be explored by means of bulldozer trenching and by the diamond drilling of two holes labeled GH-1 and 2; the holes and dozing are indicated on the attached Plate 2, "Hidden Vein, Vertical Long Section." Each of the two holes shall be approximately 300 feet in length and shall be drilled southwesterly at minus 40 and 35 degrees, respectively. The combined length of the two holes shall not exceed 650 feet.

In addition to the trenching, bulldozing will also be done for the two drill hole sites. Forty hours of bulldozing in all may be utilized.

Tuckabury Pipe Subproject

Two holes, T-1 and T-2, shall be drilled to explore a circular area, some 250' in diameter, which presents disseminated gold-silver values. The holes shall each be approximately 350 feet in length, with a combined total footage not to exceed 700 feet and shall be drilled westerly at angles of minus ten degrees as indicated on Plate 4, "Geologic Map Tuckabury Pipe." Ten hours of bulldozing may be utilized to prepare the drill sites.

Annie Vein Subproject

A series of exploratory bulldozer cuts shall be excavated in the area of the Annie vein and the wide mineralized area known as Copper Knob as indicated on Plate 6, "Geologic Map Copper Hill Knob Area," to explore the near-surface mineralization. All cuts shall be mapped and sampled to determine if drilling is justified and the most favorable locations for such drilling. Forty hours of bulldozing may be utilized.

Dexter Vein Subproject

Four holes each approximately 250 feet in length shall be drilled southerly as indicated on the attached Plate 12, "Surface Sketch Map Dexter Vein." Hole GD-1 shall be drilled at a minus 17 degrees angle and holes GD-2, 3, and 4 each at minus ten degrees, the purpose being to explore the Dexter vein and nearby wall rock to maximum depths of approximately 80 feet. The total combined drilling footage shall not exceed 1,000 feet. Twenty hours of bulldozing may be utilized for drill site preparation.

Ramond-Pickens Cross Vein Subproject

Bulldozing shall be done to explore the Ramond, Pickens, and "D" areas veins lying westerly of the Annie vein and to explore their areas of intersection with each other for both disseminated ore in pipes and for high-grade veins as indicated on Plate 11, "Geologic Map, Ramond-Pickens Cross Vein Area." Forty hours of bulldozing may be utilized.

Total Stage I

Bulldozing	150 hours *
Diamond drilling	2,350 feet *

Stage II

* Indicates a maximum

Hidden Vein Subproject

Four additional surface holes shall be drilled of an average length of approximately 300 feet, to explore the most favorable areas. The total combined drilling footage shall not exceed 1,200 feet. Twenty hours of bulldozing may be utilized for drill site preparation.

Tombstone Pipe Subproject

Three or four holes shall be drilled with a combined length not to exceed 1,250 feet to explore this zone and possibly the Purple vein southwesterly extension. Twenty hours of bulldozing may be utilized for drill site preparation.

Annie Vein Subproject

Two holes, GA-1 and GA-2, roughly located as shown on the attached Plate 6, shall be drilled southerly (at an angle of minus 15 degrees) to explore at a distance of 50 to 200 feet below the surface the main silicified portion of the area. Each hole shall have an approximate length of 250 feet. Likewise additional holes shall be drilled at locations believed favorable, but the overall total of Stage II drilling shall not exceed 1,300 feet. Twenty hours of bulldozing may be utilized to prepare drill sites.

Dunter Vein Subproject

Two additional holes with a combined length not to exceed 800 feet shall be drilled to explore the vein and the mineralized area. Two hours bulldozing may be utilized for drill site preparation.

Kamond-Pickens Cross Vein Subproject

From three to five holes may be drilled to explore favorable areas but the total combined footage shall not exceed 1,500 feet. Twenty-five hours of bulldozing may be utilized for drill site preparation.

Total Stage II

Bulldozing	95 hours *
Diamond drilling	6,250 feet *

Estimated Costs of the Project

Stage I

Category (1) Independent Contracts

Bulldozing (D-8)	
150 hrs. actual "on the job" working hours @ $18.00/hr.	$ 2,700.00
D-7 @ $15.00/hr.	
Diamond drilling	19,370.00
Overburden drilling, cased, @ $10.00/ft.	
NX standard size, @ $6.75/ft.	
BX standard size, 0 - 200 ft. depth, @ $6.25/ft.	
BX standard size, 200 - 400 ft. depth, @ $6.75/ft.	
AX standard size, 0 - 200 ft. depth, @ $5.75/ft.	
AX standard size, 200 - 400 ft. depth, @ $6.25/ft.	
Noncore drilling, 0 - 200 ft. depth, @ $5.50/ft.	
Noncore drilling, 200 - 400 ft. depth, @ $6.00/ft.	
Mobilization, @ $250.00/drill rig	
Running and casing	
NX $4.00/ft.	
BX $3.50/ft.	
AX $3.00/ft.	

Cementing and redrilling @ $10.00/hr.

Cementing materials, $500.00

Category (3) Operating materials and supplies

None except

250 cardboard core boxes @ $1.00 each $ 250.00

Fixed Unit Costs 1/

Incidental allowance per foot of drilling completed @ $0.40 (2,350 ft.) 940.00

Assaying
400 assays for gold and silver @ $2.50 $1,000.00
100 determinations for copper @ $1.50 150.00 1,150.00

Total estimated costs Stage I $24,410.00

Stage II

Category (1) Independent Contracts

Bulldozing (D-8)
95 actual "on the job" working hours @ $18.00/hr. $ 1,710.00
D-7 @ $15.00/hr.

Diamond drilling 50,190.00
Overburden drilling, cased, @ $10.00/ft.
NX standard size, @ $6.75/ft.
BX standard size, 0 - 200 ft. depth, @ $6.25/ft.
BX standard size, 200 - 400 ft. depth, @ $4.75/ft.
AX standard size, 0 - 200 ft. depth, @ $5.75/ft.
AX standard size, 200 - 400 ft. depth, @ $4.25/ft.
Monocore drilling, 0 - 200 ft. depth, @ $5.50/ft.
Monocore drilling, 200 - 400 ft. depth, @ $4.00/ft.

Reaming and casing
NX $4.00/ft.
BX $3.50/ft.
AX $3.00/ft.

Cementing and redrilling @ $10.00/hr.

Cementing materials, $1,000.00

Category (3) Operating materials and supplies

None except

600 cardboard core boxes @ $1.00 each	600.00

Fixed Unit Costs 1/

Incidental allowance per foot of drilling completed @ $0.40 (6,250 ft.)		2,500.00
Assaying		
800 assays for gold and silver @ $2.50	$2,000.00	
150 copper determinations @ $1.50	270.00	2,270.00
Total estimated costs Stage II		$57,270.00

SUMMARY

Total estimated cost Stage I	$24,410.00
Total estimated cost Stage II	57,270.00
Total estimated cost of the project	$81,680.00
Government participation @ 50%	$40,840.00

1/ Includes all costs, Catagories 2 through 7, except core boxes.

EXHIBIT B

NONDISCRIMINATION IN EMPLOYMENT

(Section 301, Executive Order 10925, March 6, 1961, as amended)

'During the performance of this contract, the contractor agrees as follows:

'(1) The contractor will not discriminate against any employee or applicant for employment because of race, creed, color, or national origin. The contractor will take affirmative action to ensure that applicants are employed, and that employees are treated during employment, without regard to their race, creed, color, or national origin. Such action shall include, but not be limited, to the following: employment, upgrading, demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices to be provided by the contracting officer setting forth the provisions of this non-discrimination clause.

'(2) The contractor will, in all solicitations or advertisements for employees placed by or on behalf of the contractor, state that all qualified applicants will receive consideration for employment without regard to race, creed, color, or national origin.

'(3) The contractor will send to each labor union or representative of workers with which he has a collective bargaining agreement or other contract or understanding, a notice to be provided by the agency contracting officer, advising the said labor union or workers' representative of the contractor's commitments under this section, and shall post copies of the notice in conspicuous places available to employees and applicants for employment.

'(4) The contractor will comply with all provisions of Executive Order No. 10925 of March 6, 1961, as amended, and of the rules, regulations, and relevant orders of the President's Committee on Equal Employment Opportunity created thereby.

'(5) The contractor will furnish all information and reports required by Executive Order No. 10925 of March 6, 1961, as amended, and by the rules, regulations, and orders of the said Committee, or pursuant thereto, and will permit access to his books, records, and accounts by the contracting agency and the Committee for purposes of investigation to ascertain compliance with such rules, regulations, and orders.

'(6) In the event of the contractor's noncompliance with the nondiscrimination clauses of this contract or with any of the said rules, regulations, or orders, this contract may be cancelled, terminated, or suspended in whole or in part and the contractor may be declared ineligible for further Government contracts in accordance with procedures authorized in Executive Order No. 10925 of March 6, 1961, as amended, and such other sanctions may be imposed and remedies invoked as provided in the said Executive Order or by rule, regulation, or order of the President's Committee on Equal Employment Opportunity, or as otherwise provided by law.

'(7) The contractor will include the provisions of paragraphs (1) through (7) in every subcontract or purchase order unless exempted by rules, regulations, or orders of the President's Committee on Equal Employment Opportunity issued pursuant to section 303 of Executive Order No. 10925 of March 6, 1961, as amended, so that such provisions will be binding upon each subcontractor or vendor. The contractor will take such action with respect to any subcontract or purchase order as the contracting agency may direct as a means of enforcing such provisions, including sanctions for noncompliance: Provided, however, that in the event the contractor becomes involved in, or is threatened with, litigation with a subcontractor or vendor as a result of such direction by the contracting agency, the contractor may request the United States to enter into such litigation to protect the interests of the United States.'"

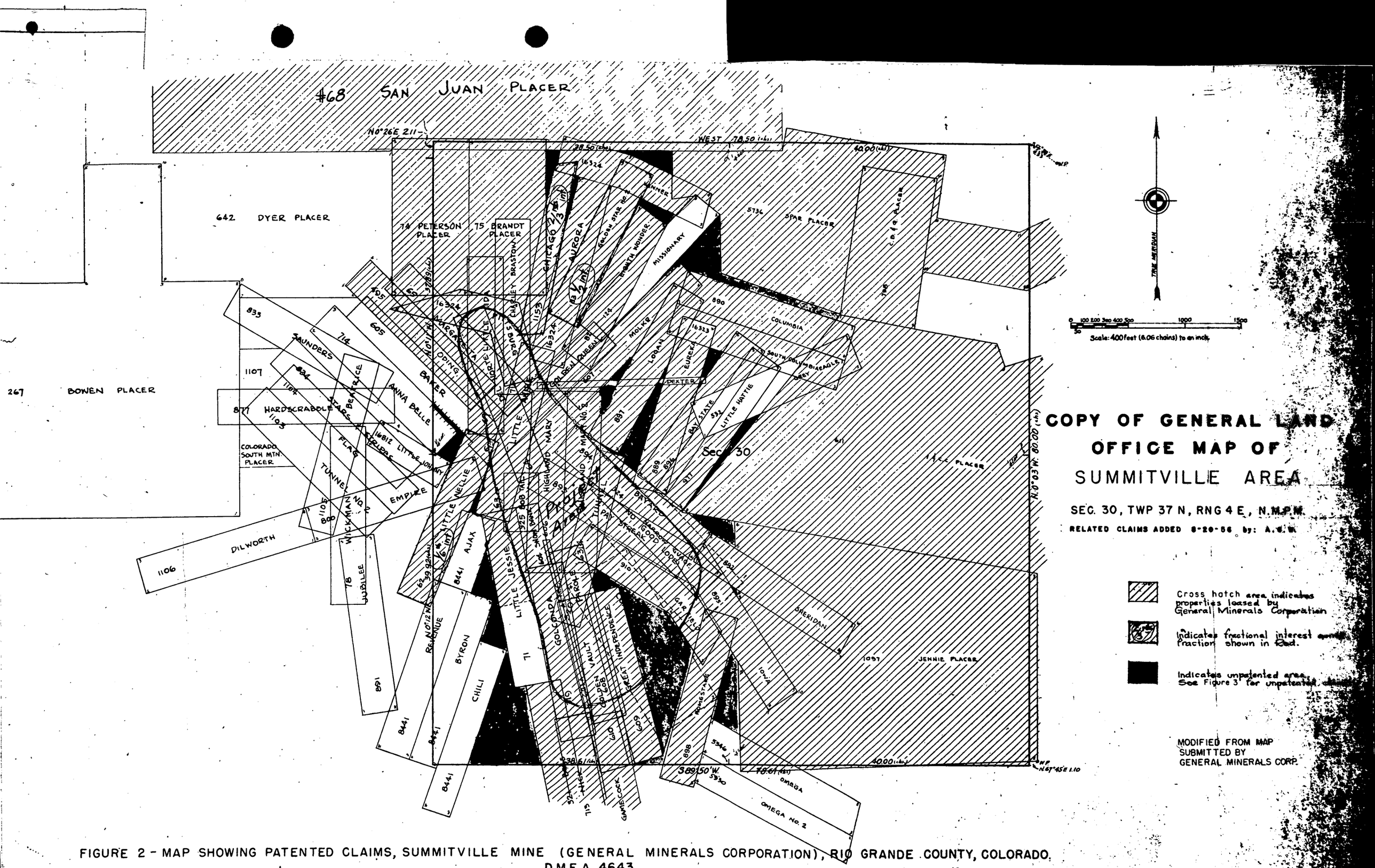


FIGURE 2 - MAP SHOWING PATENTED CLAIMS, SUMMITVILLE MINE (GENERAL MINERALS CORPORATION), RIO GRANDE COUNTY, COLORADO.

DMEA 4643

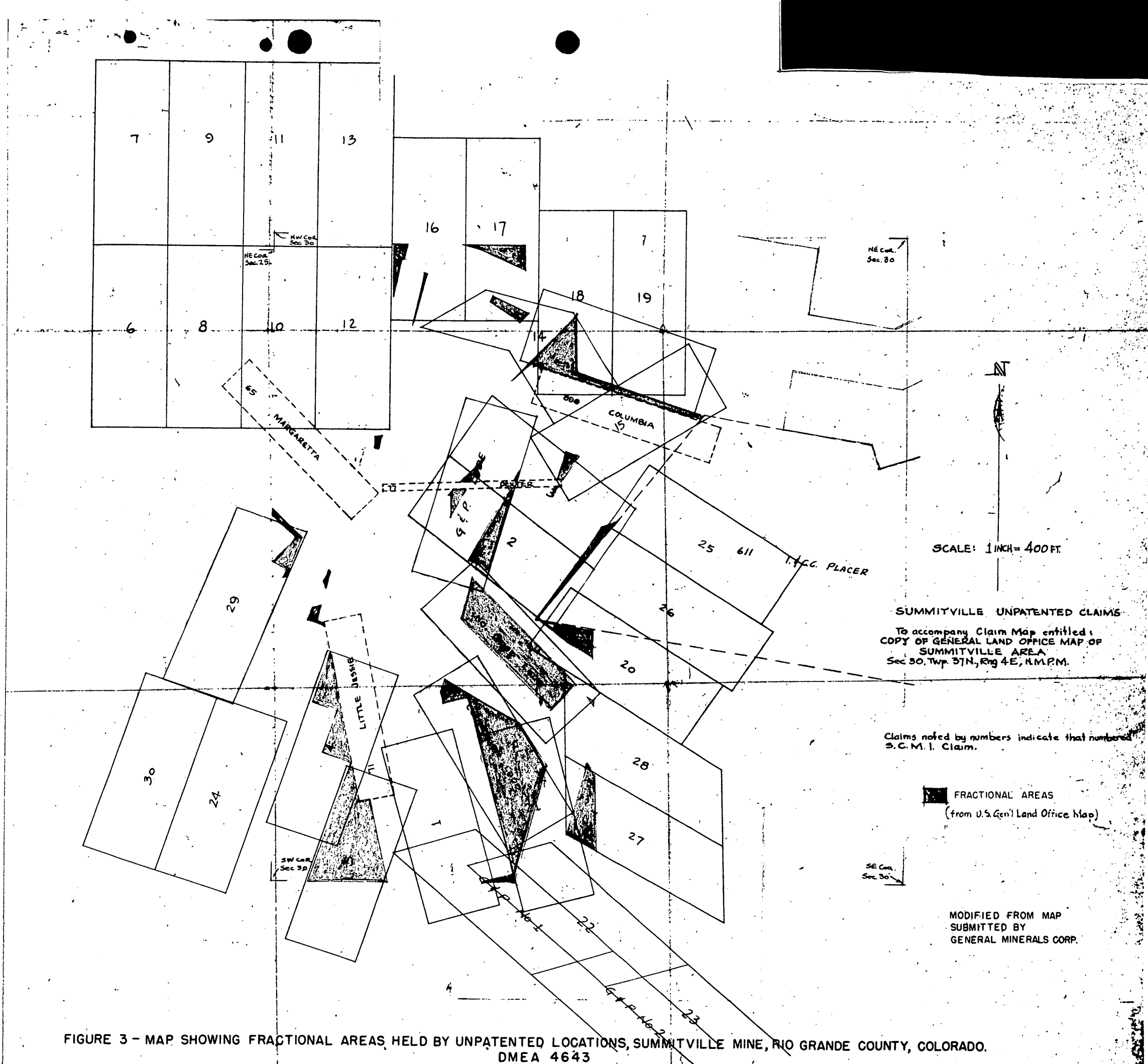


FIGURE 3 – MAP SHOWING FRACTIONAL AREAS HELD BY UNPATENTED LOCATIONS, SUMMITVILLE MINE, RIO GRANDE COUNTY, COLORADO.
DMEA 4643

EXPLORATION CONTRACT
W. S. MOORE CO.
CME-6344

ANNEX I

The land referred to in Article 2 of the contract consists of 87 patented and unpatented claims and land parcels as listed below, with all rights pertaining thereto, in secs. 17, 29, and 30, T. 37 N., R. 4 E. New Mexico P.M., all in the Summit mining district, Rio Grande County, Colorado.

Patented Claims

Name	Survey No.
Golden Queen Lode	61
Little Annie	63
Del Norte	64
Margaretta Lode	65
Little Ida	67
San Juan Placer	68
North 800 ft. Little Jessie	71
Paterson Placer	74
Brandt Placer	75
Bobtail Lode	325
Oding Lode	475
Snow Bank Lode	604
Helena Lode	607
Colocada Lode	319
Tunnel Lode	320
Ross Lode	321
Nick Lode	713
Game Cock Lode	716
Garfield Lode	910
Bay State Lode	896
Little Hattie Lode	977
Sheridan Lode	892
Columbia Lode	890
Home Stake Lode	898
Eureka Lode	889
Jubilee Lode	891
Parole Lode	608
Pay Streak Lode	893
Logan Lode	897

Name	Survey No.
Bayard Lode	894
Great Independence Lode	609
Golden Vault Lode	610
Iowa Lode	895
Jennie Placer	1097
C. B. & Q. Placer	798
I. & C. C. Placer	611
Highland Mary Lode	606
Highland Mary No. 2 Lode	16314
South Columbia Lode	16323
Aurora Lode	16324
Vanner Lode	16324
Pittsburgh Lode	16324
Dexter Lode	77
Aztec Lode	621A
Gray Eagle (1/6 interest)	532
Little Nellie (1/6 interest)	62
Spar Placer	5736
Rio Grande Placer	5736
Denver Placer	5738
Electric Placer	6413

SE 1/4 of sec. 17, T. 37 N., R. 4 E.
NE 1/4 of sec. 29, T. 37 N., R. 4 E.

Unpatented Claims

Name	Official Records of Rio Grande County	
	Book	Page
SCMX Nos. 1 to 30 Lodes	80	308-322
No Good Lode	80	343
Confusion Lode	80	343
G. & P. Lode	80	296
G. & P. No. 1 Lode	80	297
G. & P. No. 2 Lode	80	297

The land is shown cross hatched and in dark green on the attached maps entitled "Figure 2 - Map Showing Patented Claims, Summitville Mine (General Minerals Corporation), Rio Grande County, Colorado," and "Figure 3 - Map Showing Fractional Areas Held by Unpatented Locations, Summitville Mine, Rio Grande County, Colorado."

The Operator is in possession of the property pursuant to an Assignment Agreement (copy in Docket No. OME-6344), dated September 21, 1963, between the Operator and John B. Rigg and Shirley A. Rigg, and by an Agreement Modifying and Amending Mining Lease (copy in Docket No. OME-6344), dated September 25, 1963, between the Reynolds-Morse Corporation, the property owners, and the Operator.

A Lien or Subordination Agreement executed on April 29, 1964, by The Reynolds-Morse Corporation, covering the claims listed in this Annex I is attached hereto and made part hereof.

A Lien or Subordination Agreement executed on May 25, 1964, by John B. Rigg and Shirley A. Rigg, covering the claims listed in this Annex I is attached hereto and made a part hereof.

Audit's Copy

MME Form 50
June 1963

UNITED STATES OF AMERICA
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

EXPLORATION CONTRACT
(Long Form)

Docket No.	Commodity	Contract No.	County	State
OME -6344	Gold-Silver	14-23-090- 2189	Rio Grande	Colorado

It is agreed MAY 22 1964 (Date), between the United States of America, acting through the Department of the Interior, Office of Minerals Exploration, hereinafter called the "Government," and

U. S. Moore Co., a Minnesota corporation

whose mailing address is 400 Torrey Building, Duluth, Minnesota, hereinafter called the "Operator," as follows:

ARTICLE 1. Authority and scope.--(a) This contract, entered into under the authority of Public Law 701, 85th Cong., 2d sess. (72 Stat. 700; 30 U.S.C. § 641 - 646), consists of this form, the attached Annex I (land description), Exhibit A (work and costs), and the maps and documents listed. The work is a search for new or unexplored deposits of the commodity designated above. The Operator shall begin the work on or before JUL 1 1964 (Date), and, subject to the provisions of Article 9 and Exhibit A, shall either have completed the work within 24 months from the date of the contract or shall have incurred allowable costs (see Article 6) in a sum not less than the total cost set forth in Exhibit A.

(b) The total allowable cost of the work set forth in Exhibit A is $81,680.00. The Government will contribute 50 percent of the allowable costs as they are incurred, in a total sum not in excess of $40,840.00 in accordance with the provisions of Articles 3, 4, 5, and 6. "Costs incurred" means costs that have been paid or have become due and payable, or that the Government determines have become obligations.

(c) Interest computation.--Simple interest at the rate of 6 - ½ percent shall accrue from the dates Federal funds are made available until the period specified for payment of royalty expires, or until the amount of Federal funds contributed is fully repaid with interest.

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

ARTICLE 2. Operator's rights in land.--(a) The Operator represents and undertakes that Annex I correctly describes the land which is the subject of this contract and the nature of the Operator's right of property and possession therein (whether as owner, lessee, or otherwise), and that such right, title, or interest is subject only to the following claims, liens, or encumbrances:

See Annex I

(b) The Subordination Agreement of the holder of any claim, lien, or encumbrance listed above and (if the Operator does not hold the legal title) the lien agreement of any holder of the legal title of the land (lessor, seller, optionor, etc.) are attached as follows:

See Annex I

(c) The Operator shall preserve and maintain his right, title, or interest in the land and his right to the possession thereof for the purposes of this contract, and shall devote the land and all existing improvements, facilities, buildings, installations, and appurtenances to the purposes of this contract. The Operator shall neither transfer, convey, nor surrender the land nor any right, title, or interest therein, nor permit nor suffer any claim, lien, or encumbrance thereon, without expressly referring to and providing in the instrument of conveyance, lien, or encumbrance for the preservation of the Government's right to a royalty on production and liens for the payment thereof. Two true copies of such instrument shall be furnished to the Government. If the Government's rights to royalty as provided in Article 7 have been terminated, the provisions of this paragraph (c) shall become inapplicable.

ARTICLE 3. Performance of the work.--(a) Operator's responsibility.--The work shall be performed diligently, efficiently, in a workmanlike manner in accordance with good mining standards, and in compliance with State laws governing health, safety, and liability insurance covering employment. The Operator shall provide suitable and adequate equipment, facilities, materials, supplies, and labor to complete the work as specified in Article 1(a).

(b) Independent contracts.--To the extent that the allowable costs are estimated in Exhibit A with express reference to performance by independent contractors on a unit-price basis (such as per foot of drilling, per foot of drifting, per hour of bulldozer operations), the work may be so performed (see Article 6(a), Category (1)). Any such independent contract shall refer to some specific and identifiable part of the work, and shall be subject to all of the pertinent terms and conditions of this exploration contract; but the Government shall not be considered a party thereto, and its rights under this contract, including the right to terminate its contributions, shall not be affected thereby. Regardless of the provisions of any such independent contract, the Government will participate in payments to the independent contractor only as to work performed in accordance with the provisions of this exploration contract, and only to the extent that the Government deems the unit prices for the work under the independent contract to be reasonable.

(c) Government may inspect.--The Operator shall consult with and inform the Government on all phases of the work as it progresses. The Government may enter at all reasonable times to inspect the work under the contract and production operations during the period that royalty is payable to the Government. The Operator shall provide the Government with all reasonable means of access for such inspections.

ARTICLE 4. Contribution by the Government.-- The Government will make its contribution on the basis of the monthly vouchers referred to in Article 5(b), but all payments by the Government are provisional only, subject to audit. Until the account between the Operator and the Government is finally audited and settled and the Operator's final report has been received, the Government may withhold such sums as are necessary to protect its interests. The Government may make payments for the account of the Operator directly to independent contractors and suppliers rather than to the Operator.

ARTICLE 5. Reports, accounts, audits.--(a) Operator's records.--The Operator shall keep suitable records and accounts of the work performed and of any production in which the Government may have an interest; and shall preserve those with respect to work performed for at least three years after final payment by the Government, and those with respect to production for at least three years after any obligation to pay royalties to the Government has terminated. The Government may inspect and audit said records and accounts at any time, either by itself or by a certified public accountant. The Comptroller General of the United States or his representative, until the expiration of said three-year periods, shall have access to and the right to examine all pertinent books, documents, papers, and records of the Operator. If work under this contract is carried on in conjunction with any other operations, or if labor, supervision, services, materials, supplies, equipment, facilities, or other requirements for carrying on the work are also used in connection with other operations, the costs shall be segregated and accounted for on a basis and by methods and accounts that are satisfactory to and approved by the Government.

(b) Monthly reports.--The Operator shall provide the Government with four copies of monthly reports in three sections as follows:

(1) Operator's Monthly Voucher claiming costs for work performed;

(2) Operator's Progress Report showing the number of units of the various types of work performed; and

(3) a narrative report of the work performed during the reporting period, including adequate engineering-geological maps or sketches, drill hole logs and locations, and assay reports on samples taken concurrently with advance in mineralized ground.

(Forms for reporting under (1) and (2) above will be provided by the Government; however, the original of the Operator's Monthly Voucher shall be supported by documentary evidence, such as certified copies or transcripts of payrolls and invoices, for all costs claimed under Article 6 (a) (1).)

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

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

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

ARTICLE 6. Costs.--(a) Allowable costs.--The allowable costs of the work to which the Government will contribute are limited to:

(1) the necessary, reasonable, and direct actual costs that are estimated in Exhibit A by categories as specified in this article; and

(2) fixed costs for units of work to be performed (per foot, per hour, etc.) agreed upon in lieu of actual costs and set forth in Exhibit A.

The Government will not contribute to costs under any category or subcategory omitted from the estimate of costs in Exhibit A. Any excess over any estimate which is indicated as the maximum of any category, subcategory, or item, either as to requirement or related cost; any excess over a fixed unit cost; and any excess over the total allowable cost of the work are not allowable. The Operator shall incur such excesses for his own account without contribution by the Government, but the Operator is not obligated to incur more than his agreed percentage of the total allowable cost of the work.

Any category or subcategory or element thereof not designated as a maximum in this article or in Exhibit A may be exceeded, provided that the total allowable cost of the work, which is a maximum, is not exceeded.

CATEGORY (1)--INDEPENDENT CONTRACTS.--(See Article 3(b)). The total of this category and the average unit cost estimated for each type of work to be performed under an independent contract are maximums.

CATEGORY (2)--PERSONAL SERVICES.

Subcategory (a)--Supervision and Technical Services--All elements of this subcategory (number of supervisors, technicians, outside consultants, periods of employment, rates of pay, and total) are maximums.

Subcategory (b)--Labor.

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

CATEGORY (4)--OPERATING EQUIPMENT.

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

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

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

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

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

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

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

CATEGORY (7)--MISCELLANEOUS.--Includes requirements and costs that do not fall within any of the first six categories, such as repairs other than initial and maintenance of operating equipment, analytical work, prints and other reproductions, accounting, Operator's share of payroll taxes, liability insurance covering employment, travel, and communications.

(b) Nonallowable costs.--In addition to the limitations imposed by paragraph (a) of this Article 6 the Government will not contribute to the following costs:

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

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

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

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

(c) Reductions in costs.--The Operator shall account for and give the Government credit for any incidental benefits, credits, or money received in the ordinary course of business in prosecuting the work (as by salvage or sale of materials or equipment, furnishing of room or board, furnishing of power or services to third persons, rebates or discounts on purchases, etc.), in the same ratio in which the Government contributes to costs; and such amounts shall be treated as a reduction in costs incurred so that they are available for use within the limit of the original total cost. The provision does not apply to receipts from production which are subject to the Government's royalty under the provisions of Article 7.

(See Article 16)

ARTICLE 7. Repayment by Operator.--(a) Certification/-- If the Government considers that mineral or metal production from the land covered by the contract may be possible as a result of the exploration work, it shall so certify in writing to the Operator at any time not later than six months after a sufficient final report and final accounting (see Article 5) have been furnished.

(b) Royalty on production.--The Operator, whether or not the producer (for example, if the Operator either transfers or does not retains his interest in the land), shall pay to the Government a royalty on all minerals and metals mined or produced from the land as follows:

(1) irrespective of any certicifation of possible production--from the date of the contract until the lapse of the time within which the government may issue such certification or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first; or

(2) if the Government issues a certification of possible production--for a period of ten years from the date of the contract, or until the total net amount contributed by the Government is fully repaid with interest, whichever occurs first.

(c) Payment of royalty.--(1) The Government's royalty shall be five percent of the gross proceeds (including any bonuses, premiums, allowances, or other benefits) from the production sold, in the form sold (ore, concentrate, metal or equivalent), at the point of delivery (the f.o.b. point); except, that charges of the buyer arising in the regular course of business and shown as deductions on the buyer's settlement sheets (such as treatment processes performed by the buyer, sampling and assaying to determine the value of the production sold, and freight payable by the buyer to a carrier (not the Operator or producer)), shall be allowed as deductions in arriving at the "gross proceeds" as that term is used herein. No costs of the Operator or Producer are deductible in arriving at the "gross proceeds" as that term is here used.

The term "treatment processes" means those processes (such as milling, concentrating, smelting, refining, or equivalent, but excluding fabricating or manufacturing) applied to the crude ore or other production after it is extracted from the ground to put it into a commercially marketable form.

(2) The Government's royalty shall be computed and paid currently upon each lot sold, held, or used in integrated operations, as the case may be.

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

(e) Lien for payment.--To secure the payment of royalty (see Article 7(b)), the Operator hereby grants to the Government a lien upon his interest in the land and upon any production of minerals and metals therefrom until the royalty claim is extinguished by lapse of time or is fully paid.

(f) Notice to purchasers.--The Operator or producer shall give notice of the Government's claim for royalty to any purchaser of the production, and shall authorize and direct such purchaser to pay the royalty directly to the Government and to furnish the Government with copies of the settlement sheets. If the records of any production and sales or other disposition of production, whether the production is by the Operator or by others, are not made available to the Government, the amount of the royalty may be estimated by the Government, and this estimate shall be final and binding upon the Operator or producer.

(g) No obligation to produce.--Nothing in this contract shall be construed as imposing any obligation on the Operator or the Operator's successor in interest to engage in any production operations.

(h) Government not obligated to buy.--Nothing in this contract shall be contrued as imposing any obligation on the Government to purchase any minerals and metals mined or produced from the land.

ARTICLE 8. Interests in purchased property.--(a) Title and ownership.--All costs under this contract shall be incurred by the Operator in the Operator's own name and for the Operator's own account; but any property acquired to the cost of which the Government contributes shall belong to the Operator and the Government jointly in proportion to their respective contributions although title thereto shall be taken in the name of the Operator.

(b) Preservation of property.--Until the final disposal of any property in which the Government has an interest, the Operator shall preserve and protect same for the best interest of the Government, and any reasonable and necessary cost thereof will be treated as an allowable cost of the exploration. After the completion of the work, termination of the Government's obligation to contribute, or when such property is not being used for the work, the Operator shall not use it elsewhere without the written consent of the Government and without paying a reasonable rental to be fixed by the Government for its proportionate interest.

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

(d) Default of the Operator re disposal.--If within 90 days after the completion of the work, termination of the Government's obligation to contribute to costs, or after the property is no longer needed for the work, the Operator has failed to sell or otherwise liquidate or dispose of any property in which the Government has an interest, the Government, at any time prior to final settlement under the contract, may:

(1) in writing extend the time within which the Operator must dispose of or liquidate the property;

(2) by written notice to the Operator, place upon such property what it determines to be a fair valuation thereof, not in excess of the cost less 1.66 percent per month from the date such property was purchased under this contract to the termination of said 90-day period; and such property shall thereupon be considered and accounted for as having been purchased by the Operator at the valuation so fixed by the Government; and

(3) enter and take possession of such property wherever it may be found, and remove and dispose of it for the joint account of the parties.

ARTICLE 9. Termination of the Government's obligations.--(a) If the Government determines that operations at any time have failed to achieve anticipated results and further work is not justified, the Government may give the Operator written notice thereof, and thereupon:

(1) the Government shall be free of all obligation to contribute to costs not then incurred other than such as may be allowable under the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

(b) If the Government determines that the Operator is in default under the terms of the contract, the Government may give the Operator written notice of such default with a specification of reasonable time within which the default must be cured; and if the Operator fails to cure such default as required, thereupon:

(1) the Government shall be relieved of all obligation to contribute to costs not incurred when the notice was given, other than such as may be allowable by the provisions of the contract as necessary and incidental to final accounting and reporting; and

(2) the Operator shall be free of all obligation to prosecute the work other than such as may be necessary and incidental to final accounting and reporting.

The Government may also avail itself of any other remedy the law may provide for breach of contract, including the right to rescind the contract and to demand repayment of all moneys contributed by the Government under the contract.

(c) The giving of any notice by the Government under the provisions of this Article 9 shall not affect the Government's rights as provided for in the contract with respect to royalty and liens to secure the payment thereof, and such rights shall be fully preserved.

(d) The determinations of the Government are subject to appeal under Article 13.

ARTICLE 10. Notices to be given by the Government may be delivered to the Operator, or may be sent by certified mail addressed to the Operator at his mailing address stated in this contract. If mailed, notices are deemed to have been delivered five days after the date of mailing.

ARTICLE 11. Officials not to benefit.--No member of or delegate to Congress or resident commissioner shall be admitted to any share or part of this contract or to any benefit that may arise therefrom; but this provision shall not be construed to extend to this contract if made with a corporation for its general benefit.

ARTICLE 12. Nondiscrimination in Employment. The provisions respecting nondiscrimination in employment which are required by section 301 of Executive Order 10925, dated March 6, 1961 as amended and supplemented are attached hereto as Exhibit B and are hereby incorporated in and made a part of this contract.

ARTICLE 13. Disputes.--Any dispute arising under this contract which is not disposed of by agreement shall be decided by the Director, Office of Minerals Exploration, who shall reduce his decision to writing and mail or otherwise furnish a copy thereof to the Operator. The decision of the Director, Office of Minerals Exploration, shall be final and conclusive unless, within 30 days from the date of receipt of such copy, the Operator mails or otherwise furnishes to the Director, Office of Minerals Exploration, a written appeal addressed to the Secretary of the Interior. The decision of the Secretary or his duly authorized representative for the determination of such appeals shall be final and conclusive unless determined by a court of competent jurisdiction to have been fraudulent, or capricious, or arbitrary, or so grossly erroneous as necessarily to imply bad faith, or not supported by substantial evidence.

The term "Director, Office of Minerals Exploration," as used herein includes his duly authorized representative.

ARTICLE 14. Work Hours Act of 1962 - Overtime Compensation.--This contract, to the extent that it is of a character specified in the Work Hours Act of 1962 (Public Law 87-581, 76 Stat. 357-360) and is not covered by the Walsh-Healey Public Contracts Act (41 U.S.C. 35-45), is subject to the following provisions and to all other provisions and exceptions of said Work Hours Act of 1962.

(a) Overtime requirements.--No Operator or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any laborer or mechanic to be employed on such work in excess of eight hours in any calendar day or in excess of forty hours in any workweek unless such laborer or mechanic receives compensation at a rate of not less than one and one-half times his basic rate of pay for all hours worked in excess of eight hours in any such calendar day or in excess of forty hours in any such workweek, as the case may be.

(b) Violations; liability for unpaid wages; liquidated damages.--In the event of any violation of the clause set forth in subparagraph (a) of this paragraph, the Operator and any subcontractor responsible therefor shall be liable to any affected employee for his unpaid wages. In addition, such Operator and subcontractor shall be liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for

liquidated damages. Such liquidated damages shall be computed, with respect to each individual laborer or mechanic employed in violation of the clause set forth in subparagraph (a) of this paragraph, in the sum of $10 for each calendar day on which such employee was required or permitted to work in excess of eight hours or in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in subparagraph (a) of this paragraph.

(c) Withholding for unpaid wages and liquidated damages.--The Office of Minerals Exploration may withhold or cause to be withheld, from any moneys payable on account of work performed by the Operator or subcontractor, such sums as may administratively be determined to be necessary to satisfy any liabilities of such Operator or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in subparagraph (b) of this paragraph.

ARTICLE 15. Copeland (Anti-Kickback) Act--Nonrebate of wages.--The regulations of the Secretary of Labor applicable to contractors and subcontractors (29 CFR, Part 3), made pursuant to the Copeland Act, as amended (40 U. S. C. 276c) and to aid in the enforcement of the Anti-Kickback Act (18 U. S. C. 874) are made a part of this contract by reference. The Operator will comply with these regulations and any amendments or modifications thereof and will be responsible for the submission of affidavits required of independent contractors thereunder. The foregoing shall apply except as the Secretary of Labor may specifically provide for reasonable limitations, variations, tolerances, and exemptions.

ARTICLE 16. Changes and added provisions.--

In addition to royalties which may accrue under this contract, royalty is also payable under Contract Ln-3107, Docket DMA-463.

Executed in quintuplicate the day and year first above written.

W. S. MOORE CO.
(Operator)

By Warren S. Moore Pres.

Title

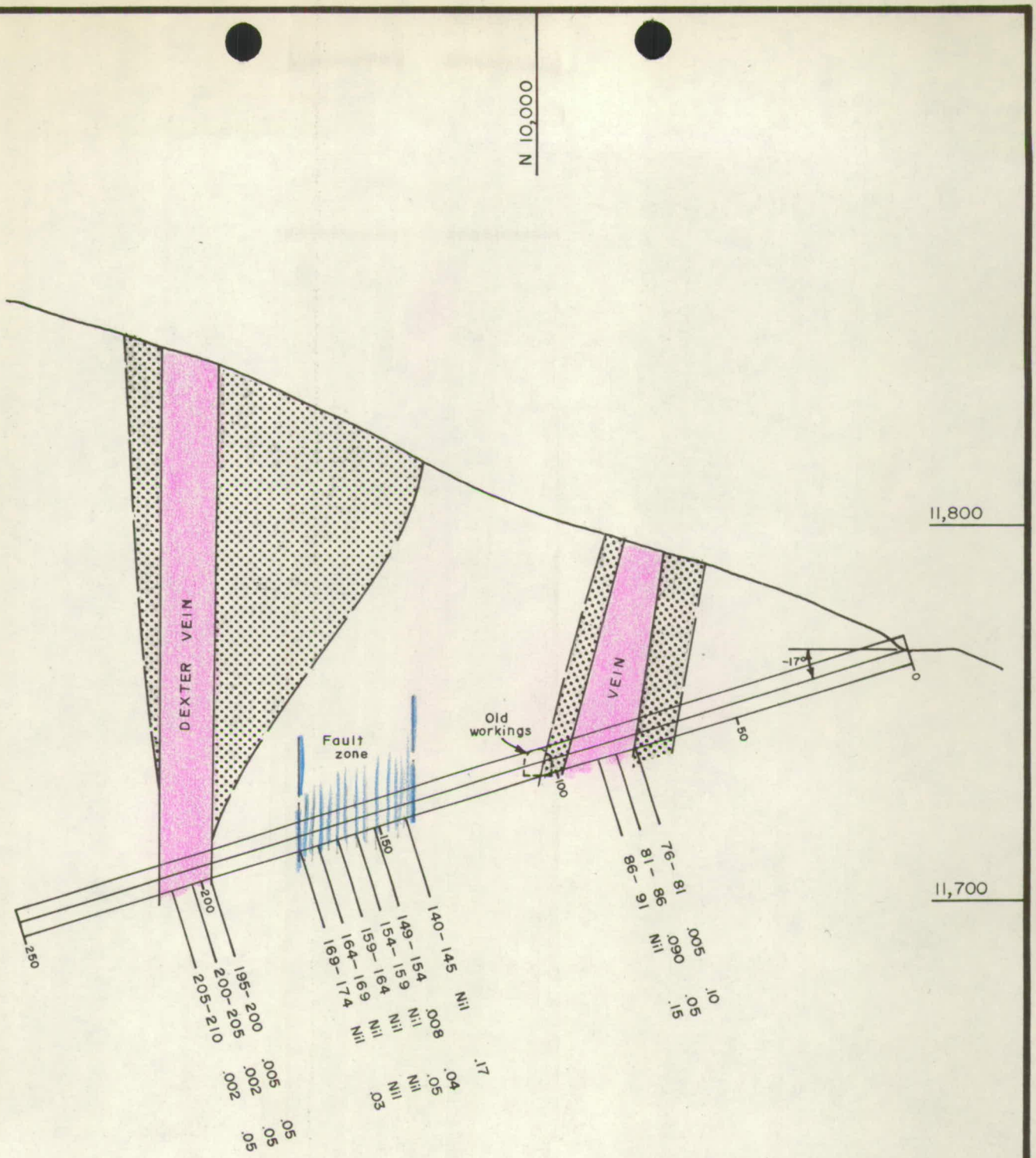
THE UNITED STATES OF AMERICA

By George Turnbull
Acting Director, Office of Minerals Exploration

I, Robert J Kennedy (Name), certify that I am the secretary of the corporation named as Operator herein; that Warren S. Moore (Name), who signed this contract on behalf of the Operator, was then President (Title) 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.

R. J. Kennedy

[CORPORATE SEAL]

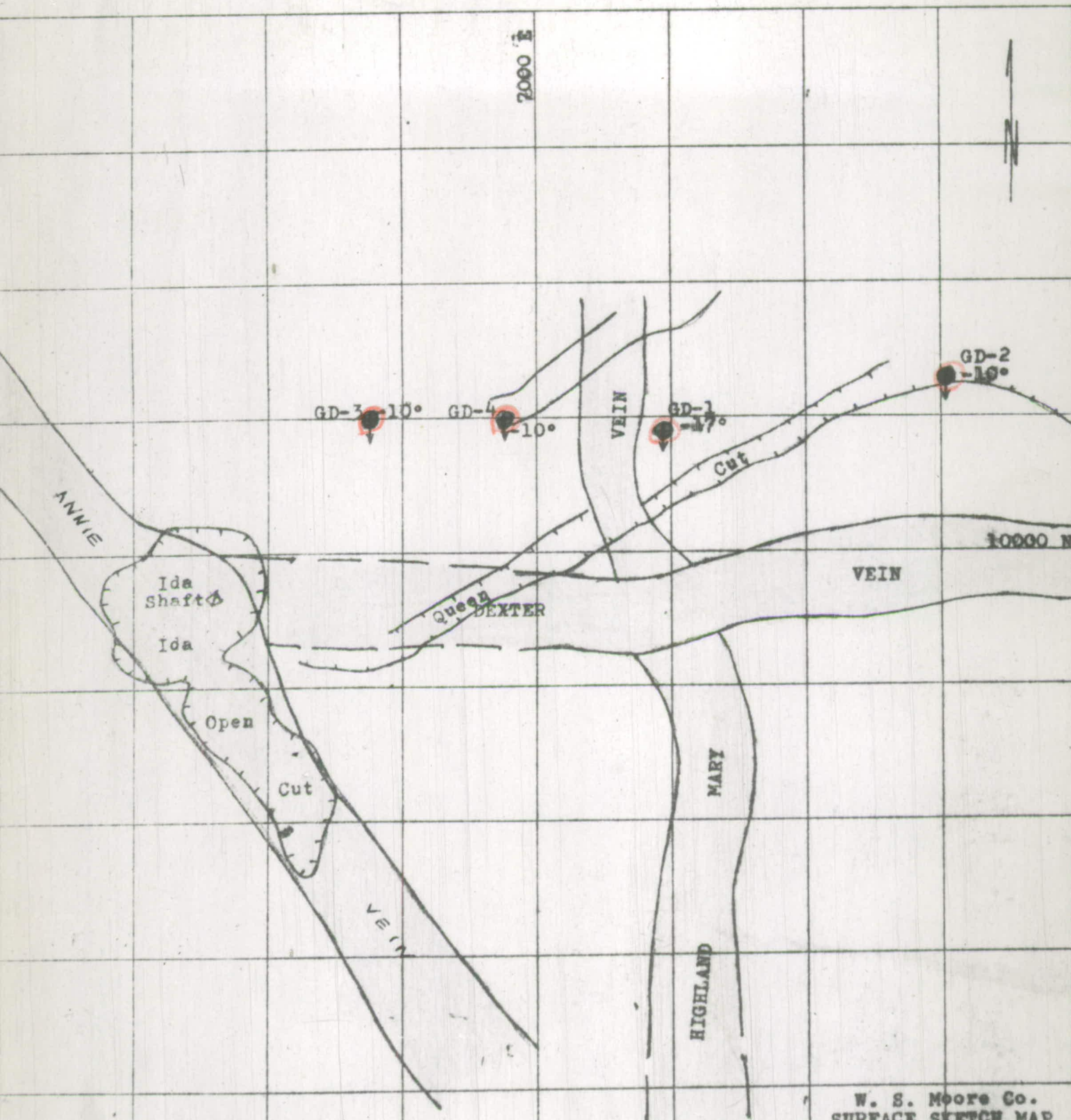


W.S. MOORE CO.

GEOLOGIC ASSAY LOG
HOLE GD-1

SECTION LOOKING WEST
Scale: 1" = 40' September 1964

CHARLES E. MELBYE
Geological Engineer



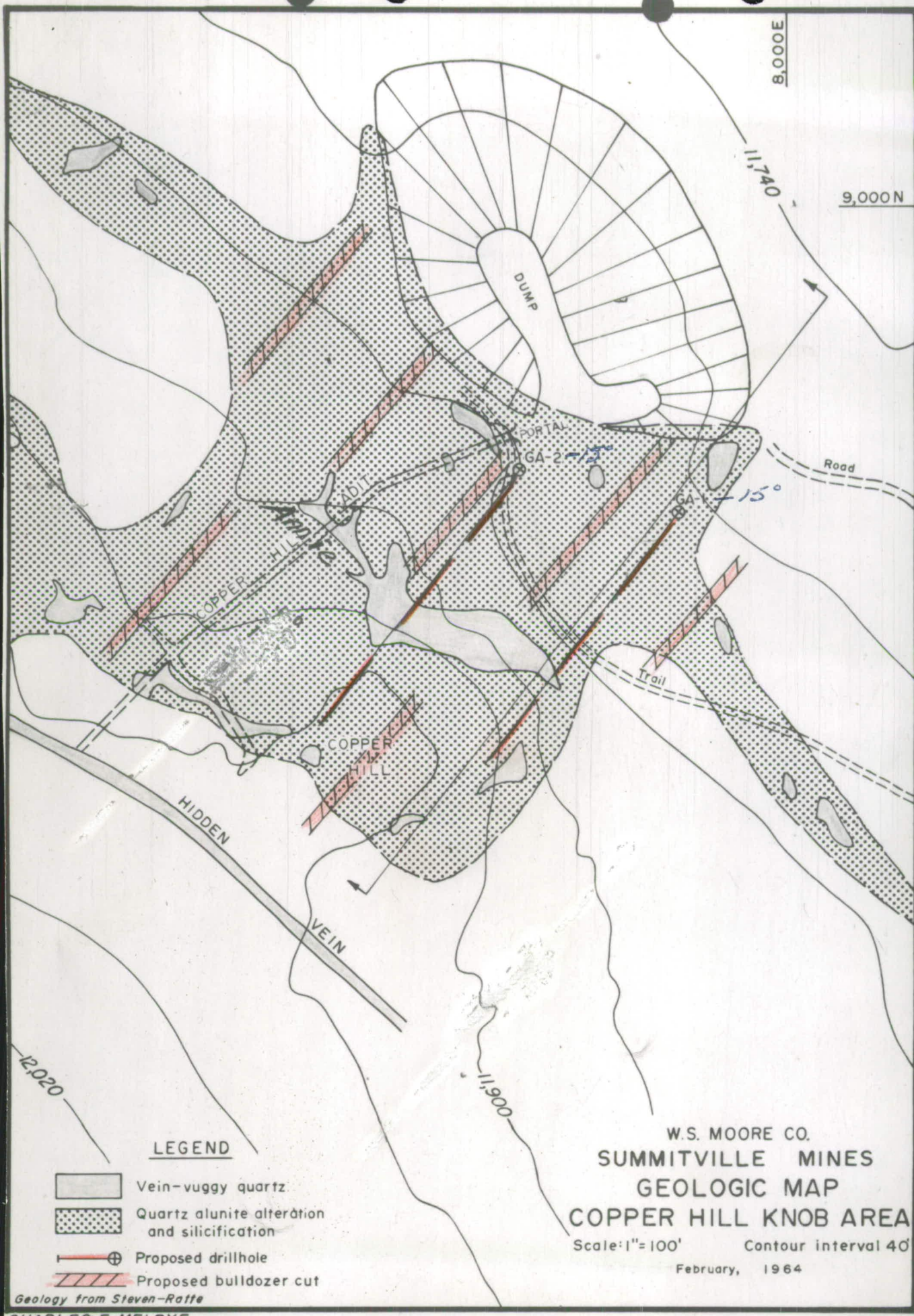
W. S. Moore Co.
SURFACE SKETCH MAP

DEXTER VEIN

Showing Proposed
Drilling

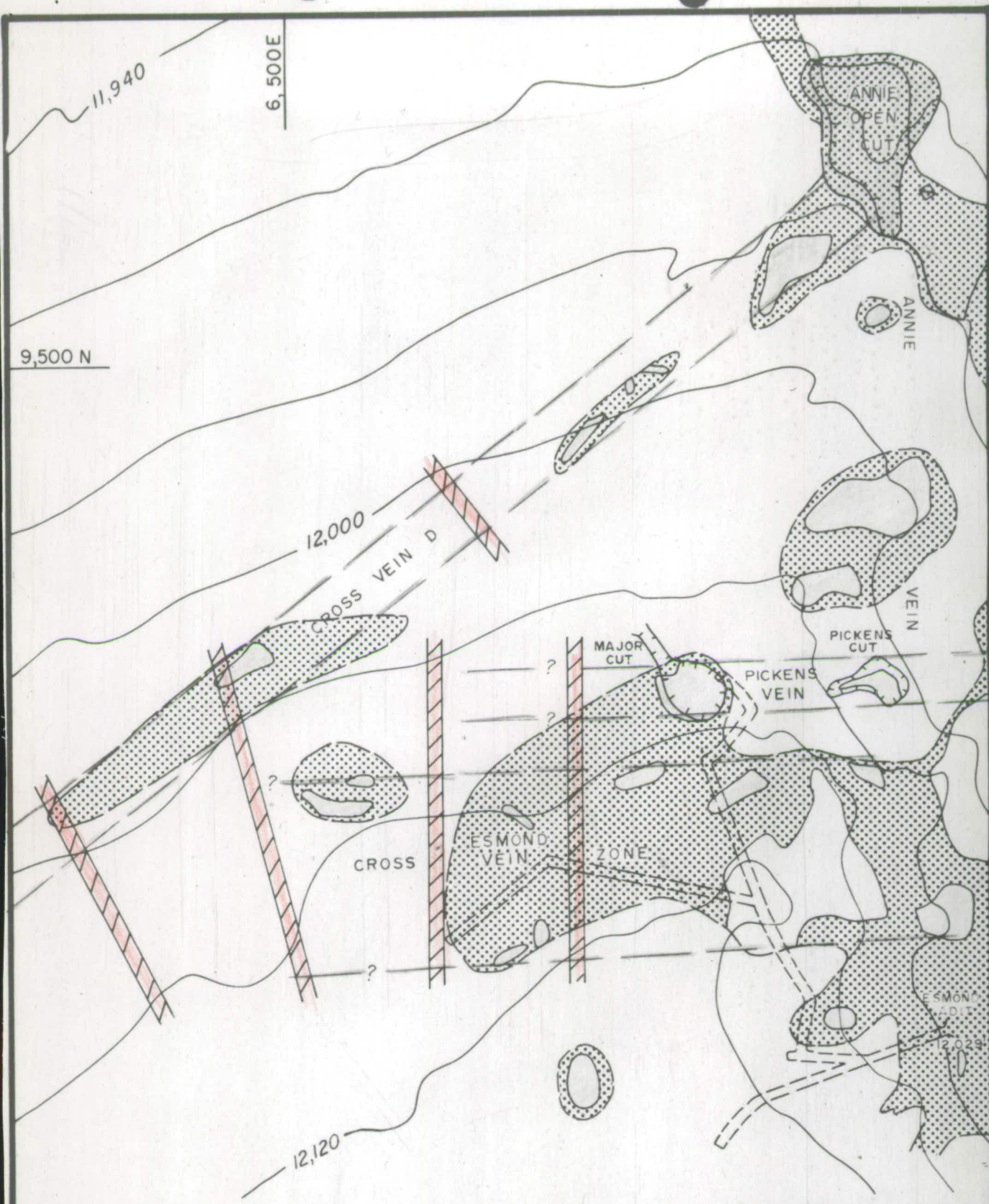
1"=100'

Plate 12



CHARLES E. MELBYE
Geological Engineer

Plate 6



LEGEND

Vein-vuggy quartz

Quartz alunite alteration and disseminated Au-Ag mineralization

Proposed bulldozer cut

W.S. MOORE CO.

SUMMITVILLE MINES

GEOLOGIC MAP

ESMOND-PICKENS

CROSS-VEIN AREA

Scale: 1" = 100' Contour interval 40'

March, 1964

Geology from Steven-Ratte

CHARLES E. MELBYE
Geological Engineer

Plate II

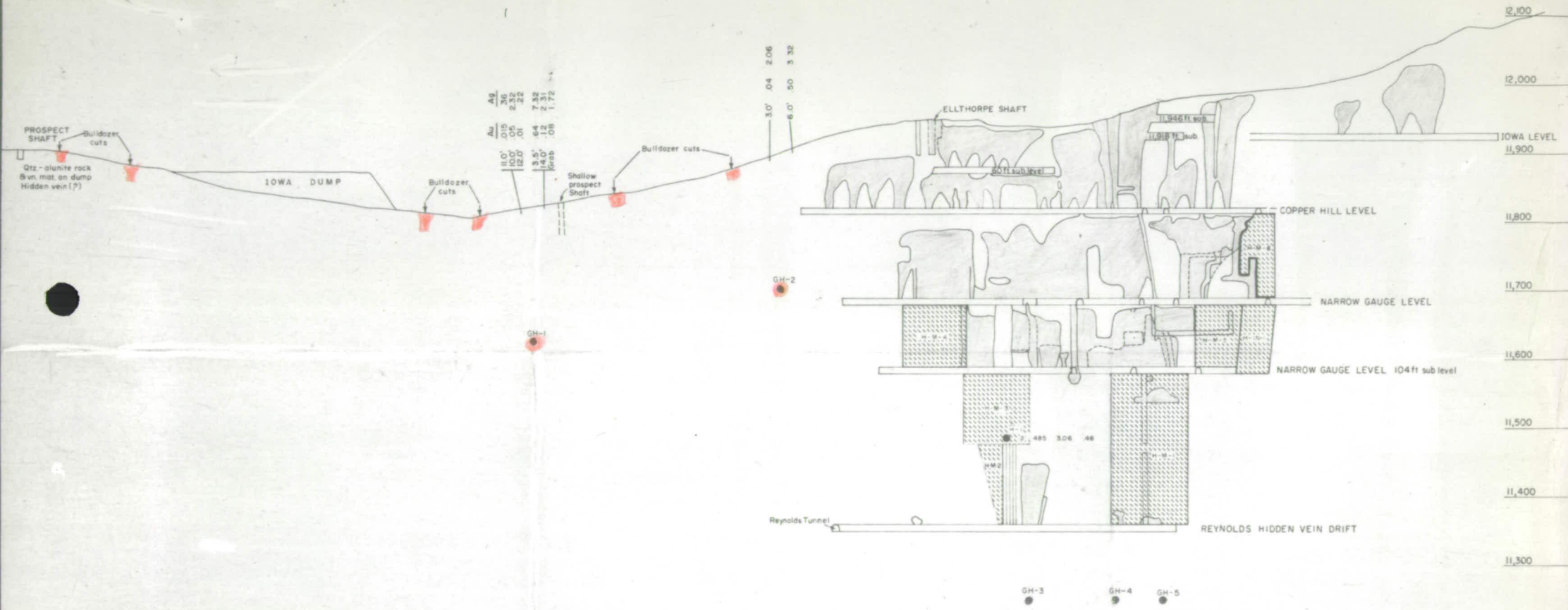


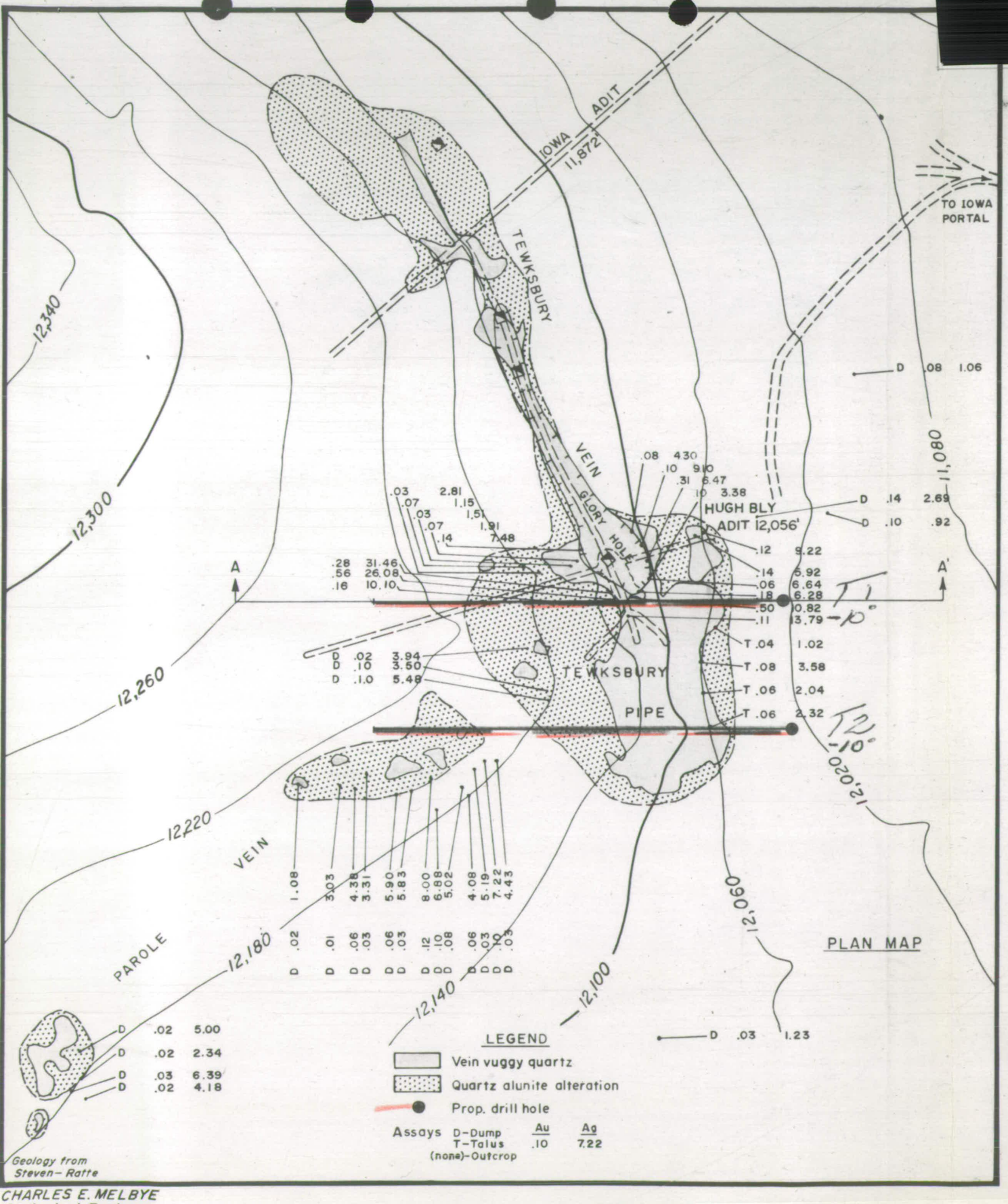
PLATE 2

CHARLES E. MELBYE
Geological Engineer

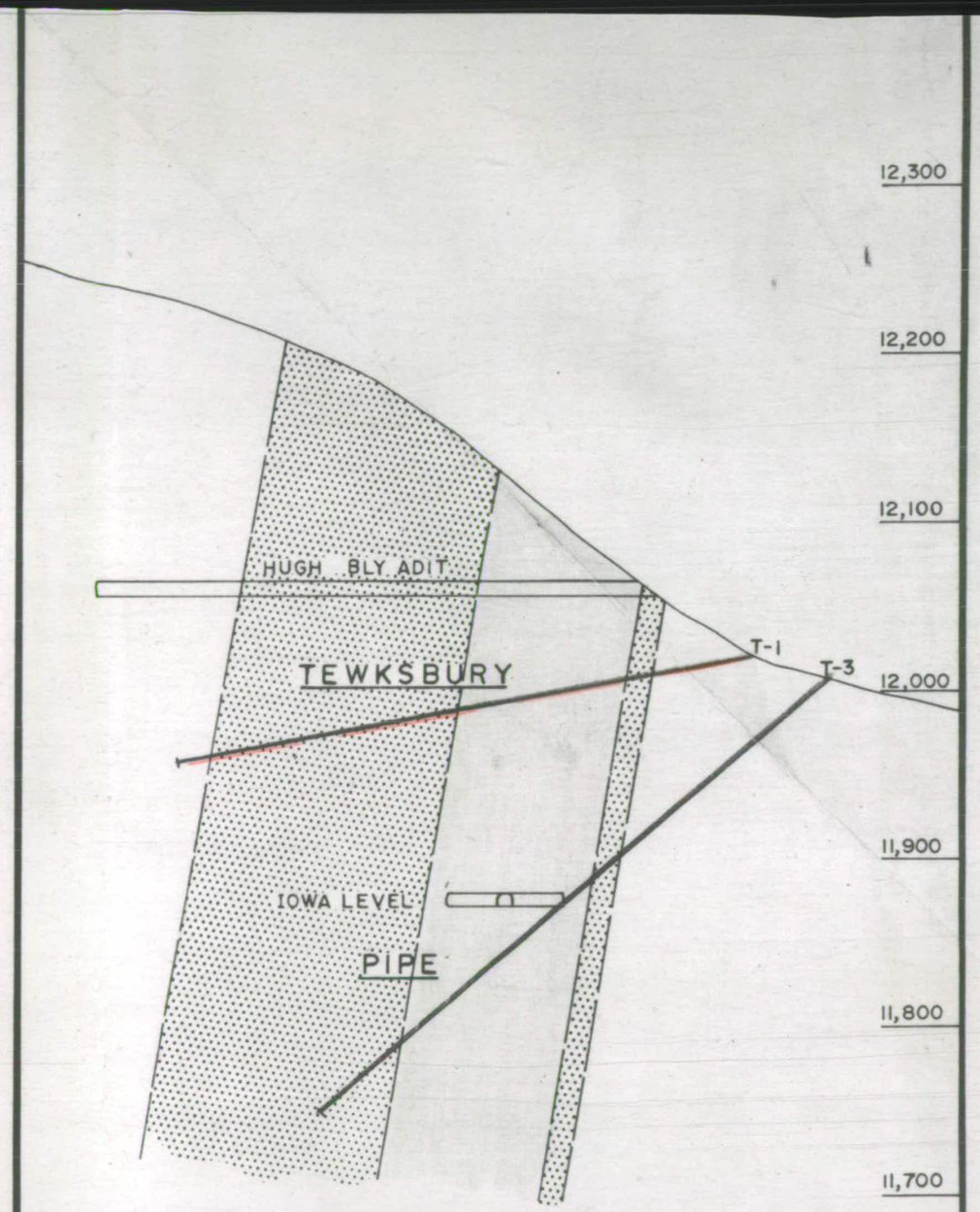
W.S. MOORE CO.
SUMMITVILLE MINES
HIDDEN VEIN
VERTICAL LONG SECTION
LOOKING S 30° W
Rio Grande County, Colorado
Scale: 1"=100' February 1964

Stoped areas
GH-3 Proposed drillhole (Intersection pt w/vein)
Completed drillhole

PLATE 2



PLAN MAP



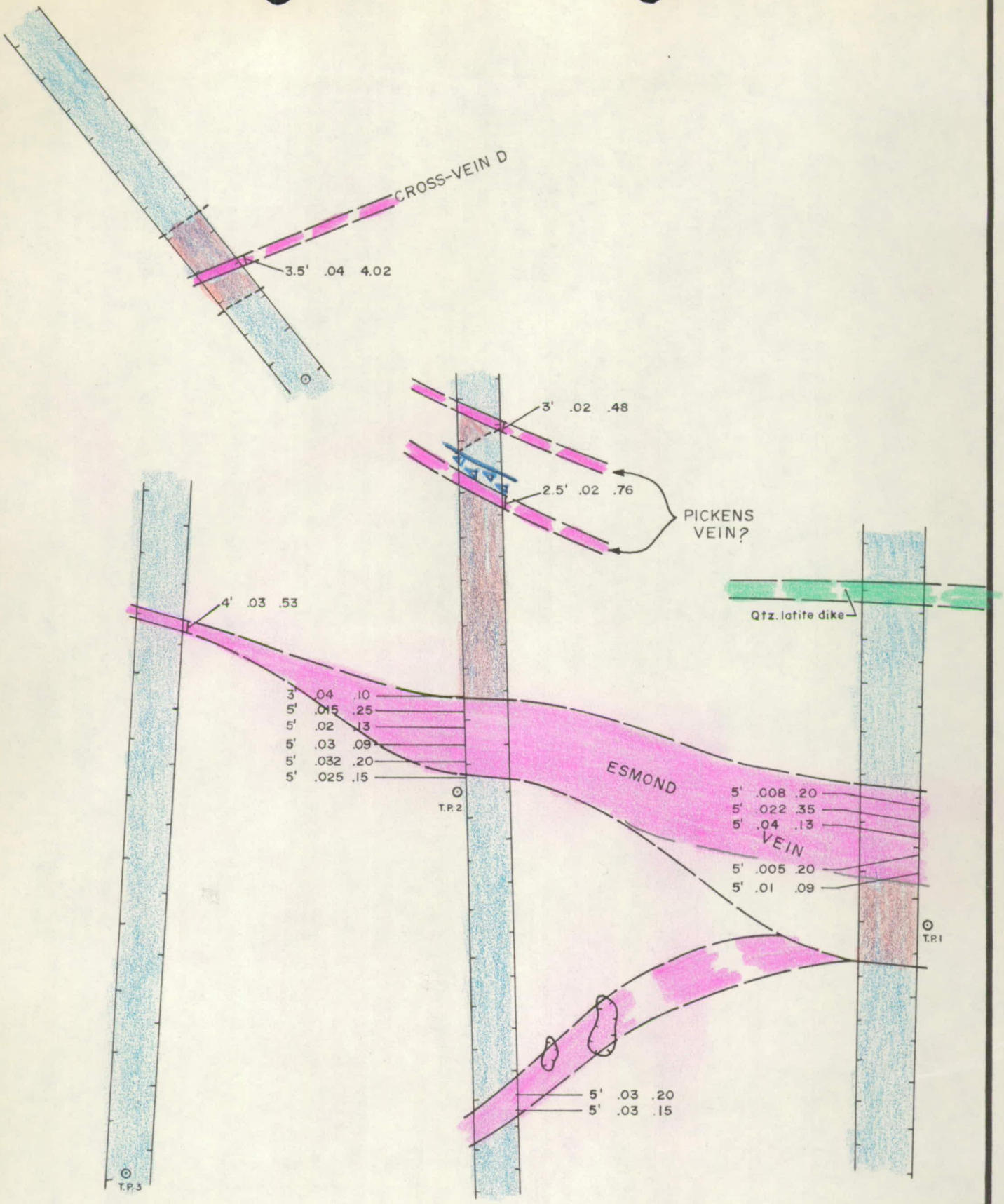
CROSS-SECTION A-A'

W.S. MOORE CO.
GEOLOGIC MAP
TEWKSBURY PIPE
SUMMITVILLE MINES
SHOWING PROPOSED
OME DRILLING

1"=100' February, 1964

CHARLES E. MELBYE
Geological Engineer

PLATE 4



W.S. MOORE CO.

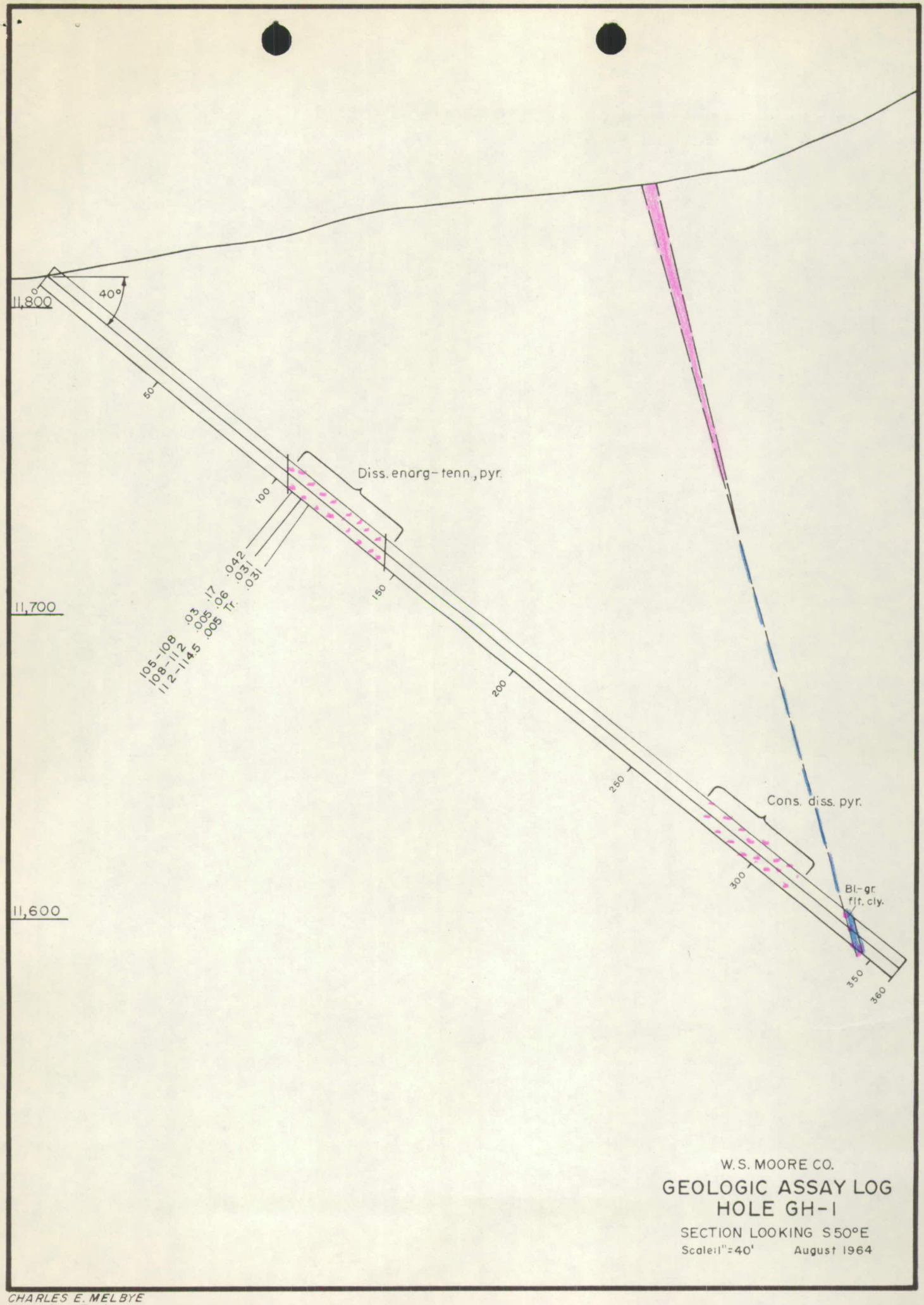
ESMOND-PICKENS DOZER CUTS

SUMMITVILLE MINES

Scale: 1"=40' August 1964

C.F. LIPP

CHARLES E. MELBYE
Geological Engineer



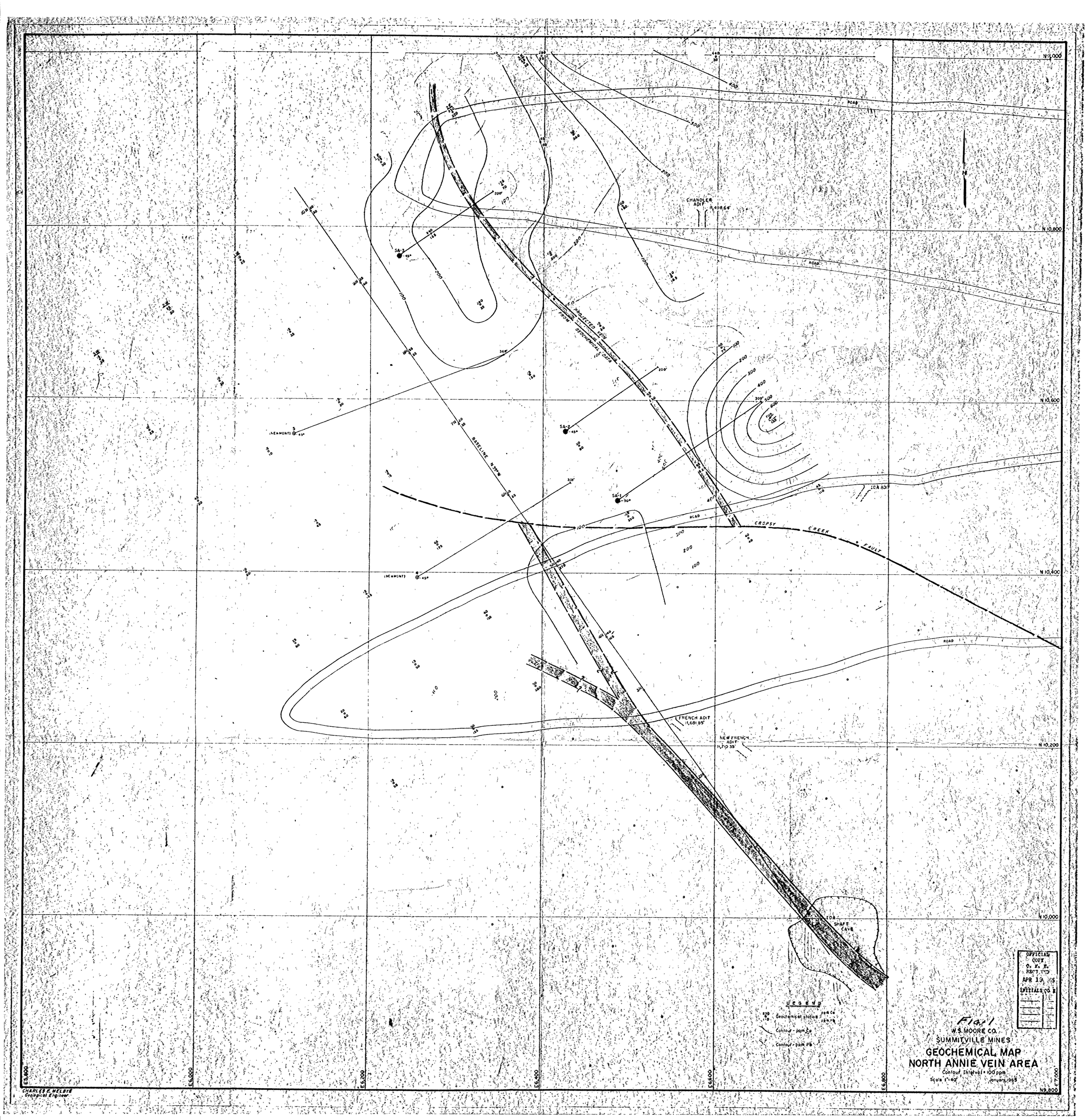
W. S. MOORE CO.

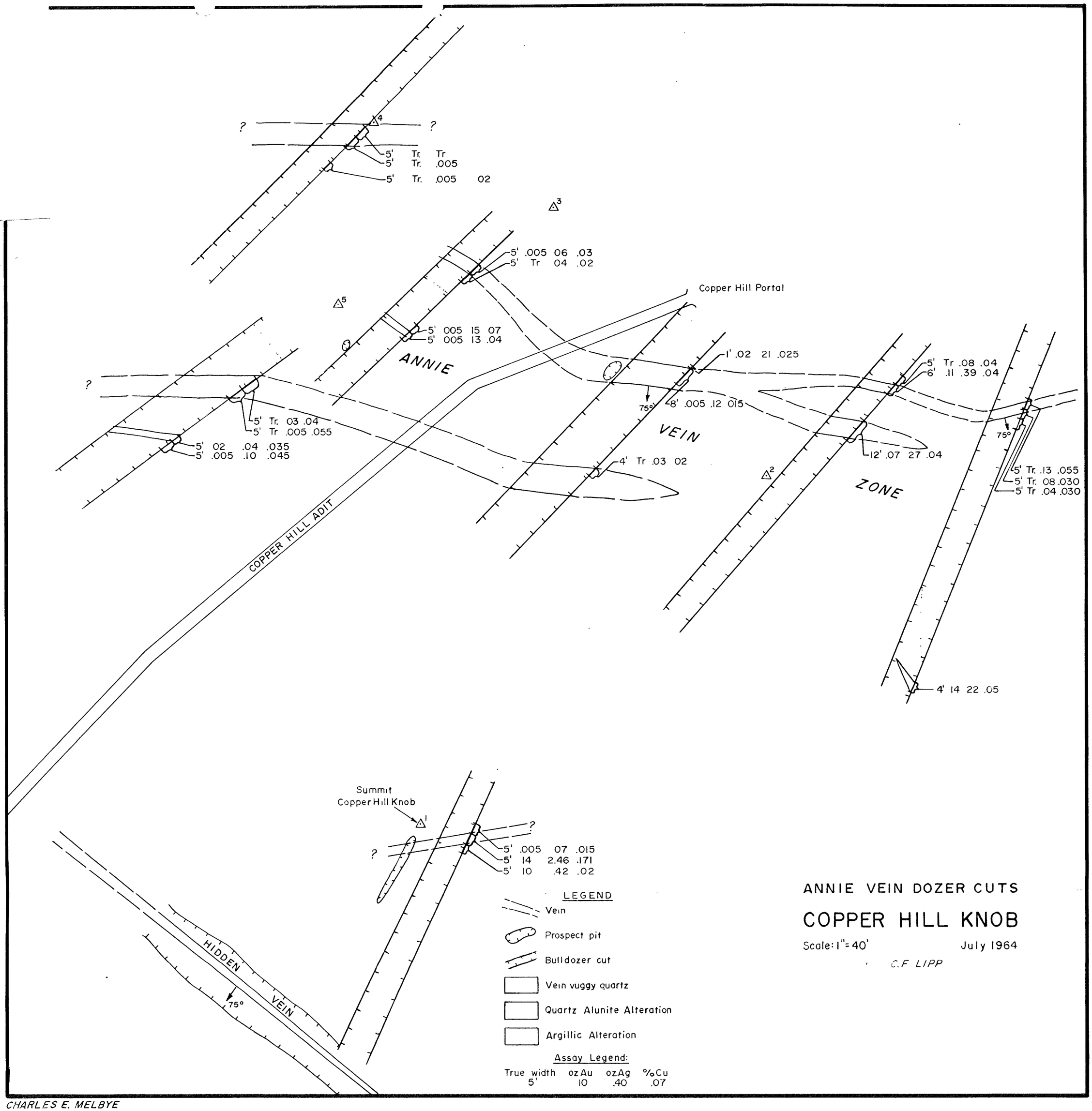
GEOLOGIC ASSAY LOG
HOLE GH-1

SECTION LOOKING S 50°E

Scale: 1" = 40' August 1964

CHARLES E. MELBYE
Geological Engineer


N 11,000
N 10,800
N 10,600
N 10,400
N 10,200
N 10,000
N 9,800
E 5,800
E 6,000
E 6,200
E 6,400
E 6,600
E 6,800
E 7,000
ROAD
CHANDLER ADIT
11,498.64'
PROJECTED VEIN
FROM GEOCHEMICAL DATA
BASELINE N 35°W
SA-3
SA-2
SA-1
(NEWMONT)
IDA ADIT
CROPSY CREEK FAULT
FRENCH ADIT
11,681.85'
NEW FRENCH ADIT
11,710.35'
IDA SHAFT CAVE
LEGEND
Geochemical station
Contour - ppm Cu
Contour - ppm Pb
OFFICIAL COPY
O. & E.
APR 19 65
INITIALS
Fig. 1
W.S. MOORE CO.
SUMMITVILLE MINES
GEOCHEMICAL MAP
NORTH ANNIE VEIN AREA
Contour Interval = 100 ppm
Scale 1" = 40'
January, 1963
CHARLES E. MELDYE
Geological Engineer



ANNIE VEIN DOZER CUTS

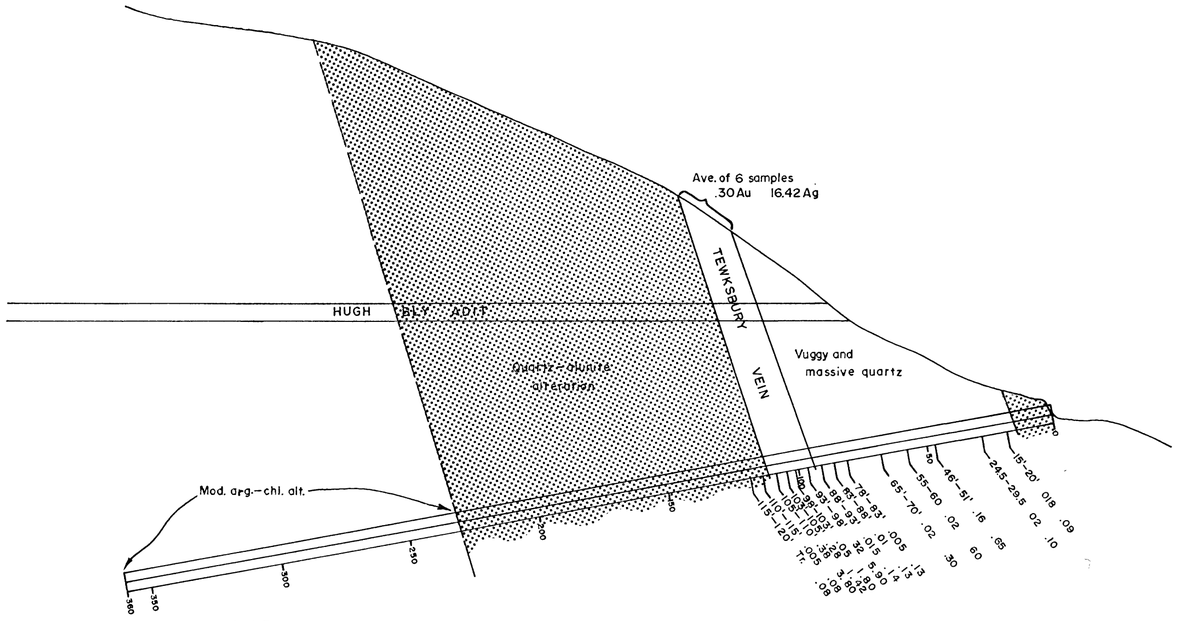
COPPER HILL KNOB

Scale: 1" = 40'

July 1964

C.F LIPP

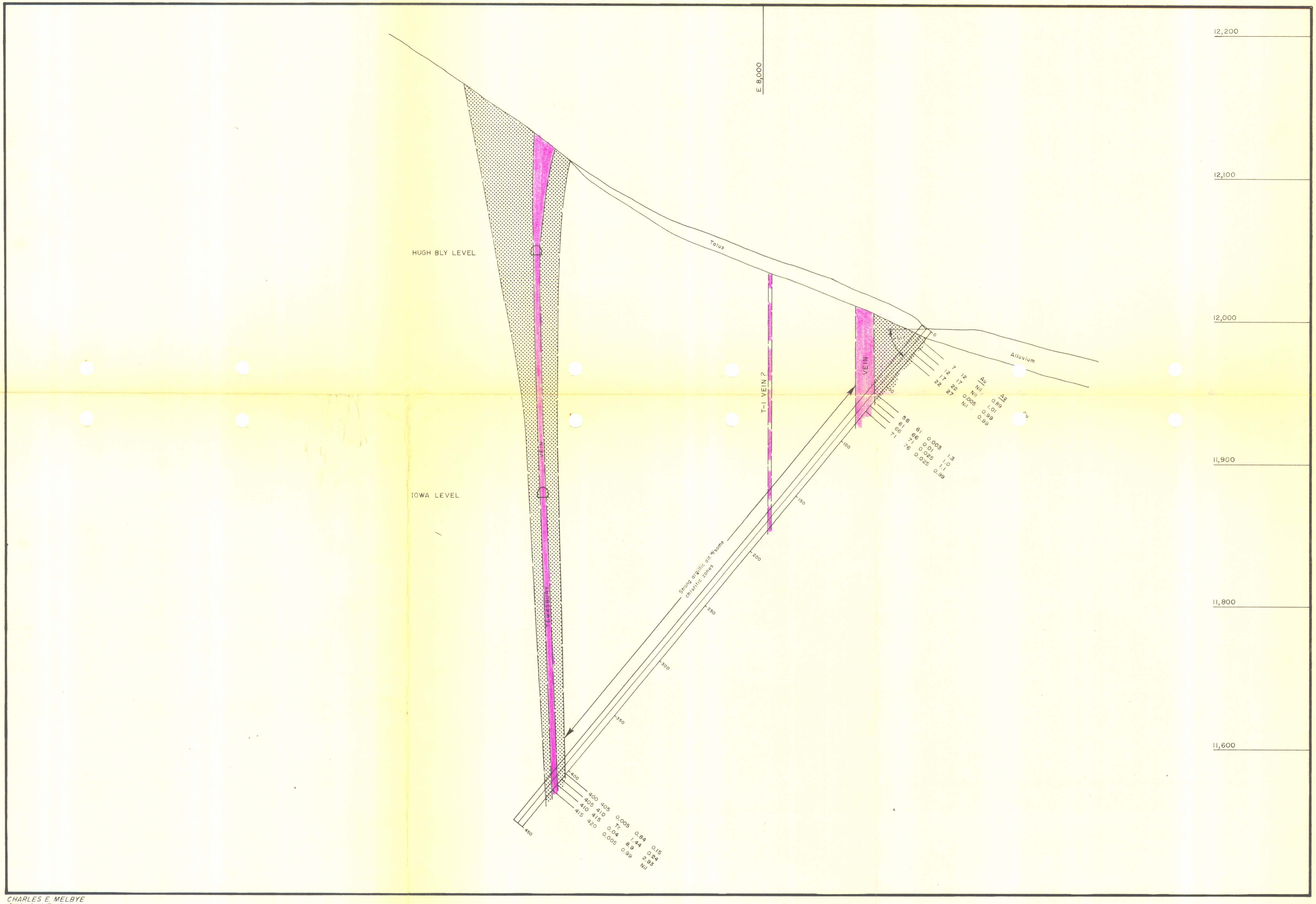
CHARLES E. MELBYE
Geological Engineer



W.S. MOORE CO.
SUMMITVILLE MINES

GEOLOGIC ASSAY LOG
HOLE T-1

SECTION LOOKING NORTH
Scale: 1"=40' August 1964



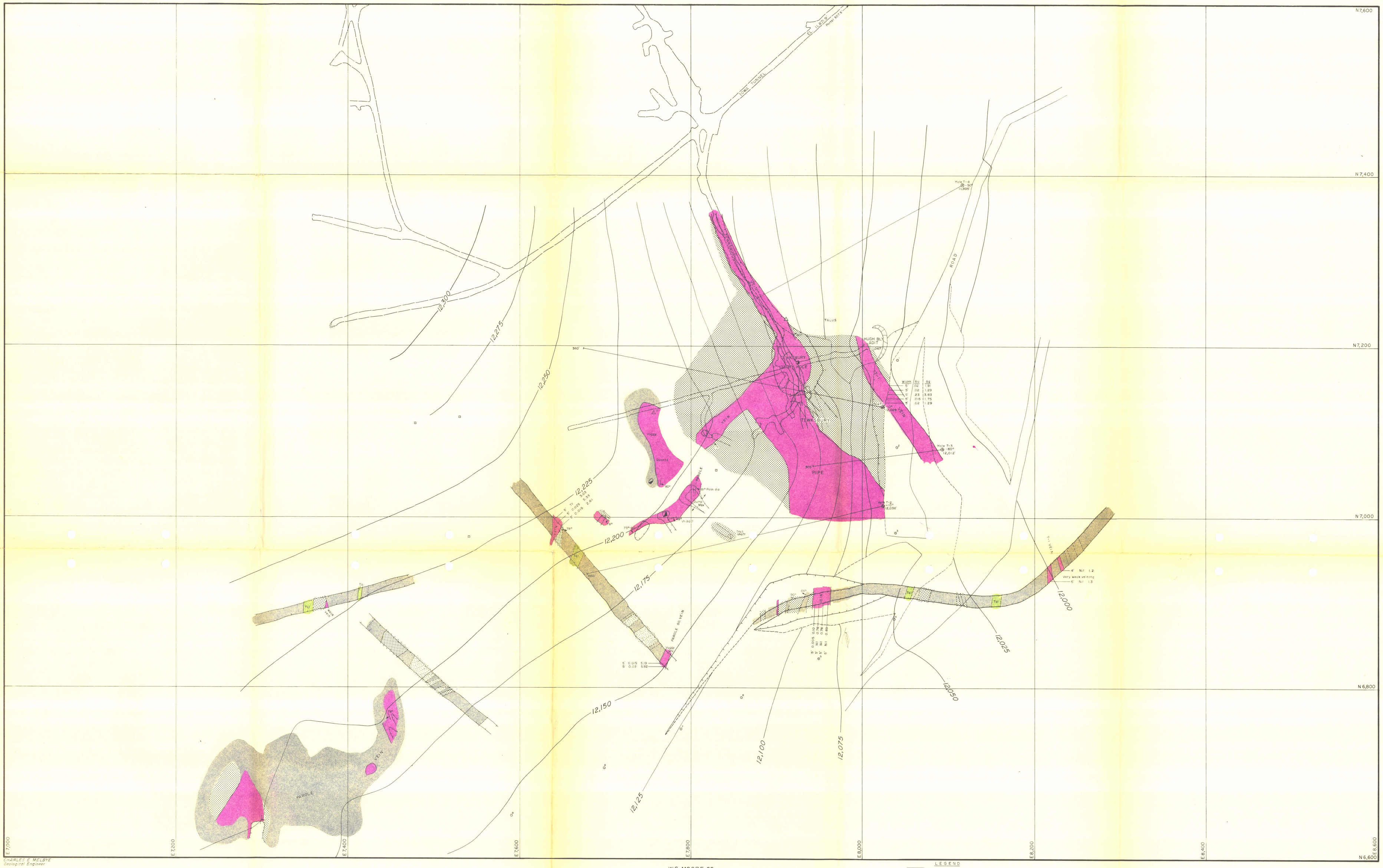
CHARLES E. MELBYE
Geological Engineer

W.S. MOORE CO.
SUMMITVILLE MINES

GEOLOGIC ASSAY LOG
HOLE T-4

N 60°E SECTION LOOKING NW

Scale: 1"=40' November 1964

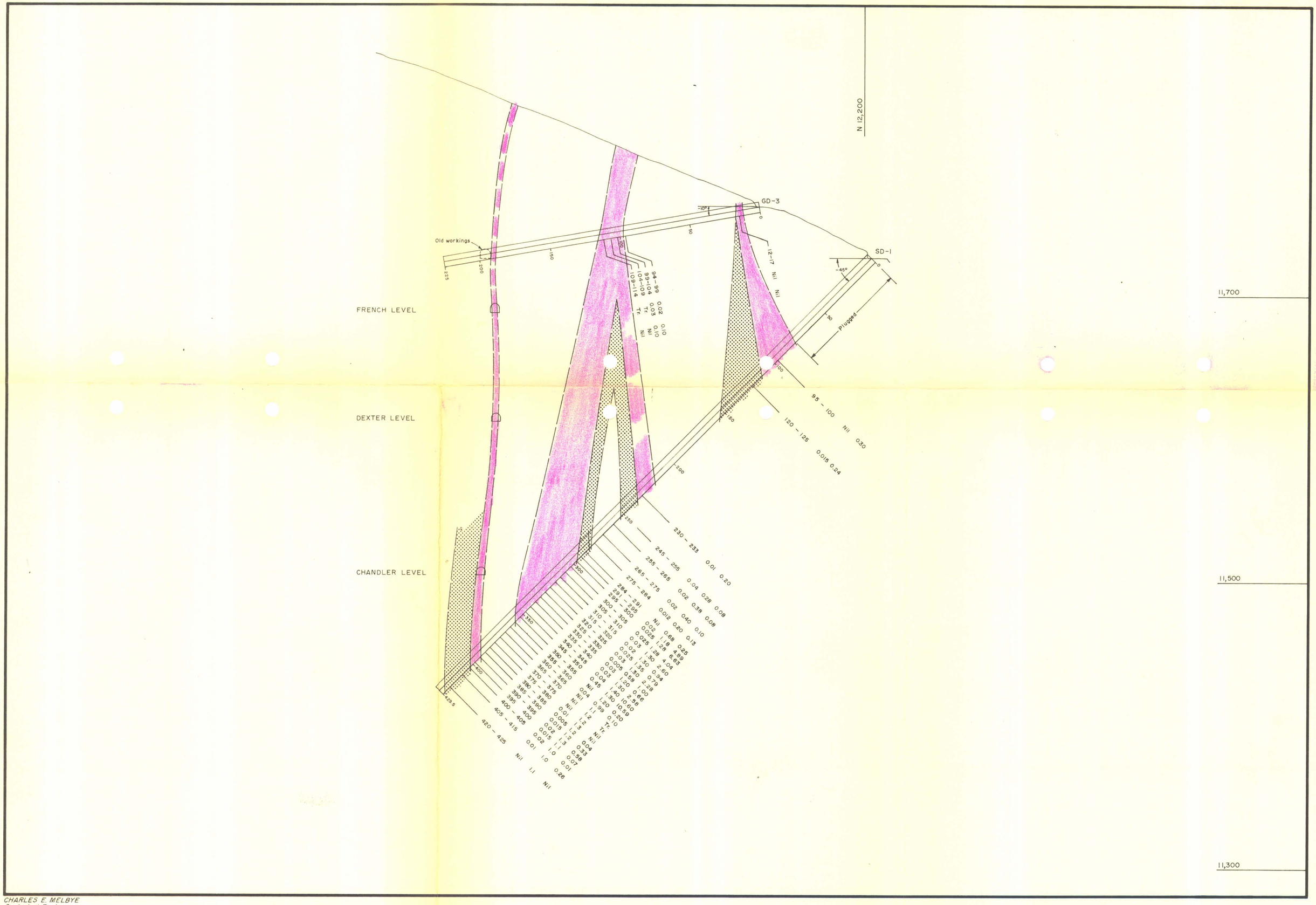


CHARLES E. MELBYE
Geological Engineer

W.S. MOORE CO.

GEOLOGIC MAP
SOUTH TEWKSBURY AREA
SUMMITVILLE MINES

Rio Grande County, Colorado
Scale 1"=40' September, 1964

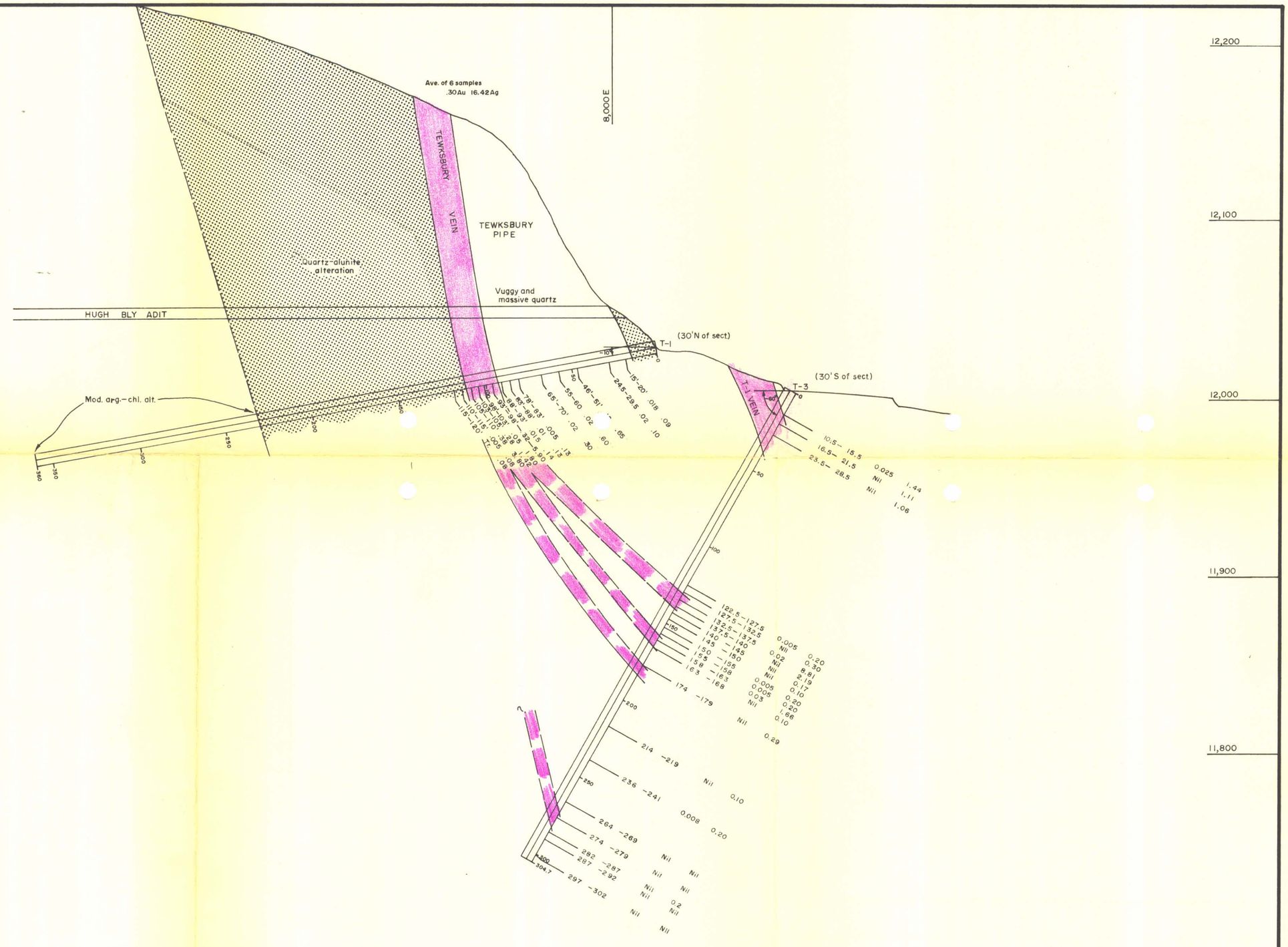


CHARLES E. MELBYE
Geological Engineer

W.S. MOORE CO.

GEOLOGIC ASSAY LOG
HOLES GD-3 & SD-1

SUMMITVILLE MINES
SECTION LOOKING WEST
ALONG COORD. 12,200N
Scale: 1" = 40' October 1964

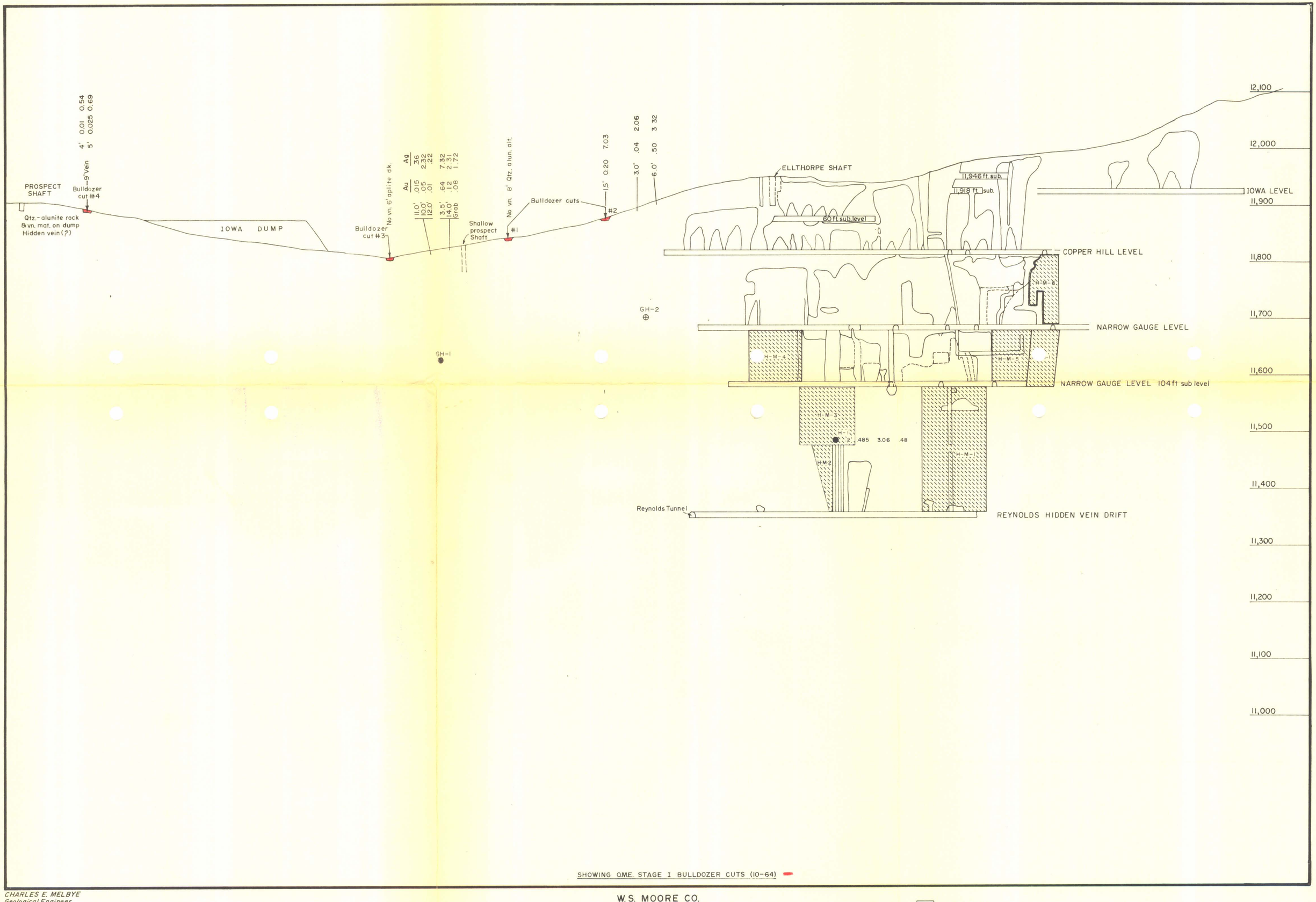


CHARLES E. MELBEY
Geological Engineer

W.S. MOORE CO.
SUMMITVILLE MINES

GEOLOGIC ASSAY LOG
HOLE T-1 & T-3

SECTION LOOKING NORTH
ALONG COORD. 7100N
Scale: 1" = 40' September, 1964



SHOWING O.ME. STAGE I BULLDOZER CUTS (10-64)

CHARLES E. MELBYE
Geological Engineer

W.S. MOORE CO.
SUMMITVILLE MINES
HIDDEN VEIN
VERTICAL LONG SECTION
LOOKING S 30° W
Rio Grande County, Colorado
Scale: 1" = 100' February 1964

Stoped areas
GH-3 ⊕ Proposed drillhole (Intersection pt. w/vein)
● Completed drillhole

extra
OFFICIAL FILE COPY
O. M. E
RECEIVED OCT 6 1964
DATE | INITIALS | CODE

CHARLES E. MELBYE
Geological Engineer

W.S. MOORE CO.

GEOLOGIC ASSAY LOG

HOLE T-2

SUMMITVILLE MINES

SECTION LOOKING SOUTH

Scale 1" = 40' August 1964