MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $ 276,230.00
Gov't. Participation % 50 $ 138,115.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of Final Accountg.

Operator's Name Nye Metals, Inc.
Address 527 Merchants Bank Building, Indianapolis, or Blackhawk, Colorado

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						
Drifting						
Crosscutting						
Drilling						
(2) ~~Professional~~:						
~~Outside Consultants~~ Casing and Cementing						
Labor	$3272.50		$3272.50			
(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						
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	$ 141.00		$ 141.00			
TOTALS	$3413.50		$3413.50			

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

Date Sept. 30, 1966 Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 1656.75

Signature
(Authorized Certifying Officer)

14X0804

Date NOV 8 1966 Vou. No. 3790

(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. 2149

Signature J. William Hasler Title Field Officer Date Oct. 6 1966

Approved by OME Executive Officer or Alternate:

Signature J. William Hasler Title Field Officer Date Oct. 6 1966

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 Final Accounting Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090-2149

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							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
~~Casing~~ Cementing	Tr	385		$3272.50	385		3,272.50
Roads and Trails							
Stripping							
Trenching							
~~Drilling~~ Core boxes	Ea	141		141.00	41		41.00
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work							
TOTAL TO DATE (per MME Form 60)				$3413.50			3,313.50

REMARKS

(Continue on back)

REMARKS

Unclaimed costs in reply to correspondence dated 9-21-66 from Chief, OME to subject operator

(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. 30, 1966 Operator Nye Metals, Inc.

Per Robert E Nye 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 J. William Haslor

Title Field Officer
Government Representative

Date Oct. 6 1966

(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.

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090 2149 Stage II
Contract Amount $276,230.00
Gov't. Participation %50 $138,115.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of JULY, 1964

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 1017, Merchants Bank Building, Indianapolis, Indiana

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	-0-	$ 1,200.00	$ 1,200.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	$2,311.55	41,931.40	44,242.95			
Timbering	-0-	13,364.00	13,364.00			
x-cut, drill st	-0-	4,500.00	4,500.00			
(2) Comp.Air	306.35	1,869.45	2,175.80			
Grec. Cement	-0-	2,550.00	2,550.00			
Outside Consultants						
Incid.Allow.	167.10	2,601.90	2,769.00			
(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	-0-	636.00	636.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	-0-	900.00	900.00			
TOTALS	$2,785.00	167,183.75	$169,968.75	2,785.00	167,183.75	169,968.75

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

Date Aug. 13, 1964 Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 1,392.50

Signature BHB
(Authorized Certifying Officer)

Date 8/19/64 Vou. No. 265-4

(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. 2149

Signature Hugh M. Fowlers Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Fowlers Title Acting Field Officer Date 8-14-64

OPERATOR'S MONTHLY REPORT

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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

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AUG 12 1964
OFFICE OF THE SECRETARY
FISCAL SECTION
RECEIVED

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.

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MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of JULY, 1964 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090-2149 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	Ft	0	2708	$92,072.00			
Crosscutting	Ft	0	163.5	5,559.00			
~~xxxx~~ Surf. Drlg.-NX	Ft	0	2512	11,555.20			
~~xxxx~~ Surf. Drlg.-DX	Ft	0	2670	10,680.00			
~~xxxx~~ Surf. Drlg. O.B.	Ft	0	92	524.40			
Other Underground Timber	Ft	0	1670.5	13,364.00			
Drilling, Core-Diamond NX 0- 500	Ft	557	1801	7,474.15			
NX 500- ~~xxxx~~ 750	Ft	0	120	528.00			
Drilling, ~~xx~~ Non-core-Diamond DX 0-500	Ft	0	1114	4,710.50			
DX 500-750 ~~xxx~~ Rotary	Ft	0	674	2,729.70			
DX 750+ ~~xxx~~ Churn	Ft	0	505	2,323.00			
AX ~~xxxxxx~~ Percussion	Ft	0	715	3,718.00			
Miscellaneous Casg.-Cem.	Hr	0	300	2,550.00			
X-cut, drill stas.	Ft	0	150	4,500.00			
Roads and Trails	Hr	0	80	1,200.00			
~~xxxx~~ Incid. Allow.	Ft	557	9230	2,769.00			
~~xxxxxx~~ Comp. Air	Ft	557	3956	2,175.80			
~~xxxxxx~~ Core boxes	Ea	0	900	900.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				636.00			
TOTAL TO DATE *(per MME Form 60)*				$169,968.75			$169,968.75

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 Aug. 13, 1964 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Lonsore

Title Acting Field Officer
Government Representative

Date 8-14-64

(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 - JULY, 1964

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under the above OME contract for the month of July is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Exploration work consisted entirely of underground drilling.

Hole II-13

This hole was completed NX size to a depth of 265 feet. No unusual trouble was encountered in the drilling other than mechanical breakdowns of the drilling machine. The depth of this hole was estimated at 200 feet, but the vein had not been encountered at that depth, making it necessary to continue to 265 feet. Two narrow veins were intersected between 225 and 240 feet, and the extra footage showed a decidied decrease in alteration, thereby indicating that the vein was encountered. Core recovery was 99.4%.

Hole II-4

Hole II-4 was completed to a depth of 292 feet, compared to an estimated depth of 400 feet. The target of this hole, the Dakota fault, was intersected at from 264'-281'. Neither the fault zone nor the 11 feet of the footwall were significantly mineralized, thereby making the additional 108 feet unneeded. Core size for the entire hole was NX, and core recovery was 98.8%.

GEOLOGY AND ASSAY RESULTS

Assays of the split core were run by Union Assay Office, Inc. in Salt Lake City and were paid for by Bear Creek Mining Company.

Hole II-13

Rock type in the entire hole was the uniform-grained quartz monzonite. A notable amount of quartz-molybdenite veinlets were encountered, the first from the collar to 79 feet and the second from 129'-240'. Accompanying this mineralization was only weak silicification but at least a moderate amount of secondary orthoclase veining. Chloritization was generally noticeable only along specific faults and narrow veins. Pyritization was stronger that the average for this portion of the Apex stock.

A small 2-inch quartz vein with weak molybdenite was encountered at 133 feet, but there was very little chloritization in the walls as is normal with these veins, and this is not believed to be the main vein being explored. Therefore, the hole was continued, and two much stronger veins were intersected at 225 and 238 feet. The width of the first was one foot and of the second 3 inches. A 2-foot zone of quartz veining was present in the walls, and chloritization was strong. Abundant pyrite was found but only weak molybdenite. Although the wide zones of quartz-molybdenite veining looked interesting, there was apparently very little disseminated molybdenite between, as the best assays ran only between .05 and .09% MoS_2(See accompanying log).

Hole II-4

The drilling target of the Dakota fault was intersected at from 264'-281'. The substantial molybdenum mineralization found in the fault above in the Indiana drift was not present at this depth, 240 feet below. Chloritization and fault gouge were very intense, and there were molybdenite veinlets and disseminations, but not in sufficient quantity to be of economic interest. A few minor quartz-molybdenite veinlets, 2"-6" in width, were cut in the upper part of the hole, as is normal in the mine area. Rock type was entirely the Apex quartz monzonite.

Hole II-15

This hole was completed in June, but a log was not submitted. A series of narrow quartz-pyrite-molybdenite stringers were cut throughout the hole, and the strongest was at 51 feet, which is believed to be the vein. It is a 6-inch vein of quartz, molybdenite, and pyrite with moderate amounts of chlorite. Mineralization was not considered sufficient enough to assay.

Hole II-14

Since Hole II-13 did not find a strong vein projecting

downward from the ore-grade vein found in Hole II-3, the ore in Hole II-3 must be only a limited lens-like ore shoot. Therefore, it appears unnecessary to drill the deeper Hole II-14. No other specified holes are authorized under the contract, and the program must await disposition of a recently-submitted request for 2 additional surface holes through a transfer of underground drilling footage to surface drilling. denied.

Respectfully submitted,

Charles E. Melbye

August 13, 1964

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: July 31, 1964
ORDER NUMBER: 2-267
INVOICE NUMBER:
CONTRACT: Nye-Apex - underground
TERMS: as per contract
LOCATION: Apex Mine

Nye Metals, Inc.
Blackhawk, Colorado
Attn: Mr. Charles E. Melbye

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# 13	NX 0	265	265'	$4.15	$1,099.75
	Core Boxes		27	1.00	27.00
# 4	NX 0	292	292'	4.15	1,211.80
	Core Boxes		29	1.00	29.00
				TOTAL	$2,367.55

Telephone EMpire 3-3302

Sample Serial 20736-20758

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan St.
Denver 23, Colorado

RESULTS PER TON OF 2000 POUNDS

July 28, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
										Mo	
P-705										0.002	
P-706										0.037	
P-707										0.003	
P-708										0.010	
P-709										0.005	
P-710										0.004	
P-711										0.006	
P-712										0.005	
P-713										0.013	
P-714										None	
P-715										0.002	
P-716										None	
P-717										0.002	
P-718										0.004	
P-719										0.054	
P-720										0.010	
P-721										0.002	
P-722										0.006	
P-723										0.006	
P-724										0.008	
P-725										0.042	
P-726										None	
P-727										None	
P-728										0.009	

Remarks Samples Submitted by Nye Metals, Inc.

Charges $ 120.00

W. C. Wanlass

...E FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

7/16 Fwdy

Docket No. 6231
Contract No. 14-23-090-2149 Stage II
Contract Amount $276,230.00
Gov't. Participation % 50 $138,115.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of June, 1964

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 1017, Merchants Bank Building, Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	-0-	1,200.00	1,200.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	1,672.20	40,259.20	41,931.40			
Timbering	-0-	13,364.00	13,364.00			
X-cut, drill st	900.00	3,600.00	4,500.00			
xxxxxxxxp. Air	55.00	1,814.45	1,869.45			
xxxxxxx-cement.	-0-	2,550.00	2,550.00			
(2) Personal Services: Supervision & Technical						
Outside Consultants						
xxxIncid.Allow.	122.40	2,479.50	2,601.90			
Labor						
(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	-0-	636.00	636.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	-0-	900.00	900.00			
TOTALS	$2,749.60	$164,434.15	$167,183.75	2,749.60	164,434.15	167,183.75

OME
DEPARTMENT OF THE INTERIOR
JUL 1 1964
REGION III
DENVER, COLORADO

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

Date July 1, 1964 * Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 1,374.80

Signature [illegible]
(Authorized Certifying Officer)

Date 7/14/64 Vou. No. 59-1

(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. 2149

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

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

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).

OFFICE OF THE SECRETARY
FISCAL SECTION
JUL 8 1964
RECEIVED

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, 1964 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149 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	Ft	0	2708	$ 92,072.00			
Crosscutting	Ft	0	163.5	5,559.00			
Surf.Dlg.-NX	Ft	42	2512	11,555.20			
Surf.Dlg.-DX	Ft	266	2670	10,680.00			
Surf.Dlg.-Ovb.	Ft	0	92	524.40			
Other Underground Timber	Ft	0	1670.5	13,364.00			
Drilling, Core-Diamond NX 0-500	Ft	100	1244	5,162.60			
NX 500- 750	Ft	0	120	528.00			
Drilling, Non-Core Diamond DX 0-500	Ft	0	1114	4,710.50			
DX 500-750	Ft	0	674	2,729.70			
DX 750+	Ft	0	505	2,323.00			
AX	Ft	0	715	3,718.00			
Miscellaneous Casg.-Cem.	Hr.	0	300	2,550.00			
X-cut, drill stas.	Ft	30	150	4,500.00			
Roads and Trails	Hr	0	80	1,200.00			
Inc.Allow.	Ft	408	8673	2,601.90			
Comp. Air	Ft	100	3399	1,869.45			
Core boxes	Ea	0	900	900.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				636.00			
TOTAL TO DATE (per MME Form 60)				$167,183.75			167,183.75

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 July 1, 1964 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Connors

Title Acting Field Officer
Government Representative

Date 7-7-64

(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 - June, 1964

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under the above OME contract for the month of June is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Exploration work consisted of drilling. After completion of the last authorized surface hole, II-S9, drilling was resumed again underground to complete the four additional holes allowed under the contract. The two new drill stations needed for three of these four holes were excavated.

Hole II-S9

NX drilling was continued to 634 feet, where difficult drilling necessitated switching to BX size, which was used for the balance of the hole. Total authorized depth was 900 feet, but the pre-Cambrian contact was not yet reached, so the hole was continued to 944 feet at the Operator's expense. Drilling progress was good throughout the hole. Core recovery averaged 92%. No cementing was required, and only the casing time to switch from NX to BX was required.

Hole II-15

This hole was drilled NX to the specified depth of 100 feet. Location was from the previous large drill station in the main adit. Bearing was N50°E and angle +3°.

GEOLOGY AND ASSAY RESULTS

Assays of the split core are being run by Union Assay Office, Inc., Salt Lake City, Utah and are being paid for by Bear Creek Mining Company.

Hole II-S9

A complete geologic-assay log is included with this report.

The hole has penetrated the interesting gneiss-quartz monzonite contact. Two dacite porphyry dikes were found, one from 195' - 445', and the other at the contact, 135' wide. Each of these were emplaced along major faults, the first along the S-4 fault, the same NW fault mineralized in Hole S-4, and the second along the Paton fault, a NE fault, which projects toward the Mt. Chief area. The Paton fault can be seen only in the bulldozer cut and can be projected horizontally from this cut only with the aid of magnetics. It consists not of a definite fault plane but rather a wide 45-foot zone of breccia consisting of cemented fragments of gneiss and dacite porphyry. There are also a number of 1' - 5' aplite dikes as well as narrow dacite porphyry dikes throughout the hole.

Hydrothermal alteration is the strongest encountered thus far in the drilling, and for the first time, consists of intense sericitization as well as strong orthoclase and quartz veining, chloritization, and argillization. Silicification is weaker. Much of the rock in the deeper zone near the contact is almost totally sericite. All of the altered rock is vuggy and intensely brecciated. Accompanying this intense sericite alteration is also the best molybdenum mineralization, encountered to date. These various zones are averaged as follows:

Depth	Width	% MoS_2	Oz Au
210'-235'	25'	.104	
270'-290'	20'	.122	
750'-820'	70'	.208	.01
Within Interval	750'-820'		
765'-770'	5'	1.200	
755'-780'	25'	.444	

The best is, of course, the 70-foot interval 750'-820', averaging .208% MoS_2, with 5' and 25' intervals averaging 1.2% and .444%, respectively. The narrower zones are ore-grade, and the wider 70' zone is approaching economic grade.

The conclusion from this hole is that both molybdenum mineralization and hydrothermal alteration have increased with depth. These results certainly dictate that additional exploration must be done in this area.

Hole II-15

Since this hole was just completed, assays are not back, and a complete log will be turned in next month. A series of narrow quartz stringers with pyrite and molybdenite have been cut through-

out the hole. Two zones at 27'-29' and at 51' could either be the vein, but it is not clear which is correct. Regardless, the vein at this level is not near as strong as that 80' below in Hole II-3. Chloritic alteration is weak with these stringers.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

July 1, 1964

Telephone 363-3302

[illegible]d Sample Serial 15622-15625

ASSAY REPORT

[illegible]ION ASSAY OFFICE, [illegible]

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan Street
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 3, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per C[illegible]
Comp. #1(P-651 to P-653)	Trace			0.006							
Comp. #2(P-654 to P-659)	0.005			None							
Comp. #3(P-660 to P-665)	0.005			0.006							
Comp. #4(P-666 to P-672)	0.005			None							

Remarks

Charges $ 16.00

W. C. Wanlass

Telephone 363-3302

Sample Serial 16323-16326

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan St.
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 16, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
										Mo	
P-673										0.001	
P-674										0.006	
P-677										0.002	
P-679										0.012	

Remarks Samples submitted by Nye Metals

Charges $ 20.00

W. C. Wanlass

Telephone 363-3302

H[illegible] Sample Serial 16268-16270

ASSAY REPORT

U[illegible]ON ASSAY OFFICE, Inc.

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. lipan St.
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 15, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
										Mo	
#P-675										0.018	
P-676										0.008	
P-678										0.008	

Remarks Samples Submitted By Nye Metals

Charges $ 15.00

W. C. Wanlass

Telephone 363-3302

Field Sample Serial 16404

ASSAY REPORT

UNION ASSAY OFFICE, Inc

W. C. WANLASS, President
L. G. HALL, Vice President
G. P. WILLIAMS, Treasurer
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan Street
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 16, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent
Comp. P-673 to P-679	0.005			None						

Remarks Samples Submitted by Nye Metals

Charges $ 4.00

W. C. Wanlass

Telephone EMpire 3-3302

and
Sample Serial 15400-15421

ASSAY REPORT
UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan Street
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 3, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent	Per Cent
										Mo	
P-651										0.005	
P-652										0.004	
P-653										0.002	
P-654										0.001	
P-655										0.004	
P-656										None	
P-657										0.004	
P-658										0.004	
P-659										0.002	
P-660										0.102	
P-661										0.054	
P-662										0.058	
P-663										0.018	
P-664										0.070	
P-665										0.005	
P-666										0.009	
P-667										0.080	
P-668										0.116	
P-669										0.032	
P-670										0.065	
P-671										0.004	
P-672										0.001	

Remarks

W. C. Wanlass

Telephone EMpire 3-3302

Hand Sample Serial 17257-17282

ASSAY REPORT

UNION ASSAY OFFICE, Inc.

J. V. SADLER, President
W. C. WANLASS, Vice-Pres. & Treas.
LILY M. HOTTINGER, Secretary
P. O. Box 1528
Salt Lake City 10, Utah

Mine Bear Creek Mining Co.
1498 S. Lipan St.
Denver, Colorado

RESULTS PER TON OF 2000 POUNDS

June 24, 1964

NUMBER	GOLD Ozs. per Ton	SILVER Ozs. per Ton	LEAD Wet on Ore	COPPER Per Cent	INSOL. Per Cent	ZINC Per Cent	SULPHUR Per Cent	IRON Per Cent	LIME Per Cent	Per Cent Mo	Per Cent
P-680										0.058	
P-681										0.069	
P-682										0.033	
P-683										0.721	
P-684										0.373	
P-685										0.137	
P-686										0.022	
P-687										0.029	
P-688										0.014	
P-689										0.149	
P-690										0.025	
P-691										0.017	
P-692										0.037	
P-693										0.061	
P-694										0.005	
P-695										0.004	
P-696										0.004	
P-697										0.150	
P-698										0.012	
P-699										0.040	
P-700										0.014	
P-701										0.016	
P-702										0.012	
P-703										0.005	
P-704										0.006	
Comp. P-680 to P-704	0.010			0.018							

Remarks

Charges $ 129.00

W. C. Wanlass

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: June 30, 1964
ORDER NUMBER: 2-263
INVOICE NUMBER:
CONTRACT: Nye Apex - Surface
TERMS: as per contract
LOCATION: Apex Mine

Nye Metals, Inc.
Blackhawk, Colorado
Attn: Charles E. Melbye

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-9	NX 592	634	42'	$ 4.60	$ 193.20
	BX 634	750	116'	4.20	487.20
	BX 750	944	194'	4.60	892.40
	Casing time		25 hrs.	8.50	212.50
	Cardboard Core Boxes		40 boxes	1.00	40.00
S-10	Overburden 0	20	20'	5.70	114.00
	NX 20	293	273'	4.60	1,255.80
	Casing time		2 hrs.	8.50	17.00
	Cardboard Core Boxes		33 boxes	1.00	33.00
				TOTAL	$3,245.10

Corporation's expense

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 HUnter 7-7595
SALT LAKE CITY 10, UTAH

BRANCH OFFI
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CAL
ST. LOUIS

INVOICE DATE: June 30, 1964
ORDER NUMBER: 2-267
INVOICE NUMBER:
CONTRACT: Nye Apex-Underground
TERMS: as per contract
LOCATION: Apex Mine

Nye Metals, Inc.
Blackhawk, Colorado
Attn: Charles E. Melbye

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTA
UG 15	NX 0	100	100'	$ 4.15	$ 415.
II-15	Cardboard core boxes		10 boxes	1.00	10.
				TOTAL	$ 425.

6/23 F. Murphy

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. ~~6231~~
Contract No.
14-23-090- ~~2149 Stage II~~
Contract Amount $ ~~276,230.00~~
Gov't. Participation % ~~50~~ $ ~~138,115.00~~
Mineral(s) ~~Potassium~~

OPERATOR'S MONTHLY VOUCHER

For Month of ~~May, 1964~~

Operator's Name ~~Sea Petals, Inc.~~
Address ~~Jackson, Colo. or Box 1512, Carlsbad Bank Building, Indianapolis, Indiana~~

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	~~-0-~~	~~1,200.00~~	~~1,200.00~~			
Drifting	~~-0-~~	~~32,072.00~~	~~32,072.00~~			
Crosscutting	~~-0-~~	~~5,559.00~~	~~5,559.00~~			
Drilling	~~$2,740.60~~	~~37,618.40~~	~~40,359.20~~			
~~Timbering~~	~~-0-~~	~~13,364.00~~	~~13,364.00~~			
~~Cement, Drill Gas.~~	~~-0-~~	~~3,600.00~~	~~3,600.00~~			
(2) ~~Rent, Supp. Air~~	~~-0-~~	~~1,814.45~~	~~1,814.45~~			
~~Supervisory & Technical~~	~~-0-~~	~~2,550.00~~	~~2,550.00~~			
~~Cartg.-Cement~~ Outside Consultants						
~~Misc. Allow.~~	~~177.60~~	~~2,301.90~~	~~2,479.50~~			
(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	~~-0-~~	~~636.00~~	~~636.00~~			
Payroll Taxes						
Employee's Liability Ins.						
~~Corp. Taxes~~	~~24.00~~	~~876.00~~	~~900.00~~			
TOTALS	~~$2,942.60~~	~~121,491.75~~	~~124,434.15~~	2,942.40	161,491.75	164,434.15

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

Date ~~May 6, 1964~~ *Payee ~~Sea Petals, Inc.~~

Per Robert E. Nye 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:

$ 1,471.20

Signature BLB
(Authorized Certifying Officer)

Date 6/22/64 Vou. No. 16953

(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. 2149

Signature Hugh M. Emmons Title Acting Field Officer Date 6-15-64

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Emmons Title Acting Field Officer Date 6-15-64

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 6'1
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of May, 1964 Docket No. 6231

Operator's Name Rye Metals, Inc. Contract No. 14-23-090-2140 Stage 22

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	Ft	0	2708	$02,072.00			
Crosscutting	Ft	0	163.5	5,569.00			
Surf. Dig.	Ft	576	2470	11,302.00			
Surf. Dig.	Ft	0	2404	9,616.00			
Surf. Dig. Ovd.	Ft	16	32	224.40			
Other Underground Raiser	Ft	0	1670.5	15,364.00			
Drilling, Core-Diamond 0-500	Ft	0	1144	4,242.00			
500- Rotary 750	Ft	0	120	528.00			
Drilling, Non-core-Diamond 0-500	Ft	0	1114	4,210.60			
500-750 Rotary	Ft	0	674	2,723.20			
750+ Rotary	Ft	0	505	2,323.00			
AX Rotary	Ft	0	715	3,718.00			
Miscellaneous Eng.-Geo.	Hr	0	300	2,550.00			
Z-cut, Drill Stas.	Ft	0	120	3,600.00			
Roads and Trails	Hr	0	80	1,200.00			
Shipping Allow.	Ft	502	5265	2,479.60			
Shipping Comp. Air	Ft	0	3299	1,914.42			
Shipping Ore Boxes	Ea	24	900	900.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				035.00			
TOTAL TO DATE *(per MME Form 60)*				$164,434.15			$164,434.15

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 May 8, 1964 Operator Rye Metals, Inc.

Per Robert E. Rye 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. Tongson

Title Acting Field Officer
Government Representative

Date 6-15-64

(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 - MAY, 1964

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

The Nye Metals exploration program resumed on May 11th, after the winter recess of 4½ months. This was in accordance with the authorized recess which called for resumption of work by May 15th. Exploration completed during May is summarized in this report.

DESCRIPTION OF COMPLETED WORK

All exploration during May consisted of drilling. The drill site for Hole II-89 was excavated with the company bulldozer, but since the maximum allowable hours have been used up, this item is not included in the voucher.

Hole II-89

After completion of 16 feet of overburden drilling to collar the hole, drilling was carried NX size to the present depth of 592 feet and is continuing at that size. Drilling progress is very good, with some shifts getting as high as 60-68 feet. No cementing or casing time has been required. Core recovery has averaged 91.4% thus far. Bearing of the hole is S40°W at -45°.

GEOLOGY AND ASSAY RESULTS

Assays of the split core are being run by Union Assay Office, Inc., Salt Lake City, Utah and are being paid for by Bear Creek Mining Company.

Hole II-89

Inasmuch as the program has only been in progress for 2 weeks, there has been insufficient time to get assay results back. Therefore, a geologic-assay log will be submitted with the June

voucher or whenever the hole is finished during June, whichever is more desirable.

However, a brief description can be made of the geology encountered thus far. The hole was in quartz monzonite up to a major fault zone from 176-194 feet, beyond which are highly sheared and altered dacite porphyry dikes and more quartz monzonite. At 269 feet, a wide dacite porphyry dike was intersected, which continued to 427 feet, a width of 158 feet. The quartz monzonite in this hole is more porphyritic and, when altered, is often very difficult to distinguish from the dacite porphyry complex, which in this hole has a coarser-grained groundmass. At 592 feet, the hole is continuing in quartz monzonite with occasional dacite porphyry dikes.

Significant molybdenum mineralization has been noted from 205-240 feet and from 285-300 feet, with molybdenite readily visible from 210-225 feet and from 270-295 feet.

Alteration is very strong, with abundant sericite noted for the first time in any quantity in the Mountain Chief drilling, as well as strong chloritization and moderate quartz veining and secondary orthoclase. The rock is very vuggy from alteration. Oxidation is strong to about 210 feet. Disseminated specularite is again quite abundant, which, when finely disseminated, is difficult to distinguish from molybdenite. Occasional chalcopyrite can be seen. The entire zone from 176-430 feet is highly brecciated. The fault encountered at 176 feet projects quite well from the fault zone exposed in the cut above Hole II-S4 and in Hole II-S4. Alteration has diminished from 440 to the present depth of 592 feet.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

June 6, 1964

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: May 31, 1964
ORDER NUMBER: 2-263
INVOICE NUMBER:
CONTRACT: Nye-Apex 64-Surface
TERMS: as per contract
LOCATION: Apex, Colorado

Nye Metals, Inc.
Blackhawk, Colorado

Attn: Mr. Charles Melbye
Box 309,
Golden, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# S-9	Overburden 0	16	16'	$ 5.70	$ 91.20
	NX 16	592	576'	4.60	2,649.60
	Cardboard Core Boxes (NX size)		59 boxes	1.00	59.00
				Total	$2,799.80

ME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149 Stage II
Contract Amount $276,230.00
Gov't. Participation x50 $138,115.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of December, 1963

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 1017, Merchants Bank Building, Indianapolis, Indiana

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	-0-	$ 1,200.00	$ 1,200.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	$392.00	37,126.40	37,518.40			
Timbering	-0-	13,364.00	13,364.00			
X-cut, drill stas	-0-	3,600.00	3,600.00			
(2) Comp. Air	-0-	1,814.45	1,814.45			
Cage-Cementing	-0-	2,550.00	2,550.00			
Outside Consultants						
Incid. Allow.	29.40	2,272.50	2,301.90			
(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	-0-	636.00	636.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	54.00	822.00	876.00			
TOTALS	$475.40	$161,016.35	$161,491.75	475.40	161,016.35	161,491.75

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

Date Jan. 20, 1964 * Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 237.70

Signature OAS
(Authorized Certifying Officer)

Date 2/3/64 Vou. No. 1011-5

(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. 2149

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 1-22-64

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 December, 1963 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090-2149 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	Ft	0	2708	$92,072.00			
Crosscutting	Ft	0	163.5	5,559.00			
xxxxSurf. Drlg.NX	Ft	0	1894	8,712.40			
Raising xxxx Surf. Drlg.BX	Ft	98	2404	9,616.00			
Shafts xxxxSurf. Drlg.O.B.	Ft	0	76	433.20			
Winzes Timber	Ft	0	1670.5	13,364.00			
Other Underground NX 0-500	Ft	0	1144	4,747.60			
Drilling, Core-Diamond NX 500-750 xxxx	Ft	0	120	528.00			
Rotary xx BX 0-500	Ft	0	1114	4,710.50			
Drilling, Non-core-Diamond BX 500-750 xxxx	Ft	0	674	2,729.70			
Rotary BX 750+ xxx	Ft	0	505	2,323.00			
Churn AX xxxxxx	Ft	0	715	3,718.00			
Percussion Casg.-Cement.	Hr	0	300	2,550.00			
Miscellaneous X-cut, drill stas.	Ft	0	120	3,600.00			
	Hr	0	80	1,200.00			
Roads and Trails xxxxx Incid.Allow.	Ft	98	7673	2,304.90			
Stripping xxxxx Comp. Air	Ft	0	3299	1,814.45			
Trenching xxxxxxxxCore boxes	Ea	54	876	876.00			
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				636.00			
TOTAL TO DATE *(per MME Form 60)*				$161,491.75			$161,491.75

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 Jan. 20, 1964 Operator Nye Metals, Inc.

Per Robert C. Nye 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. Connors

Title Acting Field Officer
Government Representative

Date 1-22-64

(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 - DECEMBER, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for December, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Core drilling was continued at the Nye Metals property during December but was considerably hampered again by freezing equipment, internal Boyles Bros. labor troubles, and by badly fractured and caving ground which necessitated cementing many times. Because of the continuing slow progress due largely to the winter weather, the request to recess the program until spring was submitted on December 20th. Therefore, this December voucher will be the last one submitted until work resumes again, as all billable items under the contract to date have been included.

Hole II-S8

The hole was stopped at 570 feet for a total of only 98 feet this month, the principal reasons for this small total being stated in the preceeding paragraph. Cementing time this month was 49 hours, making a very high total for the hole of 107 hours. This amount was consumed in getting through a 20-foot zone from 460'-480'. The caving then caused the casing to stick, requiring 27 hours to pull the casing. None of this time is billed in the voucher as the 300-hour total has been used. It is hoped that more casing-cementing time can be allowed on future drilling, as this one hole used 166 hours or over half the allowable hours. This trouble is not an isolated case but has occurred a number of times in the Nye Metals drilling program.

In spite of the trouble, core recovery averaged a respectable 92.7%.

BX core size was used from 188 feet to the bottom. Bearing of the hole was Due East at an angle of -50°.

GEOLOGY AND ASSAY RESULTS

Assays of the split cores and a few sludges were again run by American Metal Climax, Inc. and Duval Corporation at no cost to the Operator.

Hole II-85

A few additional assays were received on the interval from 250'-280'. These are Nos. P-534 thru P-539 on the accompanying assay list from American Metal Climax.

Hole II-87

Additional assays were received on adjacent intervals to those reported last month. These were disappointing in that they did not extend the zones of significant mineralization over .1%. The previous 20-foot zone from 190'-210' averaged .146% MoS_2, and the interval 70'-80' assayed .100% MoS_2. Assays showed mineralization to extend to 240 feet, but none of these ran over .1% MoS_2. A finely disseminated mineral abundantly found throughout this zone and extending to 375 feet was thought to be partly molybdenite but apparently is largely specularite. An increase in specularite in other holes has usually brought a corresponding increase in molybdenite content.

Hole II-88

Purpose of Hole II-88 was to test at depth the same mineralized fault zone found in Hole II-82. Therefore, the hole was located 185 feet west and at a -50° angle. A wide highly faulted zone along the quartz monzonite-dacite porphyry contact was cut from 70'-142'. This showed considerable alteration to yellow-brown jarosite and clay minerals similar to the fault in Hole II-82, but this can hardly be the same since the dip would have to be less than 30°. Steep faults are nearly always the rule at the Nye property. On the other hand, significant molybdenum mineralization was encountered from 265'-405' but was not in a highly faulted zone, although brecciation occurred throughout. Rock type was predominantly dacite porphyry with a number of quartz monzonite inclusions. Chalcopyrite was visible at many spots, and specularite and magnetite content was over 5%.

Although molybdenite could be seen at many places in the cores, assays of 5-foot intervals did not exceed .1% MoS_2. The interval from 270'-295' averaged .062% MoS_2, and a deeper zone from 360'-405'

showed a number of assays above .05%. Comparable grades to that in Hole II-82, 300 feet above, were not found.

The conclusion from this is that further exploration of this anomalous zone extending SW from the Mountain Chief mine should be confined to near the mine. Degree of brecciation and alteration over wide areas is stronger near the old workings. Major faults also intersect which seems to be an important criteria.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

January 20, 1964

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: December 31, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye-Apex
TERMS: as per contract
LOCATION: Apex, Colorado (Surface)

Nye Metals, Inc.
Blackhawk, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-8	BX 472	500	28'	$ 4.00	$ 112.00
	BX 500	570	70'	4.20	294.00
	Casing time		27 hrs.	8.50	229.50
	Cement time		49 hrs.	8.50	416.50
	Lumnite		1 sk.	7.20	7.20
	Portland		3 sks.	1.55	4.65
	Core Boxes		54 boxes	1.00	54.00
				TOTAL	$1,117.85

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
P-534	.023
P-535	.017
P-536	.027
P-537	.022
P-538	.017
P-539	.013
P-540	.015
P-541	.012
P-542	.025
P-543	.025
P-544	.027
P-545	.017
P-546	.018
P-547	.045
P-548	.012
P-549	.080
P-550	.017
P-551	.027
P-585	.010
P-586	.022
P-587	.012
P-588	.023
P-589	.013
P-590	.015
P-591	.013
P-592	.015
P-593	.003
P-594	.042
P-595	.002
P-596	.017
P-597	.003
P-598	.008
P-599	.002
P-600	.008
P-601	.008
P-602	.007
P-603	.022
P-604	.015
P-605	.018
P-606	.007
P-607	.028
P-608	.005
P-609	.017
P-610	.012
P-611	.013

Sample No.	% MoS_2
P-612	.018
P-613	.012
P-614	.030
P-615	.023
P-616	.017
P-617	.008
P-618	.023
P-619	.008
P-620	.015
P-621	.008
P-622	.008

DUVAL CORPORATION

COPPER DIVISION - ESPERANZA PROPERTY

SAHUARITA, ARIZONA

ASSAY REPORT

SAMPLE NO.	% TOTAL Cu.	% MoS_2	COMPOSITE Au.	COMPOSITE Ag.
P - 552	ALL LESS THAN .01	.010		
553		.005		
554		.006		
555		.006		
556		.001		
557		.040		
558		.052		
559		.071	Trace	Nil
560		.097		
561		.022		
562		.068		
563		.023		
564		.038		
565		.050		
566		.003		
567		.012		
568		.025		
569		.027		
570		.020		

II-5

a E.B.

DUVAL CORPORATION

COPPER DIVISION - ESPERANZA PROPERITY

SAHUARITA, ARIZONA

SA'PIE NO.	% TOTAL CU.	% MoS_2
P - 571		.020
572		.025
573	ALL LESS THAN .01	.012
574		.016
575		.031
576		.055
577		.016
578		.035
579		.076
580		.048
581		.045
582		.030
583		.050
584		.056

T-56

A. E. B.

ESPERANZA COPPER DIVISION

CERTIFICATE OF ASSAY

Special for Geol. Dept. — December 21, 1969

BEAKER NOS.	MARKS, ETC.	SAMPLE GMS.	Mo		Mo S2 Calc.			
	Hye P-181		.043		.071			
	Compo (Bal. of Box)		.025		.041			

FORM 311 O.S.

OFFICIAL FILE COPY
O. M. E
RECEIVED FEB 4 1964

DATE	INITIALS	CODE

OME

DEPARTMENT OF THE INTERIOR

MME FORM 60
SEPT. 1959

DEC 13 1963

REGION III
DENVER, COLORADO

DEC 3 [illegible] 63

Murphy

UNITED STATES DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6251
Contract No. 14-23-090-2140 Store II
Contract Amount $276,250.00
Gov't. Participation 50% 138,119.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of November, 1963

Operator's Name Rye Metals, Inc.
Address Buckhorn, Colorado or Room 1017, Merchants Bank Building, Indianapolis, Indiana

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	-0-	$ 1,200.00	$ 1,200.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	$2,991.80	34,134.60	37,126.40			
Sinking &	-0-	13,264.00	13,264.00			
1-cut. rill etc.	-0-	3,600.00	3,600.00			
(2) Comp. Air	-0-	1,814.45	1,814.45			
Cooling & Heating	-0-	2,980.00	2,980.00			
Outside Consultants						
Liquid. Blow.	147.60	2,124.90	2,272.50			
(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	-0-	626.00	626.00			
Payroll Taxes						
Employee's Liability Ins.	46.00	776.00	822.00			
TOTALS	$2,285.40	$158,730.95	$161,016.35	2,285.40	158,730.95	161,016.35

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

Date Dec. 20, 1963 *Payee Rye Metals, Inc.

Per Robert E. Rye 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:

$ 1,142.70

Signature _____
(Authorized Certifying Office)

Date 12/18/63 Vou. No. 84

(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. 2149

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 12-13-63

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 November, 1963 Docket No. 6251

Operator's Name Rye Metals, Inc. Contract No. 14-23-090- 2149 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	Ft	0	2708	$98,072.00			
Crosscutting	Ft	0	155.5	5,559.00			
Raising	Ft	178	1894	8,712.40			
Shafts	Ft	304	8500	9,684.00			
Winzes	Ft	10	76	433.20			
Other Underground	Ft	0	1670.5	13,504.00			
Drilling, Core-Diamond	Ft	0	1114	4,747.60			
Rotary	Ft	0	120	525.00			
Drilling, Non-core-Diamond	Ft	0	1114	6,710.50			
Rotary	Ft	0	674	2,729.70			
Churn	Ft	0	505	2,525.00			
Percussion	Ft	0	715	3,710.00			
Miscellaneous	Hr	0	500	2,950.00			
Cut, Drill Etc.	Ft	0	120	3,600.00			
	Hr	0	80	1,600.00			
Roads and Trails	Ft	492	7575	2,272.50			
Stripping	Ft	0	2659	1,814.45			
Trenching	Ea	46	822	822.00			
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases				636.00			
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				$161,016.35			$161,016.35

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 Dec. 10, 1963 Operator Rye Metals, Inc.

Per Robert E. Rye 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. Connors

Title Acting Field Officer
Government Representative

Date 12-13-63

(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 - NOVEMBER, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for November, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Core drilling comprised the entire exploration program under the OME contract at the Nye Metals property in November. However, considerable geological-geophysical work and bulldozing was completed at the Operator's expense. Total advance was only 492 feet which was due to a number of troubles, including freezing waterlines, repairs to vehicles and equipment, and during the last week very difficult drilling which required a total of 58 hours cementing. The change has now been made from pumping water from a pond to hauling water by truck and this should alleviate that trouble.

Hole II-87

An additional 20 feet was drilled to its total depth of 601 feet. Bearing was S60°E and the angle -45°. Core recovery averaged 86.2%. The hole was carried NX size to 194 feet and BX size on the balance. This hole was drilled without much trouble and only 4 hours of cementing time was needed. Since the 300 allowable hours of casing and cementing time is used up, no billing for this category is included in this voucher.

Hole II-88

This hole is in progress at 472 feet but has been about at that depth for over a week. A total of 58 hours cementing time has been billed by Boyles Bros. and there will be additional in December. Casing time has taken another 32 hours. NX core size was used to 188 feet.

GEOLOGY AND ASSAY RESULTS

Assays this month were again run by American Metal Climax, Inc. and Duval Corporation at no cost to the Operator.

Hole II-82

Assays have been received on a test section, 100 feet wide, from the zone near the bottom of the hole which contained 5-10% disseminated pyrite and magnetite with some chalcopyrite and molybdenite. Assays were all low except for a 5-foot zone at 500'-505' which ran .215% MoS_2. The few copper, gold, and silver assays run were all very low. These assays are included as a page in this report rather than submitting an entire new log.

Hole II-85

The assays from a 110-foot section in the Indiana fault zone were disappointing. Although molybdenite was not visibly abundant, there was considerable jarosite and limonite which was suspected to carry oxide Mo, judging from the case in other holes. However, this was not the case in Hole II-85. Apparently the iron oxides were derived principally from the disseminated specularite which was very abundant.

Hole II-86

As mentioned last month, visual logging of this hole did not indicate unusual amounts of disseminated molybdenite, and the assays bore out this conclusion. Alteration and brecciation were generally less intense and therefore the rock at this location was not sufficiently favorable for molybdenite deposition.

Hole II-87

The geology of this hole was different in that wide aplite dikes were intersected from 66'-212' and another at 318'-322. These are typical light-gray, fine-grained, sugary aplites with occasional small feldspar phenocrysts nearly obliterated by later silicification. They are occasionally vuggy and often brecciated with specularite and molybdenite in the fractures. Pyrite content was noticeably slight. The breccia zone encompassed the aplite zone and extended from 35'-370', and all rock types in this zone, aplite, dacite porphyry, and quartz monzonite, showed intense silica flooding and secondary orthoclase with moderate argillization and possible sericitization. The best molybdenite mineralization occurred in the aplite from 190'-210', which averages .121% MoS_2. This zone, with comparable mineralization appears to extend to 370 feet, but the balance of the assays are not complete. This gives a substantial potential width of 180

feet. The interval at 70'-75' ran .112% MoS_2, and a few additional samples will be taken above 70 feet. The latter part of this 180-foot zone showed the same intense chloritization as in Hole II-84 together with silica and molybdenite cementing breccia fragments. The last 100 feet was in quartz monzonite which was less altered and mineralized, hence the hole was stopped at 601 feet.

Hole II-88

This hole is still in progress and a complete discussion together with a drill log will be submitted next month. The last 200 feet has showed unusual amounts of disseminated molybdenite with some chalcopyrite, and a large number of assays are being run.

Magnetic and Geologicall Work

The magnetic survey has been completed and maps and interpretations of this survey, together with a complete review of results will soon be submitted to illustrate the favorable potential ore targets yet to be explored. A long bulldozer cut has been completed at the Operator's expense along the west side of the Mountain Chief area and this furnishes considerable new geological information.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye, Geological E.
Consultant to Nye Metals, Inc.

Hole II-S2- Continued

No.	Depth	% Core	% MoS_2	% Cu	Oz Au	Oz Ag
P-446	500-505	67	.215	.01	Tr	Tr
P-447	505-510	67	.085	.01		
P-448	510-515	74	.030			
P-449	515-520	100	.033	.01		
P-450	520-525	96	.007			
P-451	525-530	91	.010			
P-452	530-535	93	.018			
P-453	535-540	100	.015			
P-454	540-545	100	.010			
P-455	545-550	100	.005			
P-456	550-555	100	.027	.01		
P-457	555-560	100	.010			
P-458	560-565	100	.008			
P-459	565-570	100	.003			
P-460	570-575	100	.023			
P-461	575-580	100	.007			
P-462	580-585	100	.023			
P-463	585-590	100	.010			
P-464	590-595	100	.023			
P-465	595-600	100	.013			

$\frac{.575}{20} = 0.029$

11.52

$\frac{360}{19} = 0.019$

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: November 30, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye-Apex
TERMS: as per contract
LOCATION: Apex, Colorado (Surface)

Nye Metals, Inc.
Blackhawk, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-7	BX 581	601	20'	$ 4.20	$ 84.00
	Casing time		9 hrs.	8.50	76.50
S-8	NC 0	10	10'	5.70	57.00
	NX 10	188	178'	4.60	818.80
	BX 188	472	284'	4.00	1,136.00
	Casing time		32 hrs.	8.50	272.00
	Cement time		58 hrs.	8.50	493.00
	Cal Seal		6 sks.	10.70	64.20
	Lumnite Cement		3 sks.	7.20	21.60
	Core Boxes		46 boxes	1.00	46.00
				TOTAL	$3,069.10

Assays by American Metal Climax, Inc.

No.	% MoS_2
P-466	.112
P-467	.087
P-468	.047
P-469	.057
P-470	.085
P-471	.023
P-472	.023
P-473	.013
P-474	.012
P-475	.025
P-476	.022
P-477	.018
P-478	.025
P-479	.013
P-480	.010
P-481	.083
P-482	.015
P-483	.018
P-484	.047
P-485	.080
P-486	.052
P-487	.080
P-488	.085
P-489	.010
P-490	.100
P-491	.185
P-492	.092
P-493	.108

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

NYE Metals

	SAMPLE NO.	HOLE NO.	% TOTAL CU	% Mo.	Calculated % MoS2	REMARKS	Ag.	Au.
1	P - 441		.01	.025	.042			
2	442			.005	.008			
3	443			.017	.028	IL-56		
4	444			.017	.028			
5	445			.011	.018			
6	446		.01	.129	.215	Trace	Trace	
7	447		.01	.051	.085			
8	448			.018	.030			
9	449		.01	.020	.033			
10	450			.004	.007			
11	451			.006	.010			
12	452			.011	.018			
13	453			.009	.015			
14	454			.006	.010	IL-52		
15	455			.003	.005			
16	456		.01	.016	.027			
17	457			.006	.010			
18	458			.005	.008			
19	459			.002	.003			
20	460			.014	.023			
21	461			.004	.007			
22	462			.014	.023			
23	463			.006	.010			
24	464			.014	.023			
25	465			.008	.013			
26								
27								
28								
29								
30								

CHEMIST [illegible] DATE 12/5/63

Copies: Engineering Office, Pit Office, Assay Office

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

NXE Metals

	SAMPLE NO.	~~HOLE NO.~~	% TOTAL CU	~~% ACID CU~~ % Mo.	~~% MO~~ Calculated % MoS_2	REMARKS
1	P - 494			.001	.002	II-56
2	495			.015	.025	
3	496			.006	.011	II-57
4	497			.025	.041	
5	498			.005	.009	
6	499			.011	.018	
7	500			.002	.003	
8	501			.003	.005	
9	502			.001	.001	
10	503			.004	.006	
11	504			.003	.006	
12	505			.006	.011	
13	506			.002	.003	
14	507			Trace	Trace	II-55
15	508			.021	.035	
16	509			.017	.028	
17	510			.027	.045	
18	511			.034	.057	
19	512			.013	.022	
20	513			.015	.024	
21	514			.017	.029	
22	515			.016	.026	
23	516			.002	.003	
24	517			.004	.007	
25	518			.021	.035	
26	519			.022	.037	
27	520			.007	.012	
28	521			.009	.015	II-56
29	522			.013	.022	
30	523			.009	.015	

CHEMIST [illegible] DATE 12/5/63

Copies: Engineering Office, Pit Office, Assay Office

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

	NYE Metals SAMPLE NO.	~~HOLE NO.~~	% TOTAL CU	~~% MAS CU~~ % Mo.	~~% MO~~ Calculated % MoS2	REMARKS
1	P - 524			.003	.004	
2	525			.017	.029	
3	526			.003	.005	
4	527			.007	.012	
5	528			.003	.005	1/5-6
6	529			.024	.040	
7	530			.023	.039	
8	531			.002	.003	
9	532			.001	.001	
10	533			.005	.008	
11						
12						
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30						

CHEMIST [signature] DATE 12/5/63

Copies: Engineering Office, Pit Office, Assay Office

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No.
14-23-090- 2149 Stage II
Contract Amount $278,225.00
Gov't. Participation % 50 $139,113.00
Mineral(s) Moly

OPERATOR'S MONTHLY VOUCHER

For Month of October, 1963

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 711, Merchants Bank Building, Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$ 165.00	$ 1,035.00	$ 1,200.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	4,494.80	30,539.80	35,034.60			
Timbering	-0-	13,364.00	13,364.00			
X-cut, Drill stas	-0-	3,600.00	3,600.00			
xxxxxxxxComp. Air	-0-	1,814.45	1,814.45			
(2) Personal Services: xxxxxxxxxxxx Casing-Cementing	-0-	2,550.00	2,550.00			
Outside Consultants						
xxxIncid. Allow. Labor	315.60	1,809.30	2,124.90			
(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	-0-	636.00	636.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	176.00	600.00	776.00			
TOTALS	$5,151.40	$153,579.55	$158,730.95			

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

Date Nov. 7, 1963 *Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 2,575.70

12/30/63 cec

Signature B.H.B.
(Authorized Certifying Officer)

Date 12/18/63 Vou. No. 843-6

(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. _____

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature _____ Title _____ Date _____

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.

INT.DUP.,D.C.59- 61579

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of October, 1963 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149 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	Ft	0	2708	$ 92,072.00			
Crosscutting	Ft	0	163.5	5,559.00			
~~xxxx~~Surf. Drlg. NX	Ft	427	1716	7,893.60			
~~xxxx~~Surf. Drlg. BX	Ft	607	2002	8,008.00			
~~xxxx~~Surf. Drlg. Overb	Ft	18	66	376.20			
Other Underground Timber	Ft	0	1670.5	13,364.00			
Drilling, Core-Diamond NX 0-500	Ft	0	1144	4,747.60			
NX 500-750 ~~xxxx~~	Ft	0	120	528.00	← March - OMB Rule No 3		
Drilling, ~~xx~~ Non-core-Diamond BX 0-500	Ft	0	1114 ✓	4,710.50			
BX 500-750 ~~xxxx~~	Ft	0	674 ✓	2,729.70			
BX 750+ ~~xxxx~~	Ft	0	505 ✓	2,323.00			
AX ~~xxxxxx~~	Ft	0	719 ✓	3,718.00			
Miscellaneous Coog.-Cement	Hr	0	300	2,550.00			
X-cut, drill stoo.	Ft	0	120	3,600.00	(allowed 100')		
Roads and Trails	Hr	11	80	1,200.00			
~~xxxxx~~Incid. Allow.	Ft	1052	7083	2,124.90			
~~xxxxx~~Comp. Air	Ft	0	3299	1,814.45			
~~xxxxx~~Core boxes	Ea	176	776	776.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				636.00			
TOTAL TO DATE *(per MME Form 60)*				$158,730.95			

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. 7, 1963 Operator Nye Metals, Inc.

Per Robert E. Nye 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 $ Copied from Brown's Copy to auditor

Title

Government Representative

Date 12/2/63

(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, reamers, 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
NOV 12 1963
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.

NARRATIVE REPORT - OCTOBER, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for October, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

All exploration work this month has consisted of core drilling. Total footage was 1052 feet, which was the best thus far considering that the crews were off for the first week of deer season. Daily advance averaged nearly 50 feet.

Hole II-S6

This hole was started before II-S5 and was therefore completed early in the month to the total depth of 577 feet, or a total footage in October of 123 feet. Drilling was relatively good as a total of only 7 hours cementing time was needed in addition to thenormal casing when NX size is reduced to BX, in this case a total of 15 hours for placing and removing casing. Core recovery averaged 92.0%. NX size was carried to 281 feet and BX size to the total depth.

Hole II-S5

Drilling of this hole also progressed reasonably well as cementing and casing time totaled 20 hours. Total depth was 348 feet. The bearing was at S7°W and at a -55° angle. The hole was carried NX size to 251 feet and BX to the bottom. Core recovery averaged 93.1%.

Hole II-S7

This hole is in progress at 581 feet and is expected to be bottomed in the next day or two. Therefore, the pertinent data as well as drill log will be furnished with the November report. Location is roughly 400 feet W of Hole II-S6, bearing is S60°E, and the angle -45°.

In accordance with notification from the Washington OME officem we are informed that the 600 core boxes are not a maximum, and the excess of 76 boxes in September plus the 100 this month are all included in this voucher.

GEOLOGY AND ASSAY RESULTS

Assays are again being run by American Metal Climax, Inc. and Duval Corporation at no cost to the Operator.

Hole II-82

Assays are finally completed on the upper molybdenite zone in this hole and are shown on the assay log. Substantial widths of disseminated molybdenum values are quite interesting, especially since they are near surface.

Depth	Width	% MoS_2
40'- 70'	30'	.106
120'-270'	150'	.111
120'-265'	45'	.154

These values were found in the middle of the breccia zone and both in the dacite porphyry and quartz monzonite, with the higher-grade values in the dacite. A trial run of samples is being assayed from 100 feet of the lower zone of chalcopyrite-pyrite- magnetite mineralization and will be reported next month.

Hole II-84

The colored log was included last month but assays are now completed and are shown on a copy of the log with this report. Assay results are the most encouraging thus far in the program and are averaged as follows for the different widths:

Depth	Width	% MoS_2
465'-640'	175'	.108
465'-565'	100'	.152
500'-560'	60'	.197
520'-530'	10'	.498

These assay widths definitely indicate the possibility of an economic large disseminated molybdenite deposit. Principal values occur both in the dacite porphyry and in the intruded quartz monzonite, although slightly better values are in the dacite where the intense brecciation, chloritization, and secondary orthoclase and silica are found.

It does not appear to be along any major fault although certainly in an intense breccia zone probably associated with the major northwest faulting. No other holes have penetrated this zone, as Hole II-85 was located specifically to test the northeast Indiana vein structure.

Hole II-85

As mentioned above, the purpose was to test the projected Indiana vein structure from the underground workings and visible in the bulldozer cut directly above. The Indiana structure is definitely present but has changed from a well-defined quartz vein as seen underground to a wider zone of disseminated mineralization with only small quartz veinlets. A fair amount of molybdenite could be seen over an apparent width of 112 feet. In addition, there was considerable limonite and jarosite to a vertical depth of about 200 feet, which is suspected to contain some ferri-molybdite. Thin aplite stringers were present, consisting of a pink fine-grained material with tiny feldspar phenocrysts. Strong brecciation could be seen throughout most of the hole with the most intense gouge, brecciation, and molybdenite mineralization centered in the Indiana fault zone over a true width of 85 feet. The same intense chloritization associated with the feldspathization and silicification, as seen in Hole II-84, was logged over two wide zones. Disseminated specularite was abundant, but pyrite content was less than normal.

Hole II-86

Only two narrow dacite porphyry dikes were cut, and this seems to explain the considerable decrease in molybdenum mineralization. A strong fault zone was cut at 120 feet, which could be the same as that in Hole II-82, although very little oxidation products such as jarosite are present, the molybdenite content was less, and brecciation was weaker. The Pre-Cambrian quartz-biotite gneiss was cut at 58 535 feet, but numerous gneiss inclusions were found in the previous 100 feet. The same high pyrite content, as in the lower part of II-82, was present in the bottom 340 feet. It usually averaged 5-10% but was 15-20% in certain sections, but it too died out near the bottom of the hole. Specularite was more abundant than magnetite, and chalcopyrite was sparsely distributed. Molybdenite content was low, indicating again the different ages of each mineralization.

Geological Mapping

A revised geologic map of the Mountain Chief area is included with this report. All the drill holes are shown, as well as our present interpretation of the extent of rock types and brecciation. A magnetic survey will be run next week, which should aid considerably in an interpretation of the geology under the extensive alluvial cover.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: October 31, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye Apex-Surface
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-6	BX 454	500	46'	$ 4.00	$ 184.00
	BX 500	577	77'	4.20	323.40
	Casing time		8 hrs.	8.50	68.00
	Core Boxes		12	1.00	12.00
S-5	NC 0	9	9'	5.70	51.30
	NX 9	251	242'	4.60	1,113.20
	BX 251	348	97'	4.00	388.00
	Casing time		20 hrs.	8.50	170.00
	Core Boxes		37	1.00	37.00
	Lumnite		1 sk.	7.20	7.20
	Portland		3½ sks.	1.55	5.42
S-7	NC 0	9	9'	5.70	51.30
	NX 9	194	185'	4.60	851.00
	BX 194	500	306'	4.00	1,224.00
	BX 500	581	81'	4.20	340.20
	Casing and reaming time		21 hrs.	8.50	178.50
	Core Boxes		51	1.00	51.00
	Cement time		4 hrs.	8.50	34.00
	Lumnite		3 sks.	7.20	21.60
	Cal Seal		1 sk.	10.70	10.70
	Portland		1 sk.	1.55	1.55
				TOTAL	$ 5,123.37

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

NZE % Mo Calculated

	SAMPLE NO.	HOLE NO.	% TOTAL CU	% ASSCU	% MO S_2	Ag	REMARKS	Au
1	NZE P-317		"	.021	.035			
2	318		"	.091	.152			
3	319		"	.057	.095			
4	320		"	.050	.083			
5	321		"	.072	.120	nil		nil
6	322		"	.053	.088			
7	323		"	.060	.100			
8	324		"	.038	.063			
9	325		"	.008	.013			
10	326		"	.053	.088			
11	327		"	.015	.025			
12	328		"	.045	.075			
13	329		"	.018	.030			
14	330		"	.019	.032			
15	331		"	.007	.011			
16	332		"	.030	.050			
17	333		"	.021	.035			
18	334		"	.086	.143			
19	335		"	.229	.382			
20	336		"	.089	.148			
21	337		"	.065	.108			
22	338		"	.062	.103			
23	339		"	.009	.015	nil		nil
24	340		"	.060	.100			
25	341		"	.116	.194			
26	342		"	.114	.190			
27								
28								
29								
30								

CHEMIST W. M. Tindell DATE 10/4/63

Copies: Engineering Office, Pit Office, Assay Office

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

NYE

	SAMPLE NO.	HOLE NO.	% TOTAL CU	% ~~AS CU~~	% MOS_2 (Calculated)	Ag	~~REMARKS~~	Au
1	NYE P-343			.005	.008			
2	344			.012	.020			
3	345			.066	.110			
4	346			.036	.060	nil		nil
5	347			.097	.162			
6	348			.049	.082			
7	349			.067	.112			
8	350			.056	.093			
9	351			.051	.085			
10	352			.022	.036			
11	353			.012	.020			
12	354			.012	.020	nil		nil
13	355			.069	.115			
14	356			.004	.007			
15	357			.218	.364			
16	358			.075	.125			
17	359			.050	.083	nil		nil
18	360			.043	.072			
19	361			.071	.118			
20	362			.055	.092			
21	363			.103	.172			
22								
23								
24								
25								
26								
27								
28								
29								
30								

All samples less than .015

CHEMIST F. M. Tindall

DATE 10/3/63

Copies: Engineering Office, Pit Office, Assay Office

FORM #316

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

ASSAY REPORT

Calculated

	SAMPLE NO.	HOLE NO.	% TOTAL CU	% A-S CU	% MO	Ag	REMARKS	Au
1	P-364			.030	.020			
2	365			.023	.038			
3	366			.074	.123			
4	367			.044	.073			
5	368			.008	.013			
6	369			.028	.047			
7	370			.037	.062			
8	371			.147	.245			
9	372			.048	.080		Nil	Trace
10	373			.049	.082			
11	374			.048	.080			
12	375			.014	.023			
13	376			.053	.088			
14	377			.007	.011			
15	378			.008	.013			
16	379			.004	.002			
17	380			Nil	Nil			
18								
19								
20								
21								
22								
23								
24								
25								
26								
27								
28								
29								
30								

Cu less than .012 in samples 371 to 379

CHEMIST F. M. Tindell

DATE 10/3/63

Copies: Engineering Office, Pit Office, Assay Office

Assays by American Metal Climax, Inc.

Sample	% Tot. Mo	% MoS_2
P-381	.027	.045
P-382	.024	.040
P-383	.033	.055
P-384	.080	.133
P-385	.032	.053
P-386	.061	.102
P-387	.073	.122
P-388	.064	.107
P-389	.004	.007
P-390	.004	.007
P-391	.013	.022
P-392	.038	.063
P-393	.170	.284
P-395	.031	.052
P-396	.033	.055
P-397	.004	.007
P-398	.038	.063
P-399	.042	.070
P-400	.014	.023
P-401	.004	.007
P-402	.013	.022
P-403	.006	.010
P-404	.024	.040
P-405	.038	.063
P-406	.019	.032
P-407	.032	.053
P-408	.004	.007
P-409	.025	.042
P-410	.025	.042
P-411	.014	.023
P-412	.043	.072
P-413	.027	.045
P-414	.026	.043
P-415	.066	.110
P-416	.052	.087
P-417	.061	.102
P-418	.055	.092
P-419	.056	.093
P-420	.054	.090
P-421	.032	.053
P-422	.061	.102
P-423	.075	.125
P-424	.087	.145
P-425	.098	.163
P-426	.278	.464
P-427	.319	.532
P-428	.052	.087

Sample	% Tot. Mo	% MoS_2
P-429	.057	.095
P-430	.061	.102
P-431	.114	.190
P-432	.094	.157
P-433	.120	.200
P-434	.030	.050
P-435	.007	.012
P-436	.011	.018
P-437	.007	.012
P-438	.003	.005
P-439	.003	.005
P-440	.002	.003
P-441	.004	.007

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No.
14-23-090- 2149 Stage II
Contract Amount $ 278,225.00
Gov't. Participation %50 $139,113.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of September, 1963

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 711, Merchants Bank Bldg., Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	FOR OPERATOR'S USE: PREVIOUSLY REPORTED	FOR OPERATOR'S USE: TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	FOR GOVERNMENT APPROVAL ONLY: PREVIOUSLY REPORTED	FOR GOVERNMENT APPROVAL ONLY: TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	60.00	975.00	1,035.00			
Drifting	-0-	92,072.00	92,072.00			
Crosscutting	-0-	5,559.00	5,559.00			
Drilling	4,679.20	25,860.60	30,539.80			
Timbering	-0-	13,364.00	13,364.00			
X-cut, drill stns.	-0-	3,600.00	3,600.00			
(2) ~~xxxxxxxxxxxx~~ Comp. Air	-24.75	1,839.20	1,814.45			
~~xxxxxxxxxxxx~~ Casing & Cementing	-0-	2,550.00	2,550.00			
Outside Consultants						
~~Labor~~ xxx Incid. Allow.	330.00	1,479.30	1,809.30			
(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	6.00	630.00	636.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	22.00	578.00	600.00			
TOTALS	$5,072.45	$148,507.10	$153,579.55	5,072.45	148,507.10	153,579.55

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Oct. 7, 1963 *Payee Nye Metals, Inc.
Per Robert C. Nye 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:

$ 2,536.22

Signature BMB
(Authorized Certifying Officer)

Date 12/18/63 Vou. No. 843-7

(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. 2149

Signature Hugh M. Brown Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Brown Title Acting Field Officer Date 10-8-63

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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

DEC 30 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of September, 1963 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149 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	Ft	0	2708	$ 92,072.00			
Crosscutting	Ft	0	163.5	5,559.00			
Surf. Drlg. NX	Ft	431	1289	5,929.40			
S. Drlg. BX	Ft	686	1395	5,580.00			
S. Drlg. Overb.	Ft	28	48	273.60			
Other Underground Timber	Ft	0	1670.5	13,364.00			
Drilling, Core-Diamond NX 0-500	Ft	0	1144	4,747.60			
NX 500- 750	Ft	0	120	528.00			
Drilling, Core-Diamond BX 0-500	Ft	0	1114	4,710.50			
BX 500-750	Ft	0	674	2,729.70			
BX 750+	Ft	-45	505	2,323.00			
AX	Ft	0	715	3,718.00			
Miscellaneous Cacg-Cement	Ft	0	300	2,550.00			
X-cut, drill stas.	Ft	0	120	3,600.00			
Roads and Trails	Hr	4	69	1,035.00			
Incid. Allow.	Ft	1100	6031	1,809.30			
Comp. Air	Ft	-45	3299	1,814.45			
Core boxes	Ea	22	600	600.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				636.00			
TOTAL TO DATE *(per MME Form 60)*				$153,579.55			$153,579.55

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 October 7, 1963 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Connors

Title Acting Field Officer
Government Representative

Date 10-8-63

(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 - SEPTEMBER, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Underground Work

No underground work has been completed during the past month other than some timber maintenance.

Core Drilling

Hole II-S4 was drilled and completed to a depth of 691 feet. Angle of the hole was -45° and the bearing at S22°W. Casing time was 51 hours, but this is not billed since the total of 300 hours is used up. Overall core recovery was 90.2%.

Hole II-S6 was drilled before II-S5, in accordance with government approval as per letter of September 17, 1963. This hole is in progress and is at a depth of 454 feet. Location is 400 feet south of Hole II-S2, at a -45° angle and in a due East direction. Casing and cementing time have each been only 7 hours thus far.

We have been notified of an error in the July, 1963 voucher with respect to BX underground drilling in Hole II-10. Boyles Bros. Drilling Company made an error of 45 feet in the footage, which was not noticed at that time. Therefore, Boyles Bros. will issue a credit, and the 45 feet is being deducted from this month's voucher under BX underground drilling, incidental allowance, and compressed air categories.

Another error was also found in the Boyles Bros. July invoice. In Hole II-S2, the NX size was billed to 458 feet whereas the NX size was actually changed to BX at 396 feet. Therefore, in this month's voucher, 62 feet of NX surface drilling was deducted and 62 feet added to BX drilling, or a total deduction of $37.20.

Another cost category under Stage II is used up, that of core boxes. A total of 98 were used, but only 22 are billed to equal the allowable of 600.

GEOLOGY AND ASSAY RESULTS

Both American Metal Climax, Inc. and Duval Corporation have completed assays this month, as well as two by Herbert M. Ochs.

Core Drilling

Hole II-S1- Additional assays were completed on the upper zones in this hole, thereby completing all assaying of interesting zones. A log summarizing these assays is included. Two wide zones of interest were found. The first from 430'-555' averages .08% MoS_2, 0.1% Cu, and .009 oz Au. Part of this zone, 525'-555', averages .126% MoS_2, .075% Cu, and .018 oz Au. The second zone averages .082% MoS_2 from 670'-745', and copper and gold assays are incomplete.

Hole II-S3- This hole, drilled at the Operator's expense, has been partially assayed, and the log is included. Core recovery was an unusually high 99.7%. Assay results are disappointing, but it does bear out the apparent indication from Hole II-S1 that the better values lie on the hangingwall of the Mountain Chief fault. This hole was purposely collared very near the Mountain Chief fault to explore primarily the footwall side. Subsequent drilling can now be confined to the hangingwall by collaring holes farther northward and towards Jenny Ling gulch. Since this hole pierced the Mt. Chief fault only 100 feet from the surface, the inference is also present that molybdenum values have increased with depth, as shown again in Hole II-S1.

Hole II-S4- A log is included but assays are incomplete. The geology is predominantly that of the dacite porphyry plug intruding the quartz monzonite, but the width appears to be diminishing. Dacite was drilled from 348'-560' and was nearly continuously brecciated. Significant visible molybdenum mineralization is present through the dacite as well as into the quartz monzonite on the south side (Depth of 655'). A few other narrow dacite porphyry and aplite dikes were encountered. Major faulting was found at 68 feet and again over a zone from 310'-370'. The most interesting feature is the presence of molybdenite and quartz cementing breccia fragments throughout the breccia zone. Another different feature is the intense chloritization associated with the molybdenite throughout the breccia. Chlorite alteration accompanies intense secondary orthoclase and flooding of quartz veinlets. Considerable specularite is disseminated in the rock, but jarosite was sparse and then only in the upper 150 feet, indicating that oxidation has not occurred as deeply as near the Mountain Chief mine (500-foot vertical depth). Pyrite content was weak to moderate, probably less than 5%.

Hole II-S6- Since this hole has only started, all comments will be confined to the October report.

Evergreen Mine Area

Considerable geochemical soil and rock sampling has been completed. Work has been confined generally to the area between the Evergreen mine and Oregon Hill. Geological mapping is also being done in an effort to delineate a favorable zone for drilling. The Evergreen mineralization was disseminated chalcopyrite and bornite with some molybdenite in a swarm of quartz monzonite dikes intruding the gneiss. Structural evidence indicates an eastward extension of this mineralization, which would be entirely on Nye Metals ground.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

September 7, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2	Sample No.	% MoS_2
P-212	.016	P-255	.012
P-213	.061	P-256	.042
P-214	.058	P-257	.012
P-215	.023	P-258	.016
P-216	.024	P-259	.017
P-217	.012	P-260	.042
P-218	.019	P-261	.009
P-219	.019	P-262	.017
P-220	.017	P-263	.031
P-221	.016	P-264	.023
P-222	.040	P-265	.019
P-223	.059	P-266	.014
P-224	.012	P-267	.012
P-225	.023	P-268	.023
P-226	.024		
P-227	.024		
P-228	.040		
P-229	.012		
P-230	.038		
P-231	.012		
P-232	.010		
P-233	.024		
P-234	.016		
P-235	.012		
P-236	.010		
P-237	.010		
P-238	.028		
P-239	.023		
P-240	.012		
P-241	.016		
P-242	.007		
P-243	.017		
P-244	.021		
P-245	.005		
P-246	.005		
P-247	.009		
P-248	.010		
P-249	.009		
P-250	.010		
P-251	.030		
P-252	.023		
P-253	.010		
P-254	.012		

D[illegible]VAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

Special for Geology Dept. (Ryan Metals, Inc.) September 12, 1963

BEAKER NOS.	MARKS, ETC.	SAMPLE GMS.	% Mo	% Insol.	% Cu		Composites Ag oss./ton	Composites Au oss./ton
	166		.014	.023				
	168		.022	.035			nil	.001
	169		.016	.027				
	170		.015	.025				
	171		.029	.048			nil	.001
	172		.019	.032				
	173		.026	.043				
	175		.021	.032				
	178		.026	.043			nil	.001
	179		.015	.023				
	182		.031	.052				
	183		.045	.075			nil	.001
	184		.018	.030				
	185		.020	.033				
	186		.017	.028				
	187		.022	.037			nil	.001
	188		.005	.008				
	189		.014	.023				
	190		.0003	.001				
	191		Trace	Trace				
	192		Trace	Trace				
	193		Trace	Trace				
	194		.002	.003			nil	.001
	195		.031	.052				
	196		.008	.013				
	197		.011	.018				
	198		.010	.017				
	199		.019	.032				
	200		Trace	Trace				
	201		Trace	Trace				
	202		.016	.027				
	203		.0004	.001				
	204		.0015	.002				
	205		.002	.003				

All samples absorbed some iron from alloy

FORM 311 M.L.

Chief Chemist: F.M. Lindall

HERBERT M. OCHS
CHEMIST & SPECTROGRAPHER
81 South Elati Street -:- RA. 2-8565
DENVER 23, COLORADO

August 5, 1963

Lab #8660-8661

Nye Metals, Inc.
Blackhawk, Colorado

Sample	Molybdenum Sulfide (MoS_2)
P-143	0.18
P-144	0.30

H M Ochs

HERBERT M. OCHS
CHEMIST & SPECTROGRAPHER
81 South Elati Street -:- RA. 2-8565
DENVER 23, COLORADO

August 5, 1963

#8660-8661

Nye Metals, Inc.
Blackhawk, Colorado

Analysis of two samples for MoS_2 @ $3.00 $6.00

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: September 30, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye-Apex
TERMS: as per contract
LOCATION: Apex, Colorado (surface)

Nye Metals, Inc.
Blackhawk, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-4	NQ 0	19	19'	5.70	108.30
	NX 19	240	221'	4.60	1,016.60
	BX 240	500	260'	4.00	1,040.00
	BX 500	691	191'	4.20	802.20
	Casing time		51 hrs.	8.50	433.50
	Core Boxes		56 boxes	1.00	56.00
S-6	NQ 0	9	9'	5.70	51.30
	NX 9	281	272'	4.60	1,251.20
	BX 281	454	173'	4.00	692.00
	Casing time		7 hrs.	8.50	59.50
	Cement time		7 hrs.	8.50	59.50
	Lumnite		1 sk.	7.20	7.20
	Portland cement		1 sk.	1.55	1.55
	Core Boxes		42 boxes	1.00	42.00
					$5,620.85
CREDIT -	Overcharge on July invoice on hole # 2 -				- 37.20
				TOTAL	$5,583.65

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS
General Offices and Plant
1624 Pioneer Road P. O. Box 58 HUnter 7-7595
SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: September 30, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Nye-Apex
TERMS: as per contract
LOCATION: Apex, Colo (underground)

Nye Metals, Inc.
Blackhawk, Colorado

Credit Memorandum

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
July 31 Invoice					
# 10	762	1000	overcharge 45'	4.60	$ 207.00

THIS IS A CREDIT MEMO, NOT A INVOICE

DEPARTMENT OF THE INTERIOR

MME FORM 61
SEPT. 1959

SEP 9 1963

REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Murphy

OPERATOR'S PROGRESS REPORT

For Month of August, 1963 Docket No. 6251

Operator's Name Eye Metals, Inc. Contract No. 14-23-090-2169

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	ft	0	2700	$22,072.00			
Crosscutting	ft	0	105.9	5,550.00			
Raising	ft	0	690	5,540.00			
Shaft	ft	234	799	2,536.00			
Winzes	ft	0	20	110.00			
Other Underground	ft	0	1070.5	13,354.00			
Drilling, Core-Diamond	ft	0	1144	4,747.00			
Drilling, Non-Core-Diamond	ft	0	10	525.00			
Drilling, Rotary	ft	0	1114	4,710.50			
Drilling, Percussion	ft	0	648	2,789.70			
Miscellaneous	ft	20	590	2,550.00			
Roads and Trails	ft	0	715	3,715.00			
Stripping	ft	105	530	2,550.00			
Trenching	ft	0	180	3,600.00			
Test Pitting	ft	19	69	979.00			
Other Surface Work	ft	104	621	1,429.30			
Initial Rehabilitation and Repairs	ft	20	2304	1,150.20			
Rehabilitation of Mine Workings	ft	00	570	570.00			
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				690.00			
TOTAL TO DATE (per MME Form 60)				$100,507.10			$148,507.10

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. 6, 1963 Operator Eye Metals, Inc.

Per Robert E. Nye 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. Connors

Title Acting Field Officer
Government Representative

Date 9-11-63

(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.

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-[illegible]
Contract Amount $270,225.00
Gov't. Participation % 50 $135,113.00
Mineral(s) Potassium

OPERATOR'S MONTHLY VOUCHER

For Month of August, 1963

Operator's Name Eye Metals, Inc.
Address Buckhorn, Colorado or Box 711, Portsmouth
Fort Pierce, Florida, Ohio, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	FOR OPERATOR'S USE: PREVIOUSLY REPORTED	FOR OPERATOR'S USE: TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	FOR GOVERNMENT APPROVAL ONLY: PREVIOUSLY REPORTED	FOR GOVERNMENT APPROVAL ONLY: TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	225.00	750.00	975.00	225.00	750.00	975.00
Drifting	-0-	92,072.00	92,072.00		92,072.00	92,072.00
Crosscutting	-0-	5,559.00	5,559.00		5,559.00	5,559.00
Drilling	1,628.00	24,232.60	25,860.60	1,628.00	24,232.60	25,860.60
Sampling	-0-	13,364.00	13,364.00		13,364.00	13,364.00
Exploration	-0-	3,600.00	3,600.00		3,600.00	3,600.00
Misc. Air	11.00	1,828.20	1,839.20	11.00	1,828.20	1,839.20
(2) Personal Services:						
Supervision & Technical	892.50	1,657.50	2,550.00	892.50	1,657.50	2,550.00 (max)
Outside Consultants						
Labor	121.20	1,358.10	1,479.30	121.20	1,358.10	1,479.30
(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	-0-	630.00	630.00		630.00	630.00
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.	40.00	538.00	578.00	40.00	538.00	578.00
TOTALS	2,917.70	145,589.40	148,507.10	2,917.70	145,589.40	148,507.10

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

Date August, 1963 *Payee Eye Metals, Inc.

Per Robert E. Nye 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:

$ 1,458.85

Signature BrB
(Authorized Certifying Officer)

Date 9/16/63 Vou. No. 414-1

(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. 2149

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 9-11-63

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.

NARRATIVE REPORT - AUGUST, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for August, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Drifting on the flat cross-vein was discontinued at the end of July and no further work on this vein system was completed during August. This is being done to allow time to evaluate surface drilling and determine whether underground exploration is needed in another area.

Indiana Vein System

No further work was completed.

Core Drilling

Underground Hole II-10 was continued another 20 feet to a total depth of 1105 feet. Overall core recovery was 84.3%. The hole was completed BX size.

Surface Hole II-S2 was advanced another 384 feet to its total depth of 842 feet. Because of the considerable loss of core in certain sections of Hole II-S1, painstaking care was taken in this hole to insure good core recovery. This, of course, resulted in considerable total of 123 hours cementing and 21 hours casing time. This extra care and expense resulted in an excellent core recovery of 96.2% for the hole. Core size was NX to 397 feet and completion at BX size.

At the end of August, 367 hours of casing and cementing time have been used, with a total of 172 hours for August alone. Since only 300 hours are allowed under Stage II, only 105 hours more can be billed to make the total of 300. It is hoped that this can be paid for later on with unused money from other work categories.

Hole II-S3 was drilled at the Operator's expense since it was considered a strategic hole, but it had to be located closer than 200 feet to the property line and unqualified for assistance under the OME contract. The hole was drilled about 450 feet west of Hole II-S1, due South at -45°. Total depth was 675 feet. At the end of the month Holes II-S4 and II-S5 are being planned and a request for approval submitted to the Acting Field Officer.

GEOLOGY AND ASSAY RESULTS

American Metal Climax, Inc. completed only 17 assays this month, but a large number were sent to the Duval Corporation and are not finished in time for this report.

Core Drilling

Hole #II-5: A few additional assays were completed.

No.	Depth	% Core Recovery	% MoS_2
P57	217'-218'	100	.249
P59	585-590'	100	.024
P60	590'-595'	100	.017
P56	612'-617'	100	.021
P58	672'-674'	100	.197

Hole #II-3: Assays have now been completed. The interval from 119'-140', a total of 21 feet, averages .44% MoS_2. Average for 6.5' of this interval averages 1.13% MoS_2. The vein cut in this hole is a new and unexpected one. The only correlation possible with present knowledge is with a fault containing weak quartz-molybdenite veinlets, which cuts the Indiana vein 130 feet north of the main adit. Further exploration of this vein is certainly warranted, in view of the substantial width.

Hole #II-10: No change in geology was encountered from that reported last month, and the hole was stopped at 1105 feet. Quartz veining has increased but without an increase in molybdenite content.

Hole #II-S2: The hole was collared in an intense breccia zone similar to that of Hole II-S1 and continued in it to 335 feet. This was also the zone of most economic interest, as considerable disseminated molybdenite could be seen over that same width of about 230 feet. Both dacite

porphyry and quartz monzonite were found in the breccia zone in addition to small pre-Cambrian gneiss and alaskite inclusions. The width from 95'-188' was in a major fault zone from which the core recovered was mainly gouge. The gouge contained much limonite and jarosite and usually considerable molybdenite with minor chalcopyrite. The rock throughout the breccia zone is vuggy with mineralization both in the vugs and in veinlets. Quartz veining is very strong. A number of cavities are filled with fluorite.

Another dacite porphyry dike was intruded east of the breccia zone (335'-465'), but it was more weakly altered and mineralized. Disseminated sulphides present show a higher percentage of chalcopyrite. The zone from 480'-722', a horizontal width of 175', is of interest in that the pyrite content markedly increased to 5-10%. Around most pyrite masses is a rim of magnetite and more random grains of chalcopyrite. Molybdenite is more sparse. Host rock is mainly quartz-biotite gneiss with some quartz monzonite. This zone corresponds with the N-S faulted and mineralized area mapped on surface on the ridge due south of the Mountain Chief mine. Pyrite content and general alteration decreased below 800 feet, therefore dictating the stopping of the hole.

Hole #II-83: This hole, drilled by the Operator, has not been completely logged geologically, and a log will be submitted next month. However, disseminated molybdenite is present throughout the hole with the most interesting zone from 150'-650'. The content appears to be considerably higher than that of Hole II-81.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Rye Metals, Inc.

September 6, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
P-46	.014
P-47	.014
P-48	.242
P-49	.021
P-49A	.253
P-50	.804
P-51	2.26
P-52	.092
P-52A	.033
P-53	.017
P-54	.082
P-55	.092
P-56	.021
P-57	.249
P-58	.197
P-59	.024
P-60	.017

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: August 31, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Fye-Apex
TERMS: as per contract
LOCATION: Apex, Colorado (Underground)

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
10	1085	1105	20'	5.60	$ 112.00
	Casing time		28 hrs.	8.50	238.00
	Core Boxes		2 boxes	1.00	2.00
					$ 352.00

DIAMOND CORE DRILLING
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SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: August 31, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Eye-Apex
TERMS: as per contract
LOCATION: Apex, Colorado (Surface)

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
S-2	BX 458	500	42'	$ 4.00	$ 168.00
	500	750	250'	4.20	1,050.00
	750	842	92'	4.60	423.20
	Cement time		123 hrs.	8.50	1,045.50
	Casing time		21 hrs.	8.50	178.50
	Cal Seal cement		12 sks.	10.70	128.40
	Lumnite cement		3 sks.	7.20	21.60
	Bran		6 sks.	3.30	19.80
	Core Boxes		38 boxes	1.00	38.00
					$3,073.00

MME FORM 61
SEPT. 1959

AUG 23 1963

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of July, 1963 Docket No. 6291

Operator's Name Dyo Metals, Inc. Contract No. 14-23-090-219

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	ft	80	2703	102,072.00			
Crosscutting	ft	26	163.5	9,999.00			
[illegible]	ft	68	820	3,646.80			
[illegible]	ft	92	345	1,530.00			
[illegible]	ft	-0-	20	116.00			
Other Underground Timber	ft	74.5	1070.5	13,334.80			
Drilling, Core-Diamond	ft	-0-	1144	4,747.00			
Rotary	ft	-0-	120	500.00			
Drilling, Non-Core-Diamond	ft	-0-	1119	6,710.50			
Rotary	ft	-0-	674	2,739.70			
Chum	ft	308	530	2,690.00			
Percussion	ft	-0-	715	3,410.00			
Miscellaneous	hr	-0-	193	1,037.50			
[illegible]	ft	-0-	120	3,000.00			
Roads and Trails	hr	30	50	[illegible]			
Stripping	ft	210	627	1,[illegible].10			
Trenching	ft	[illegible]	[illegible]	1,[illegible].20			
Test Pitting	ea	63	250	990.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases				[illegible]			
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				149,509.40			$145,589.40

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 Aug. 9, 1963 Operator Dyo Metals, Inc.

Per Robert E. Nye 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. Connors

Title Acting Field Officer
Government Representative

Date 8-13-63

(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.

INT.DUP.,D.C.59- 61577

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. [illegible]
Contract No.
14-23-090-[illegible]
Contract Amount $ [illegible]
Gov't. Participation % 50 $ [illegible]
Mineral(s) [illegible]

OPERATOR'S MONTHLY VOUCHER

For Month of July, 1963

Operator's Name [illegible] Metals, Inc., Golden, Colorado or
Address Room 711, [illegible] Trust Building, Indianapolis
Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing	$ 750.00	-0-	$ 750.00			
Drifting	3,332.00	8,740.00	12,072.00			
Crosscutting	635.00	6,741.00	7,376.00			
Drilling	4,162.60	10,088.00	14,250.60			
[illegible]	926.00	12,760.00	13,686.00			
[illegible]	-0-	9,600.00	9,600.00			
(2) Personal Services: [illegible]	202.40	1,625.00	1,827.40			
Supervision & Technical [illegible]	-0-	1,097.50	1,097.50			
Outside Consultants						
Labor [illegible]	25.40	1,[illegible]	1,[illegible]			
(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	[illegible]	[illegible]	[illegible]			
Analytical Work						
Payroll Taxes						
Employee's Liability Ins. [illegible]	[illegible]	[illegible]	[illegible]			
TOTALS	[illegible]	[illegible]	[illegible]	10,488.40	135,101.60	145,589.40

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

Date [illegible] 1963 *Payee [illegible] Inc.

Per Robert E. Nye 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:

$ 5,244.20

Signature Bob B
(Authorized Certifying Officer)

Date 8/21/63 Vou. No. 281-3

(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. 2149

Signature Hugh M. Emmons Title _____ Date 8-13-63

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Emmons Title Acting Field Officer Date 8-13-63

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.

NARRATIVE REPORT - JULY, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for July, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Cross-cutting to find the faulted portion of the Indianapolis vein system south of the Oregon fault was continued another 24 feet. This heading was then stopped early in the month pending the results from Hole II-10 which is still exploring the area 600 feet ahead of the Indianapolis south drift. Drifting was then started on a flat cross-vein which displaced the Indianapolis vein back at Station T53. Advance on this vein was 98 feet. All that remains on cross-cutting or drifting for Stage II is 28.5 feet. The crosscut required no timber, but the drift required 59.5 feet.

Indiana Vein System

Three additional timber sets or a total of 15 feet were required to catch up spots which have showed some caving since their completion.

Core Drilling

Hole II-10 is still in highly faulted and fractured ground which has resulted in an advance of only 368' for the month. No cementing has been needed this month, but binding of the rods due to side pressure and considerable water flow have been the main problems. Only one shift per day has been used for an advance of about 14 feet/shift. Core recovery averaged 84.3% overall. However, average core recovery

was generally better than indicated as one zone from 996'-1076' recovered only 5 feet of core or 6.3%. The balance of the hole without this 80-foot zone averaged 90.3% recovery. Sludges were collected for this 80-foot interval. Hole II-10 is being drilled BX size and will soon be completed BX size.

Surface drilling was continued in Hole II-S1 to its completion depth of 745 feet. Hole II-S2 was then started and is now at 458 feet. Hole II-S1 averaged 81.6% core recovery overall. It was started NX and completed BX size. The main problem has been the loss of water in the vuggy mineralized zones, so that when very low core recovery is obtained, no sludges are available for assays. Hole II-S2 is being drilled with special care being taken to insure continual water return in case bad recovery is encountered. This will undoubtedly necessitate a large amount of cementing, but the extra expense will be justified if continual good samples are obtained for assay.

GEOLOGY AND ASSAY RESULTS

Due to the large backlog of work at the American Metal Climax, Inc. lab in Golden, no assays could be run by them this month, and all were assayed by Charles O. Parker and Company. These were all from Hole II-S1. The Duval Corporation has now agreed to run assays at no cost, which will assist considerably.

Indianapolis Vein System

Cross-cutting was not continued far enough to pickup the faulted portion of the vein system on the south side of the Oregon fault. Since the displacement is not known from surface data, no prediction can be made as to the amount still required.

The drifting to the west on the cross-vein followed a flat vein with a dip of 50°-55°N. The first 35 feet of vein was 6"-1' wide with numerous mineralized cross-fractures, but the last 60' of vein was only a few inches wide. The particular favorable part of the work is that it exposed a zone of vein and wallrock mineralization at least 100 feet wide in an E-W direction. Additional assays are being run, and a calculation of average grade can then be made.

Core Drilling

Hole #II-S1: The general geological description of this hole as given in the June report has not changed from the additional drilling data. The bottom of the hole is still in similar mineralized material, and the hole was stopped only to stay 200 feet from the Nye property line in accordance with the contract. Drilling entered the dacite porphyry

at 618 feet and continued in it to the bottom of the hole. It is apparent from the cross-section that the wide breccia zone or breccia pipe between the Mountain Chief and the next major fault 400 feet northward has been the locus for the main disseminated molybdenum-copper deposit. However, other smaller but significant mineralized breccia zones were cut between the surface and 433 feet. A number of 5-foot widths between 635' and 555' assayed between .1 and .2% MoS_2 and then again between 670' and 745'. Assays for copper and gold are being run for many of these same intervals, and judging from a visual inspection, should be in appreciable amounts. Another feature of note is that the yellow-brown mineral, jarosite (iron sulphate), found in most of the vugs, seems to carry molybdenum values since cores containing considerable jarosite but sparse molybdenite will still assay similarly to cores with more visible molybdenite.

Hole #8-2: This hole started in quartz monzonite and has intersected varying widths of dacite porphyry, alaskite, and aplite. Past 400 feet considerable faulting has been encountered and the rock has become vuggy with the typical assemblage of molybdenite, chalcopyrite, pyrite, and specularite in the vugs and fractures. Alteration has also become very strong, similarly to that of Hole II-81.

Hole II-10: Drilling was continued in this hole to a greater depth, presently at 1085', principally because it has penetrated well into the Oregon Hill area, and it was thought that further drilling in this hole might determine whether any surface drilling is justified. Two strong fault zones were cut, either of which could be the Oregon fault- the first a flat fault at 215' which correlates with that in the Indianapolis drift and the second a steep fault at 568'. Increased secondary orthoclase and silicification, accompanied by slightly increased molybdenite, were found over a 110-feet zone in the vicinity of the second fault. Beyond 600 feet the quartz monzonite contains progressively greater percentages of mafic minerals, hornblende and biotite, and the composition is changing gradually toward a diorite. This undoubtedly reflects a diminishing alteration southward. The No. 3 vein was intersected at 716'-720', but it was weakly mineralized. An interesting zone of disseminated sulphides in a vuggy quartz monzonite was found from 930'-1048'. The vugs mostly contained pyrite, quartz, and chlorite crystals, but sparse molybdenite and chalcopyrite could be seen. Increased quartz veining is now being found at the bottom of the hole, but little or no molybdenite is present with it. Inclusions of a peculiar mottled gneiss were logged between 800' and 950'. Assays of the few interesting zones will be run next month.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

August 9, 1963

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: July 31, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye Metals, Inc. - Blackhawk, Colorado
TERMS: as per contract
LOCATION: Apex, Colorado (Surface)

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# S-1	BX 653	745'	92'	4.20	$ 386.40
	Core Boxes		16 boxes	1.00	16.00
# S-2	EC 0	10	10'	4.60	46.00
	BX 10	458	448'	4.60	2,060.80
	Core Boxes		48 boxes	1.00	48.00
				TOTAL	$ 2,557.20

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
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MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: July 31, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Rye Metals, Inc. - Blackhawk, Colorado
TERMS: as per contract
LOCATION: Apex, Colorado (Underground)

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# 10	BX 762	1000	283'	$ 4.60	$1,094.80
	BX 1000	1085	85'	5.60	476.00
	Core Boxes		21 boxes	1.00	21.00
					$1,591.80

2114 CURTIS STREET

TELEPHONE MAin 3-1852

[redacted]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio [illegible]

Date July [illegible], 19[illegible]

[illegible] Inc.,
[illegible],
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
				Total Molybdenum as MoS2				
[illegible]								
1						0.0[illegible]		
2						0.10		
3						0.0[illegible]		
4						0.0[illegible]		
5						0.0[illegible]		
6	0.0[illegible]					0.0[illegible]		
7*						0.0[illegible]		
8						0.[illegible]		
9						0.076		
10						0.071		
11						0.071		
12						0.0[illegible]		
13**						0.039		
14*						0.033		NG
15						0.0[illegible]4		
16						0.0[illegible]		
17						0.0[illegible]		
18						0.0[illegible]		
19						0.044		
20						0.17		
21						0.092		
22						0.13		
23						0.17		
24						0.013		
25						0.18		

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ _____

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

2114 CURTIS STREET

TELEPHONE MAin 3-1852

[redacted]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio 7958

Date July 26, 1963.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
				Total Molybdenum as MoS2:				Total Mo as MoS2:
#26-				0.031%		Description:		
#27-				0.067%		#57-		0.11%
#28-				0.035%		#58-		0.079%
#29-				0.037%		#59-		0.074%
#30-				0.031%		#60-		0.053%
#31-				0.085%		#61-		0.098%
#32-				0.044%		#62-		0.083%
#33-				0.032%		#63-		0.11%
#34-				0.066%		#64-		0.059%
#35-				0.085%		#65-		0.10%
#36-				0.046%		#66-		0.054%
#37-				0.033%				
#38-				0.039%				
#39-				0.034%				
#40-				0.043%				
#41-				0.053%				
#42-				0.034%				
#43-				0.049%				
#44-				0.020%				
#45-				0.008%				
#46-				0.027%				
#47-				0.10%				
#48-				0.060%				
#49-				0.17%				
#50-				0.012%				
#51-				0.060%				
#52-				0.077%				
#53-				0.11%				
#54-				0.059%				
#55-				0.037%				
#56-				0.056%				

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 164.00

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

Building 20 - Federal Center
Denver 25, Colorado

July 19, 1963

Mr. Charles E. Melbye
Consultant to Rye Metals, Inc.
P. O. Box 309
2721 Lookout View Drive
Golden, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 22 1963

DATE	INITIALS	CODE
7/22	[illegible]	800
7/24	[illegible]	500

Re: OME-6231 (Molybdenum)
Amended Contract 2149
Rye Metals, Inc.
(Rye Molybdenum Mine)
Gilpin County, Colorado

Dear Mr. Melbye:

This constitutes Government approval for the surface diamond drill hole as shown on the map which accompanied your letter of July 18, 1963.

Government permission is also granted to go from Stage II to Stage III of the contract with respect to underground drifting. Please be advised that separate MME Form 61 for Stage III work should accompany your regular monthly voucher.

Sincerely yours,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

cc Mr. Robert E. Rye, President
Rye Metals, Inc.
Black Hawk, Colorado
Chief, Division of Field Operations, OME
Contract Corres. 2149
Chron
HMC/lm

CHARLES E. MELBYE AND ASSOCIATES

MINING - GEOLOGICAL - GEOPHYSICAL - ENGINEERS

OME
DEPARTMENT OF THE INTERIOR
JUL 18 1963
REGION III
DENVER, COLORADO

July 18, 1963

Mr. Hugh M. Connors
Acting Field Officer
OME, Region III
Building 23- Federal Center
Denver, Colorado

Re: OME-6231
Nye Metals, Inc.
Blackhawk, Colorado

Dear Mr. Connors:

This letter constitutes our formal request to drill the next surface hole in the Mountain Chief area as shown on the enclosed portion of the geologic map. This hole is planned to explore the quartz monzonite, aplite, and dacite porphyry about 750' south of the Mountain Chief mine and in the vicinity of a major N-S fault which shows intense limonite in a wide brecciated aone together with high molybdenum geochemical values. Some ferri-molybdite can be seen on the dumps of numerous prospect pits. By referring to the alteration overlays, it can be seen that this hole is within the favorable silicification, limonitic, and argillic alteration zones.

The hole is proposed to go due East at -45°. Depth will depend on results but should be 800-1000 feet.

Your consideration of this request will be appreciated.

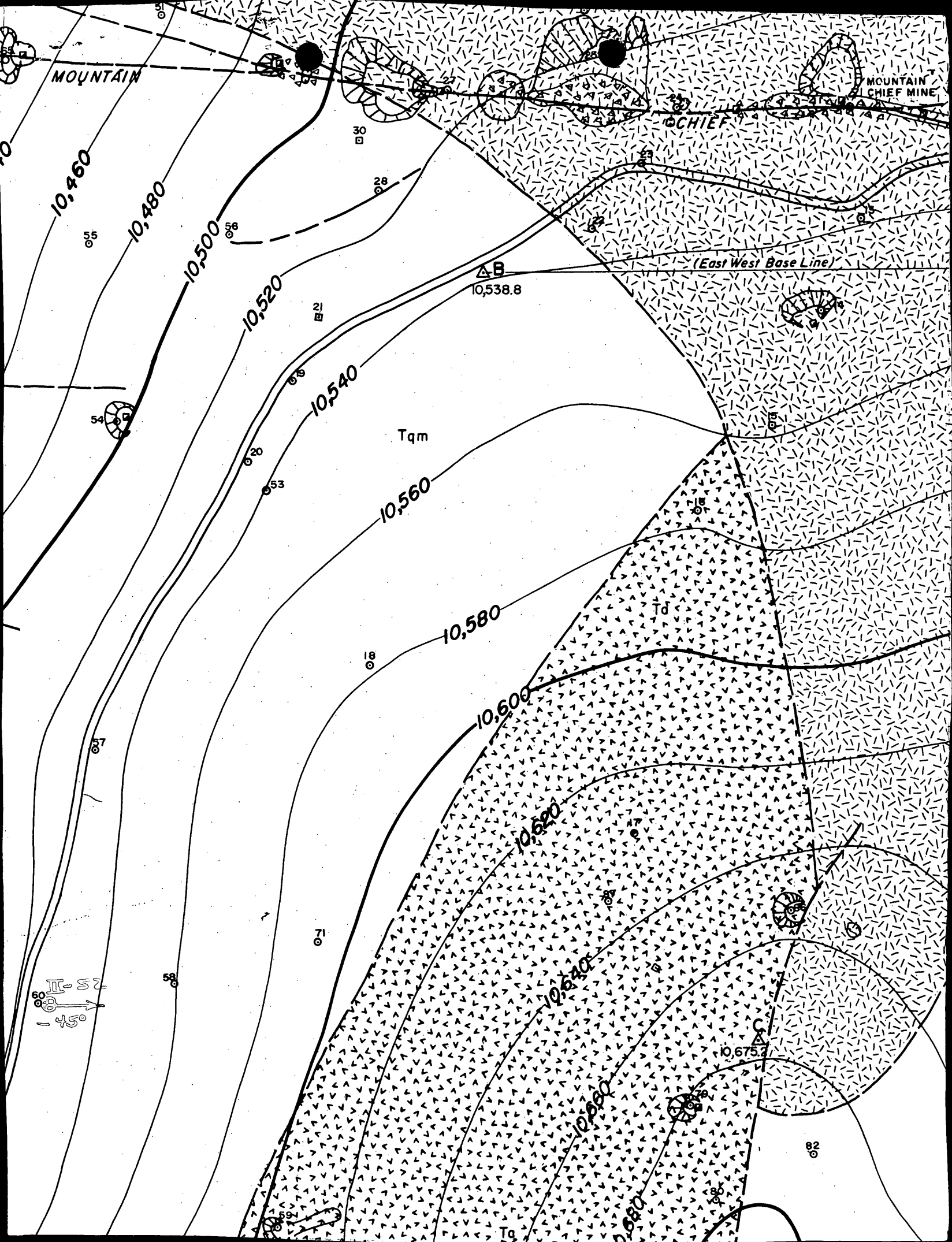
Sincerely,

Charles E. Melbye

Charles E. Melbye
Consultant to Nye Metals, Inc.

M/am
cc: Robert E. Nye

P. O. BOX 309 | 2721 LOOKOUT VIEW DRIVE GOLDEN, COLORADO | CRestview 9-1542


MOUNTAIN
MOUNTAIN CHIEF MINE
CHIEF
10,460
10,480
10,500
10,520
10,540
10,560
10,580
10,600
10,620
10,640
10,660
10,680
(East West Base Line)
B
10,538.8
C
10,675.2
Tqm
Td
Tq
II-52
-45°

PUBLIC VOUCHER FOR
SERVICES OTHER THAN PERSONAL

4-60 + 61

OFFICIAL FILE COPY
O. M. & E.
RECEIVED JUL 25 1963

DATE	INITIALS	CODE
7/25	JJ	610
		500

6231

U. S. [illegible]

Voucher prepared at [illegible] 2[illegible] D. C.

Payee's Account No. Discount Terms

TO [illegible]

FROM [illegible]

Contract No. Req. No.
Shipped from Weight

No. and Date of Order	Date of Delivery or Service	[illegible]	[illegible]	[illegible]

Cont. 2149
Reg. III [illegible]

540.00

540.00

540.00

Date

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

July 19, 1963

OFFICIAL FILE COPY
O. M. E
RECEIVED JUL 22 1963

DATE	INITIALS	
7/22	WJD	
"	Brinsmed	800
	Murphy	500

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Amended Contract 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

Attached are the following:

1. Claim Map of the Mountain Chief Area

2. Surface Geologic Map Mountain Chief Area

3. Alteration Overlay Map Silicification and Quartz Veining (Moderate to Strong) Mountain Chief Area

4. Alteration Overlay Map Argillic Alteration (Weak to Moderate) Mountain Chief Area

5. Alteration Overlay Map Limonitic Alteration (Moderate to Strong)

One copy of each map is being retained in our file.

Hugh M. Connors

Hugh M. Connors

Attachments

Maps in Folder.

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

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 15 1963

DATE	INITIALS	CODE
7/15	CWJ	800
"	Transferred	120
7/15	Murphy	500

July 12, 1963

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Amended Contract 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

Attached are two longitudinal sections showing the ore reserves at the Nye mine as calculated by Charles Melbye, company geologist.

Today I passed the July Voucher for this project but it did not contain the claim map, geology map, and alteration overlay. Mr. Melbye stated that he will bring these maps to this office before next Friday and I will forward them to you.

Mr. Melbye said that the Duval Sulfur Company are now becoming interested in the property with the thought of possible purchase and have taken so much of his time that he didn't get to finish the maps.

Hugh M. Connors

Hugh M. Connors

Attachments

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Monthly File

Docket No. 6231
Contract No. 14-23-090-2149 Stage II
Contract Amount $278,225.00
Gov't. Participation % 50 $139,113.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of June, 1963

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 711, Merchants Bank Building, Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	$5,729.00	$83,011.00	$88,740.00			
Crosscutting	680.00	4,063.00	4,743.00			
Drilling	4,766.90	15,298.10	20,065.00			
Timbering	1,264.00	11,504.00	12,768.00			
X-cut, Drill Stae.	-0-	3,600.00	3,600.00			
xxxxxxxxxComp.Air	261.80	1,364.00	1,625.80			
(2) Personal Services:						
xxxxxxxxxxxx Caring & Cementg.	569.50	1,088.00	1,657.50			
Outside Consultants						
xxxIncid. Allow.	338.70	744.00	1,082.70			
(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	116.00	250.00	366.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	135.00	318.00	453.00			
TOTALS	$13,660.90	121,240.10	135,101.00	13860.90	121,240.10	135,101.00

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

Date July 11, 1963 *Payee Nye Metals, Inc.

Per Robert C. Nye 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: 6930.45

$ ~~6,390.45~~ N.G.

Signature BJB
(Authorized Certifying Officer)

Date 7/17/63 Vou. No.

(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. 2149

Signature Hugh M. Connors Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 7-12-63

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

5 60861

OFFICIAL FILE COPY
O. M. E.
RECEIVED JUL 18 1963
DATE INITIALS

OPERATOR'S PROGRESS REPORT

For Month of June, 1963

Docket No. 6231

Operator's Name Nye Metals, Inc.

Contract No. 14-23-090- 2149 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	Ft	168.5	2610	$ 88,740.00			500
Crosscutting	Ft	20	139.5	4,743.00			
~~XXXXX~~Surf.Drlg. NX	Ft	400	400	1,840.00			
~~XXXX~~ Surf.Drlg. BX	Ft	233	233	932.00			
~~XXXX~~Surf.Drlg.Ovb.	Ft	20	20	114.00			
Other Underground Timber	Ft	158	1596	12,768.00			
Drilling, Core Diamond NX 0-500	Ft	-0-	1144	4,747.60			
NX 500-750 ~~XXXX~~	Ft	-0-	120	528.00			
Drilling, ~~XXXXX~~ BX 0-500 -Diamond	Ft	214	1114	4,710.50			
BX 500-750 ~~XXXX~~	Ft	250	674	2,729.70			
BX 750 + ~~XXX~~	Ft	12	162	745.20			
AX ~~XXXXXX~~	Ft	-0-	715	3,718.00			
Miscellaneous Casg. & Cement.	Br	67	195	1,657.50			
X-cut, Drill Stns.	Ft	-0-	120	3,600.00			
Roads and Trails							
~~XXXXX~~ Incid. Allow.	Ft	1129	3609	1,082.70			
~~XXXXXX~~ Comp. Air	Ft	476	2956	1,625.80			
~~XXXXXX~~Core Boxes	Ea	135	453	453.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				366.00			
TOTAL TO DATE (per MME Form 60)				$135,101.00			$135,101.00

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 July 11, 1963 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Conroe

Title Acting Field Officer
Government Representative

Date July 12, 1963

(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 - JUNE, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for June, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

The entire footage of 168.5 feet of drifting and 20 feet of crosscutting this month was done on the Indianapolis vein system. The ground, although not extremely bad, has been sufficiently faulted and broken to require timber. Crosscutting on the south side of the Oregon fault has, of course, been off the vein and has required no timber. This 168.5 feet of drifting completes the 1000 feet allowed under Stage II. All that remains is 150.5 feet of crosscutting or drifting on cross-veins.

Core Drilling

Hole No. II-10 has been continued all month and is now at 762 feet. Extremely faulted and altered ground has made drilling very slow and necessitated 45 hours of cementing time. Total underground drilling footage was 476 feet. Surface drilling was started in the Mountain Chief area, and the first hole, II-S1, is at 653 feet. Total drilling footage for the month was 1129 feet.

Overall drilling progress underground has averaged about 18 feet per day but part of this was done at only one shift per day. Three surface shifts have been used most of the time, but the exact number from which to calculate progress was not readily available while preparing this report. Since Hole II-10 is nearly completed, core recovery will be calculated when the hole is finished. Hole II-S1 has averaged 83.3% recovery thus far. Hole II-10 is still being drilled BX size, and II-S1 was started NX to 420 feet and was then changed to BX.

GEOLOGY AND ASSAY RESULTS

Assays this month were done partly by American Metal Climax, Inc. at no cost, but because of their large present backlog of work, a number of samples had to be sent to Charles O. Parker and Co. Additional assays were completed on Hole Nos. II-3 and II-4.

Indianapolis Vein System

Drifting along the vein system this month has verified the suspected character of the vein to the south, that is, it is no longer one definite vein but rather a "horsetail" zone, in which the system is composed of many parallel mineralized fractures with narrow quartz veinlets and t e normal chloritic alteration. Some of these fractures die out in the hangingwall and other stronger ones appear in the footwall. Molybdenum mineralization between the fractures in this south end is not strong except for the 65-foot zone between Stas. T70 and T73, where numerous discontinuous quartz-molybdenite veinlets can be seen in the walls. Assays will be run on this zone next month. Fracturing and chloritic alteration have continued to be quite intense up to the wide post-mineral fault at Sta. T74, which has displaced the vein system again. Drag indicates left or eastward displacement and crosscutting is being started in that direction. This fault roughly coincides with the projected position of the Oregon fault from surface on Oregon Hill, although numerous cross-faults in the previous 150 feet may be part of the zone.

Indiana Vein System

A few additional assays from the last drifting on this vein are shown on the enclosed map. although there was no new advance. These assays verify the low-grade nature of the vein in this area and our reason for transferring the footage to the Indianapolis vein.

Core Drilling

Hole No. II-4- A few assays were completed on this hole and are shown on the enclosed log. The first three assays are from the first vein zone at about 455 feet and the second group from the projected Indianapolis vein zone. A three-foot width ran .081%. althouhg a one-foot width would assay considerably higher.

Hole No. II-10- Progress on this hole has been slow since it has penetrated the entire Oregon fault zone and related faults. Chloritization has been intense throughout, and in certain zones, the quartz monzonite is completely altered to clay minerals and chlorite. Silicification and quartz veining is only weak to moderate, which probably

explains the generally less disseminated molybdenite. Since the hole is nearly completed, the drill log with assays will be turned in with the July report.

Hole No. II-S1- This first surface hole is being drilled in the Mountain Chief area due south at -35°. Nearly the entire hole exhibits a healed breccia type of rock composed of blocks of pre-Cambrian alaskite and quartz-biotite gneiss and Tertiary dacite porphyry and quartz monzonite. Later faulting and brecciation has again occurred in which the mineralization has been emplaced. This consists of molybdenite, chalcopyrite, pyrite, and specularite. The quantities of chalcopyrite are notably greater than has been seen in the mine area. In addition to pyrite along the fractures, there is a disseminated pervasive pyritization. Sulphides often comprise 10-15% of the rock. Alteration consists of a general blanket silicification and quartz veining, argillization of the feldspars particularly in the dacite porphyry, varying amounts of secondary orthoclase often difficult to determine, and some sericitization along fractures. Another alteration feature is the vuggy nature of the rock, in which the vugs are usually filled with one or more of the sulphides, quartz, and specularite. A number of wide mineralized zones have been cut in which the molybdenite and chalcopyrite are truly disseminated. The widest is that from 433 - 654 feet. Host rock is generally what appears to be pre-Cambrian alaskite with numerous dacite porphyry dikes. However, there is a possibility that the alaskite could represent an alteration rock type from introduced quartz and orthoclase. The wide nature of the breccia zone which is not localized along one particular fault suggests a breccia pipe type of deposit, which has very favorable possibilities for a large tonnage low-grade type of molybdenum-copper deposit.

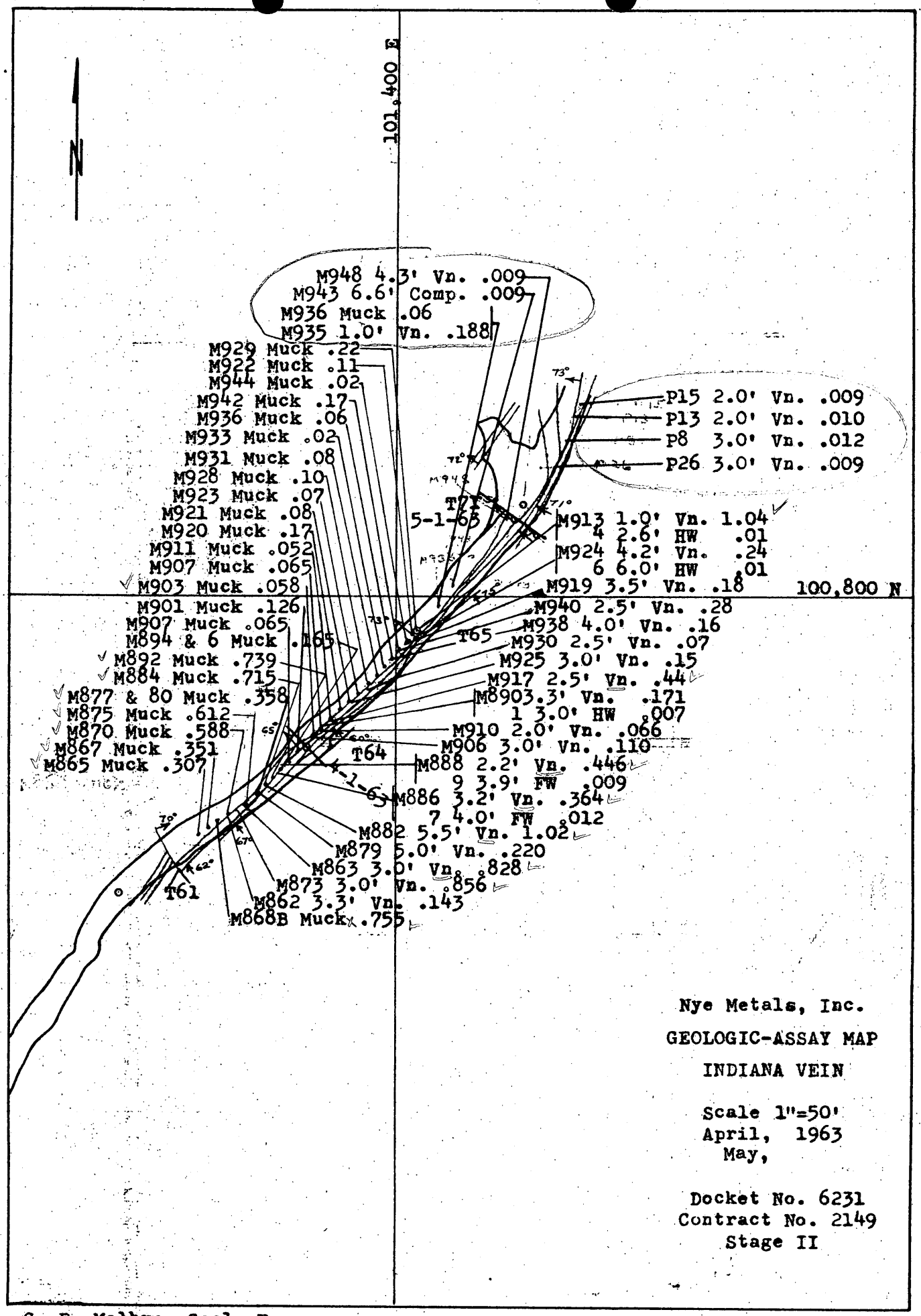
A surface geological map, claim map, and alteration overlays for the Mountain Chief area are now complete and are being submitted with this report.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

July 11, 1963



Nye Metals, Inc.

GEOLOGIC-ASSAY MAP

INDIANA VEIN

Scale 1"=50'
April, 1963
May,

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
P-1	0.012
P-2	0.016
P-3	0.016
P-4	0.019
P-5	0.017
P-6	0.019
P-7	0.021
P-8	0.012
P-9	0.019
P-10	0.007
P-11	0.007
P-12	0.009
P-13	0.010
P-14	0.010
P-15	0.009
P-16	0.089
P-17	0.019
P-18	0.012
P-19	0.126
P-20	0.017
P-21	0.017
P-22	0.007
P-23	0.005
P-24	0.005
M-935	0.188
M-937	0.014
M-943	0.009
M-945	0.140
M-946	0.197
M-947	0.446
M-948	0.009
M-999	0.019
M-1000	0.042

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: June 30, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Nye-Apex -Underground Nye Metals, Inc.
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# 10	BX 286	500	214'	@ 3.80	@ 813.20
	BX 500	750	250'	4.05	1,012.50
	BX 750	762	12'	4.60	55.20
	Cement time		45 hrs.	8.50	382.50
	Lumnite		1 sk.	7.20	7.20
	Core Boxes		77 boxes	1.00	77.00
				Total	$2,347.60

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
AUBURN, CALIF.
ST. LOUIS

INVOICE DATE: June 30, 1963
ORDER NUMBER: 2-232
INVOICE NUMBER:
CONTRACT: Nye-Apex -Surface Nye Metals, Inc.
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# 1	NC 0	20	20'	5.70	$ 114.00
	BX 20	420	400'	4.60	1,840.00
	BX 420	500	80'	4.00	320.00
	BX 500	653	153'	4.20	642.60
	Casing time		10 hrs.	8.50	85.00
	Cement time		12.hrs.	8.50	102.00
	Lumnite		5 sks.	7.20	36.00
	Cal Seal		1 sk.	10.70	10.70
	Core Boxes		58	1.00	58.00
					$3,208.30

2114 CURTIS STREET

TELEPHONE MAIn 3-1852

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio 7945

Date June 27, 1963.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
Samples by C. E. Melbye:								
				Total Molybdenum as MoS2:				
P-33				0.32%				
P-34				0.22%				
P-35				0.01%				
P-36				0.023%				
P-37				0.081%				
P-38				0.022%				
P-39				0.064%				
P-40				0.028%				
P-41				0.082%				
P-42				0.013%				
P-43				0.010%				
P-44				0.013%				
P-45				0.029%				

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 52.00

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

2114 CURTIS STREET

TELEPHONE MAin 3-1852

[redacted]

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio 7947

Date July 2, 1963.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
				Total Molybdenum as MoS2:				
P-25				0.007%				
P-26				0.009%				
P-27				0.055%				
P-31				0.34%				
P-32				0.13%				
P-~~X~~ 61				0.084%				
P-62				0.007%				
P-63				0.010%				
M P-92892				0.13%				
P-887 (887)				0.012%				
P-890				0.35%				
P-896				0.084%				
P-901				0.15%				
P-906				0.11%				
P-910				0.060%				
P-911				0.038%				

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 64.00

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

OME

MME FORM 61
SEPT. 1959

DEPARTMENT OF THE INTERIOR

JUN 10 1963

REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

JUN 20 1963

Murphy

OPERATOR'S PROGRESS REPORT

For Month of May, 1963

Docket No. 6851

Operator's Name Rio Potosi, Inc.

Contract No. 14-23-090-[illegible]

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	Ft	95	601.5	103,011.00			
Crosscutting	Ft	29.5	119.5	4,063.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	Ft	160.5	1038	11,500.00			
Drilling, Core-Diamond 0-250	Ft	926	1106	4,747.00			
250-500	Ft	0	123	528.00	✓		
Drilling, ~~Non-Core~~-Diamond 0-250	Ft	203	900	3,097.30			
500-750 ~~Rotary~~	Ft	118	424	1,717.20			
750-1000 ~~Air~~ Chain	Ft	0	100	600.00			
~~Air~~ Percussion	Ft	0	715	5,715.00			
Core-Diamond	Ft	71	110	1,000.00			
Miscellaneous X-cut, drill core	Ft	30	180	3,000.00			
Roads and Trails							
~~Mechanical~~ Hand	Ft	500	2400	740.00			
Stripping ~~Hand~~	Ft	2400	2400	1,000.00			
Trenching ~~Core boxes~~	Ea	90	310	310.00			
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				250.00			
TOTAL TO DATE *(per MME Form 60)*				$121,240.10			$121,240.10

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 May 6, 1963 Operator Rio Potosi, Inc.

Per Robert E. Nye 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. Lemons

Title Acting Field Officer
Government Representative

Date 6-11-63

(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.

OME
DEPARTMENT OF THE INTER

MME FORM 60
SEPT. 1959

JUN 10 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 5149
14-23-090-[illegible]
Contract Amount $[illegible]
Gov't. Participation [illegible]
Mineral(s) [illegible]

OPERATOR'S MONTHLY VOUCHER

For Month of May, 1963

Operator's Name Eye Metals, Inc.
Address Blackhawk, Colo. or Box 711, Corporate Bank Bldg., Minneapolis, Ind.

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	[illegible]	[illegible]	[illegible]			
Drifting	[illegible]	[illegible]	[illegible]			
Crosscutting	1,003.00	3,000.00	4,003.00			
Drilling	[illegible]	11,[illegible]	15,[illegible]			
Electric	[illegible]	10,000.00	11,[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]			
Compressed air	[illegible]	—	[illegible]			
(2) Personal Services: [illegible]	505.50	404.50	1,000.00			
Supervision & Technical						
Outside Consultants						
[illegible] Labor	671.00	672.00	740.00			
(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	—	250.00	250.00			
Analytical Work						
Payroll Taxes						
Employee's Liability Ins.	50.00	250.00	310.00			
[illegible]						
TOTALS	12,362.50	108,877.60	121,240.10	12,362.50	108,877.60	121,240.10

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

Date May 6, 1963 *Payee Eye Metals, Inc.

Per Robert E. Eye 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:

$ 6,181.25

Signature BHB
(Authorized Certifying Officer)

Date 6/14/63 Vou. No. 6582

(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. 2149

Signature Hugh M. Lemmon Title _____ Date 6-11-63

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Lemmon Title Acting Field Office Date 6-11-63

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.

NARRATIVE REPORT - MAY, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for May, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Advance was slower in this heading during May, since considerable time was spent in putting in a large drill station for Holes II-9 and II-10, as well as some additional footage for tail drift to switch cars. Fault displacement of the vein has necessitated cross-cutting in fairly bad ground. Continual timbering was required, and portions of previous untimbered drift needed timbering for safety. Total advance was 39' of drift and 29.5' of crosscut, in addition to 41' of crosscut at the Operator's expense and 22' of slabbing for the drill station. The latter crosscut and slab area will all be utilized as drill station.

Indiana Vein System

Conditions were similar in this drift, in that the station for Hole II-12 was put in. Because of faulted ground, the station and drift all required timbering. Advance on the vein was 56', and the drill station-tail drift totaled 36', of which only 15 feet is billed for the station. Near the end of the month, work was stopped pending approval to transfer remaining footage to the Indianapolis vein.

Core Drilling

Hole II-4 was continued another 18 feet to a total of 694 feet.

Hole No. II-3 was completed during the month to a depth of 600 feet, thus completing the three holes from the main adit drill station. Hole No. II-10 was started and is now at 286 feet. Total footage for the month was 904 feet.

Drilling progress averaged about 35 feet per day, the same as during April. Casing and cementing time was 34 hours on No. II-4, 21 hours on No. II-3 and 41 hours thus far on No. II-10. Hole No. II-10 has been in a fault zone most of the way with extremely difficult drilling. Core recovery continues to be good: 93.9% in Hole II-4, 90.6% in Hole II-3, and 97.6% thus far in Hole II-10. Hole II-3 was drilled NX size to 335 feet and completed BX size. Hole II-10 could be drilled NX only to 191 feet, due to severe rock brecciation, and is presently being continued BX size.

Access roads have been completed to the Mountain Chief area, using the Operator's D-8 bulldozer. Upon discussions at the end of the month with Mr. Romsle, OME Field Officer, it became evident that bulldozer work is included under Independent contracts rather than Fixed Unit Costs. Since the Operator has always owned a D - 8 bulldozer and it was so stated in our application, a request for amendment will be submitted very shortly.

GEOLOGY AND ASSAY RESULTS

Assays were run by American Metal Climax at no cost. These are all reported on the Hole II-5 assay log.

Indianapolis Vein System

Upon intersecting the northeast fault which displaced the Indianapolis vein, cross-cutting was done to the left or east inasmuch as fault drag indicated a left movement. In about 30 feet the vein was cross-cut and drifting resumed again. The entire advance has been in a highly sheared, brecciated, and chloritized zone. Width of the vein is only from 4-6", but a number of random quartz-molybdenite veinlets are beginning to appear in the walls. Vein dip is about vertical. Furthermore a north-dipping cross-vein, about 0.5' wide and well mineralized, was cut a few feet from the breast. This is parallel to the No. 1 vein but is not far enough south to coincide with the No. 2 vein. The character of the vein and wallrock mineralization appears to be improving southward. Disseminated Molybdenum was also noted throughout the tail drift.

Indiana Vein System

Faulting along this vein system has continued very strong, but the

quartz-orthoclase-molybdenum vein material has diminished considerably, hence our decision to request approval to transfer remaining footage under Stage II to the Indianapolis drift. Dip has remained at about 71°, but the strike is swinging westward.

Core Drilling

Hole No. II-5

Assay results on a sizeable part of the mineralized zone in this hole are included with this report. They are all quite low except for a zone from 235' - 245'. Further analysis must await additional assays.

Hole No. II-4

The last 18 feet disclosed nothing of particular interest.

Hole No. II-3

The most significant zone intersected was that from 70-157', a zone of steep-dipping mineralized fractures and quartz veinlets with moderate to strong secondary orthoclase alteration. True width would be 40 feet. Four narrow 2-inch quartz veins with numerous veinlets between were cut over a width of 9 feet. These were of strong enough intensity to indicate a vein structure, but correlation of these with known veins is surprisingly very difficult. Tentatively, these are believed to be part of a mineralized fault zone cutting the Indiana vein just south of the Dakota fault. A large pre-Cambrian gneiss and ulaskite inclusion was cut about halfway in the hole, and it was mineralized in a brecciated zone along the north side. Other zone of significant mineralization, secondary orthoclase, and silicification were found, the most notable near a fault zone at about 475 feet. This is very possibly a branch of the Dakota fault.

Hole No. II-10

Although this hole has not advanced far enough for any conclusions, the main feature of note thus far is the major fault accompanying the No. 1 vein, which has accounted for the slow drilling. Also, the cross vein near the drift breast was cut from 163' - 166' where it is moderately mineralized. Alteration has been mainly an intense chloritization and argillization throughout the fault zone.

Mountain Chief Area

Intensive plane-table surface mapping of the Mountain Chief area is now complete and maps are being drafted, upon which to intelligently base all drilling. Enough positive claim covers were recovered in the field to accurately locate all claims. Acquisition of adjoining

claims is being pushed with all diligence, and four claims have been acquired by tax sale.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

June 6, 1963

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: May 31, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Nye Metals, Inc.
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
#7	BX 676	694	18'	$ 4.05	$ 72.90
	Casing time		8 hrs.	8.50	68.00
	~~Casing time~~				$ 140.90
#3	NX 0	10	10'	4.40	44.00
	BX 10	335	325'	4.15	1,348.75
	BX 335	500	165'	3.80	627.00
	BX 500	600	100'	4.05	405.00
	Cement time		9 hrs.	8.50	76.50
	Lumnite Cement		2 sks.	7.20	14.40
	Casing time		13 hrs.	8.50	110.50
	Core Boxes		58 boxes	1.00	58.00
					$2,684.15
#10	NX 0	10	10'	4.40	44.00
	BX 10	191	181'	4.15	751.15
	BX 191	286	95'	3.80	361.00
	Cement time		29 hrs.	8.50	246.50
	Gel Seal		2 sks.	10.70	21.40
	Lumnite		2 sks.	7.20	14.40
	Casing time		12 hrs.	8.50	102.00
					$1,540.45
				TOTAL	$4,365.15

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

Grievard
~~Murphy~~

May 20, 1963

ADMINISTRATIVE SUSPENSION STATEMENT

Name and Address of Payee: Eye Metals Inc.,
Room 711 Merchants Bank Building,
Indianapolis, Indiana

Amount Claimed:	Differences (Explained Below)	Amount Approved
$ 17,618.10	$ 613.20	$ 17,004.90 (Gov't. Share $ 8,502.45)
Bu. Voucher No.	**Payee's Invoice No.**	**Period**
6044	OME 623, Contract 2149	April 1963

EXPLANATION

Amount claimed for compresses air disallowed pending execution of a proposed amendment.

OFFICIAL FILE COPY
O. M. E
RECEIVED MAY 20 1963

DATE	[illegible]	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 Unit

Title

74165

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E
RECEIVED MAY 17 1963

DATE	INITIALS	CODE
May 14, 1963		
5/17		800
		500
5/21		

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6251 (Molybdenum)
Contract No. 2149
Rye Metals, Inc.
(Rye Molybdenum mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for April 1963

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, two maps showing the drifting performed during April on the Indianapolis and Indiana vein, a cross section showing Drill Holes II-4 and II-5, and copies of the assay results by the American Metal Climax, Inc. and the Charles O. Parker & Co.

I consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government.

Stages II and III of this contract have both Fixed Costs and Actual Costs and the Boyles Brothers bill for drilling, casing, cementing, and core boxes is attached.

It is recommended that the cost of compressed air claimed on MME Form 60, $613.20, be suspended pending execution of a proposed amendment. Subject to your verification of the arithmetical accuracy of the report, it is also recommended that the Operator be reimbursed $8,502.45 which is 50 percent of $17,004.90, the amount claimed on MME Form 60 less the suspended $613.20.

Original signed by
T. M. Romslo
T. M. Romslo

Attachments
cc Chief, Division of Field Operations, OME
Vouchers Contract No. 2149
Chron
TMR/lm

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of April, 1963 Docket No. 6231

Operator's Name Nyo Metals, Inc. Contract No. 14-23-090- 2149 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	Ft	335	2346.5	$ 79,781.00			
Crosscutting	Ft	-0-	90	3,060.00			
Raising							
Shafts							
Winzes							
Other Underground: Timber	Ft	135.5	1277.5	10,220.00			
Drilling, Core-Diamond	Ft	118	618	2,964.70			
Drilling, Non-core-Diamond: Rotary	Ft	0	120	920.00			
Churn	Ft	382	640	2,509.30			
Percussion	Ft	226	306	1,239.30			
	Ft	190	190	690.00			
	Ft	-0-	715	3,715.00			
Miscellaneous	Hr	49	57	434.50			
	Ft	-0-	99	2,700.00			
Roads and Trails							
Stripping: Recid. Allow.	Ft	876	1576	472.80			
Trenching: Comp. Air	Ft	876	1576	1,103.20			
Test Pitting: Core Donor	Ea	160	260	860.00			
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				250.00			
TOTAL TO DATE *(per MME Form 60)*				$109,900.80			

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 May 6, 1963 Operator Nyo Metals, Inc.

Per Robert E. Nye 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 T M Romslo

Title Mining Engineer
Government Representative

Date 5-14-63

(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.

MME, FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $278,225.00
Gov't. Participation % 50 $139,113.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of April, 1963

Operator's Name Nye Metals, Inc., Blackhawk, Colorado or
Address Room 711, Merchants Bank Building, Indianapolis, Ind.

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						
Drifting	$11,390.00	$68,391.00	$79,781.00			
Crosscutting	-0-	3,060.00	3,060.00			
Drilling	3,546.60	8,102.70	11,649.30			
Timbering	1,084.00	9,136.00	10,220.00			
x-cut, drill stas.	-0-	2,700.00	2,700.00			
Compressed Air	613.20	490.00	1,103.20			
(2) Personal Services:						
Casing & Cements.	416.50	68.00	484.50			
Supervision & Technical						
Outside Consultants						
xxxxIncid. Allow.	262.80	210.00	472.80			
Labor						
(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	145.00	105.00	250.00			
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	160.00	100.00	260.00			
TOTALS	$17,618.10	$92,362.70	$109,980.80	17,004.90	91,872.70	108,877.60

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

Date May 6, 1963 *Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 8,502.45

Signature BWB
(Authorized Certifying Officer)

Date 5/17/63 Vou. No. 6044

(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. 2149

Signature M Romolo Title Acting Field Officer Date 5-14-63

Approved by OME Executive Officer or Alternate:

Signature M Romolo Title Acting Field Officer Date 5-14-63

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.

NARRATIVE REPORT - APRIL, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for April, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Drifting on this vein was accelerated during April, and 216 feet advance was made. Only the last 16.5 feet required timber, but timber will very likely continue to be required for some time. No unusual problems were encountered.

Indiana Vein System

Although the Indiana drift still requires continual timbering, the ground condition is improving. Total advance was 119 feet.

Core Drilling

Hole No. II-5 was advanced another 200 feet to the specified depth of 900 feet. Hole No. II-4, also from the main adit drill station, was drilled to 676 feet. Total footage for the month was 876 feet.

Drilling progress averaged about 35 feet per day. Casing and cementing time was comparable for each hole; 31 hours for #II-5 and 26 hours thus far on #II-4. Core recovery was excellent, averaging 93.5% in Hole II-5 and 94.3% thus far in Hole II-4. Hole II-5 was completed at BX size. Hole II-4 was started NX size and had to be switched to BX size at 118 feet due to severely faulted ground. It will undoubtedly be completed at BX size also. Sludge samples are collected when necessary.

GEOLOGY AND ASSAY RESULTS

Some assays were again run at no cost by American Metals Climax, Inc., but since their lab has been running at capacity with their own samples, one batch was sent to Charles O. Parker and Company this month. Because of this delay in the Climax assaying, no core assays were completed during April, but a large number will be reported during May. It is expected that the Climax lab will be able to give better service this month.

Indianapolis Vein System

Some of the muck samples from the Indianapolis drift will not be assayed because mineralization was not regarded as significant. The numerous muck samples shown on the assay map indicate the grade for the next 100 feet. However, the last 50-75 feet in the vicinity of No. 1 vein has improved and will be assayed and reported in May.

The vein system has continued as a series of apparent en echelon quartz-molybdenite veinlets, which often die out into the hanging-wall and another appears in the footwall. Widths have averaged about 2 inches and never over 6 inches. However, just north of Sta. T68 a distinct improvement has been noted; the vein or gouge zone is about 2 feet wide with many quartz veinlets and with numerous parallel molybdenite-coated fractures in both walls. Also, at Sta. T68 a northeast vein was encountered which is undoubtedly No. 1 vein at surface on Oregon Hill. It consists of a strong fault zone and well mineralized gouge and quartz stringers at Sta. T68 + 25. A northeast fault, probably part of the No. 1 fault-vein system, has displaced the Indianapolis vein. Slight drag indicates eastward movement and cross-cutting is being started. Disseminated mineralization in the wallrock has notably increased in the last 75 feet.

Indiana Vein System

The ore shoot encountered during March was drifted on and good values persisted for 75 feet. From Sta. T64 to the face the molybdenite content has been erratic and the quartz vein has split into hanging-wall and footwall veins, each of which are never over a foot wide. The dip has steepend and varies from 65° - 73°. Wallrock mineralization occurs mostly in the footwall.

Core Drilling

Please again consult the geological legend included with the March report for symbols and colors shown on the enclosed drill log.

Hole No. II-5

This first hole was continued to the specified depth of 900 feet to be certain that no important mineralized faults or quartz monzonite dikes were present near the east contact of the Apex stock. This hole penetrated 230 feet into the quartz-biotite gneiss footwall and clearly illustrated that mineralization rapidly diminishes outside the stock. A few quartz monzonite dikes were cut. However, along the entire hole within the stock, nearly every fracture contains some molybdenite and the significant mineralization is indicated on the log and was discussed in the last report.

Hole No. II-4

The angle of this hole was -20° compared to -40° for No. II-5; and the bearing was more northerly, but the two are near enough to be compared on the same enclosed cross-section. The same wide zone of secondary orthoclase, silicification, and significant molybdenite mineralization was cut from 114-460 feet, with a comparable true width of 250 feet. However, the last 70 feet was not as well-mineralized as the comparable zone in Hole II-5. Again, secondary orthoclase was most widespread, occurring as veinlets, crystals, and irregular masses, with the strong silicification occurring in more restricted zones mostly as veinlets. Strong chloritization is mainly fault localized but may occur as blanket alteration over wider zones. Its direct relationship to mineralization is less pronounced than that of orthoclase and silica. Numerous quartz-biotite gneiss and glaskite inclusions were also found.

The Indianapolis vein was intersected from 579' - 585' where it is a 5-foot zone of well-mineralized quartz veinlets and chloritic gouge. Disseminated molybdenite is abundant in the walls for a width of 30 feet. The west one of the two veins found in Hole II-5 is apparently the Indianapolis vein, based on the new 3-point projection. Another unexpected vein was cut at 455-459'. It is 3 feet wide and again well-mineralized. No comparable one was found in the adit above but it correlates with a narrow 2-inch vein along a well-defined fault structure. Since the veins normally pinch and swell, this is very likely the same but just at a narrow portion.

The east contact of the Apex stock was intersected at 637 feet, where mineralization again diminishes in the quartz-biotite gneiss.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

May 6, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2	Sample No.	%MoS_2
M-860	0.585	M-887	0.012
M-861	0.051	M-888	0.446
M-862	0.143	M-889	0.009
M-863	0.828	M-890	0.171
M-864	0.110	M-891	0.007
M-865	0.307	M-892	0.739
M-866	0.077	M-893	0.017
M-867	0.351	M-894	0.216
M-868A	0.021	M-895	0.014
M-868B	0.755	M-896	0.115
M-869	0.755	M-897	0.009
M-870	0.588	M-898	0.112
M-871	0.044	M-899	0.010
M-872	0.056	M-900	0.014
M-873	0.856	M-901	0.126
M-874	0.035	M-902	0.047
M-875	0.612	M-903	0.058
M-876	0.051	M-904	0.031
M-877	0.216	M-905	0.014
M-878	0.042	M-906	0.110
M-879	0.220	M-907	0.065
M-880	0.499	M-908	0.007
M-881	0.023	M-909	0.026
M-882	1.02	M-910	0.066
M-883	0.030	M-911	0.052
M-884	0.715	M-912	0.017
M-886	0.364		

$\frac{.354}{27} = .346$

$\frac{.410}{26}$ .1465

2114 CURTIS STREET

TELEPHONE MAin 3-1852

CHEMISTS • ASSAYERS • ENGINEERS

DENVER 5, COLORADO

Folio 7914

Date April 18, 1963.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
Molybdenum Sulfide (MoS2)								
#913				1.04%				
#914				0.01%				
#915				0.10%				
#916				0.08%				
#917				0.44%				
#918				0.08%				
#919				0.18%				
#920				0.17%				
#921				0.08%				
#922				0.11%				
#923				0.07%				
#924				0.24%				
#925				0.15%				
#926				0.01%				
#927				0.02%				
#928				0.10%				
#929				0.22%				
#930				0.07%				
#931				0.08%				
#932				0.10%				
#933				0.02%				
#934				0.04%				
#936				0.06%				
#938				0.16%				
#939				0.03%				
#940				0.28%				
#941				0.06%				
#942				0.17%				
#944				0.02%				

Avg: 4.19/29 = 0.144% MoS2

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 145.00

CHARLES O. PARKER & CO.

CHEMISTS, ASSAYERS and ENGINEERS

3-60761

OFFICIAL FILE COPY
O. M. E
RECEIVED APR 22 1963

Building 20 - Federal Center
Denver 25, Colorado

DATE April 10, 1963

4/22/63		110
		500
		500

AIRMAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for March 1963

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, two maps showing the drifting performed during March on the Indianapolis and Indiana vein, a Geological Legend, a cross section showing Drill Hole II-5, and a copy of the assay results by American Metal Climax, Inc.

I consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government.

Stages II and III of this contract have both Fixed Costs and Actual Costs and the Boyles Brothers bill for drilling and casing is attached.

On my regular inspection of this property, I inspected the core from Diamond Drill Hole II-5 and the core showed more molybdenum than any hole we have drilled thus far. Assays of the core from this hole should be completed during April 1963.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $6,641.50 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments

MME
DEPARTMENT OF THE INTERIOR
MME FORM 61
SEPT. 1959

APR 9 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT

For Month of March, 1963 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090-2149 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	Ft	256	2011.5	$68,391.00			
Crosscutting	Ft	0	90	3,060.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	Ft	110.5	1142	9,136.00			
Drilling, Core-Diamond NX 0-500'	Ft	500	500	2,075.00			
NX ~~xxxx~~ 500-750	Ft	120	120	528.00			
Drilling, ~~xx~~ BX 0-500 core-Diamond	Ft	80	338	1,781.70			
AX ~~xxxx~~	Ft	0	715	3,718.00			
Casing ~~xxx~~	Hrs	8	8	68.00			
Percussion							
Miscellaneous Core boxes	Ea	0	100	100.00			
X-cut, Drill etc.	Ft	0	90	2,700.00			
Roads and Trails							
~~xxxx~~ Incid. Allow.	Ft	700	700	210.00			
~~xxxx~~ Comp. Air	Ft	700	700	490.00			
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$92,362.70			

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 April 4, 1963 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Simmons

Title Acting Field Officer
Government Representative

Date 4-9-63

(INSTRUCTIONS ON REVERSE)

REMARKS *(Cont.)*

REMARKS *(Cont.)*

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

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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

OME
PARTMENT OF THE INTER

APR 9 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No.
14-23-090- 2149 Stage II
Contract Amount 278,225.00
Gov't. Participation x 50 $ 139,113.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of March, 1963

Operator's Name Mye Metals, Inc.
Address Blackhawk, Colorado or Room 711, Merchants Bank Building, Indianapolis, Indiana

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						
Drifting	8,704.00	59,687.00	68,391.00	8,704.00	59,687.00	68,391.00
Crosscutting	-0-	3,060.00	3,060.00	22,927.00	3,060.00	3,060.00
Drilling 2927.00	~~2,995.00~~	5,175.70	~~8,170.70~~	8102.70	5,175.70	8,102.70
Timbering =	884.00	8,252.00	9,136.00	884.00	8,252.00	9,136.00
X-cut. drill stag.	-0-	2,700.00	2,700.00	—	2,700.00	2,700.00
Compressed air	490.00	-0-	490.00	—	—	—
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
xxxIncid. Allow.	210.00	-0-	210.00	210.00	—	210.00
(3) Operating Mat'l. & Supplies:						
Timber						
Explosives						
Pipe						
Rail						
Casing	68.00	-0-	68.00	68.00	—	68.00
(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	-0-	105.00	105.00	—	105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	-0-	100.00	100.00	—	100.00	100.00
TOTALS	$13,283.00	$79,079.70	$92,362.70	12,793.00	79,079.70	91,872.70

I certify that the above bill is correct and just and that payment therefor has not been received.
Date April 4, 1963 * Payee Mye Metals, Inc.
Per Robert E. Nye 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:

$ 6,396.50

Signature BAB
(Authorized Certifying Officer)

Date 4/16/63 Vou. No. 5401

(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. 2149

Signature Hugh M. Emmons Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Emmons Title Acting Field Officer Date 4-9-63

OPERATOR'S MONTHLY REPORT

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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

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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.

NARRATIVE REPORT - MARCH, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for March, 1963 is summarized in this report.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Drifting was continued in the south drift on the Indianapolis vein system during the entire month, and total advance was 145.5 feet. No timbering was required, and very little groundwater is being encountered despite rapidly melting surface snow.

Indiana Vein System

Advance in this heading is a different story and very similar to that of February. Total advance was 110.5 feet. Both the quartz vein and footwall fault zone have widened to a total of at least 8 feet which presents a considerable width of heavy ground. Timbering must be kept up to the face at all times, and excessive caving occurs many feet above the timber sets and blocks. The drift was turned back to the right to expose the footwall side for sampling, but since considerable caving has again started, the drift must be turned partly into the hangingwall again. Varying amounts of groundwater compound the difficulties.

Diamond Drilling

Hole No. II-5 from the main adit drill station is nearly completed, having reached a depth of 700 feet. In referring to drill holes

the numbers on the contract map will be used. Since Hole Nos. 1-5 were drilled also under Stage I, the roman numeral designation in front of the number will be used in all subsequent reports and maps.

Drilling progress has been relatively good, averaging about 70 feet per day or 35 feet per shift. Core recovery was 95.3% and dropped below 60% on only 2 short runs. Because of very slow and difficult drilling below 600 feet, the hole size was switched from NX to BX at 620 feet. Wireline equipment is being used which recovers a slightly smaller core than normal NX and BX size. Sludge samples are being collected when core recovery diminishes to any extent.

GEOLOGY AND ASSAY RESULTS

Assays are again being run at no cost by American Metal Climax, Inc., but since their lab is quite busy at this time, the last half month's channel and muck samples could not be finished in time for this report. A new core splitter has been ordered, and the cores for Hole No. II-5 will be split and assayed during April.

Indianapolis Vein System

This vein has continued as a zone of narrow quartz stringers, 2'-3' apart. Some molybdenite and pyrite are present in each, and the strongest split (that which shows the most chloritic alteration) is being followed. The newly-found footwall split, mentioned last month, joined with the one being followed and drifting continues on this structure. Dip is very steep, varying from 82°-85°, which explains the weak vein structure. Ore shoots occur along the vein only where the dip flattens to about 75°-78°.

Indiana Vein System

At Station T61 + 18' the Indiana quartz vein widened to 3.5 feet with high-grade molybdenum mineralization, indicating the beginnings of another ore shoot, as predicted in last month's report. Assays of 2.73% and 1.96% over 3.2 and 3.5-foot widths were obtained. The quartz vein has continued at from 2'-3' widths with good molybdenite values for 75 feet. In addition, the 4'-5' of chloritic gouge in the footwall contains various mineralized quartz stringers, and at the present face, a 1.5-foot footwall quartz vein has now appeared. The dip is only 62°-65°, which is the flattest portion thus far on the Indiana vein.

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: April 30, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Rye Metals, Inc.
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
#6	BX 700	750	50'	$ 4.05	$ 202.50
	BX 750	900	150'	4.60	690.00
	Casing hole		10 hrs.	8.50	85.00
	Cement time		13 hrs.	8.50	110.50
	Lumnite cement		2 sacks	7.20	14.40
	Cardboard Core Boxes		89 boxes	1.00	89.00
			sub total		$1,191.40
#7	BX 0	9	9'	4.40	39.60
	BX 9	118	109'	4.15	452.35
	BX 118	500	382'	3.80	1,451.60
	BX 500	676	176	4.05	712.80
	Casing hole		8 hrs.	8.50	68.00
	Cement time		18 hrs.	8.50	153.00
	Lumnite cement		1 sack	7.20	7.20
	Cardboard Core Boxes		71 boxes	1.00	71.00
			sub total		$2,955.55
				TOTAL	$4,146.95

Drilling

Because of more expanded rock and alteration types involved in this drilling, a new geological legend is included to be used for all subsequent maps.

OME No. 3

Hole No. II-5- The geologic log of this hole is included, and since assays are not completed, only zones of significant mineralization are indicated. Three substantial zones of significant mineralization were intersected, the widest being 250 feet. These consist of zones of fractures a few inches apart with molybdenite in nearly every fracture., and accompanied by a flooding of secondary orthoclase in veinlets, crystals, and irregular masses. Strong silicification also occurs at various places within these zones in the form of veinlets and introduced quartz. Weak silicification is present throughout most of the hole. The exact nature of the silica, however, is often difficult to ascertain megascopically, and a number of core samples have been sent for petrographic analysis. Chloritization varies from very weak to strong, and the strong alteration is usually related to definite faults and is limited in extent. Visible molybdenite may or may not occur with the chlorite.

The rock type is mostly the normal quartz monzonite. Biotite content varies considerably but is a gradational change and difficult to log. At 675 feet the east contact of the Apex stock was intersected, and the balance is quartz-biotite gneiss, intruded by an alaskite and a quartz monzonite dike. One major difference from the main adit above is the number of pre-Cambrian biotite gneiss and alaskite inclusions. The alaskite is presumed to be a pre-Cambrian dike as it usually occurs with the biotite gneiss. It consists of a coarse-grained mass of quartz, orthoclase, and plagioclase with minor biotite. Where enclosed by the quartz monzonite, these inclusions are well-mineralized, but molybdenite diminishes considerably in the gneiss beyond the east contact. In addition to these inclusions, a number of aplitic dikes occur which appear to be fine-grained equivalents of the quartz monzonite.

The projection of the Indianapolis vein is somewhat uncertain. A one-foot quartz vein with some molybdenite was cut at the contact, and another zone of narrow quartz-molybdenite stringers occur along a fault at 618 feet. Either one about fits the projection, but in the 460 feet above, considerable dip variations could occur.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

April 4, 1963

DIAMOND CORE DRILLING
DIAMOND DRILLING EQUIPMENT
GROUTING
FOUNDATION TESTING
MINING
QUARRYING
SHAFT SINKING
TUNNEL DRIVING
MINE PLANT DESIGN
AND FABRICATION

Boyles Bros. DRILLING COMPANY

CONTRACTORS-ENGINEERS-GEOLOGISTS

General Offices and Plant

1624 Pioneer Road P. O. Box 58 HUnter 7-7595

SALT LAKE CITY 10, UTAH

BRANCH OFFICES
PHOENIX
RENO
SPOKANE
DENVER
SACRAMENTO
ST. LOUIS

INVOICE DATE: March 31, 1963
ORDER NUMBER: 2-226
INVOICE NUMBER:
CONTRACT: Nye-Apex - BlackHawk, Colorado
TERMS: as per contract
LOCATION: Apex, Colorado

HOLE NO.	FROM	TO	FOOTAGE	RATE	TOTAL
# 6	EX 0	500	500'	$4.15	$2,075.00
	EX 500	620	120'	4.40	528.00
	EX 620	700	80'	4.05	324.00
	Casing hole		8 hours	8.50	68.00
				TOTAL	$2,995.00

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
M-836	1.87
M-837	0.101
M-838	0.195
M-839	2.73
M-840	1.96
M-841	0.023
M-842	0.058
M-843	0.009
M-844	0.096
M-845	0.042
M-846	0.080
M-847	0.040
M-848	0.045
M-849	0.012
M-850	0.059
M-851	0.014
M-852	0.096
M-853	0.021
M-854	0.160
M-855	0.049
M-856	0.162
M-857	0.009

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
RECEIVED MAR 18 1965

March 15, 1965

AIRMAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for February 1965

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, two maps showing the work performed during February, and a copy of the assay results by American Metal Climax, Inc.

I consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

I made the regular monthly inspection of this property on March 14, 1965. The Operator is presently drilling hole No. 5 which is the first diamond drill hole to be drilled under Stage II of the contract. Both the north heading on the Indiana vein and the south heading of the Indianapolis vein showed small amounts of molybdenite mineralization. The quartz monzonite wall rock in both headings showed very poor mineralization.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $3,169.50 which is 50 percent of the amount claimed on MME Form 60.

Original signed by
Hugh M. Connors

Attachments
cc Chief, Division of Field Operations, OME
Vouchers Contract No. 2149
Chron
HMC/lm

MME FORM 60
SEPT. 1959

OME
PARTMENT OF THE INT OR

MAR 15 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090 2149 Stage II
Contract Amount $278,225.00
Gov't. Participation % 50 $ 139,113.00
Mineral(s) Moly Genum

OPERATOR'S MONTHLY VOUCHER

For Month of February 1963

Operator's Name Rye Metals, Inc.
Address Blackhawk, Colo., or Room 711 Merchants Bank Building, Indianapolis, Indiana

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						
Drifting	$4,947.00	$54,740.00	$59,687.00	4947.00	54,740.00	59,687.00
Crosscutting	--	3,060.00	3,060.00		3,060.00	3,060.00
Drilling	--	5,175.70	5,175.70		5,175.70	5,175.70
Timbering	492.00	7,760.00	8,252.00	492.00	7,760.00	8,252.00
X-Cut, Drill Stes	900.00	1,800.00	2,700.00	900.00	1,800.00	2,700.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	--	105.00	105.00		105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	--	100.00	100.00		100.00	100.00
TOTALS	$6,339.00	$72,740.70	$79,079.70	6,339.00	72,740.70	79,079.70

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

Date 3-11-63 *Payee Rye Metals, Inc.

Per Robert E. Nye 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:

$ 3,169.50

Signature BHB
(Authorized Certifying Officer)

Date 3/19/63 Vou. No. 4812

(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. 2149

Signature Hugh M. Thomas Title _____ Date 3-15-63

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Thomas Title Acting Field Officer Date 3-15-63

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. 1955

MAR 15 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT

For Month of February 1963 Docket No. 6231

Operator's Name Eye Metals, Inc. Contract No. 14-23-090-6149 - Stage II

OPERATION	UNITS	FOR OPERATOR'S USE			FOR GOVERNMENT USE		
		UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	Ft.	145.5	1788.5	$ 59,037.00			
Crosscutting	Ft.	--	90	3,000.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	Ft.	61.5	1031.5	8,252.00			
Drilling, Core-Diamond BX	Ft.	--	258	1,857.70			
Rotary AX	Ft.	--	715	3,718.00			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous Core Boxes	Ea.	--	100	100.00			
X-Cut, Drill Steel	Ft.	30	90	2,700.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$ 79,079.70			

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 3-11-63 Operator Eye Metals, Inc.

Per Robert E. Nye 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. Lemmons

Title Acting Field Officer
Government Representative

Date 3-15-63

(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 - FEBRUARY, 1963

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149
Stage II

INTRODUCTION

Exploration work completed under Stage II of the above contract of the Office of Mineral Exploration for February, 1963 is summarized in this report. This is the first work under Stage II, and slightly amended instructions as set forth in the Amended Contract are followed.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Total new advance on the south drift of the Indianapolis vein system was 84 feet. No timbering was required. In addition, the diamond drill station completed in January was advanced another 68.5 feet at the Operator's expense to provide a tail drift for switching cars and as an exploration crosscut. Personnel on this heading were temporarily shifted to preparing the main adit diamond drill station, and drifting will be resumed in March.

Indiana Vein System

Advance has been slow in this drift due to the increasingly heavy ground in the vicinity of a major fault intersection. The last 10 days was entirely spent in spiling through this area and installing closely-spaced timber sets. Advance was only 61.5 feet for the month. This problem is still not past and it will be necessary to stay along the hanging wall side of the vein for a short distance until the ground improves. Considerable groundwater has aggravated the situation.

Diamond Drilling

No drilling was completed, but the main adit drill station, large enough for 3 holes in different directions, was excavated. Boyles Bros. Drilling Company was low bidder on the contract and will be moving in their equipment on or about March 5th.

GEOLOGY AND ASSAY RESULTS

In line with new instructions in the amended contract, muck samples were taken of each round by taking a grab from each car as it reached the mine portal. Channel sampling was continued at about 10-foot intervals. All assays were run at no cost by American Metal Climax, Inc.

Indianapolis Vein System

The Indianapolis vein has split into a number of quartz stringers, each about 1"-2" in width. At about Sta. T60, another footwall split of the vein was indicated in the east rib. Further excavation at this spot disclosed a quartz vein about one foot thick and considerably mineralized with molybdenite. Since this is the strongest split, the drift will be turned slightly eastward to follow this segment of the vein system, which must have split off in the vicinity of the cross-fault at Drill Hole No. 5. The tail drift was extended 74 feet westward partially to determine whether the present drift is on the best portion of the vein system. Since no veins were found, other than the random mineralized fractures in the quartz monzonite walls, we must assume that the drift is on the main part of the Indianapolis vein system.

Indiana Vein System

During this month's advance, the vein exposed in the drift has varied from one foot to a few inches in width. However, a series of mineralized quartz veinlets are exposed over a width of about 7 feet. The heavy ground presently being encountered is the result of three faults, all part of the Indiana system, intersecting at very acute angles and causing a loose zone of fault gouge about 4 feet wide. The heavy water flow readily washed out this loose gouge, resulting in caving for a considerable distance above the drift timbers.

The dip is now flattening to about 72°, which may indicate the beginning of another ore shoot, based on past experience. At this property, ore shoots seldom make where dips are over 80°.

Drilling

As mentioned previously, drilling should start on or about March 5th. The holes marked as Nos. 5, 4, and 3 in the contract will be drilled first and in that order.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

March 5, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
M-763	.054
M-788	.035
M-789	.098
M-790	.063
M-791	.073
M-792	.054
M-793	.110
M-794	.122
M-795	.167
M-796	.427
M-797	.038
M-798	.017
M-799	.040
M-800	.010
M-801	.028
M-802	.030
M-803	.253
M-804	.037
M-805	.040
M-806	.061
M-807	.031
M-808	.269
M-809	.017
M-810	.017
M-811	.021
M-812	.033
M-812A	.347
M-813	.042
M-814	.042
M-815	.019
M-816	.002
M-817	.052
M-818	.745
M-819	.012
M-820	.005
M-821	.009
M-822	.099
M-823	.023
M-824	.054
M-825	.044
M-826	.007
M-827	.015
M-828	.047
M-829	.012
M-830	.009
M-831	.005
M-832	.255

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RECEIVED FEB 28 1963

DATE		
2/28		110
		500
	Murphy	502

Building 20 - Federal Center
Denver 25, Colorado

February 21, 1963

AIRMAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for January 1963

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, six maps showing the work performed during January, and a copy of the assay results by American Metal Climax, Inc.

I consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $6,093.55 which is 50 percent of the amount claimed on MME Form 60.

This will be the last voucher on Stage I work.

Original signed by

Hugh M. Commors

Attachments

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of January, 1963 Docket No. 6231

Operator's Name Hye Metals, Inc. Contract No. 14-23-090- 2149

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	1700	220.5	1610	$54,740.00			
Crosscutting		27	90	3,060.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	1200	229	970	7,760.00			
Drilling, Core-Diamond BX	1000	50	258	1,457.70			
AX		213	715	3,718.00			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous Core boxes	100	100	100	100.00			
X-cut, drill stns.	60	15	60	1,800.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$72,740.70			

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 February 6, 1963 Operator Hye Metals, Inc.

Per Robert L. Hye 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. Tonson

Title Acting Field Officer
Government Representative

Date 2-21-63

(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.

INT.DUP.,D.C.59- 61577

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $76,650.00
Gov't. Participation %50 $38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of January, 1963
Completion of Stage I

Operator's Name Nye Metals, Inc., Blackhawk, Colorado or
Address Room 711, Merchants Bank Building, Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	$7,497.00	$47,243.00	$54,740.00	7,497.00	47,243.00	54,740.00
Crosscutting	918.00	2,142.00	3,060.00	918.00	2,142.00	3,060.00
Drilling	1,390.10	3,785.60	5,175.70	1,390.10	3,785.60	5,175.70
Timbering	1,832.00	5,928.00	7,760.00	1,832.00	5,928.00	7,760.00
X-cut, drill stas.	450.00	1,350.00	1,800.00	450.00	1,350.00	1,800.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	-0-	105.00	105.00	–	105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
Core boxes	100.00	-0-	100.00	100.00	–	100.00
TOTALS	12,187.10	60,553.60	72,740.70	12,187.10	60,553.60	72,740.70

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

Date Feb. 6, 1963 *Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 6,093.55

Signature BHB
(Authorized Certifying Officer)

Date 2/27/63 Vou. No. 4333

(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. 2149

Signature Hugh M. Connors Title _____ Date 2-21-63

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 2-21-63

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.

NARRATIVE REPORT - JANUARY, 1963

COMPLETION OF STAGE I

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

This report summarizes exploration work completed under the above contract of the Office of Mineral Exploration for the month of January, 1963. With this month's advance, the authorized units of work under Stage I, as defined in the Amended Contract #2149, are complete. The unused funds as shown in the voucher are those from unneeded expenditures such as timbering and assaying.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

The south drift on the Indianapolis vein was advanced 138.5 feet, and, in addition, the last diamond drill station authorized under the contract was put in at survey station T58. This station will be advanced additional footage at the Operator's expense to serve as a necessary stub drift for switching cars. Continual timbering and top lagging was required except for the last 30 feet, but the intense faulting and heavy ground is no longer present.

Indiana Vein System

At the end of December, extremely faulted and heavy ground was encountered in the drift, which required spiling and solid top and side lagging for 30 feet. Although one of the cross-faults displaced the vein, it was necessary to continue out of the heavy fault zone before a right turn could be accomplished. This right turn was made when the ground improved, the vein was crosscut at about 30 feet, and the drift was turned to the left or northeast to continue on the vein. Continual timbering is required. Drifting footage was 82 feet and cross-cutting 27 feet

Diamond Drilling

Hole No. 5 was completed to a depth of 200 feet, and Hole No. 2 was deepened from 145 feet to 171 feet. Only the first 108 feet of Hole No. 2 was previously billed in the October, 1962 voucher. The last 100 feet of Hole No. 5 was in highly fractured ground all the way, which accounted for the overall low core recovery of 47 % and only 29% for the 100 feet. The intensely faulted ground previously encountered in Hole No. 2 continued to be very troublesome, and the 26 feet required nearly a week to drill. In spite of this, core recovery was 76%.

GEOLOGY AND ASSAY RESULTS

Cores were split and assays completed on the apparent interesting zones from Hole Nos. 2 thru 5, and logs are again included for Hole Nos. 3 and 4, previously submitted. All assays were run at no cost by American Metal Climax, Inc.

Indianapolis Vein System

During the early part of January, the drift left the [illegible] cross-fault zone and has continued on a vein which has split into a number of narrow stringers. Strike is nearly due S or about the same as that north of the fault. Although no high-grade vein has been present for the past 125 feet, the overall values in the walls and vein over about 1-6 feet have varied from .026% - .361% MoS_2. Since the vein is split into two parts North of the fault, there is some doubt as to whether the present drift is on the strongest of the splits. Therefore, a short diamond drill hole will be completed in a west direction by the operator at the new drill station. This will determine whether a stronger vein is present in the hangingwall.

Indiana Vein System

Since considerable footage was consumed in getting through the major fault zone and cross-cutting to the vein again, only a small length of vein was actually seen. Fault movement was normal and displacement about 15 feet. The flat dip near the fault has increased again to the normal one of 75° Nw. Vein width of quartz-molybdenite is 1' - 1.5' with another 7'-8' mineralized zone in the footwall. Chloritic alteration is strong. A careful 12' channel sample in the crosscut near the vein (M676) assayed .119% MoS_2, but a number of samples farther south were all less than .05% MoS_2.

Drilling

Hole No. 5

Core recovery for the last 78 feet was low and a number of faults with a possible vein were intersected. These zones were from 120' - 150', 164' - 169', and 195' - 200'. Since the core recovery was very low from 145' - 160', two 10-foot samples were taken although the exact sample divisions could only be estimated. No appreciable assays were obtained, but molybdenite was observed on a number of faults throughout the hole. Silicification and quartz veining was most noticeable from 60' - 160'. The first 15 feet followed a minor E-W vein.

Hole No. 2

Another vein was apparently intersected from 75' - 80' as evidenced by the assay of .450% MoS_2, the fact that only fault gouge was recovered from 82' - 84', and the extremely difficult drilling. This interval is also within the normal quartz monzonite dike from 65' - 82'. However, most of the hole was in the pre-Cambrian biotite gneiss or pegmatite gneiss. Aplite dike material with vein quartz was recovered from 150' - 156', but core recovery was only 16%. The presence of molybdenite and pyrite also indicates another vein at about 156'. The balance of the hole was in biotite gneiss again which accounted for the stopping of the hole at 171 feet. All of the biotite gneiss contained very little visible molybdenite but considerable veinlets and disseminations of pyrite. An additional sample will be taken of the interval 70' - 75'.

Hole Nos. 3 and 4

The geology of these was previously discussed. The intense quartz veining from 100' - 200' in Hole No. 3 was prev ously discussed. Only occasional molybdenite could be seen, and a 20-foot section was assayed with very low results. This area of the North Indiana drift is obviously out of the stronger mineralized zone, as the vein and wallrock mineralization in the drift was also weak. Hole No. 4 showed more visible films of molybdenite, but assays of two of these zones were low-grade. A narrow quartz vein was cut at the beginning of the hole which assayed .171% MoS_2. Fracturing was generally intense and the secondary orthoclase alteration was quite noticeable, all of which are favorable criteria for subsequent drilling at depth under Stage II.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

February 6, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2	Sample No.	% MoS_2
M-621	0.040	M-657	0.084
M-628	0.033	M-658	0.356
M-629	0.211	M-659	0.502
M-630	0.246	M-660	0.148
M-631	0.016	M-663	0.450
M-632	0.364	M-664	0.014
M-633	0.063	M-665	0.012
M-634	0.010	M-666	0.010
M-635	0.014	M-667	0.037
M-636	0.010	M-668	0.052
M-637	0.019	M-669	0.956
M-638	0.009	M-670	2.21
M-639	0.171	M-671	1.53
M-640	0.016	M-672	0.035
M-641	0.019	M-673	1.34
M-642	0.028	M-674	2.96
M-643	0.012	M-675	0.012
M-644	0.007	M-676	0.119
M-645	0.187	M-677	0.047
M-646	0.040	M-678	2.49
M-647	0.092	M-679	0.581
M-648	0.005	M-680	0.026
M-649	0.038	M-681	0.907
M-650	0.028	M-682	1.45
M-651	0.012	M-683	0.971
M-652	0.017	M-684	1.23
M-653	0.021	M-685	0.012
M-654	0.040	M-686	0.215
M-655	01021	M-687	0.412
M-656	0.361		

C. E. Melbye, Geol. E.

Interval	%MoS_2
53'- 56'	.010%
150'-155'	.014%
155'-160'	.010%
160'-165'	.019%
165'-170'	.009%

N.G.

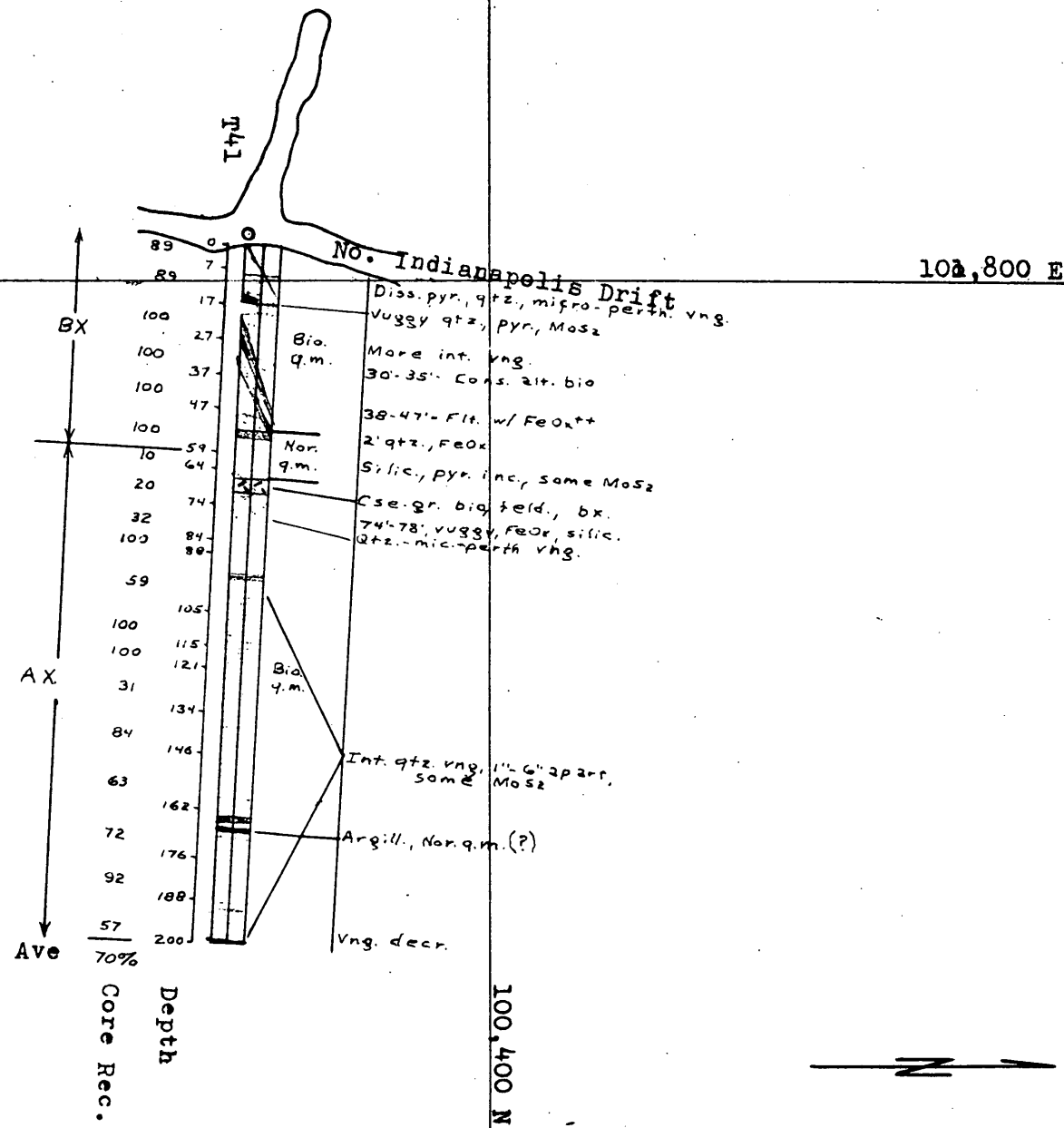
Nye Metals, Inc.

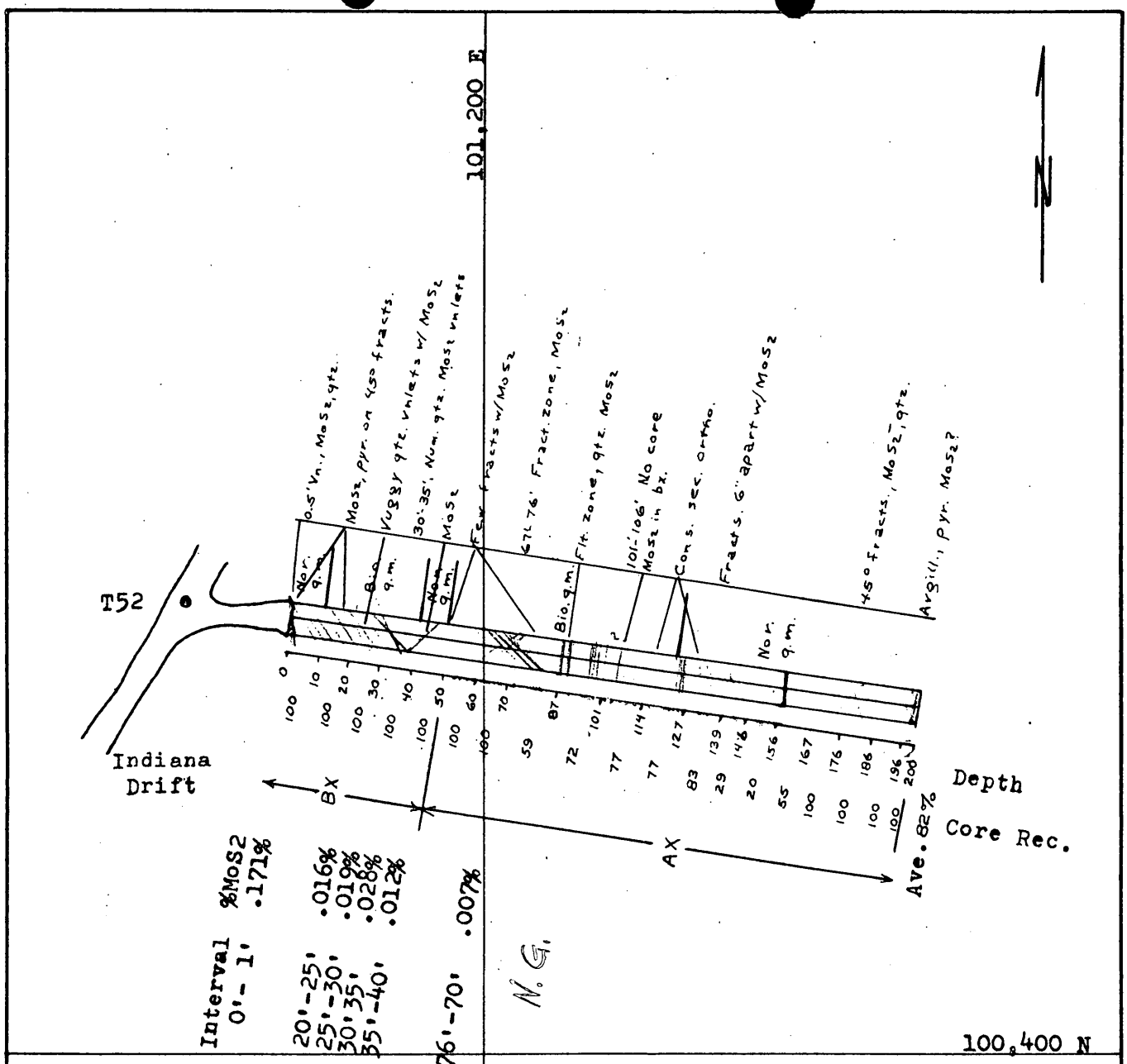
GEOLOGIC-ASSAY LOG

HOLE NO. 3

Scale 1"=50'
Elev. 10,340'
December, 1962

Docket No. 6231
Contract No. 2149





Nye Metals, Inc.

GEOLOGIC-ASSAY LOG

HOLE NO. 4

Scale 1"=50'
Elev. 10,328'
December, 1962

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.

Building 20 - Federal Center
Denver 25, Colorado

JAN 21 19

1/21 800
500
1/28 500

January 18, 1963

AIRMAIL

Memorandum

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Rye Metals, Inc.
(Rye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for December 1962

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, four maps showing the work performed during December, and a copy of the assay results by American Metal Climax, Inc.

I consider that the Operator has complied with the intent of the contract and the work for which payment is recommended is acceptable to the Government.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $4,761.02 which is 50 percent of the amount claimed on MME Form 60.

Hugh M. Connors

Attachments
cc Chief, Division of Field Operations, OME
Vouchers Contract No. 2149
Chron
HMC/lm

MME FORM 61
SEPT. 1959

OME

DEPARTMENT OF THE INTERIOR

JAN 7 1963

REGION III

DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT

For Month of December

Docket No. 6231

Operator's Name Nye Metals, Inc.

Contract No. 14-23-090-2149

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	~~1700~~	158.5	1389.5	$47,243.00			
Crosscutting		-0-	63	2,142.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	1200	138	741	5,928.00			
Drilling, Core-Diamond BX	~~1000~~	109	208	1,175.20			
~~Rotary~~ AX		291	502	2,610.40			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
X-cut, drill stas.	60	30	45	1,350.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$60,553.60			

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 January 3, 1963 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Emmons

Title Acting Field Officer
Government Representative

Date 1-17-63

(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.

OME
DEPARTMENT OF THE INTERIOR

MME FORM 60
SEPT. 1959

JAN 7 1963
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No.
14-23-090- 2149
Contract Amount $ 76,650.00
Gov't. Participation % 50 $ 38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of December

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or Room 711, Merchants Bank Building, Indianapolis, Indiana

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						
Drifting	5,389.00	$41,854.00	$47,243.00	5,389.00	41,854.00	47,243.00
Crosscutting	-0-	2,142.00	2,142.00	-	2,142.00	2,142.00
Drilling	2,129.05	1,656.55	3,785.60	2,129.05	1,656.55	3,785.60
Timbering	1,104.00	4,824.00	5,928.00	1,104.00	4,824.00	5,928.00
X-cut, drill stas.	900.00	450.00	1,350.00	900.00	450.00	1,350.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	-0-	105.00	105.00	-	105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	9,522.05	$51,031.55	$60,553.60	9,522.05	51,031.55	60,553.60

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

Date Jan. 3, 1963* Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 4,761.02

Signature BMB
(Authorized Certifying Officer)

Date 1/23/63 Vou. No. 3790

(SEE OTHER SIDE)

OME
DEPARTMENT OF THE INTERIOR
JAN 8 1963
REGION III
OPERATIONS BRANCH

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. 2149

Signature Hugh M. Connors Title Acting Field Officer Date 1-17-63

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 1-17-63

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.

NARRATIVE REPORT - DECEMBER, 1962

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

This report summarizes exploration work completed under the above contract of the Office of Mineral Exploration for the month of December.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Drifting has continued in the south drift but at a slower pace due to the heavier faulted ground and the necessity of putting in a stub drift for switching and for a diamond drill station. Total drifting footage was 595.5 feet, but additional 29 feet was completed in the stub drift, of which 15 feet was included in the contract as a drill station (Hole No. 5). The extremely faulted ground requires continual timbering with top lagging.

Indiana Vein System

This northeast drift was extended an additional 99 feet along the vein, all of which required timbering. A 37-foot stub drift was also completed to serve for switching and the last 15 feet for a drill station (Hole No. 4).

Diamond Drilling

The balance of the drilling has been contracted to Boyles Bros. Drilling Company, and they completed Hole Nos. 3 and 4 and are nearly finished with Hole No. 5. Only Nos. 3 and 4 are included in the December voucher, each completed to 200 feet.

Drilling footage averaged about 32 feet per one-shift day. No unusual problems were encountered which required casing and cementing. However,

the completion of Hole No. 2, previously drilled to 145 feet, is anticipated to be very troublesome due to severely faulted ground. Logs of Hole Nos. 3 and 4 are included, which show locations, bearings, geology, core recoveries, and core sizes, but assays are not yet completed. Core recoveries averaged 70% and 82%, respectively.

GEOLOGY AND ASSAY RESULTS

Please refer to two plan drift maps and two plan drill logs for the geological data and assays. The assays were again run at no cost by American Metal Climax, Inc.

Indianapolis Vein System

The major fault zone encountered near the end of November has continued to complicate the geology, and the exact relationships are still not clear since there are no surface expressions of the fault with which to correlate. The NE cross-fault is actually a zone 30 feet wide with 5 distinct fault strands evident thus far, each of which has displaced the vein in various directions. Another vein, 4 feet wide, has been encountered in the stub drift, which has a general N-S strike, the same as the Indianapolis vein. It doesnot appear to have been displaced and may be an important parallel vein. Many subsidiary quartz-molybdenite stringers (1"-2" wide) are present throughout the fault zone, and molybdenum values are therefore quite encouraging in this area (See assay plan map). The present south heading is following a vein about 2 feet wide (Strike N5°E), and a few more rounds should clarify the geological picture. Some additional sampling will be done now that the geology is more clearly understood.

Indiana Vein System

The Indiana vein has continued to be very highly mineralized with substantial portions averaging over 1% MoS_2. The present face, however, is in a zone of intersecting faults and bad ground, and the vein has flattened to 58° with a decrease in values. Assays will be completed on this in January. Two prominent hangingwall veins, about 6" wide and carrying considerable molybdenite, were encountered from T52 to T52 + 70'. However, the footwall vein is 2-3 feet wide, has the most substantial strength, and is being followed in the drift.

Drilling

Hole No. 3- This hole encountered the same highly limonite-stained fault zone cut in the drift, as well as a few other minor faults. The

main feature was the intense quartz veining from 100 - 200 feet, which was expected from surface outcrops on Dakota Hill and was the main reason for drilling the hole. Some molybdenite can be seen throughout but does not appear to be great, and assays will be completed in January. The intensity of both quartz and micro-perthite veining are quite noticeable, as is pyritization. Most of the hole was in the biotite quartz monzonite.

Hole No. 4- Molybdenite was more abundant in this hole and nearly every fracture showed at least a film. A considerable portion of the hole was in the normal quartz monzonite, which seems to be a more favorable host rock, although this is not yet conclusive. Most fractures are at 45° to the hole, and strong faults were cut at 101'-106', 156', and possibly at 200'. Quartz veining is intense only in scattered zones but where present usually is accompanied by molybdenite.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

January 4, 1963

Assays by American Metal Climax, Inc.

Sample No.	% MOS_2
M605	0.410
M606	0.171
M607	0.119
M608	0.746
M609	0.349
M609A	0.664
M610	0.169
M611	0.511
M612	0.774
M613	0.485
M614	0.605
M615	0.978
M616	0.051
M617	0.009
M618	1.23
M619	0.396
M620	1.30
M622	2.59
M623	0.488
M624	0.213
M625	0.052
M626	0.270
M627	0.202

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 27 1962
DATE 12/27 | 110 | 120 | 500
Grieved Murphy

Building 20 - Federal Center
Denver 25, Colorado

December 19, 1962

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for November 1962

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, three maps showing the work performed during November, and a copy of the assay results by American Metal Climax, Inc.

I inspected this property December 18, 1962. The Indiana vein was 5 feet wide in the north heading and was strongly mineralized with molybdenite. Increasing amounts of molybdenite was noted in the wall rock which is a highly fractured intrusive. The drift on the Indianapolis vein in the south heading shows many splits and cross fractures. The quartz-monzonite wall rock is disseminated with molybdenite throughout this fractured zone.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $6,674.00 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments

MME FORM 61
SEPT. 1959

DEPARTMENT OF THE INTERIOR
DEC 8 19
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of November, 1962 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149

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	1700	316	1231	$41,854.00			
Crosscutting		-0-	63	2,142.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	1200	325.5	603	4,824.00			
Drilling, Core-Diamond BX		-0-	99	559.35			
~~Rotary~~ AX		-0-	211	1,097.20			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
X-cut, Drill stas.	60	-0-	15	450.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$51,031.55			

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 December 7, 1962 Operator Nye Metals, Inc.

Per Robert E. Nye 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 Lonmore

Title Acting Field Officer
Government Representative

Date 12-19-62

(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.

MMS FORM 60
SEPT. 1959

OME
DEPARTMENT OF THE INTERIOR
DEC 8 1962
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $76,650.00
Gov't. Participation %50 $38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of November

Operator's Name Nye Metals, Inc., Room 711, Merchants Bank
Address Building, Indianapolis, Ind. or Blackhawk, Colo.

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						
Drifting	10,744.00	31,110.00	41,854.00	10,744.00	31,110.00	41,854.00
Crosscutting	-0-	2,142.00	2,142.00	–	2,142.00	2,142.00
Drilling	-0-	1,656.55	1,656.55	–	1,656.55	1,656.55
Timbering	2,604.00	2,220.00	4,824.00	2,604.00	2,220.00	4,824.00
X-cut, Drill stae	-0-	450.00	450.00	–	450.00	450.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	-0-	105.00	105.00	–	105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	13,348.00	37,683.55	51,031.55	13,348.00	37,683.55	51,031.55

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

Date Dec. 7, 1962 * Payee Nye Metals, Inc.

Per Robert E. Nye Title President

* When a voucher is signed or received 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:

$ 6,674.00

Signature BHB
(Authorized Certifying Officer)

Date 12/26/62 Vou. No. 3302

(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. 2149

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 12-19-62

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.

NARRATIVE REPORT - November, 1962

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

This report summarizes exploration work completed under the above contract of the Office of Mineral Exploration for the month of November.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

The south Indianapolis drift was continued for 152 feet during November, and all except 15 feet required timber, with top lagging and occasional side lagging. The last 50 feet has encountered heavier ground due to a major cross fault which has dragged the vein to the right and due to the intersection of 3 other oblique veins.

Indiana Vein System

Drifting was continued to the northeast for another 164 feet, which required timbering except for 24.5 feet. This untimbered section is the same as mentioned in the October report. Water flow is still considerable.

Drilling

Hole No. 2 was continued to 145 feet where a major fault zone was encountered that stopped further drilling without casing or cementing. Since the company driller took another job and with substantial repairs required on the drill, it was decided to contract the remainfer of the drilling which will include completion of Hole No. 2 to about 200 feet. Therefore, no drilling footage is included in this month's voucher.

GEOLOGY AND ASSAY RESULTS

Two drift plan maps graphically illustrate geology and assay results. Assays were run on one section of the Hole No. 1 cores, and a log of the hole is included. American Metal Climax, Inc. again ran the assays this month at no cost to the company.

Indianapolis Vein System

The first 100 feet continued on a vein of about the same grade and width (1.5 - 3.0'). However, at Sta. T48 + 20' a major change has occurred. Two oblique veins, striking about N15°E, intersected the main vein, and an abrupt bending of the vein to the southwest has occurred. This is now known to be due to drag on a major cross-fault intersected at T49 + 20'. The vein is as yet not displaced on this fault but this is a distinct possibility. Another vein was noted in the east or left rib on the south side of the fault, but its relationship is not yet clearly understood. Molybdenite is disseminated throughout this fault and vein intersection zone, as well as the normal amounts in the various veins themselves. The cross-fault strikes N55°E and dips 60° SE. No surface expression of the fault or oblique veins is known on which to make any predictions at this time. The presence of a number of unknown veins has been expected in southward drifting, and this expectation is substantiated by recent developments.

Indiana Vein System

The most notable development has been the intersection of the quartz monzonite stock again at Sta. T50 + 71'. The contact here is a fault contact striking N38°W and dipping 52°-60°NE. The northwest strike at this point definitely shows fault displacement from the last known position in the Dakota fault crosscut. Most of the displacement is probably the expected westward movement on the Dakota fault. The contact in the crosscut was an intrusive type. Molybdenum values have increased in the vein, as shown by assay Nos. M603 and M604. Increased veinlets of crystalline molybdenite have been noted in the walls in contrast to only films of molybdenite in the fractured gneiss. The drift should now remain in the intrusive for the balance of the contract.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

December 7, 1962

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 23 1962

DATE		
12/27	Grooved	800 500
12/27	Murphy	~~502~~

December 19, 1962

Mr. Robert E. Nye, President
Nye Metals, Inc.
Black Hawk, Colorado

Re: GMR-6251 (Molybdenum)
Contract 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

Dear Mr. Nye:

This confirms verbal approval to drill holes No. 3 and 4 as requested in your letter of December 8, 1962 with hole locations as shown on the maps which were attached.

Nothing in this work approval shall be construed to increase the total estimated cost of the project, the aggregate amount which the Government may be required to contribute, or the "Fixed Unit Cost" of any item of work.

Yours very truly,

Original signed by

Hugh M. Connors
Acting Field Officer, OME
Region III

cc Mr. Charles E. Melbye
Consultant to Nye Metals, Inc.
2721 Lookout View Drive
P. O. Box 309
Golden, Colorado
Chief, Division of Field Operations, OME
Contract Corres. 2149
Chron

HMC/lm

CHARLES E. MELBYE AND ASSOCIATES

MINING - GEOLOGICAL - GEOPHYSICAL - ENGINEERS

OME
DEPARTMENT OF THE INTERIOR
DEC 8 1962
REGION III
DENVER, COLORADO

December 8, 1962

Mr. Hugh M. Connors, Acting Field Officer
OME, Region III
Building 20, Federal Center
Denver, Colorado

Re: Nye Metals, Inc.
Docket No. 6231
Contract No. 2149
Gilpin County, Colorado

Dear Mr. Connors:

This letter constitutes our formal request for permission to drill Hole Nos. 3 and 4 at the locations specified on the enclosed maps.

Hole No. 3 will be drilled about S75°E from the junction of the last crosscut in the north Indianapolis drift. This hole should intersect a zone which on surface shows considerable sheeting and quartz veining.

Hole No. 4 is located at the present end of the Indiana drift. Its bearing will be about S60°E, and its purpose is to explore the fractured and mineralized quartz monzonite between the Indiana and Indianapolis vein systems.

Your consideration of our request will be appreciated.

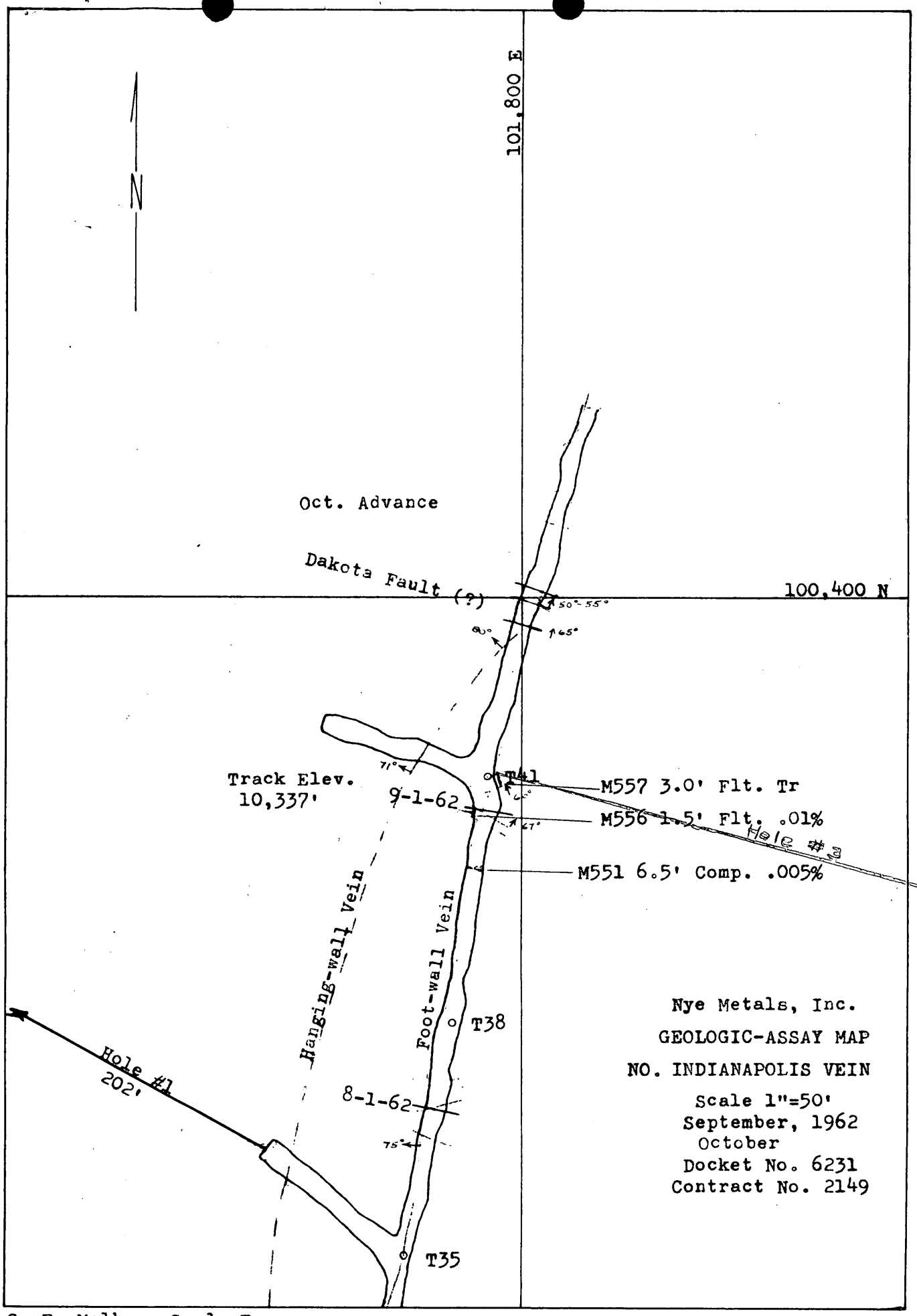
Sincerely,

Charles E. Melbye

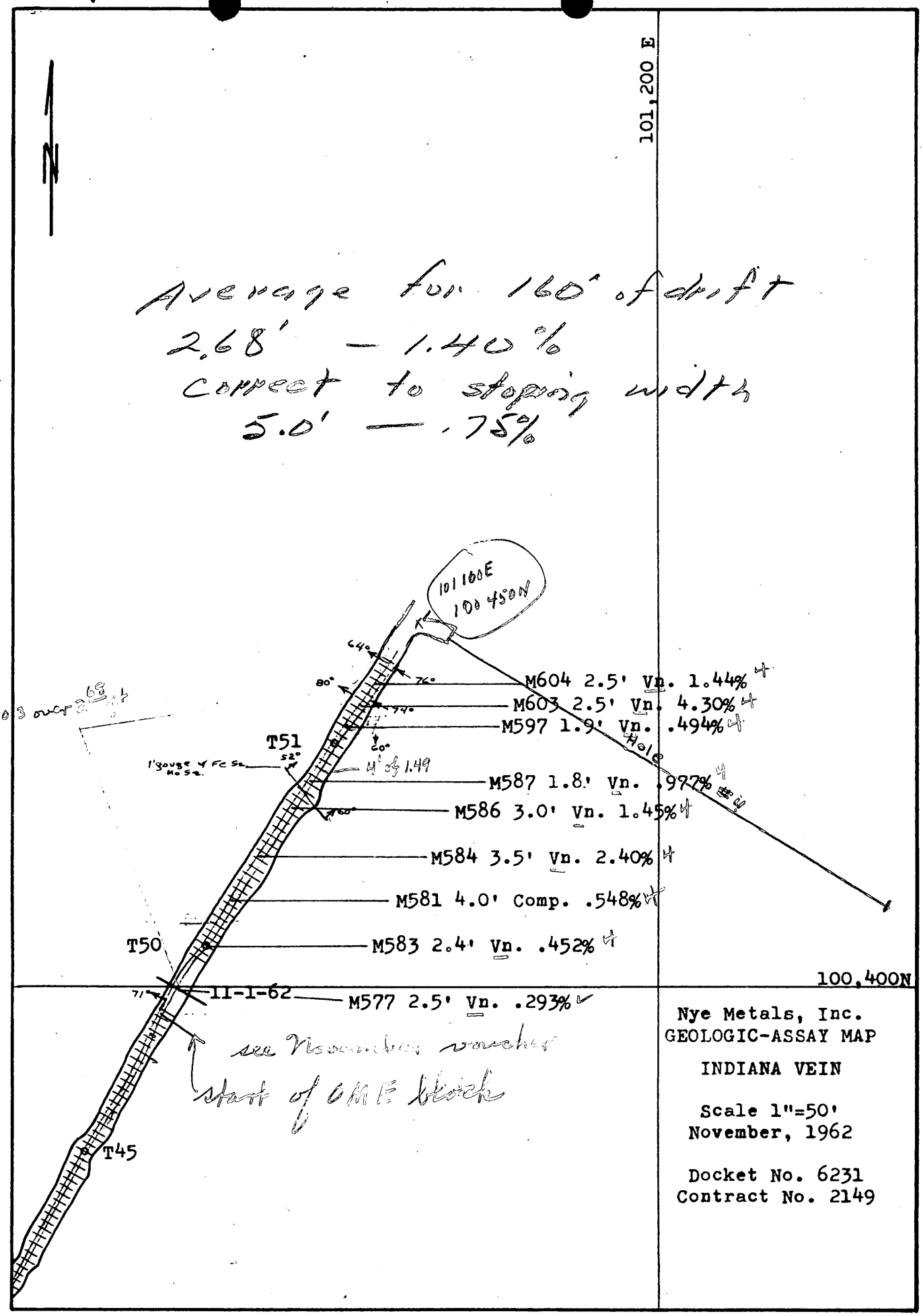
Charles E. Melbye
Consultant to Nye Metals, Inc

M/am
cc: Nye Metals, Inc.

P. O. BOX 309 | 2721 LOOKOUT VIEW DRIVE GOLDEN, COLORADO | CRestview 9-1542



C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E
RECEIVED DEC 21 1962

DATE		CODE
12/26	Grisewald	120
	Murphy	500

December 19, 1962

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: OME-6282 (Molybdenum)
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

On my regular monthly inspection yesterday on OME Contract 2149, Nye Metals, Inc., I noted a condition which should receive due consideration in the event you prepare a new contract on the subject property.

The Indianapolis vein south heading has encountered many cross fractures, splits, and possible new veins. About 20 feet north of the present south heading is a split in the vein bearing southwest on which the Operator has drifted about 15 feet where he intends to establish a switch. The vein in this heading is about 4 feet wide and has the same width and apparent high mineralization as the south heading. I suspect the presence of a number of unknown veins, especially in this south area which diamond drilling later will explore. What has me stymied is how to word a contract for drifting in this area which would prevent many amendments.

Hugh M. Connors
Hugh M. Connors
Acting Field Officer, OME

Building 20 - Federal Center
Denver 25, Colorado

OFFICIAL FILE COPY
O. M. E
RECEIVED NOV 29 1962

DATE	INITIALS	
11/29	[illegible]	800
	Grawed	500
11/30	Murphy	500

November 26, 1962

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Rye Metals, Inc.
(Rye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for October 1962

Enclosed are the original and two copies of MME Form 60 and MME Form 61, Operator's Narrative Report, three maps showing the work performed during October, and a copy of the assay results by Union Carbide Nuclear and American Metal Climax, Inc.

I inspected this property November 21, 1962. The breast on the Indiana vein is about 3½ feet wide and shows some molybdenum in the wall rock. The Indianapolis vein in the heading going south has widened to 5½ feet. Some mineralization was noted in the quartz-monzonite wall rock.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $5,330.07 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments
HMC/lm
cc Chief, Division of Field Operations, OME
Vouchers, Contract 2149
Chron

MME FORM
SEPT. 1959

OME
DEPARTMENT OF THE INTERIOR
NOV 7 1962
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of October, 1962 Docket No. 6231

Operator's Name Rye Metals, Inc. Contract No. 14-23-090- 2149

OPERATION	UNITS	FOR OPERATOR'S USE			FOR GOVERNMENT USE		
		UNITS THIS MONTH	UNITS TO DATE	COSTS TO DATE	APPROVED UNITS THIS MONTH	APPROVED UNITS TO DATE	APPROVED COSTS TO DATE
Drifting	1700	247	915	$31,110.00			
Crosscutting		0	63	2,142.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	1200	126.5	277.5	2,220.00			
Drilling, Core-Diamond DX	1000	51	99	559.35			
Rotary AX		185	211	1,097.20			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
X-cut, Drill Sta.	60	0	15	450.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				105.00			
TOTAL TO DATE *(per MME Form 60)*				$37,683.55			

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. 2, 1962 Operator Rye Metals, Inc.

Per Robert E. Rye 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. Lemmons

Title Acting Field Officer
Government Representative

Date Nov. 23, 1962

(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.

OME
DEPARTMENT OF THE INTERIOR
NOV 1962

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $76,650.00
Gov't. Participation % 50 $38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of October

Operator's Name Eye Metals, Inc.
Address Blackhawk, Colorado or 711 Merchants Bank Bldg., Indianapolis, Indiana

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						
Drifting	$8,398.00	$22,712.00	$31,110.00	8,398.00	22,712.00	31,110.00
Crosscutting	-0-	2,142.00	2,142.00	—	2,142.00	2,142.00
Drilling	1,250.15	406.40	1,656.55	1,250.15	406.40	1,656.55
Timbering	1,012.00	1,208.00	2,220.00	1,012.00	1,208.00	2,220.00
X-cut, Drill etc.	-0-	450.00	450.00	—	450.00	450.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	-0-	105.00	105.00	—	105.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	$10,660.15	$27,023.40	$37,683.55	10,660.15	27,023.40	37,683.55

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

Date Nov. 8, 1962 *Payee Eye Metals, Inc.

Per Robert E. Ny 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:

$ 5,330.07

Signature BHB
(Authorized Certifying Officer)

Date 12/6/62 Vou. No. 2918

(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. 2149

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. [illegible] Title Acting Field Officer Date 11-23-62

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.

NARRATIVE REPORT - October, 1962

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

This report summarizes exploration work completed under the above Office of Mineral Exploration project for the month of October.

DESCRIPTION OF COMPLETED WORK

Indianapolis Vein System

Drifting was continued northward an additional distance of 73 feet. Outside of one major fault zone, the ground was weakly fractured and no timbering was required. Because of the weaker nature of mineralization to the north, permission was requested in a letter of October 16th to stop this heading and amend the contract to permit drifting southward on the Indianapolis vein. Permission was granted, and the change was immediately initiated.

Accordingly, the mine crew completed 61.5 feet of drifting, of which 37.5 feet required timbering, and the balance will be timbered in November. The ground is not unduly heavy but is fractured and blocky enough to be treacherous without drift sets and top lagging. Side lagging is not required.

Total drifting footage on the Indianapolis vein system was 134.5 feet.

Indiana Vein System

Drifting was continued for 112.5 feet of which 89 feet was timbered. The balance may or may not require timber. An intersecting vein and fault from Sta. T44 + 15' - 40' accounted for considerable caving ground which necessitated timbering directly behind each new drift round. This situation has changed, but water flow is considerable. A contract amendment granted during October permitted continued drifting, since the original 300 feet has been exceeded.

Drilling

Hole No. 1 was completed at 202 feet, and Hole No. 2 is presently to 108 feet and continuing. Total monthly footage was 236 feet- 51 feet BX and 185 feet AX. A major fault zone at about 51 feet in Hole No. 2 necessitated the change to AX core size. Core recovery was 100% in Hole No. 1 and 90% thus far in Hole No. 2.

GEOLOGY AND ASSAY RESULTS

Plan maps of each drift and two drill logs graphically illustrate the geology and assay data. It should be noted that American Metal Climax, Inc. and Union Carbide Nuclear have offered to run assays at no cost, thereby effecting an appreciable saving on contract costs.

Indianapolis Vein System

As previously mentioned, the north vein has decreased in intensity together with a corresponding diminished mineralization in the fractured wallrock. Therefore, in accordance with the amendment, drifting was commenced in the south drift, where the vein has continued from 1.5 - 3.0 feet in width with substantial vein and wallrock mineralization. The intensity of oblique and right-angle fracturing to the vein has continued notably strong, thereby enhancing the possibilities for substantial tonnages of low-grade molybdenum ore. Films, flakes and seams of molybdenite can be seen in most of these fractures.

Indiana Vein System

This vein has continued on the same strike (N30°E) and is still within the pre-Cambrian gneiss. Apparently the vein is influenced by the gneiss-intrusive contact and is presently extending parallel to it, but since outcrops immediately ahead on surface are well within the quartz monzonite, the formation change must occur very soon. Widths are holding at least 2 feet and vary from 2 - 4 feet. Considering the unfavorable gneiss wallrock, vein mineralization is encouragingly strong, and many minor fractures in the walls are also mineralized with molybdenite and pyrite.

Drilling

No cores have been split and assayed thus far, but a core splitter will arrive the first week in November and the interesting sections of core will split and assayed soon thereafter.

Hole No. 1: It was collared in unaltered weakly mineralized quartz-

monzonite but at 20 feet the chloritic alteration and intensity of molybdenite mineralization increases and continues to about 150 feet where a gradual decrease is again noted. From 188 - 202 feet more quartz veining and molybdenite is again noted, but the increase was not considered sufficient to justify continuance of the hole, at least at this time. A major fault zone, consisting of highly chloritic gouge was intersected from 78-84 feet.

Hole No. 2: This hole shows considerable variation in wallrock as well as faulting. The hole was collared in the black biotite gneiss, consisting of at least 75% biotite, which continued to 42.5 feet. This rock is weakly mineralized except for quartz veining and pyrite. The balance of the first 108 feet is in a pegmatite gneiss consisting of a coarse-grained mass of orthoclase, quartz, and plagioclase, in which the feldspars are altered to a green clay (?) mineral. Cutting this gneiss from 63'-81' is a quartz-monzonite dike which is very similar to the normal intrusive rock exposed in the tunnel and is probably an offshoot from the Apex stock. Mineralization noticeably increases in the pegmatite gneiss. Intense faulting was logged at 51, 64, and 85 feet, and the west side of the dike is believed to be the same fault contact exposed at the surface in two old prospect shafts, 250 feet SE of the "500" cut. Secondary orthoclase is present along a few fractures.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

November 5, 1962

Assays by Union Carbide Nuclear

Sample No.	% MoS_2
M558	.22
M559	.007
M560	.70
M561	.127
M562	.43
M563	.062
M564	.084
M565	.100
M566	.48
M567	1.22
M568	.123
M569	.38
M570	.35
M571	1.02
M571A	.022
M572	1.52
M573	1.20
	.473

Assays by American Metal Climax, Inc.

Sample No.	% MoS_2
M574	.698
M575	.377
M576	.124

Erwin Murphy
OME 6231

Building 20 - Federal Center
Denver 25, Colorado

October 16, 1962

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Rye Metals, Inc.
(Rye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for September 1962

Enclosed are the original and two copies of MME Form 60, MME Form 61, Operator's Narrative Report, map showing the drifting accomplished during September, a copy of the assay results from C. O. Parker & Co., and a map showing the incompleted diamond drill hole No. 1.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $4,063.70 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of September Docket No. 6231

Operator's Name Dye Metals, Inc. Contract No. 14-23-090- 2149

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	1700	157.5	668	$22,712.00			
Crosscutting		63	63	2,142.00			
Raising							
Shafts							
Winzes							
Other Underground Timber	1200	23	151	1,028.00			
Drilling, Core-Diamond BX	1000	40	40	271.20			
~~NQ~~ AX ~~Rotary~~		26	26	139.20			
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous X-cut, Drill Station	60	0	15	450.00			
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases				105.00			
Analytical Work							
TOTAL TO DATE *(per MME Form 60)*				$27,023.40			

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 October 1,1962 Operator Dye Metals, Inc.

Per Robert E. Dye 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. Connors

Title Acting Field Officer
Government Representative

Date 10-16-62

(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.

INT.DUP.,D.C.59- 61577

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OCT 29 1962

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $ 76,650.00
Gov't. Participation % 50 $38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of ~~September~~

Operator's Name Rye Metals, Inc.
Address Glenbeck, Colorado or 711 Merchants Bank Bldg., Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	$5,355.00	$17,357.00	$22,712.00	5,355.00	17,357.00	22,712.00
Crosscutting	2,142.00	0	2,142.00	2,142.00	–	2,142.00
Drilling	406.40	0	406.40	406.40	–	406.40
Timbering	184.00	1,024.00	1,208.00	184.00	1,024.00	1,208.00
I-out-drill etc.	0	450.00	450.00	–	450.00	450.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	40.00	65.00	105.00	40.00	65.00	105.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	$8,127.40	$18,896.00	$27,023.40	8,127.40	18,896.00	27,023.40

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

Date October 1, 1962 Payee Rye Metals, Inc.

Per Robert L. Nye 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:

$ 4,063.70

Signature BWB
(Authorized Certifying Officer)

Date 10/22/62 Vou. No. 2129

(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. 2149

Signature _____ Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Connors Title Acting Field Officer Date 10-16-62

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.

NARRATIVE REPORT - September, 1962

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

Herewith is summarized the exploration work completed under the Office of Mineral Exploration project for the month of September, 1962.

DESCRIPTION OF COMPLETED WORK

Drifting was continued another 15 feet northward on the Indianapolis vein early in the month. Cross-cutting was then done 63 feet westward to explore for the hanging-wall split of the vein. Since the hanging-wall split had changed strike and was projecting more towards the northeast, the Indianapolis drift was continued northward to intersect this vein rather than make two sharp curves. Total drifting footage is 88 feet. A further discussion of the Indianapolis vein features is contained under Geology and Assay Results. No timbering was required.

Crosscutting for the faulted segment of the Indiana vein was continued at the operator's expense for another 48 feet. The Indiana vein was intersected and drifting was again carried on under the OME contract for a total of 69.5 feet. The ground is highly fractured with 23 feet of timber presently installed and it is very likely that additional timber will be required. Considerable groundwater is also entering the Indiana drift. Drifting now totals 261.5 feet or only 38.5 feet short of the 300 feet allowed on the Indiana vein.

Drilling was started during September but was delayed considerably due to shortage of parts and lack of manpower, and only 74 feet was completed. The hole was started with BX core but the extremely hard silicified rock encountered made it necessary to change to AX size at 48 feet. Core recovery is 100%. Considerably increased drilling footage is anticipated in October. Surface geological mapping was completed over most of the immediate surface area during September and maps will be available in October.

GEOLOGY AND ASSAY RESULTS

Two plan maps of each drift as well as a graphic drill log are included with this report.

Indianapolis Vein

At the end of August, the foot-wall vein had decreased in intensity to only a weakly-mineralized fault. Cross-cutting was then undertaken under Contract Amendment No. 1. It was continued 63 feet to be certain of intersecting the vein but the only quartz vein of any size was the one at 20 feet in the crosscut. This consisted 4 inches of quartz and fault gouge with one inch of pyrite. This same vein has been intersected in the Indianapolis drift but it appears to be cut off by the wide N70°E fault zone shown near the end of the drift. This fault, which I am terming the Dakota fault, may be the same as that in the Indiana drift.

Indiana Vein

The crosscut beyond the Dakota fault intersected the Indiana vein and drifting was continued again on the vein. The vein has changed strike from N45°E to N30°E possibly due to another vein and fault zone which has intersected at Sta. T43 + 45 feet. The wallrock is still pre-Cambrian gneiss but it is expected that the drift will soon be in the quartz monzonite. The two veins in the face now comprise a highly altered zone 3 feet wide with considerable molybdenite near the footwall. In addition, a number of quartz veinlets and fractures in the walls contain molybdenite. Therefore, it is apparent that vein and fracture intensity are both increasing to the northeast.

Drilling

Insufficient drilling has been completed to permit much of any conclusions. Many of the fractures contain films and flakes of molybdenite together with pyrite, specularite, and some quartz. In addition, the feldspathic alteration is particularly noticeable in that secondary orthoclase is introduced along many fractures. At about 20 feet the green chloritic alteration and the pyritization start to increase noticeably. Assays of the core will be included in next month's report. Disseminated chalcopyrite was noted in a silicified zone from 66 feet to 69 feet. Calcite has been introduced along vuggy fractures from 65 feet to 74 feet.

Surface Geology

Surface geological mapping has shown that the Indiana - Indianapolis vein intersection is completely soil covered so that no new information can be gained. Detailed geochemical soil sampling will possibly be undertaken in this area.

RECOMMENDATIONS

It is recommended that consideration be given to allowing additional footage over the present 300 feet on the Indiana vein. This vein is strong and well-mineralized and warrants further exploration.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

2114 CURTIS STREET TELEPHONE MAin 3-1852

CHARLES O. PARKER & CO.

CHEMISTS • ASSAYERS • ENGINEERS
DENVER 5, COLORADO

Folio 7846

Date Sept. 29, 1962.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	VALUE PER TON
			Molybdenite (MoS_2)					
M-550			2.18%					
M-551			0.005%					
M-552			0.17%					
M-553			TRACE					
M-554			0.52%					
M-555			0.08%					
M-556			0.01%					
M-557			TRACE					

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 40.00

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

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

AUG 10 1962

OFFICIAL FILE COPY O. M. E. RECEIVED AUG 13 1962		
DATE	INITIALS	CODE
8/13	MWJ	800
	Brewster	500
~~8/14~~	~~Murphy~~	~~500~~

Memorandum

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

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado

The regular monthly inspection of the subject property was made by me August 9, 1962. You will note on the Operator's Narrative Report, accompanying his voucher for July 1962, that he now believes the vein on which we have been drifting is not the true Indiana vein if his surface projection is correct.

The Operator requested that he be allowed to crosscut from the vein which he believed to be the Indiana vein, to the true Indiana vein.

I suggested, and the Applicant agreed, that he will crosscut at his own expense in a northwesterly direction from the vein we have been following to ascertain if the Indiana vein, which shows so strongly on the surface, is really northwest of the vein we are following.

If the Operator finds, at his own expense, another vein stronger than the one we are now following, an amendment to the contract will be requested.

This operation is getting more publicity than any contract we have in this Region. Bear Creek, a subsidiary of Kennecott, is looking at the property. Also the Climax Molybdenum Company is very interested. The Operator had a letter from Robert Adams, President of Western Nuclear, expressing his interest in the property.

Hugh M. Connors

Hugh M. Connors

OFFICIAL FILE COPY
O. M. E
RECEIVED SEP 20 1962
DATE
9/20 J.S.F. 110
Gleason 500
Hal Murphy

Building 20 - Federal Center
Denver 25, Colorado

September 14, 1962

6-60461

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Rye Metals, Inc.
(Rye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for August 1962

Enclosed are the original and two copies of MME Form 60, MME Form 61, Operator's Narrative Report, maps showing the drifting accomplished during August 1962, and a copy of the assay results for 40 samples which were assayed by the American Metals Climax, Inc.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $2,710.50 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments

MME FORM 61
SEPT. 1959

OME

DEPARTMENT OF THE INTERIOR

SEP 1962

RECEIVED

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of August Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149

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	1700	141.5	510.5	17,357.00			
Crosscutting Drill Sta.	60	15	15	450.00			
Raising							
Shafts							
Winzes							
Other Underground Timbering	1200	20	128	1,024.00			
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				65.00			
TOTAL TO DATE *(per MME Form 60)*				18,896.00			

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. 4, 1962 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Parsons

Title Acting Field Officer
Government Representative

Date 9-24-62

(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.

INT.DUP.,D.C.59- 61577

MME FORM 60
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. n 6231
Contract No. 14-23-090-2149
Contract Amount $76,650.00
Gov't. Participation %50 $38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of August

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or 711 Merchants Bank Building, Indianapolis, Indiana

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	[redacted]					
Drifting	4,811.00	12,546.00	17,357.00	4,811.00	12,546.00	17,357.00
Crosscutting Drill Sta	450.00	0	450.00	450.00	–	450.00
Drilling						
Timbering	160.00	864.00	1,024.00	160.00	864.00	1,024.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	0	65.00	65.00	–	65.00	65.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS	5,421.00	13,475.00	18,896.00	5,421.00	13,475.00	18,896.00

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

Date Sept. 4, 1962 *Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 2,710.50

Signature BHB
(Authorized Certifying Officer)

Date 9/18/62 Vou. No. 1457

(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. 2149

Signature Hugh M. Tonnore Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Tonnore Title Acting Field Officer Date 7-14-62

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.

NARRATIVE REPORT - August, 1962

NYE METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231

Contract No. 2149

INTRODUCTION

Herewith is summarized the exploration work completed under the Office of Mineral Exploration project for the Month of August, 1962.

DESCRIPTION OF COMPLETED WORK

Exploration in August has again consisted only of drifting: 118 feet northward on the Indianapolis vein and 23.5 feet northeastward on the Indiana vein. It was intended that diamond drilling should start in August, but a delay in shipment of necessary drill parts made this impossible. Drilling is now projected to start the first part of September. Drifts are at least 6x8 feet in size and timber, rail, air line, water line, and vent pipe have all been installed according to contract specifications. No timbering was required in the Indianapolis drift but 20 feet was required in the Indiana drift near a major northeast fault which has been encountered.

In addition to drifting, one drill station for Hole No. 1 was made at a point 370 feet north of the main tunnel. This crosscut was extended 45 feet at the operator's expense to be used for switching cars as well as for exploration. Since considerable work was done in the Indiana vein area at the operator's expense, the average daily footage under the contract is difficult to calculate this month.

Surveying, mapping, and sampling of both headings have been systematically completed.

GEOLOGY AND ASSAY RESULTS

Two assay maps as well as the large underground geologic map are included with this report.

Indianapolis Vein

This vein northward from Sta. T35 steadily decreased in width and intensity of mineralization until it is presently a fault with no

quartz and only minor molybdenite. Therefore, on August 31, a formal request was made for an amendment to the contract to permit crosscutting to the hanging-wall vein and thence drifting northward again. The presence of a hanging-wall vein was suspected and mentioned in the July narrative report. It was confirmed by the crosscut driven at drill station No. 1. This vein consists of a zone 1.5 feet wide composed of a 6" quartz vein and many quartz veinlets in addition to some molybdenite (See Sample M-536.) The number of oblique northeast fractures along the footwall vein has decreased considerably, thereby accounting for the lower grade of the walls.

Indiana Vein

Drifting was continued early in the month to a point 18.5 feet past Sta. T37. Since the vein was still narrow and "out-of-place" considering a projection of the northwest dip at surface, and a major fault zone was being encountered, it was decided best to crosscut to the northwest and determine whether the present drift is on the best split of the Indiana vein. Crosscutting of this nature was not provided for in the contract and this work was and is being done at the operator's expense. The first short crosscut was abandoned due to very heavy caving ground in the fault zone and another was started and is presently past the fault. If the northwest surface dip continues to this depth, the vein should soon be intersected on the north side of the fault.

Last movement on this fault has been post-mineral and of major intensity. However, there was also much pre-mineral fracturing in this zone as evidenced by considerable mineralization, particularly shown by Sample M526 (12.0 feet of .539% MoS_2). Molybdenite along the fault zone is much more abundant in the quartz monzonite than in the hornblende gneiss, thereby illustrating their relative favorabilities. This fault appears to be the same one encountered 450 feet from the portal, and, if so, will project about 100 feet ahead of the present Indianapolis north face. The fault zone contains rubber gouge, indicating substantial movement, and is from 10 - 15 feet wide.

ANTICIPATED EXPLORATION CHANGES

After the exact nature of the Indiana vein and its associated major northeast fault is known, a decision will have to be made after consultation with government engineers, as to further drifting on the Indiana vein.

Respectfully submitted,

Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

Assay Results - Nye Metals, Inc. August 30, 1962

Assays by American Metal Climax, Inc.

Sample	% MoS_2
M-493	0.073
M-499	0.127
M-500	0.157
M-501	0.016
M-502	0.017
M-503	0.195
M-504	0.023
M-505	0.033
M-506	0.038
M-507	0.028
M-508	0.070
M-518	0.508
M-519	0.073
M-520	0.028
M-522	0.173
M-523	0.150
M-524	0.422
M-525	0.012
M-526	0.539
M-527	0.047
M-528	0.021
M-529	0.066
M-534	0.058
M-535	0.023
M-536	0.131
M-537	0.016
M-538	0.009
M-539	0.061
M-540	0.159
M-541	0.276
M-542	0.366
M-543 (A)	0.279
M-543 (B)	0.244
M-544	0.598
M-545	0.070
M-546	0.010
M-547	0.014
M-548	0.007
M-549	0.009
M-521	0.052
	0.130 arithmetic

Building 20 - Federal Center
Denver 25, Colorado

AUG 10 1962

OFFICIAL FILE COPY
O. M. E
RECEIVED AUG 20 1962

DATE	INITIALS	CODE
8-21		100
8/21		110
"	Received	500
8/22	Murphy	

AIRMAIL

To: Fiscal Section, Division of Administrative Services
Office of the Secretary, Department of the Interior
Washington 25, D. C.

From: Acting Field Officer, OME, Region III

Subject: OME-6231 (Molybdenum)
Contract No. 2149
Nye Metals, Inc.
(Nye Molybdenum Mine)
Gilpin County, Colorado
Operator's Monthly Progress Report for July 1962

Enclosed are the original and two copies of MME Form 60, MME Form 61, Operator's Narrative Report, maps showing the drifting accomplished during July 1962, and a copy of the assay results for 13 samples.

This contract is on a short form and work which is allowed is on a fixed unit cost basis.

Subject to your verification of the arithmetical accuracy of the report, it is recommended that the Operator be reimbursed $6,737.50 which is 50 percent of the amount claimed on MME Form 60.

Original signed by

Hugh M. Connors

Attachments

OME FORM 60
SEPT. 1959

OME
DEPARTMENT OF THE INTERIOR
AUG 3 1962
REGION III
DENVER, COLORADO

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

Docket No. 6231
Contract No. 14-23-090-2149
Contract Amount $ 76,650.00
Gov't. Participation % 50 $ 38,325.00
Mineral(s) Molybdenum

OPERATOR'S MONTHLY VOUCHER

For Month of July, 1962

Operator's Name Nye Metals, Inc.
Address Blackhawk, Colorado or 711 Merchants Bank Bldg. Indianapolis, Indiana

COST CATEGORIES	FOR OPERATOR'S USE: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE	FOR GOVERNMENT APPROVAL ONLY: MONTHLY TOTAL	PREVIOUSLY REPORTED	TOTALS TO DATE
Fixed Unit Costs and						
(1) Independent Contracts:						
Bulldozing						
Drifting	$12,546.00	-0-	$12,546.00	12,546.00	-0-	12,546.00
Crosscutting						
Drilling						
Timbering	864.00	-0-	864.00	864.00	-0-	864.00
(2) Personal Services:						
Supervision & Technical						
Outside Consultants						
Labor						
(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	65.00	-0-	65.00	65.00	-0-	65.00
Payroll Taxes						
Employee's Liability Ins.						
TOTALS			$13,475.00	13,475.00	-0-	13,475.00

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

Date August 1, 1962 Payee Nye Metals, Inc.

Per Robert E. Nye 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:

$ 6,737.50

Signature BHB
(Authorized Certifying Officer)

Date 8/21/62 Vou. No. 874

(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. 2149

Signature Hugh M. Emmons Title _____ Date _____

Approved by OME Executive Officer or Alternate:

Signature Hugh M. Emmons Title Acting Field Officer Date 8-10-62

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
AUG 13 1962
OFFICE OF THE SECRETARY
FISCAL SECTION

MME FORM 61
SEPT. 1959

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF MINERALS EXPLORATION

OPERATOR'S PROGRESS REPORT For Month of July, 1962 Docket No. 6231

Operator's Name Nye Metals, Inc. Contract No. 14-23-090- 2149

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	1700	369	369	$12,546.00			
Crosscutting							
Raising							
Shafts							
Winzes							
Other Underground Timbering	1200	108	108	864.00			
Drilling, Core-Diamond							
Rotary							
Drilling, Non-core-Diamond							
Rotary							
Churn							
Percussion							
Miscellaneous							
Roads and Trails							
Stripping							
Trenching							
Test Pitting							
Other Surface Work							
Initial Rehabilitation and Repairs							
Rehabilitation of Mine Workings							
New Buildings, Fixtures, etc.							
Operating Equipment Purchases							
Analytical Work				65.00			
TOTAL TO DATE (per MME Form 60)				$13,475.00			13,475.00

BHB

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 August 1, 1962 Operator Nye Metals, Inc.

Per Robert E. Nye 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. Lawson

Title Acting Field Officer
Government Representative

Date Aug. 10, 1962

(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.

2114 CURTIS STREET

TELEPHONE MAIn 3-1852

CHARLES O. PARKER & CO.

CHEMISTS • ASSAYERS • ENGINEERS
DENVER 5, COLORADO

Folio 7818

Date July 25, 1962.

Nye Metals, Inc.,
Blackhawk,
Colorado.

We hereby Certify, that the samples assayed for you gave the following results:

DESCRIPTION	GOLD OUNCES PER TON	SILVER OUNCES PER TON	COPPER PER CENT (WET)	LEAD PER CENT (WET)	ZINC PER CENT	IRON PER CENT	INSOLUBLE PER CENT	Molybdenite (MoS2)	VALUE PER TON
N-474								13.02%	✓
N-475								0.09%	
N-476								3.35%	✓
N-477								0.91%	✓
N-478								1.84%	✓
N-479								0.05%	
N-487								0.72%	✓
N-488								0.25%	
N-489								0.22%	
N-490								0.13%	
N-491								0.15%	
N-492								0.05%	
N-493								0.05%	

Gold at _____ per ounce Copper at _____ per unit

Silver at _____ per ounce Zinc at _____ per unit

Lead at _____ per unit _____

Charge $ 65.00

CHARLES O. PARKER & CO.
CHEMISTS, ASSAYERS and ENGINEERS

NARRATIVE REPORT- JULY, 1962

NYM METALS, INC.

MOLYBDENUM EXPLORATION PROJECT

Gilpin County, Colorado

Docket No. 6231
Contract No. 2149

INTRODUCTION

This report summarizes work completed under the above-described Office of Mineral Exploration project for the last part of June and the entire month of July. Since work was commenced on June 19th, it was agreed that the first voucher and reports would be submitted at the end of July.

DESCRIPTION OF WORK COMPLETED

Exploration work thus far has consisted only of drifting: 200.5 feet northward on the Indianapolis vein and 168.5 feet northeastward on the Indiana vein. All drifts are at least 6 feet x 8 feet in size. Timbering was required only in the Indianapolis drift and is presently installed to a point 25 feet from Sta. T34. The remaining 92 feet to the face is standing well but a few timber sets may be needed if any sloughing of the blocky quartz monzonite appears imminent. Timber(8" x 8") rail (30#), air line (4"), water line (1"), and vent pipe (12") have all been installed according to contract specifications. About 36 working days have been put in, making an average of 10.25 feet per day.

No unusual problems have been encountered. The amount of water being developed varies considerably and is fairly heavy in certain fracture zones.

Both drifts have been transit surveyed and geological mapping completed on a scale of 1" = 50'. In addition, detailed surface geological mapping is in progress to aid in the proper interpretation and guidance of underground exploration, as well as delineate suitable drilling targets.

GEOLOGY AND ASSAY RESULTS

Both veins have remained narrow (less than 0.5 foot) although sometimes two or three quartz molybdenite stringers may be present in the face in addition to molybdenite films along other fractures. Accompanying

geologic-assay maps show all the assays with locations indicated, and these will not be repeated. Assays have not been completed for the last portion of each drift and these will be included next month.

Indianapolis Vein

Nearly every fracture of any consequence will contain some visible molybdenum, particularly in the last 60 feet of drift.

The assays show that the vein, regardless of width, is highly mineralized and the walls contain significant amounts of molybdenum.

The last portion is in a sheeted zone, in which the more closely spaced fractures are nearly all mineralized. Most of them strike N60°W and dip 65° - 70° N. The amount of disseminated pyrite also appears to have increased. A parallel well-mineralized quartz vein (2" wide) was observed at Sta. T31 + 65', which would be out in the west wall of the drift. This warrants some further attention.

Another feature which bears further investigation is the slight change in vein strike in the vicinity of Sta. T25 from N-S to N10°E. The present drift is following what appears to be the main split. However, a narrow but well-mineralized hanging wall split extends into the wall about 15 feet south of T25.

Indiana Vein

Drifting followed the vein in the pre-Cambrian biotite gneiss to a point at Sta. T33 + 30' where the quartz monzonite intrusive was intersected. This was expected sooner, but the contact swung sharply to the northeast. The vein at the present time is along the gneiss quartz monzonite contact.

Some post mineral faulting was originally expected and indicated on the application map. Two substantial faults have been cut but the first displaced the vein about a foot and the second is as yet unknown but probably similar. As a result, this drift is now to a point where it is obviously on a vein paralleling the projection of the Indiana vein from surface. At the surface dip of 78°, a 45-foot offset to the northwest should occur at the Indiana drift level. The offsetting factor is that no vein was cut farther west in the main tunnel. Possibly it dies out in the gneiss.

REQUESTED EXPLORATION CHANGES OR CLARIFICATION

Indianapolis Vein

Since specific drill sites were not specified in the contract, it is

requested that one drill site be located at the end of the main tunnel. No drill station preparation will be necessary. It should be drilled about 200 feet in a due East direction. The second drill site is requested at a point about 400 feet north of the main tunnel or at Sta. T34 + 90'. The hole is recommended to be drilled about 200 feet in a due West direction. Preparation of a drill station will be necessary. This hole might best be drilled first to explore the possible hangingwall split of the Indianapolis vein, as well as the low-grade wallrock potential.

Indiana Vein

Since drifting thus far has not disclosed any major post-mineral faulting and the present vein appears to be a parallel one of lesser intensity, it is requested that a portion of the drifting footage be applied against cross-cutting to the north to intersect the true Indiana vein. From 50-75 feet of crosscutting will probably be required, depending on any change in dip in 200 feet. This crosscut would have the further advantage of exploring the low-grade molybdenum potential near the gneiss-quartz monzonite contact. Further drifting on the present vein is not recommended, until this geological problem is solved.

Respectfully submitted,

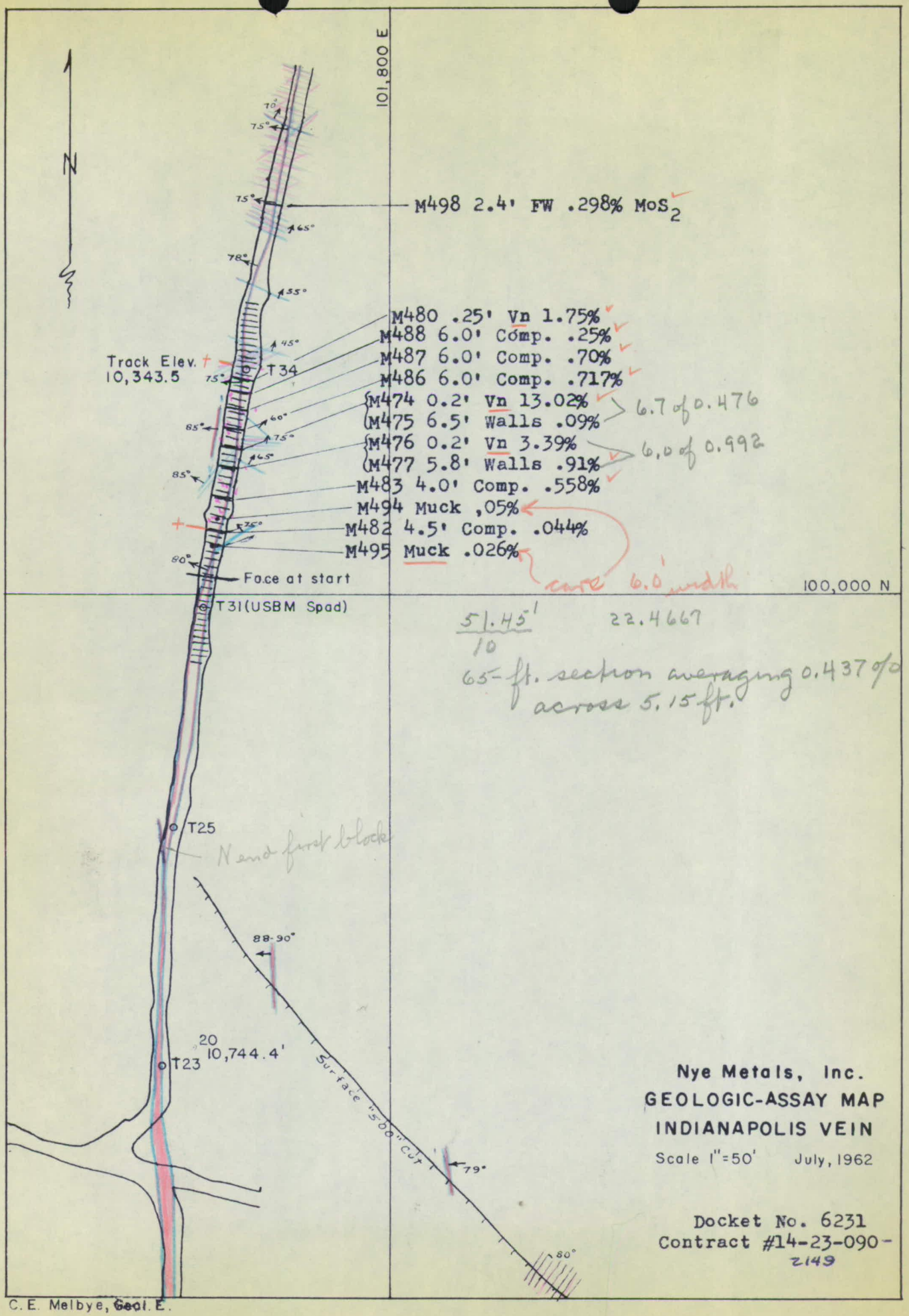
Charles E. Melbye

Charles E. Melbye
Geological Engineer
Consultant to Nye Metals, Inc.

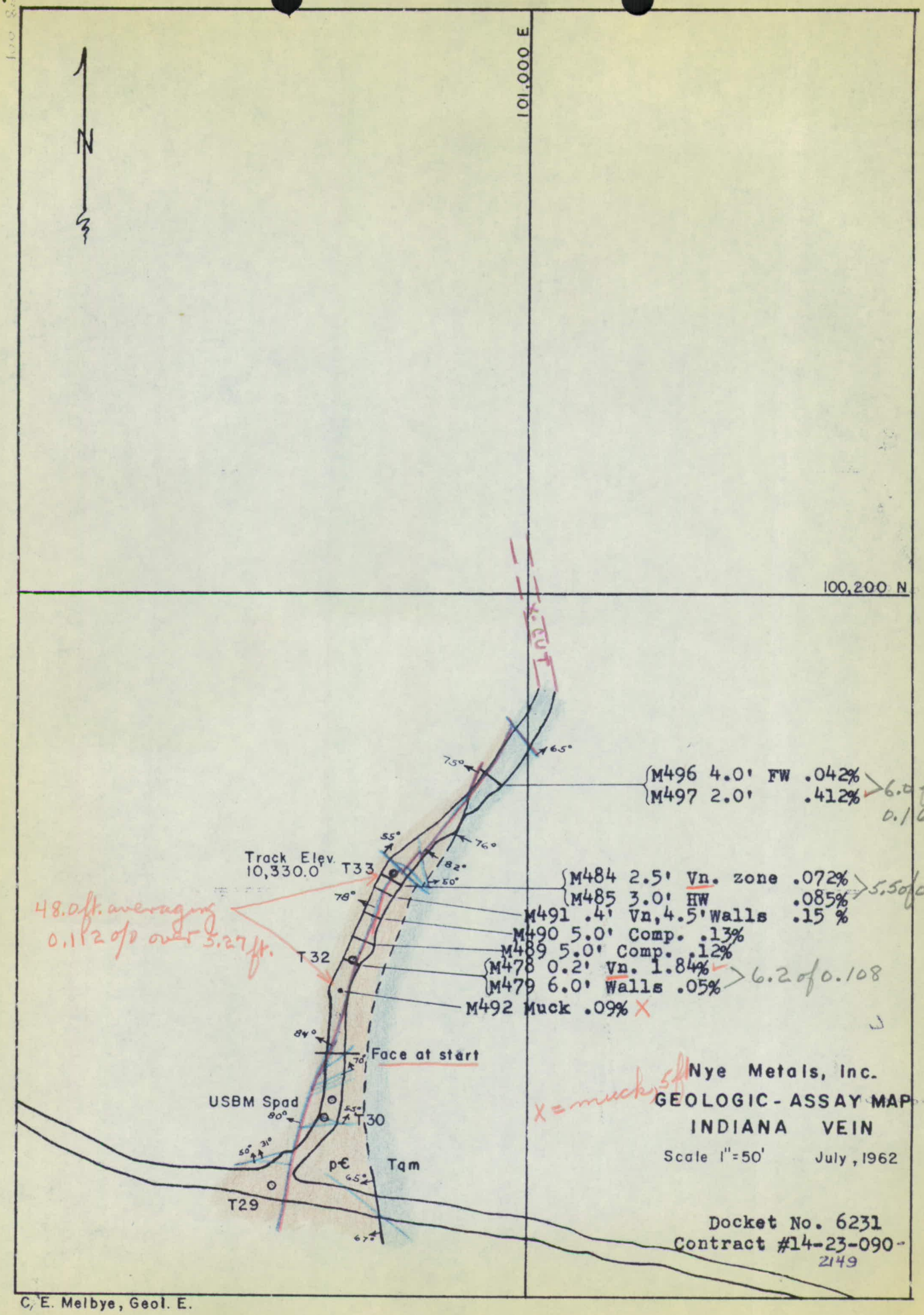
July 31, 1962

Assays by American Metal Climax

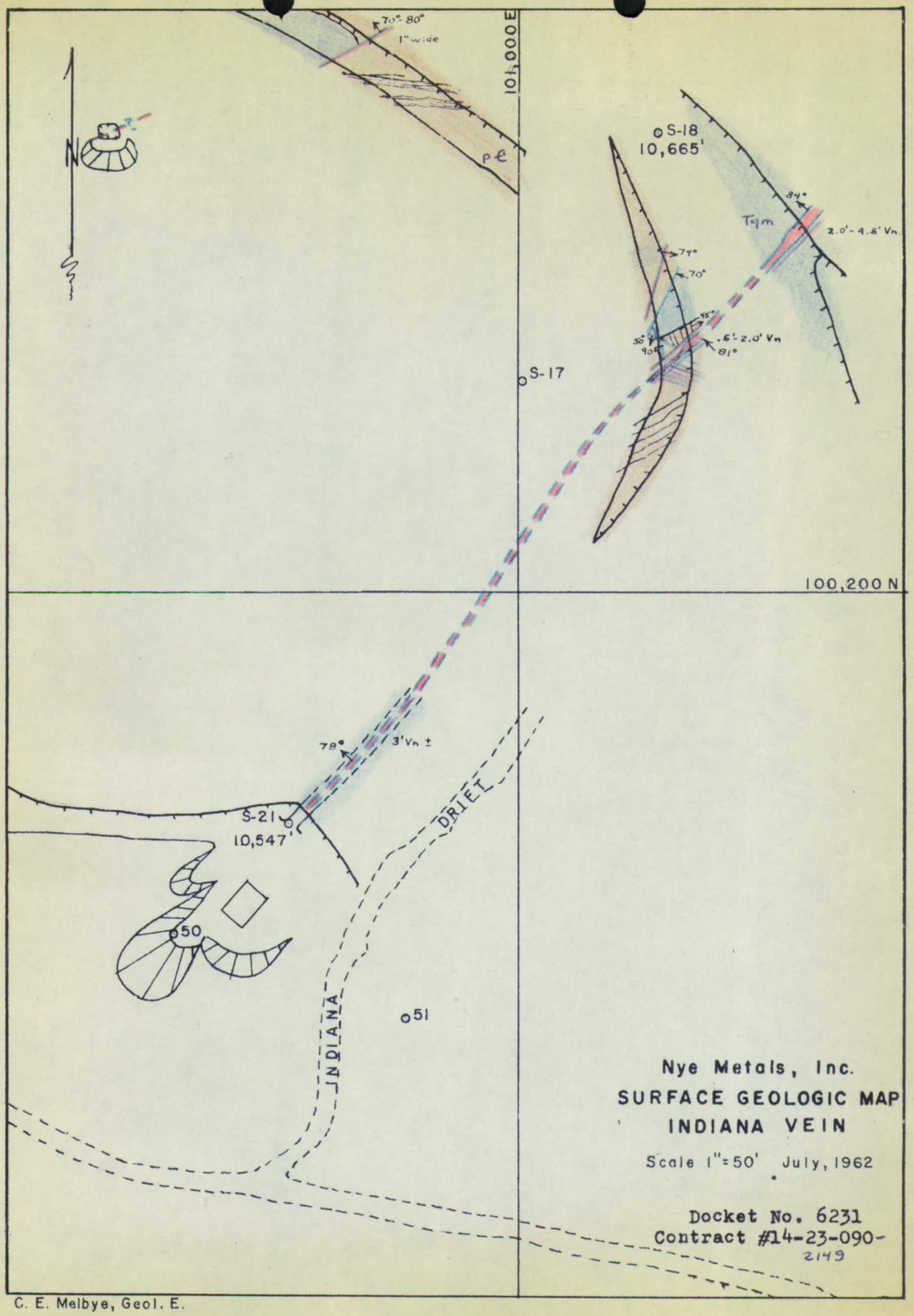
		$\%MoS_2$
N480	-	1.75
N481	-	0.042
N482	-	0.044
N483	-	0.558
N484	-	0.072
N485	-	0.085
N486	-	0.717
N495	-	0.026
N496	-	0.042
N497	-	0.412
N498	-	0.298



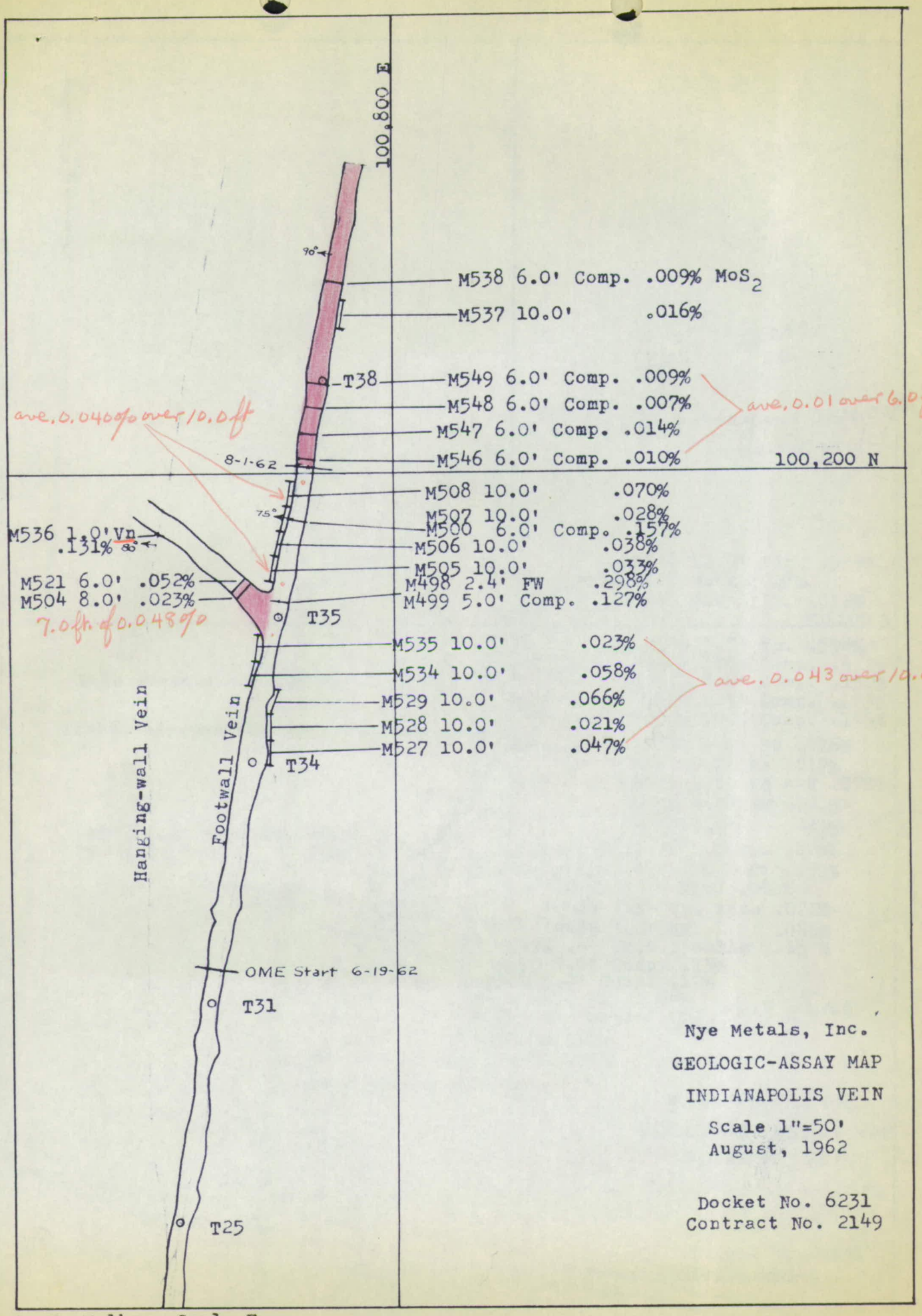
C.E. Melbye, Geol. E.



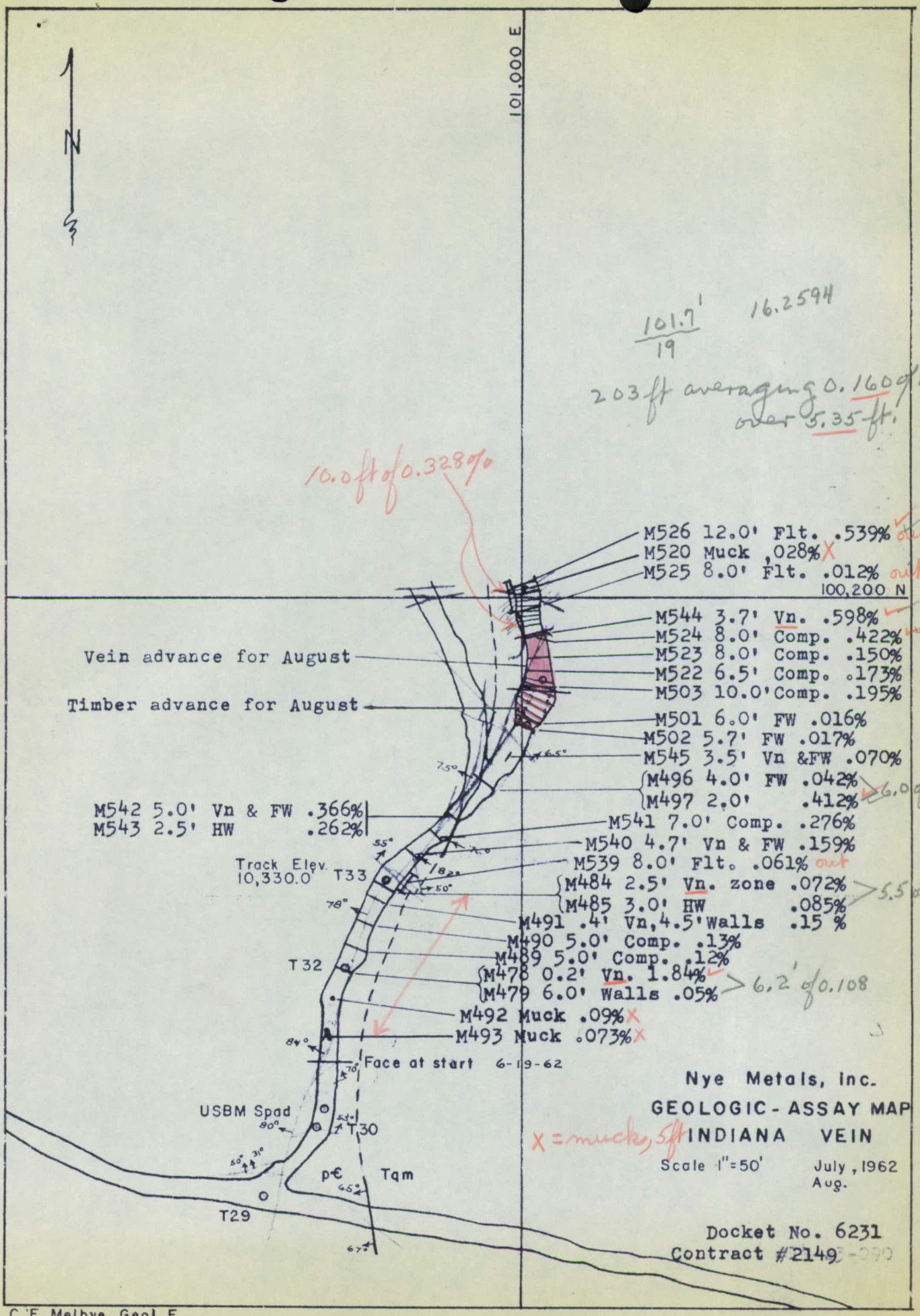
C. E. Melbye, Geol. E.



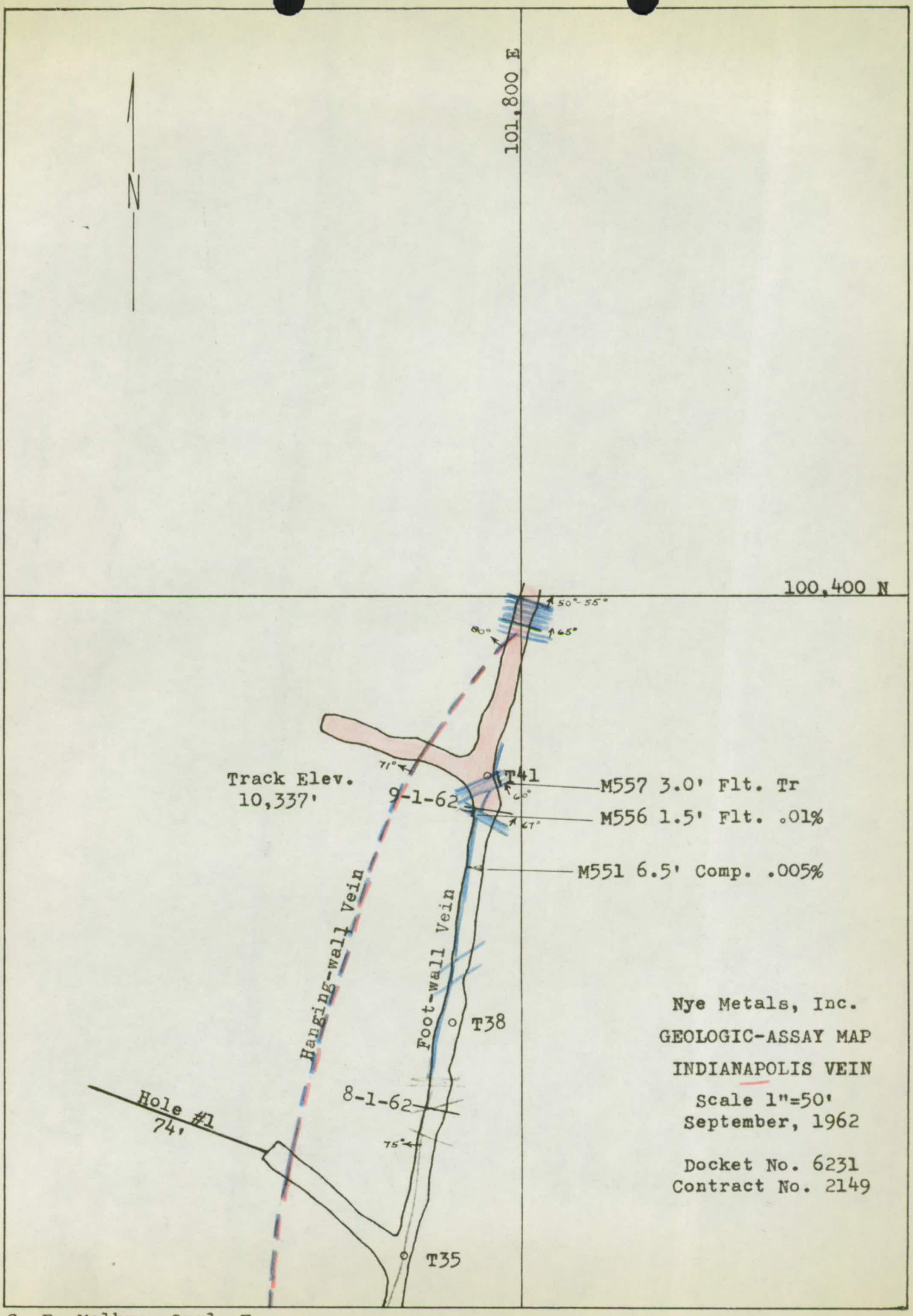
C. E. Melbye, Geol. E.



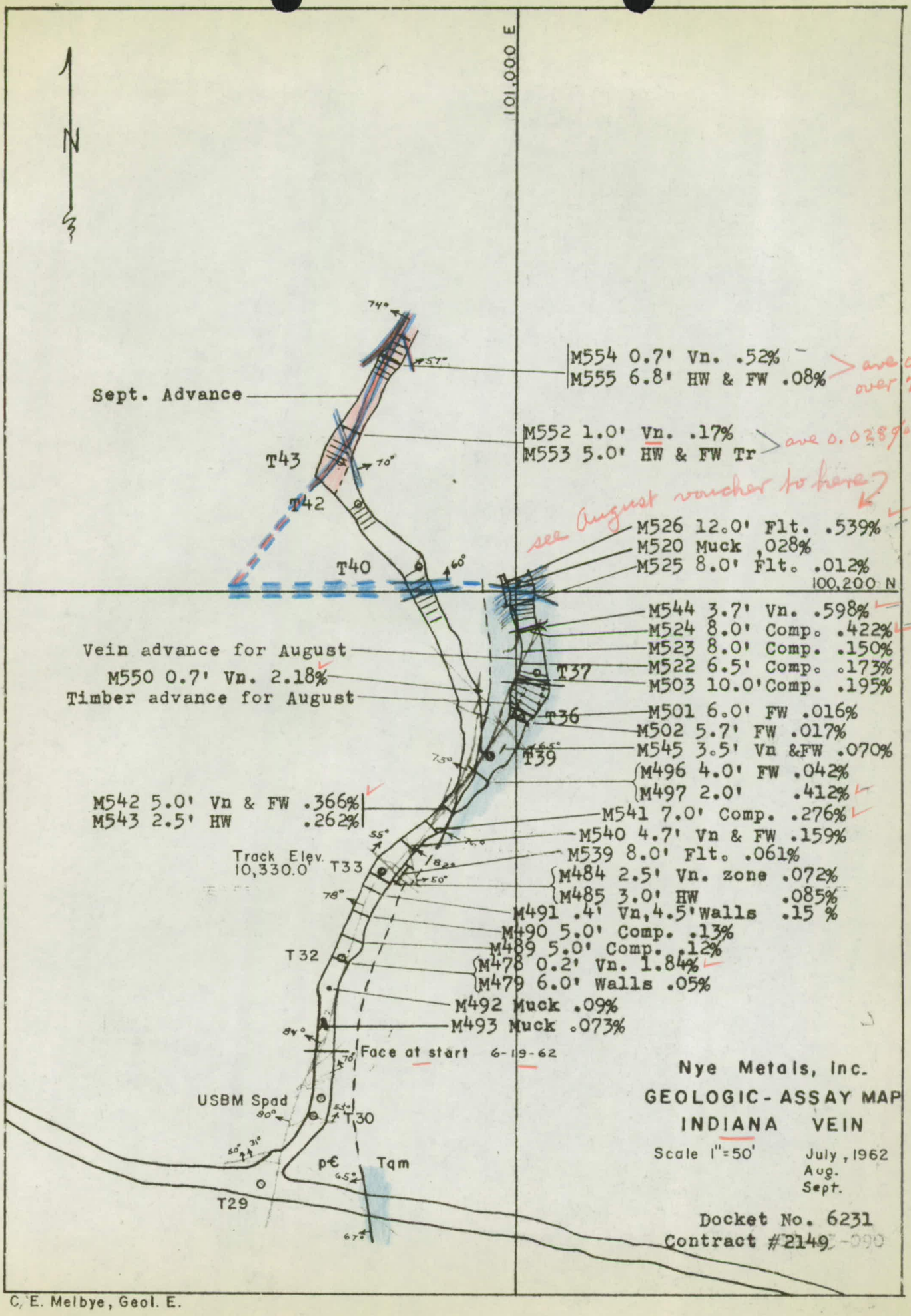
C. E. Melbye, Geol. E.



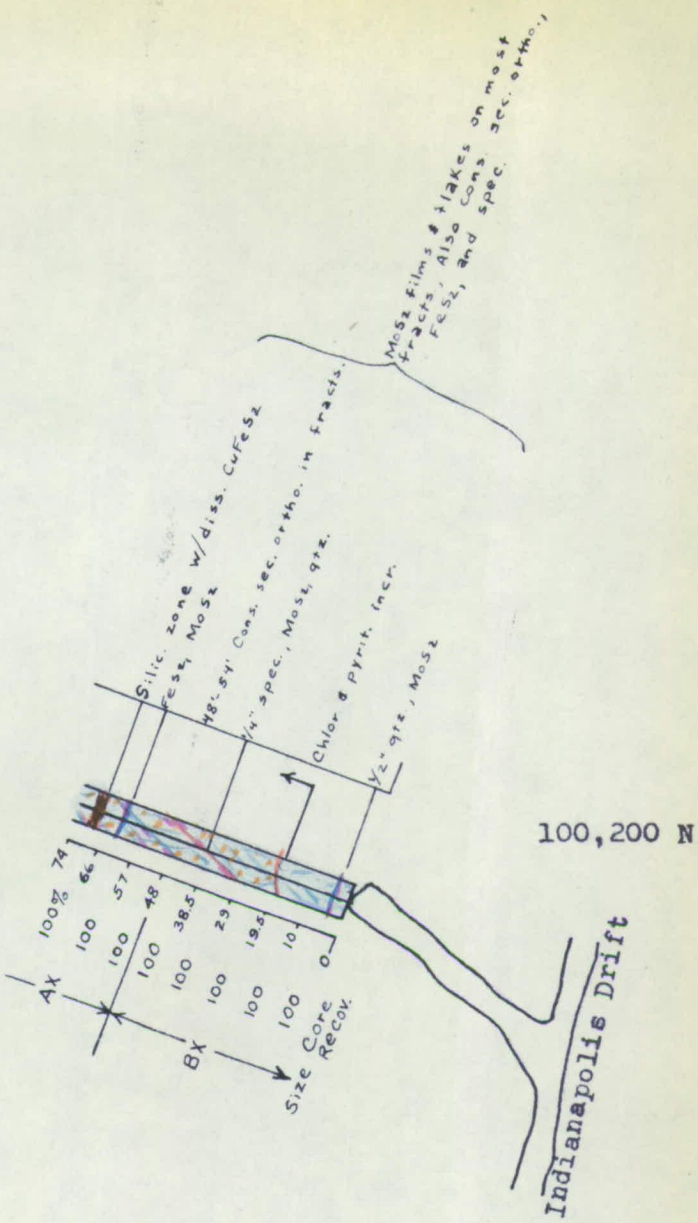
C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



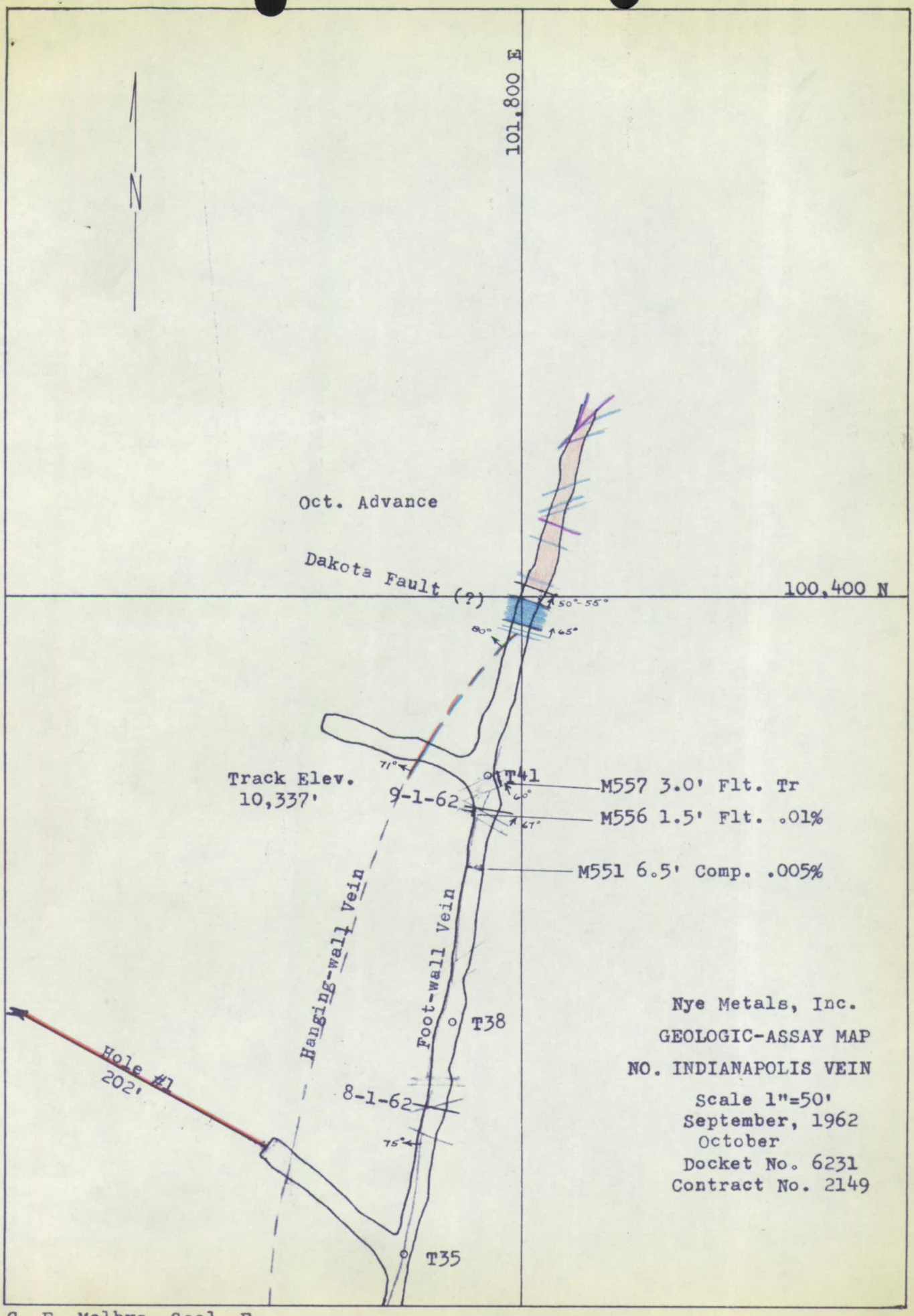
Nye Metals, Inc.

GEOLOGIC-ASSAY LOG

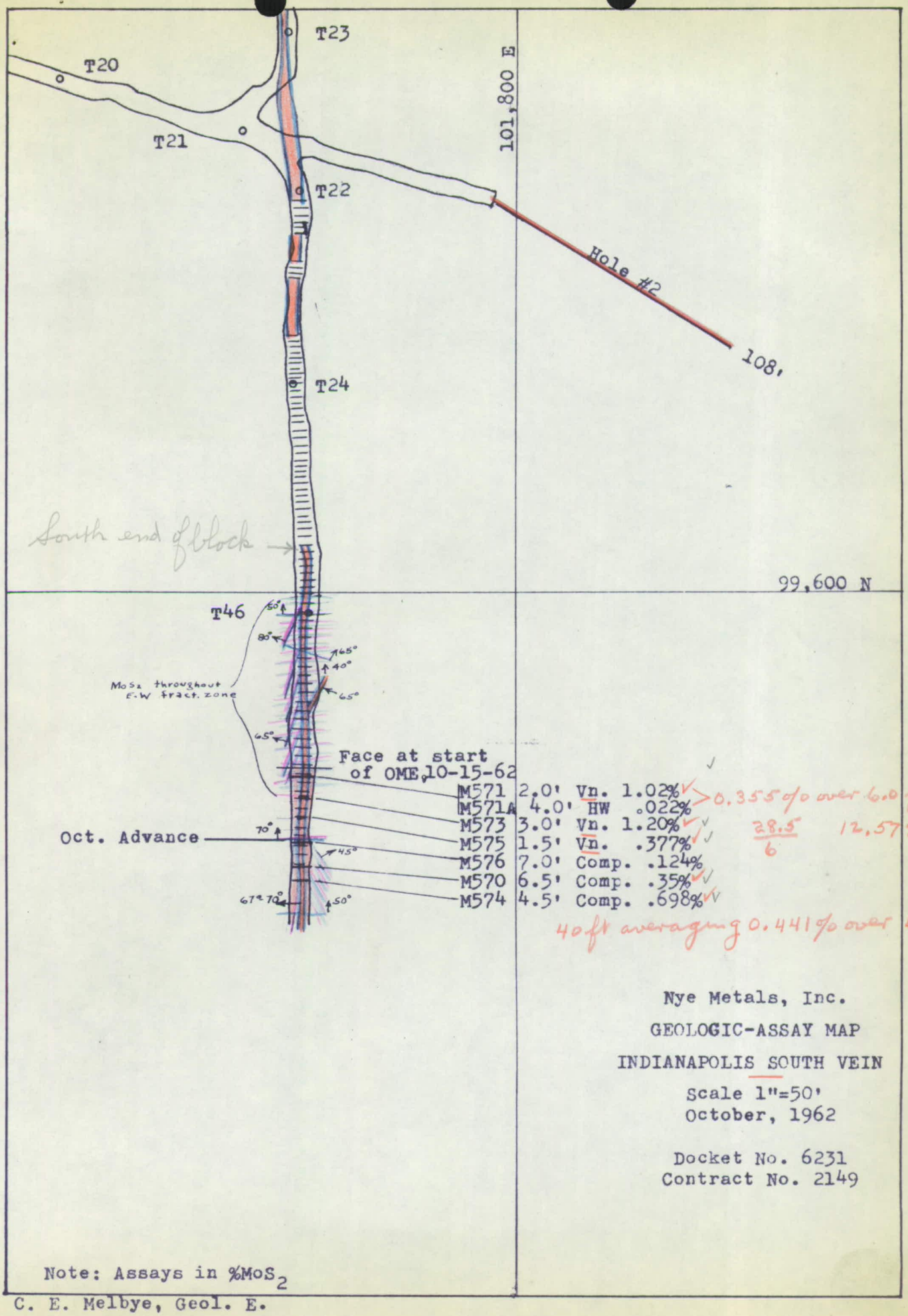
HOLE NO. 1

Scale 1"=50'
Elev. 10,340'
September, 1962
Docket No. 6231
Contract No. 2149

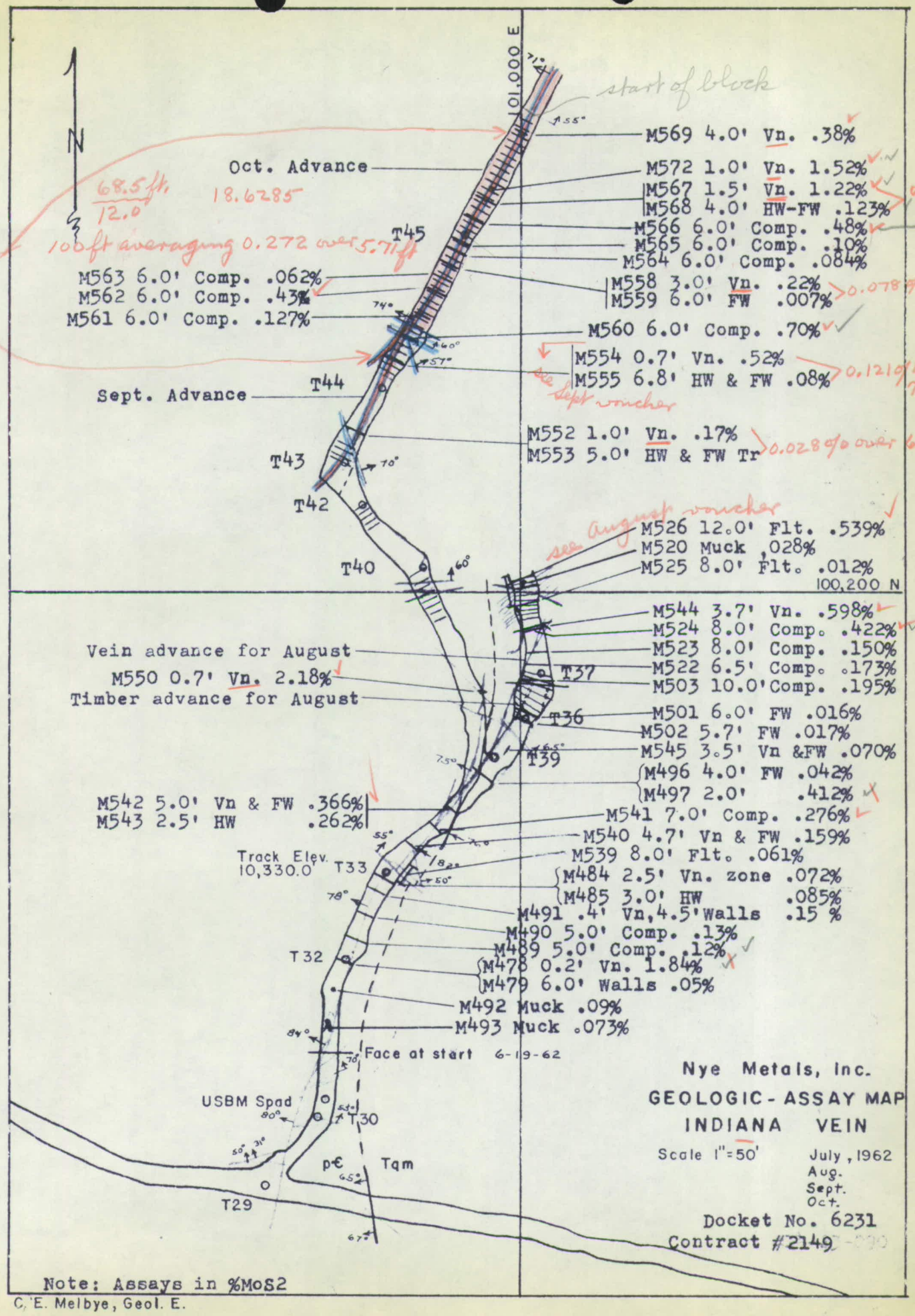
C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.

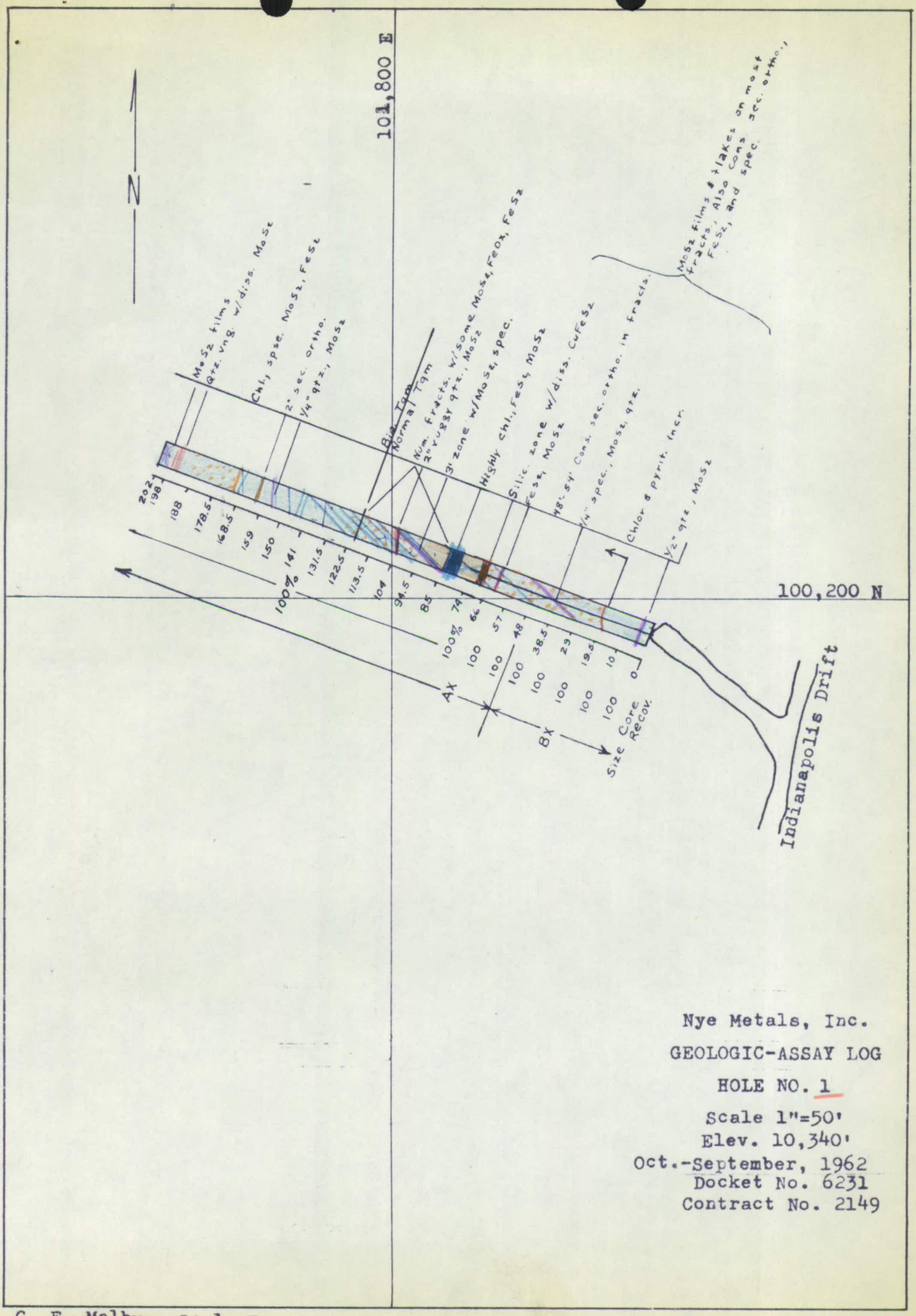


C. E. Melbye, Geol. E.



Note: Assays in %MoS2

C. E. Melbye, Geol. E.



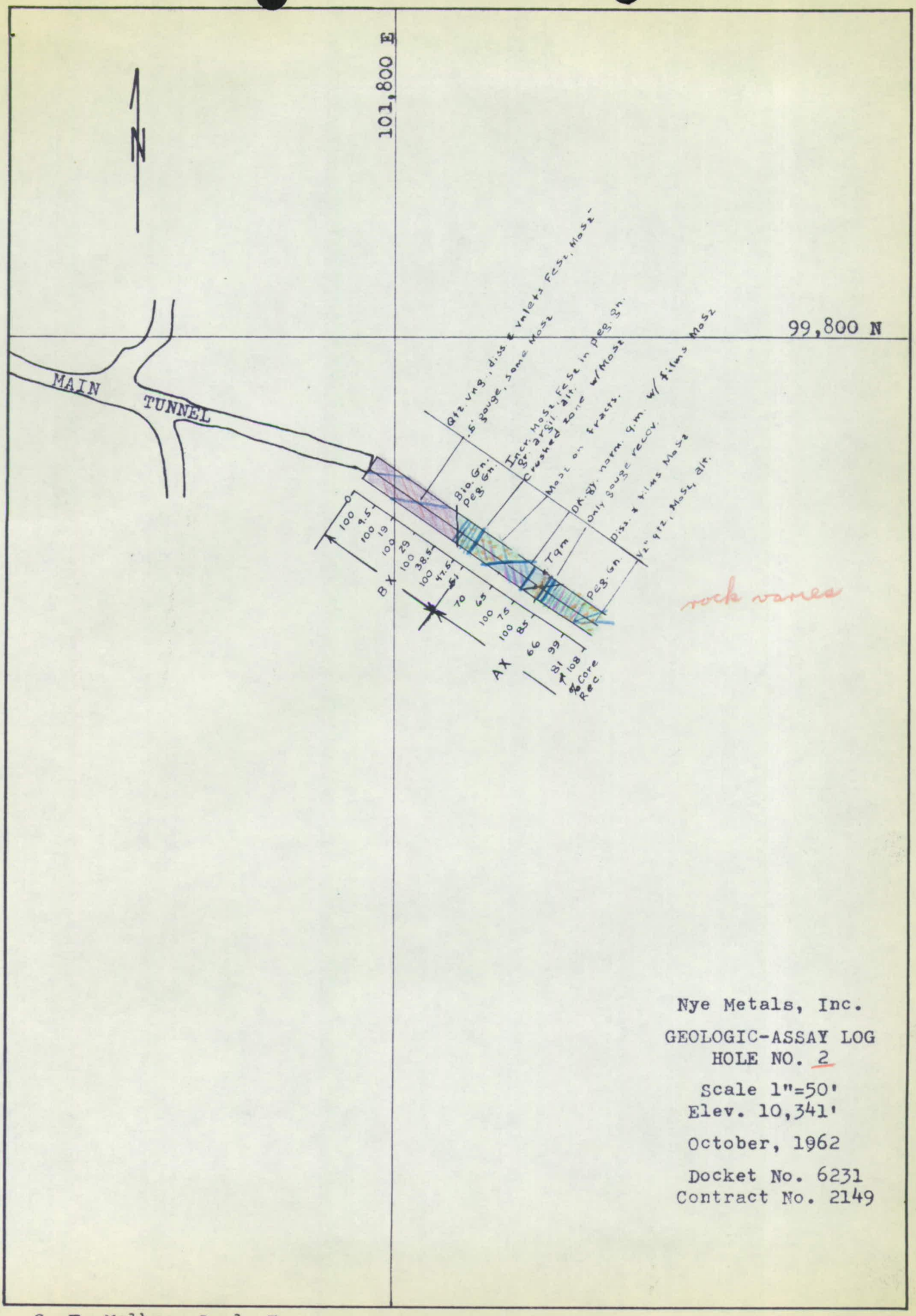
Nye Metals, Inc.

GEOLOGIC-ASSAY LOG

HOLE NO. 1

Scale 1"=50'
Elev. 10,340'
Oct.-September, 1962
Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



Nye Metals, Inc.

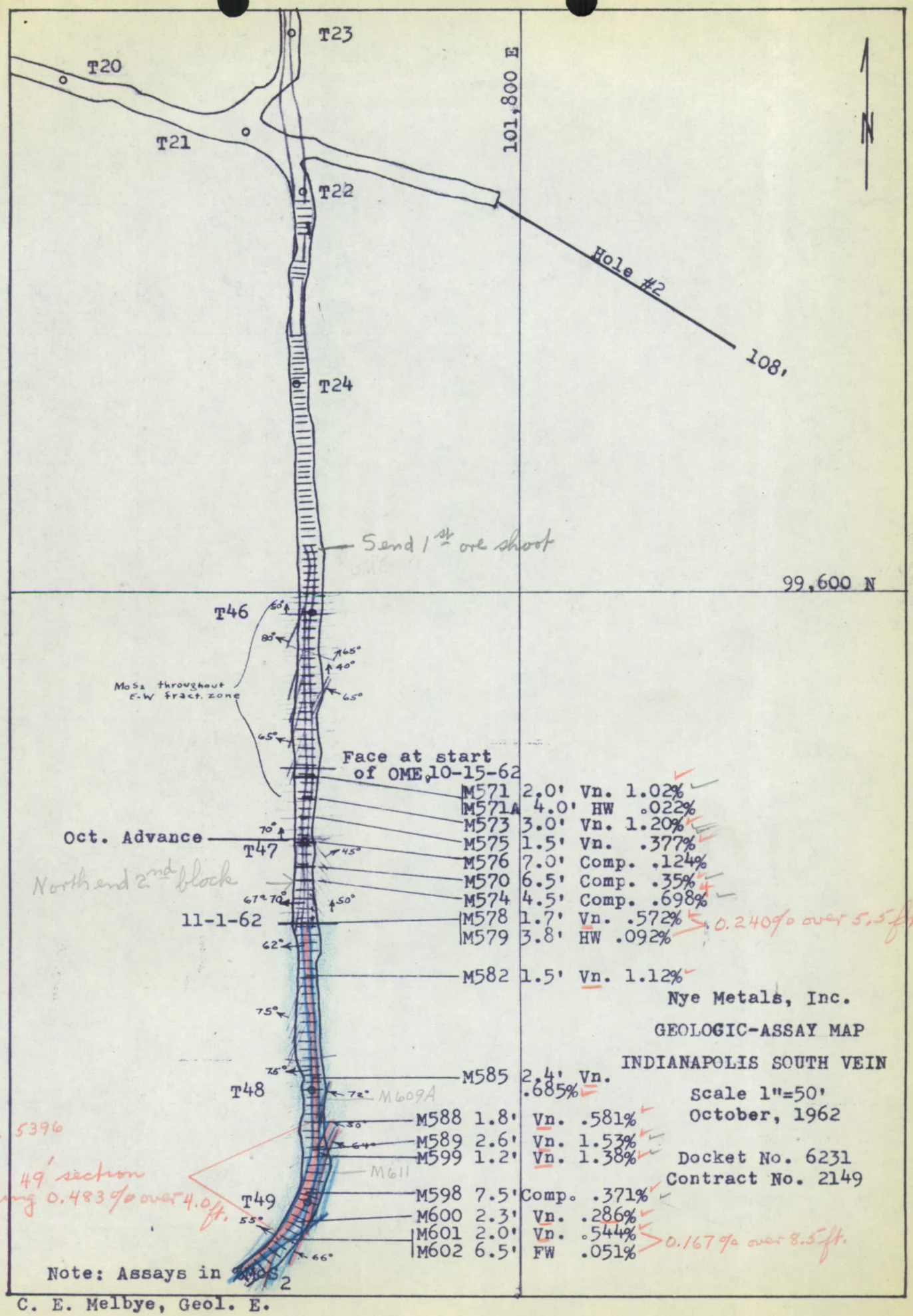
GEOLOGIC-ASSAY LOG
HOLE NO. 2

Scale 1"=50'
Elev. 10,341'

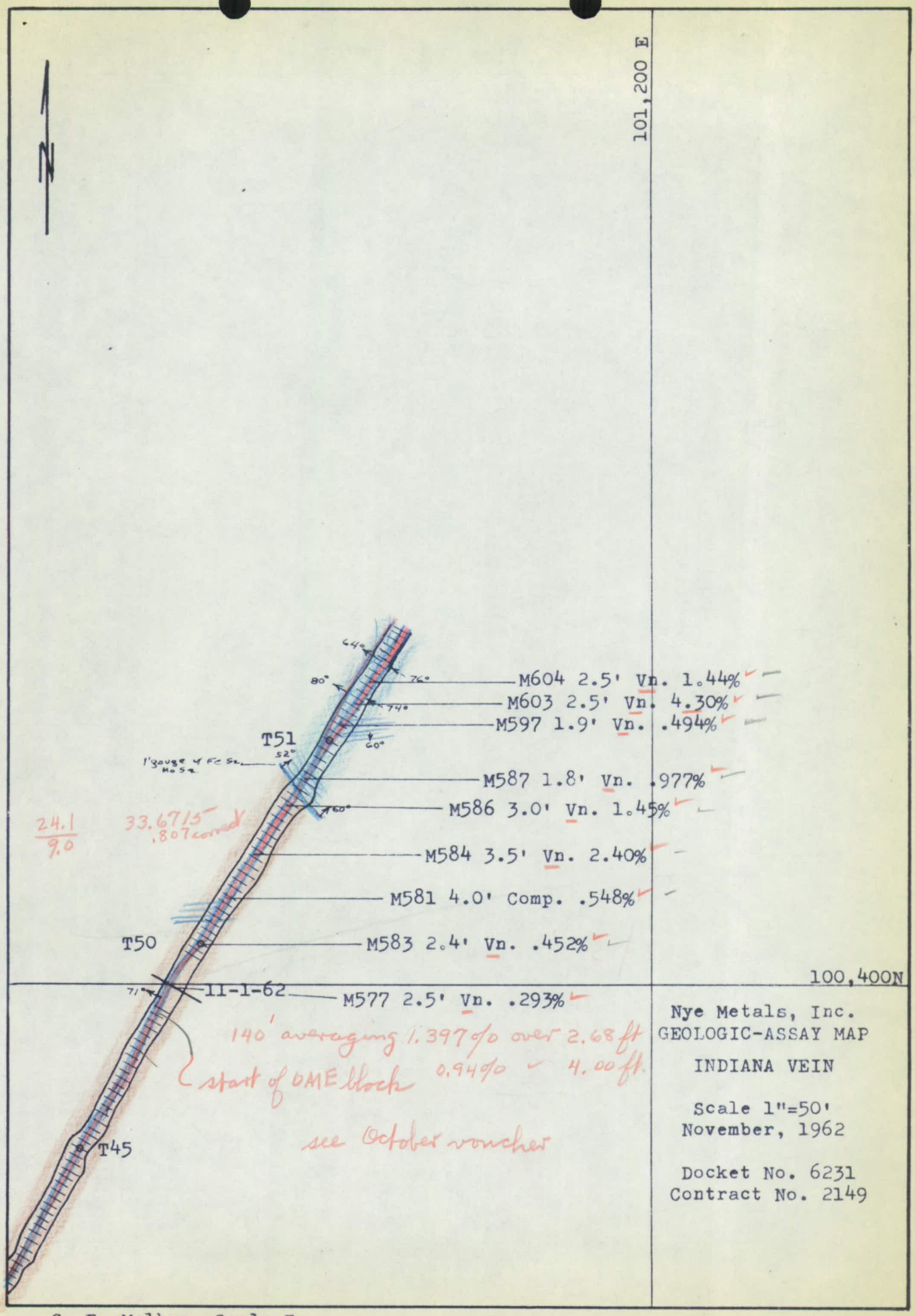
October, 1962

Docket No. 6231
Contract No. 2149

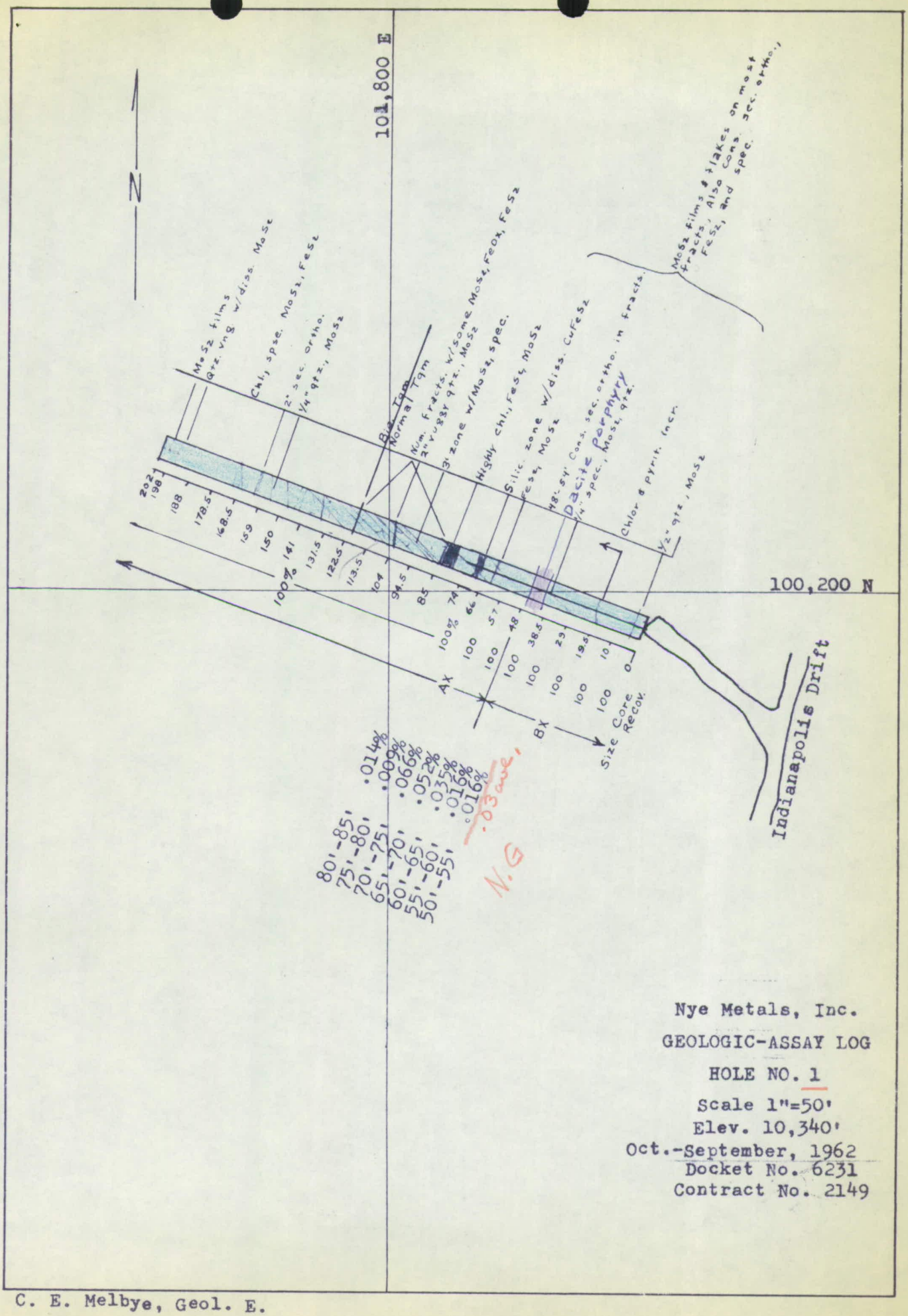
C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



Nye Metals, Inc.

GEOLOGIC-ASSAY LOG

HOLE NO. 1

Scale 1"=50'

Elev. 10,340'

Oct.-September, 1962

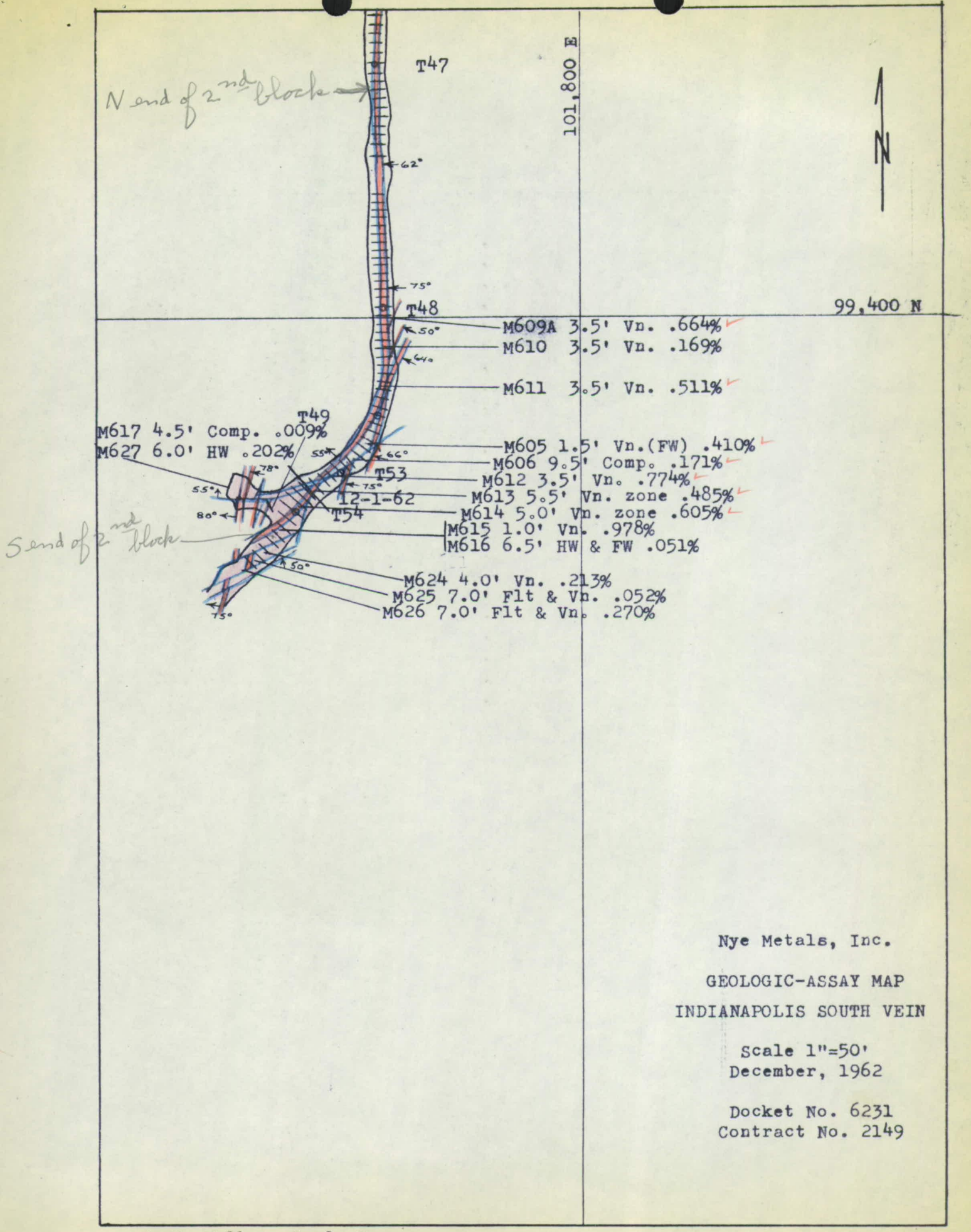
Docket No. 6231

Contract No. 2149

C. E. Melbye, Geol. E.

Assay Results by American Metal Climax, Inc.

Sample No.	% MoS_2
M-577	0.293
M-578	0.572
M-579	0.092
M-580	0.018
M-581	0.548
M-582	1.12
M-583	0.452
M-584	2.40
M-585	0.685
M-586	1.45
M-587	0.977
M-588	0.581
M-589	1.53
M-590	0.016
M-591	0.016
M-592	0.035
M-593	0.052
M-594	0.066
M-595	0.009
M-596	0.014
M-597	0.494
M-598	0.371
M-599	1.38
M-600	0.286
M-601	0.544
M-602	0.051
M-603	4.30
M-604	1.44



Nye Metals, Inc.

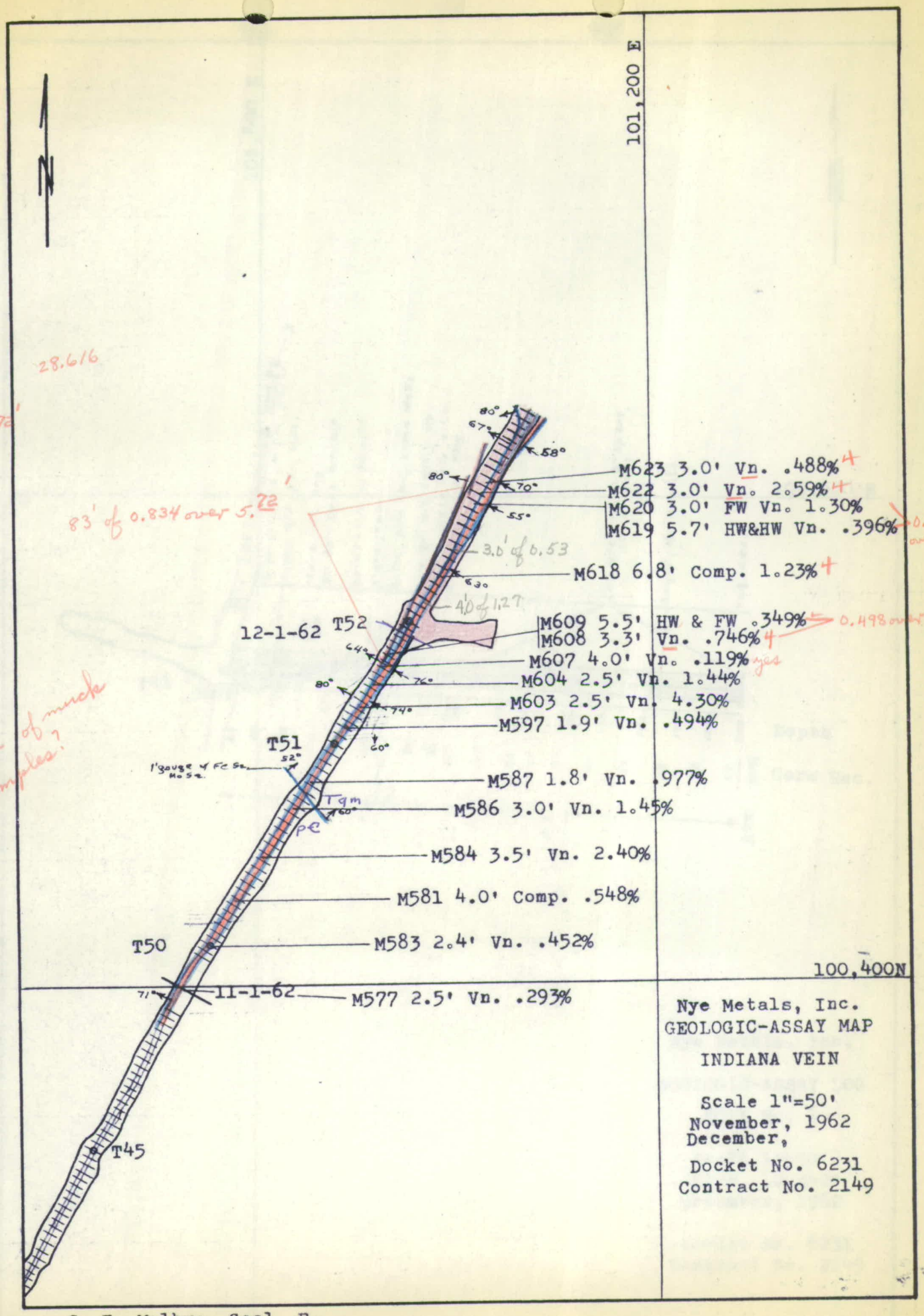
GEOLOGIC-ASSAY MAP

INDIANAPOLIS SOUTH VEIN

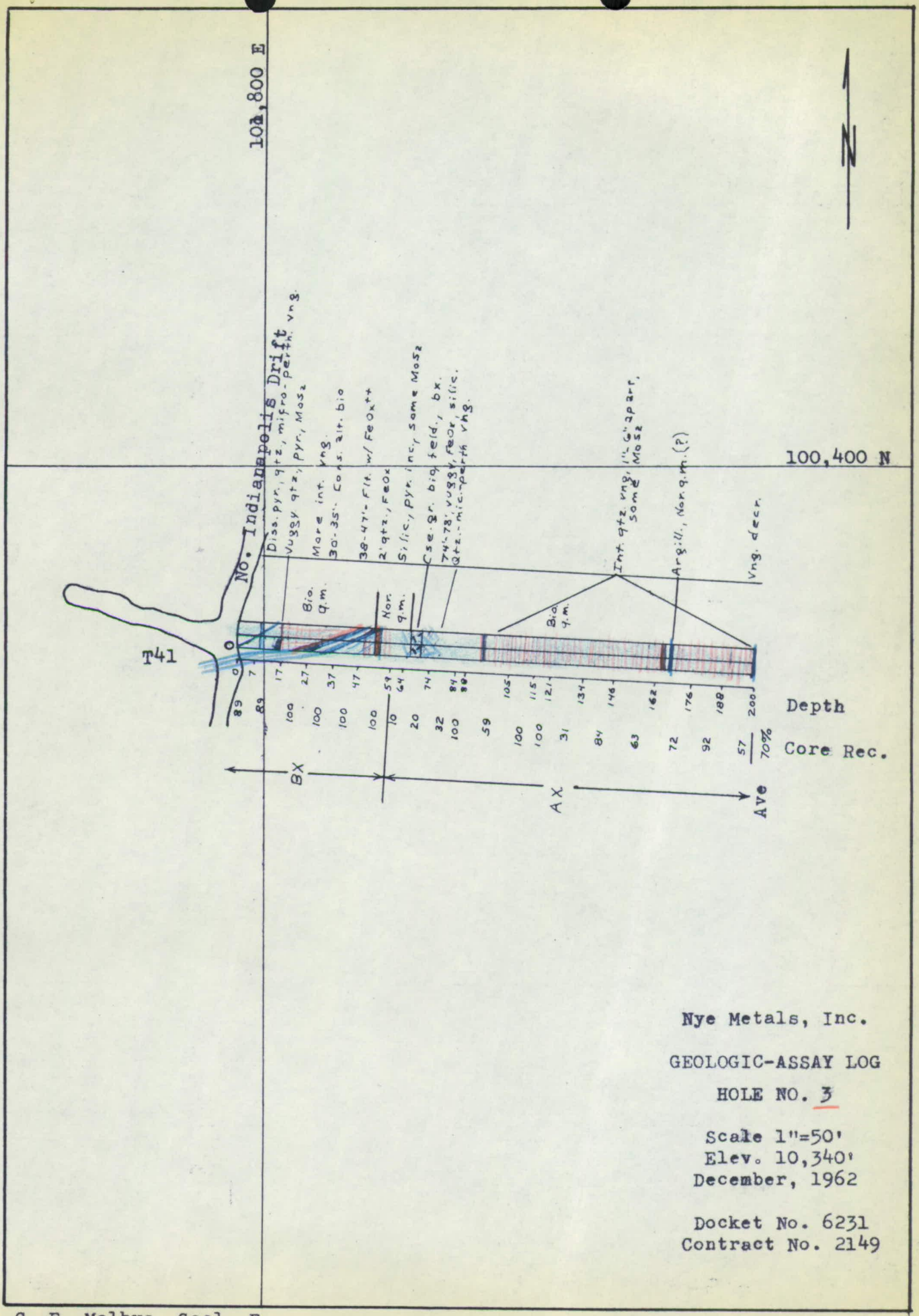
Scale 1"=50'
December, 1962

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



Nye Metals, Inc.

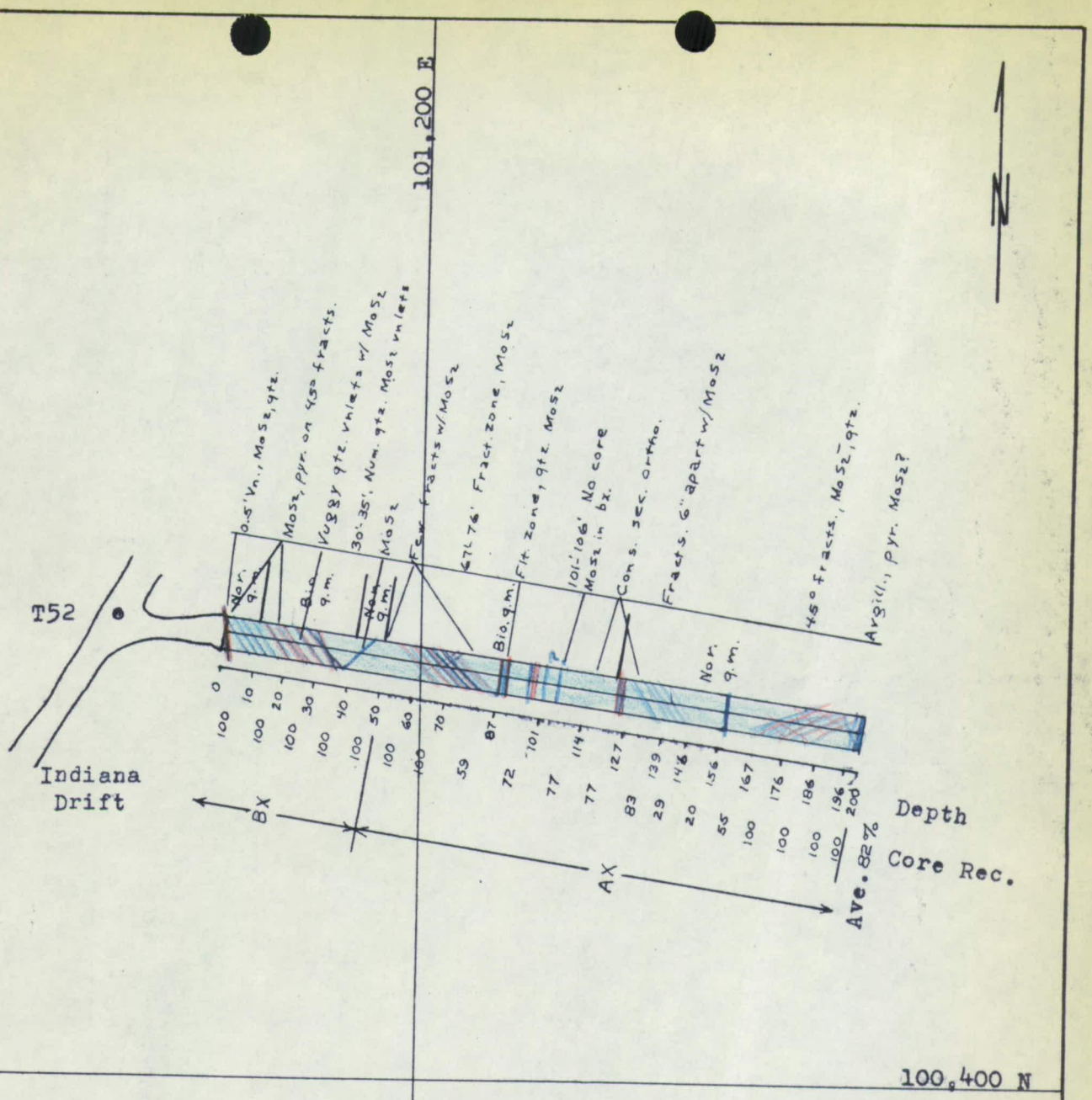
GEOLOGIC-ASSAY LOG

HOLE NO. 3

Scale 1"=50'
Elev. 10,340'
December, 1962

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



Nye Metals, Inc.

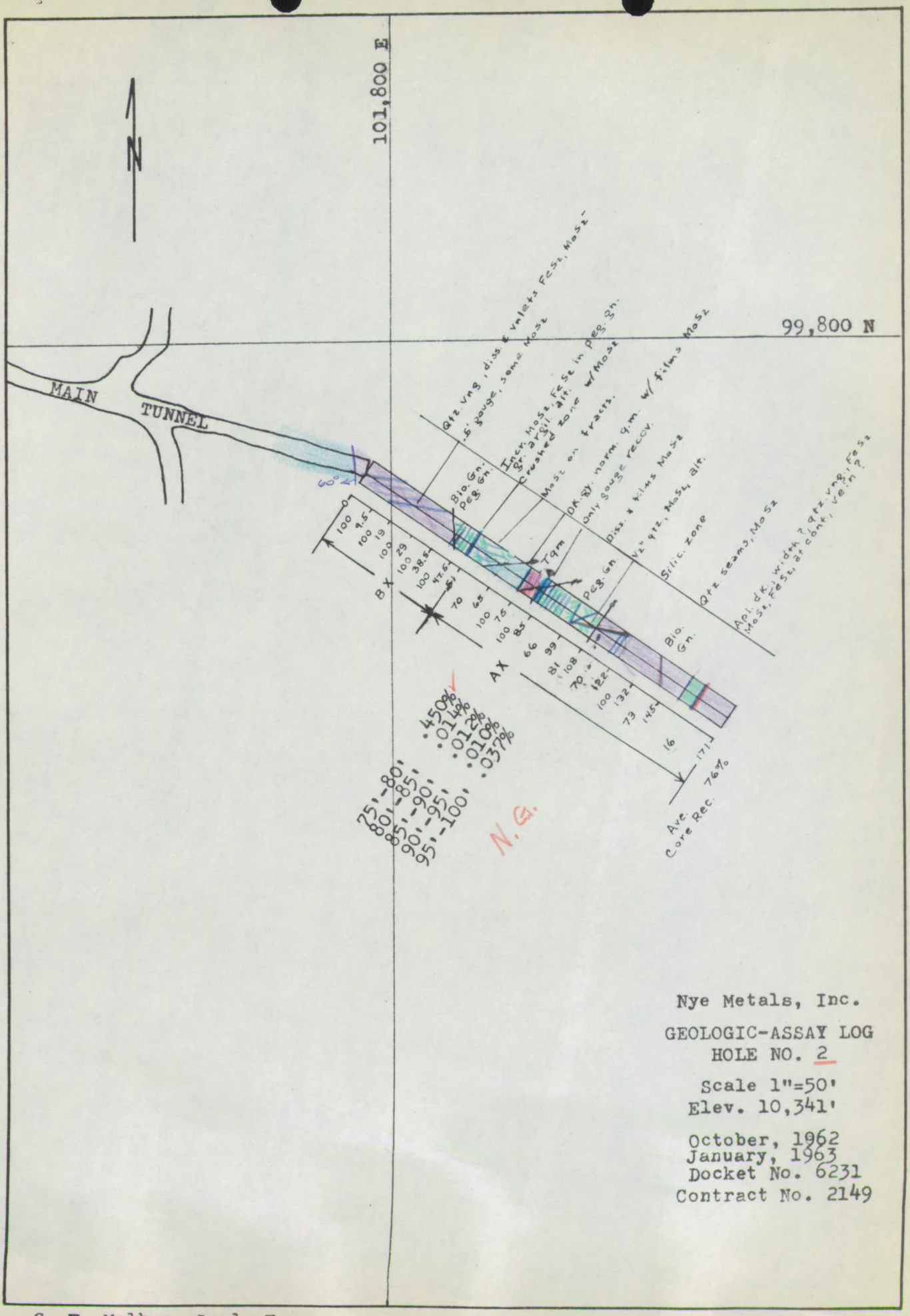
GEOLOGIC-ASSAY LOG

HOLE NO. 4

Scale 1"=50'
Elev. 10,328'
December, 1962

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



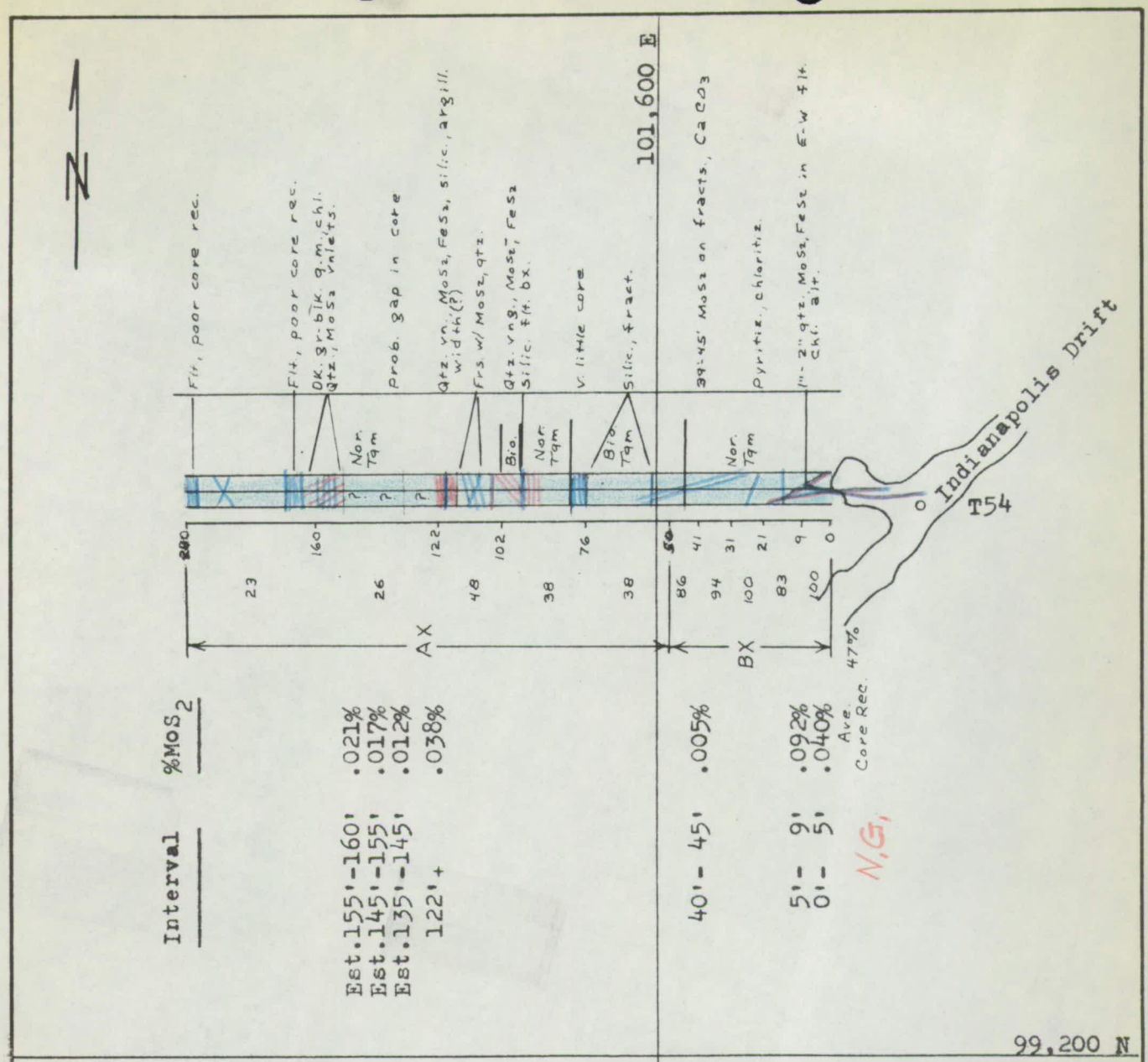
Nye Metals, Inc.

GEOLOGIC-ASSAY LOG
HOLE NO. 2

Scale 1"=50'
Elev. 10,341'

October, 1962
January, 1963
Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



Interval	%MoS_2
Est.155'-160'	.021%
Est.145'-155'	.017%
Est.135'-145'	.012%
122'+	.038%
40'- 45'	.005%
5'- 9'	.092%
0'- 5'	.040%

N.G.

Nye Metals, Inc.

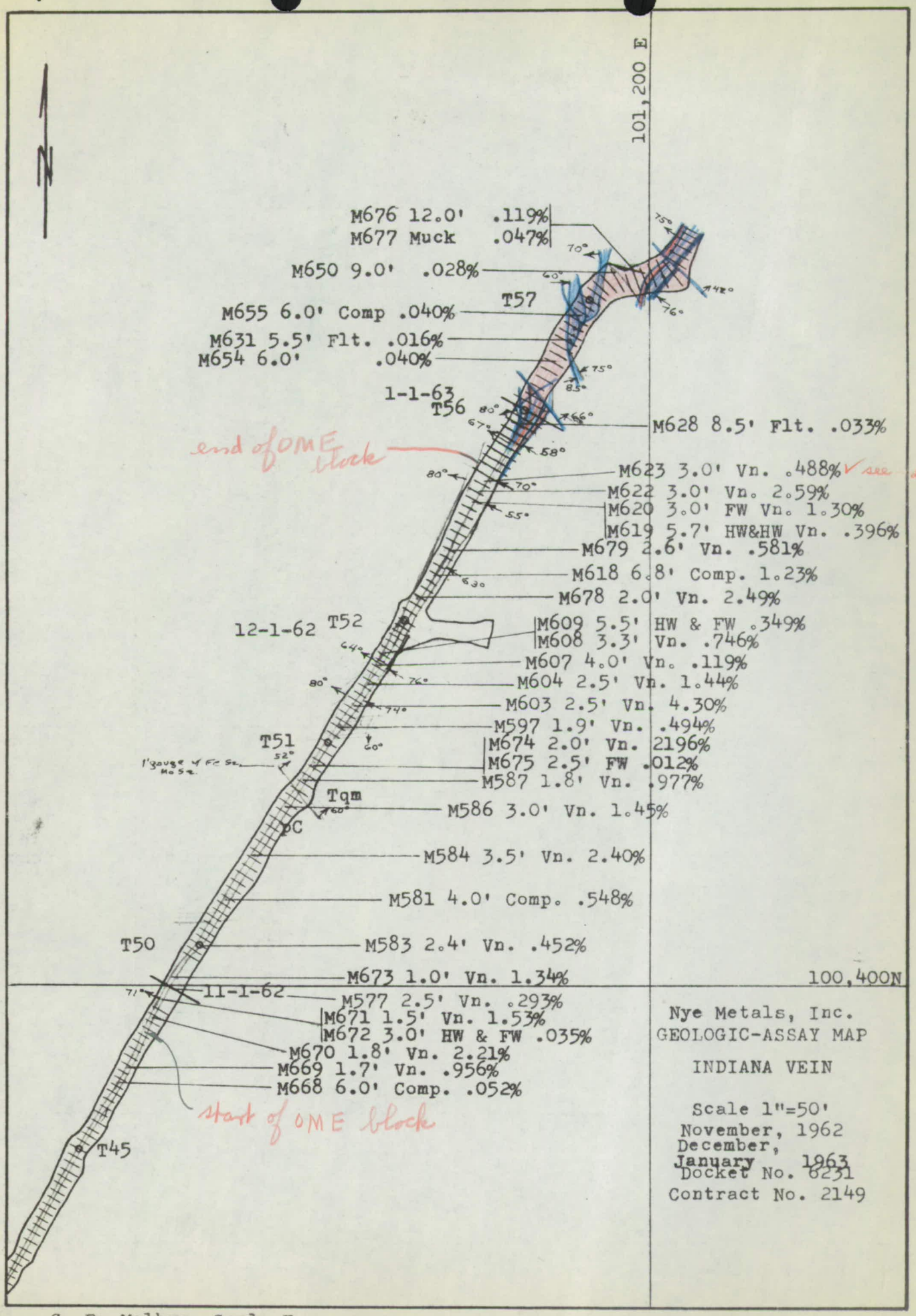
GEOLOGIC-ASSAY LOG

HOLE NO. 5

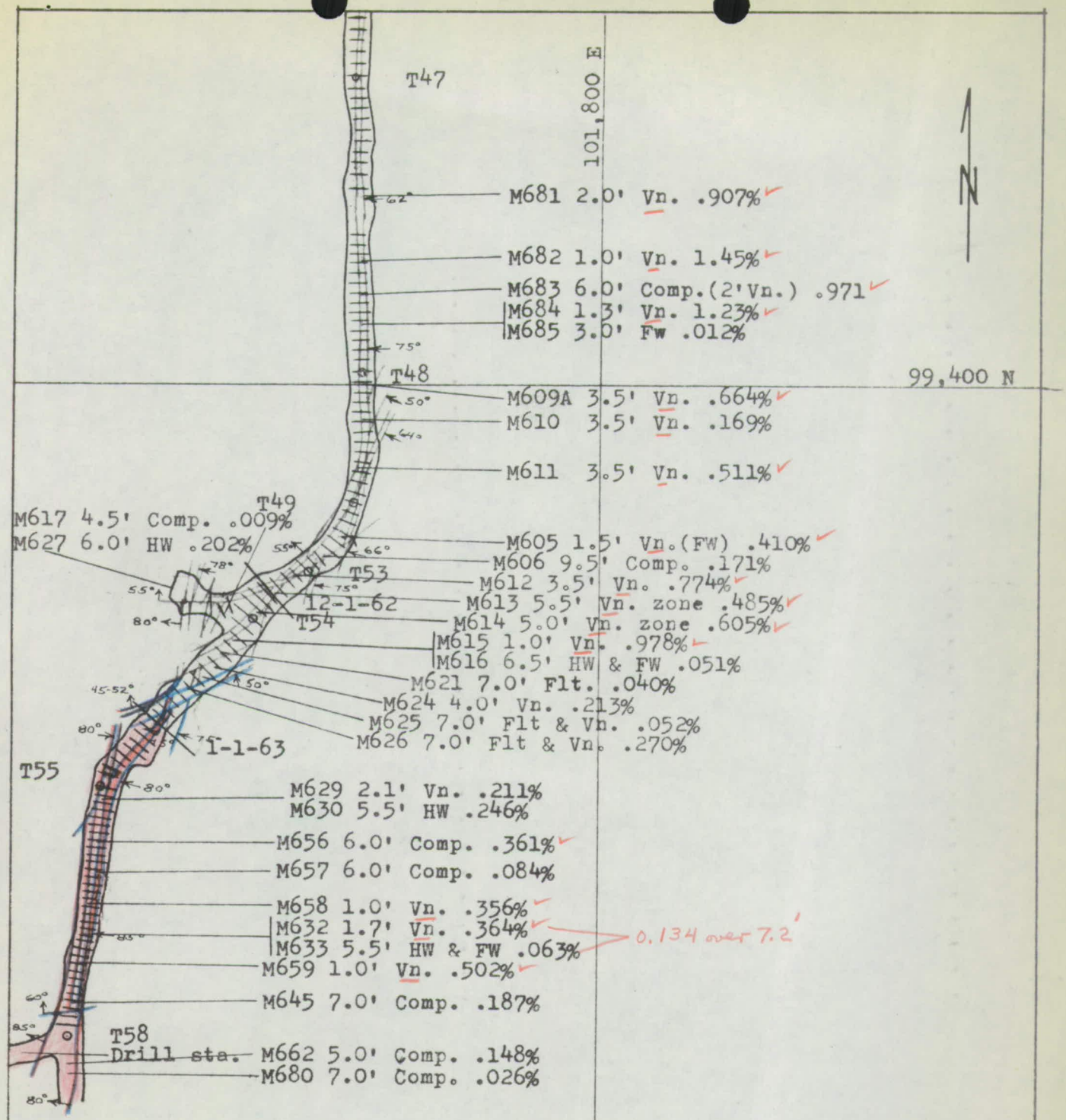
Scale 1"=50'
Elev. 10,337'
January, 1963

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



Nye Metals, Inc.

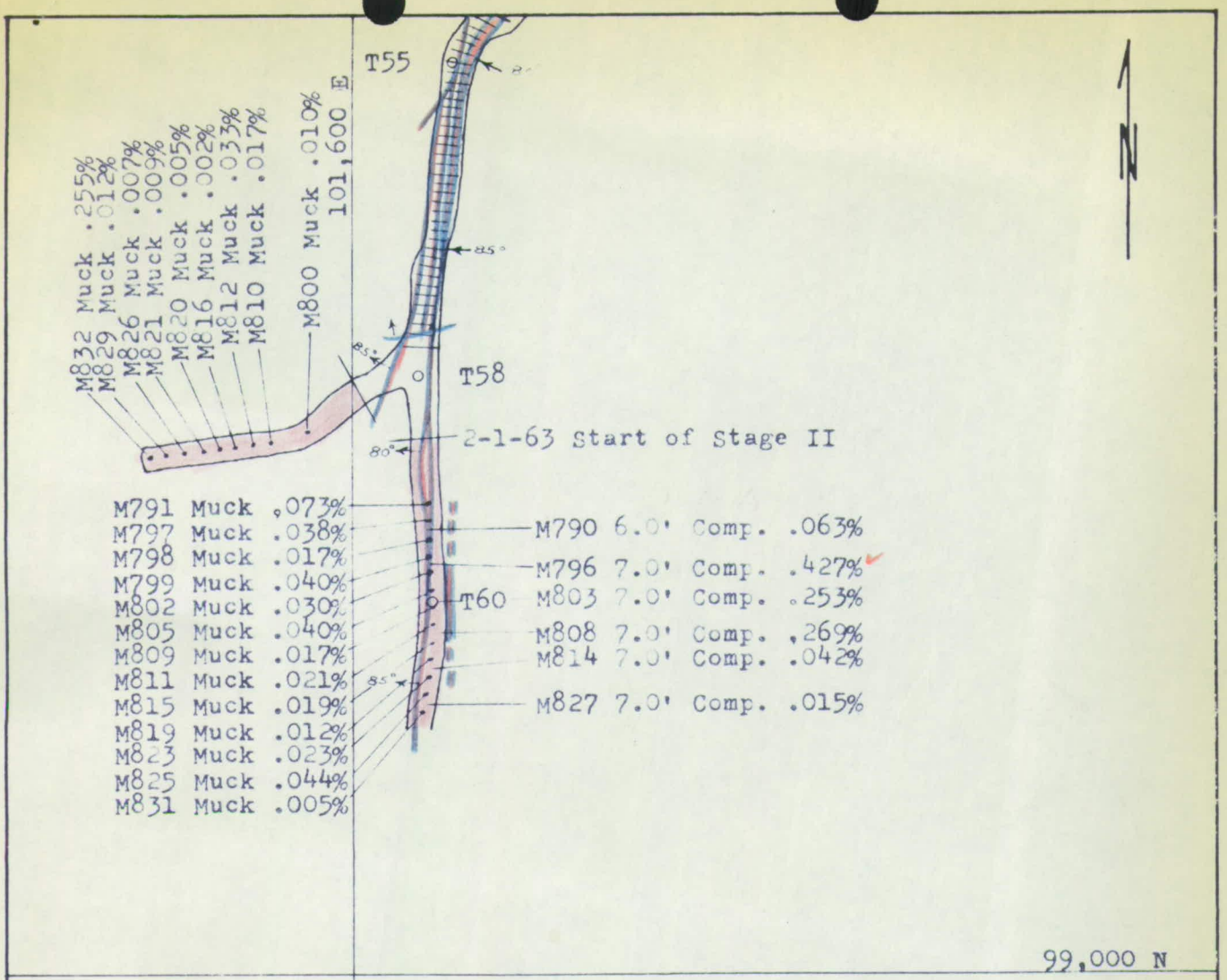
GEOLOGIC-ASSAY MAP

INDIANAPOLIS SOUTH VEIN

Scale 1"=50'
December, 1962
January , 1963

Docket No. 6231
Contract No. 2149

C. E. Melbye, Geol. E.



Nye Metals, Inc.

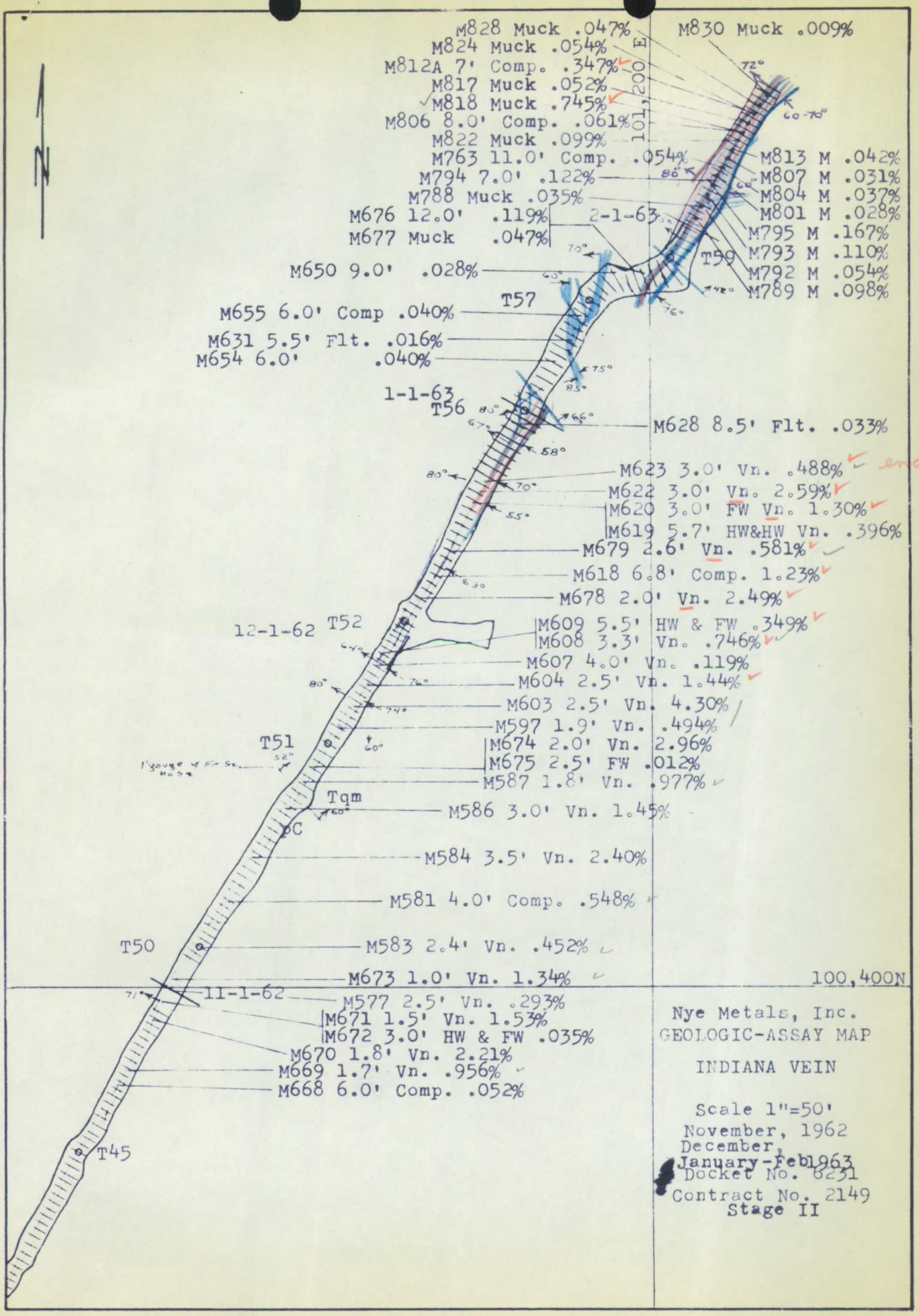
GEOLOGIC-ASSAY MAP

INDIANAPOLIS VEIN

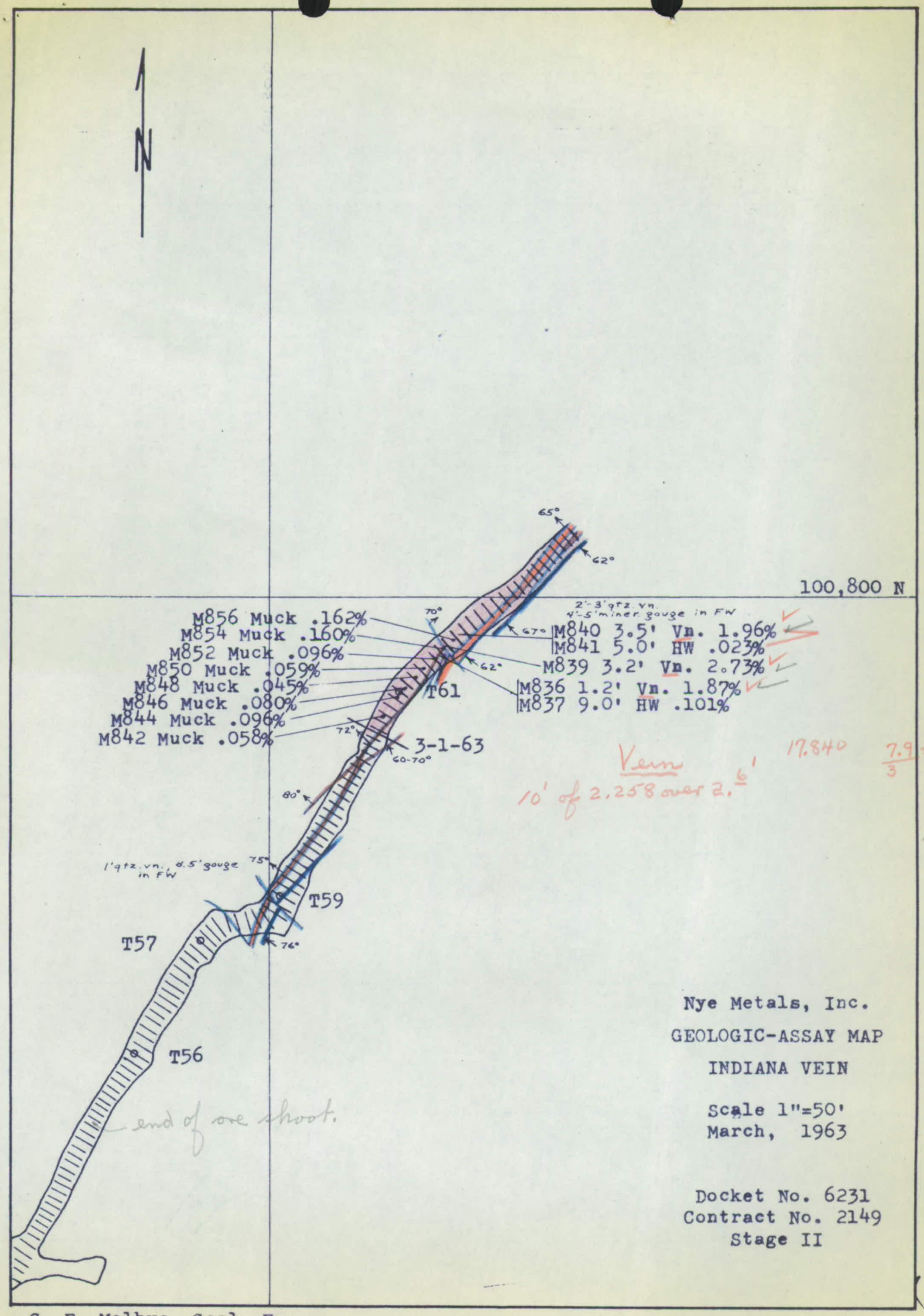
Scale 1"=50'
February, 1963

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.

GEOLOGICAL LEGEND

NYE METALS PROPERTY

Rock Types:

	Tertiary	Dacite porphyry
	"	Aplite
	"	Quartz Monzonite
	Pre-Cambrian	Alaskite
	"	Quartz-biotite gneiss

Alteration and Mineralization:

Note: Lighter color shade designates weak alteration intensity; darker shade designates moderate to strong intensity.

		Chloritization
		K-feldspathization(Secondary orthoclase)
		Silicification and quartz veining (Includes sericitization where present)
	(Stippling superimposed on alt. color)	Pyritization
	Drill log	Molybdenum mineralization

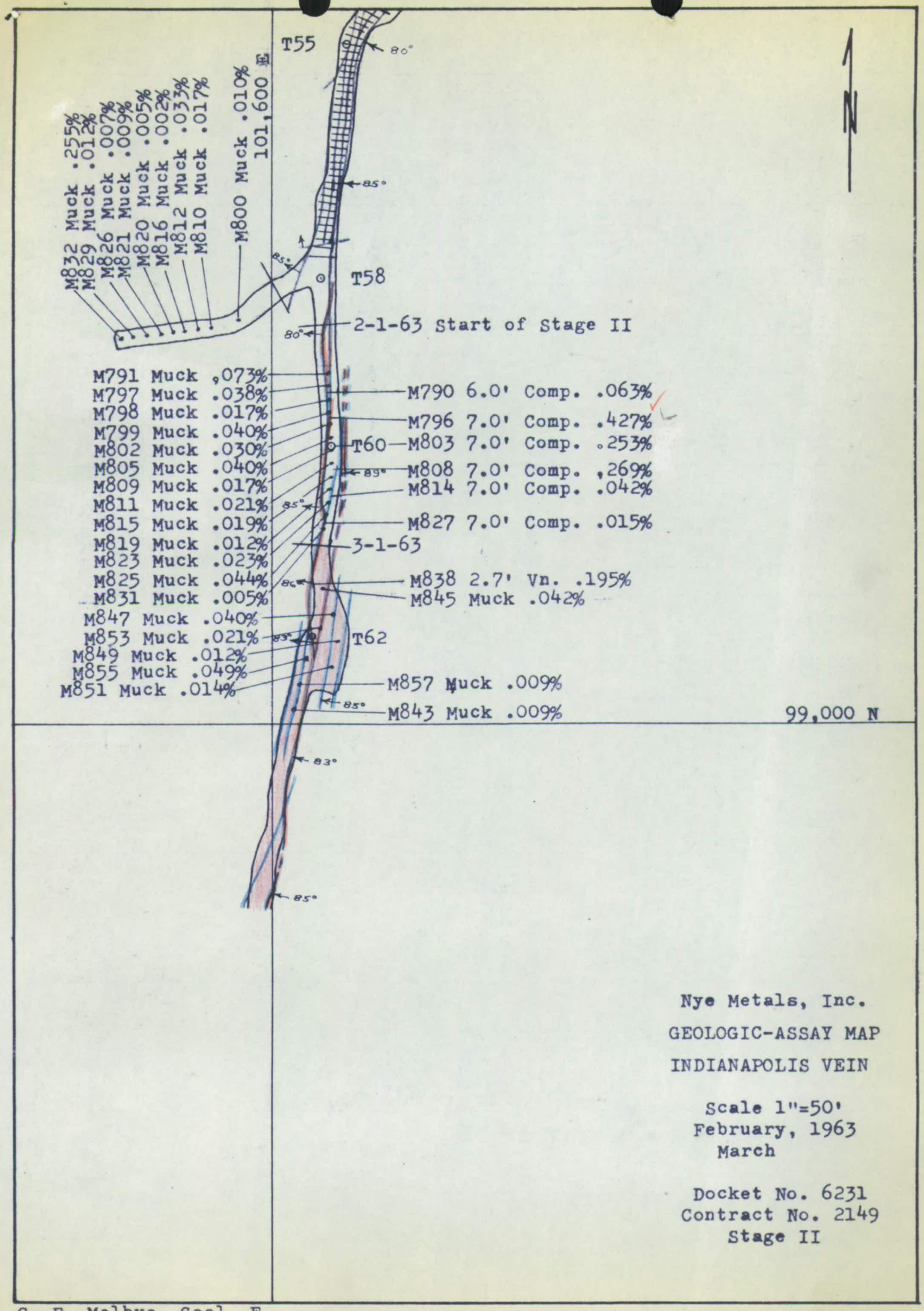
Structure:

75°	Faults- dashed where projected or inferred.
85°	Joints

Culture:

	Dump
	Cut or prospect pit
	Lagged drift

C. E. Melbye, Geol. E.



Nye Metals, Inc.

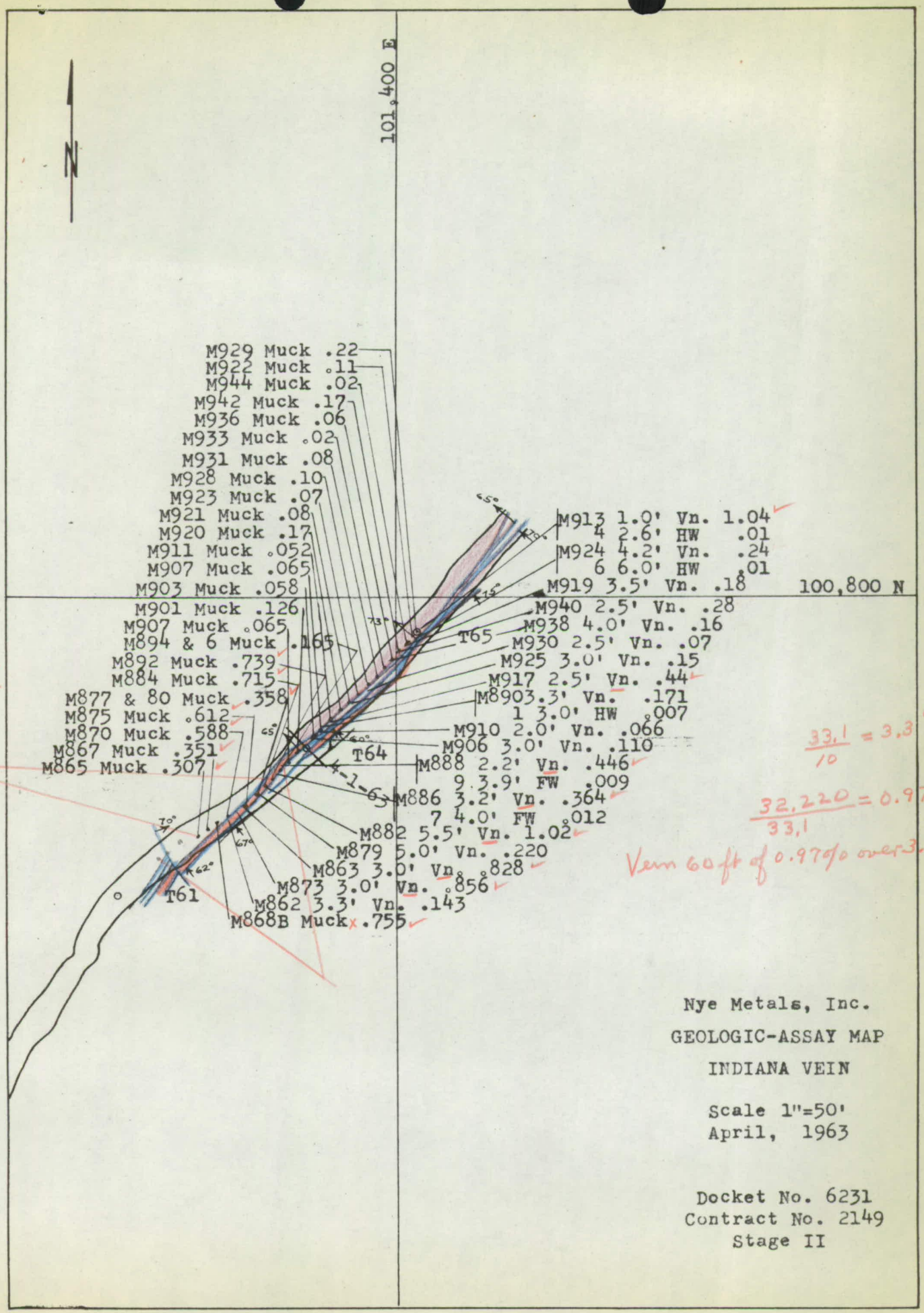
GEOLOGIC-ASSAY MAP

INDIANAPOLIS VEIN

Scale 1"=50'
February, 1963
March

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.



Nye Metals, Inc.

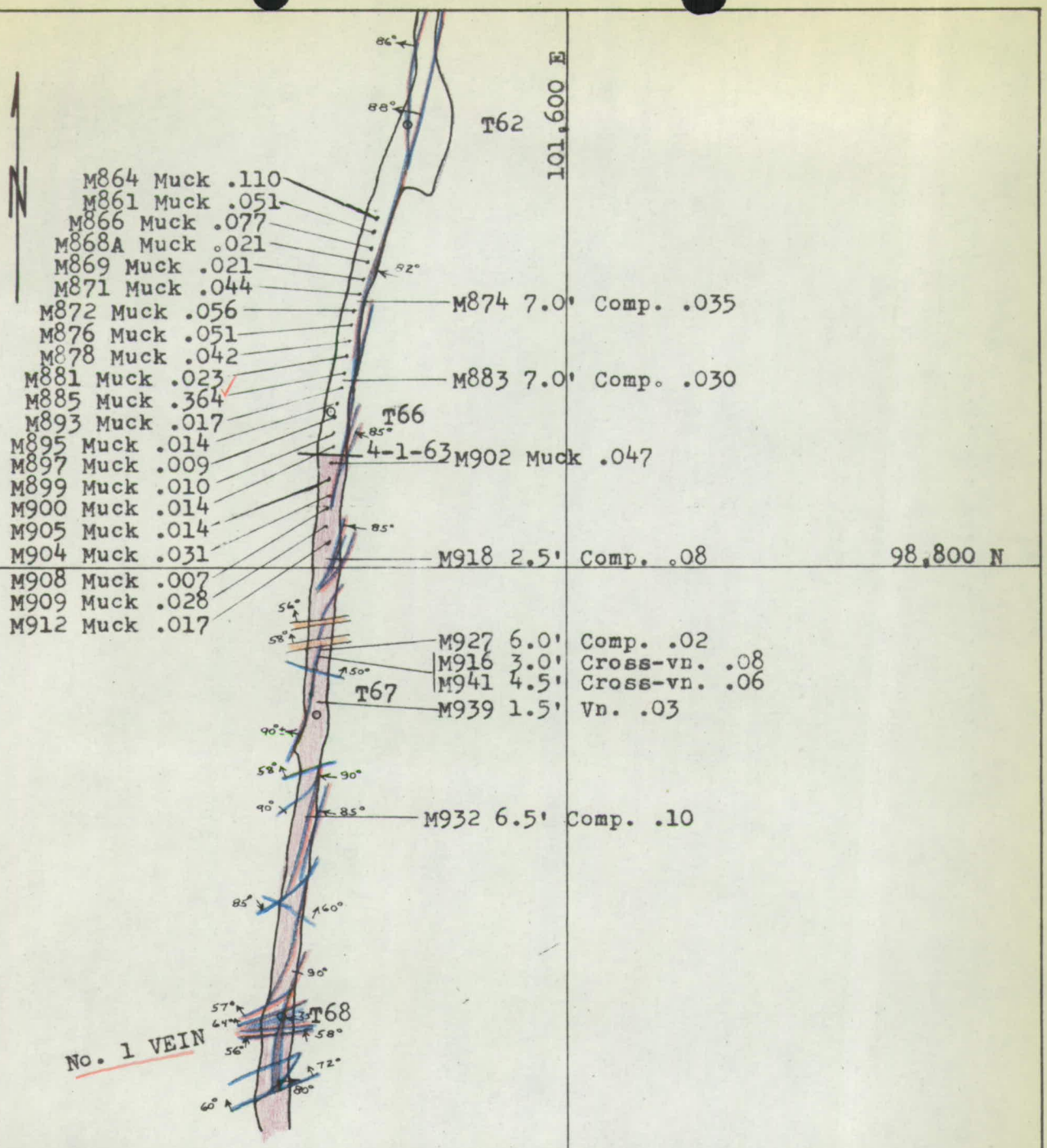
GEOLOGIC-ASSAY MAP

INDIANA VEIN

Scale 1"=50'
April, 1963

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.



Nye Metals, Inc.

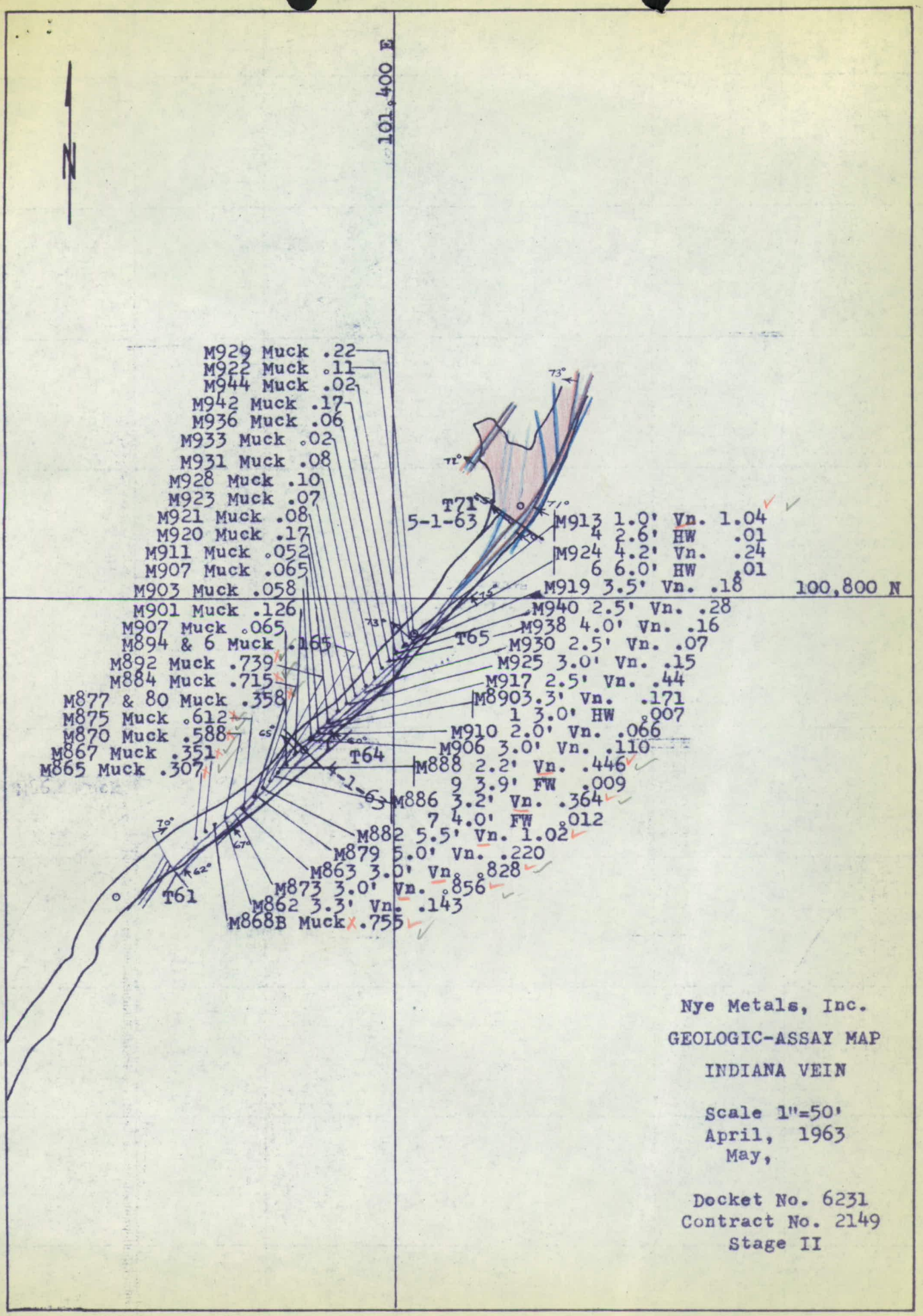
GEOLOGIC-aSSAY MAP

INDIANAPOLIS VEIN

Scale 1"=50'
April, 1963

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.



Nye Metals, Inc.

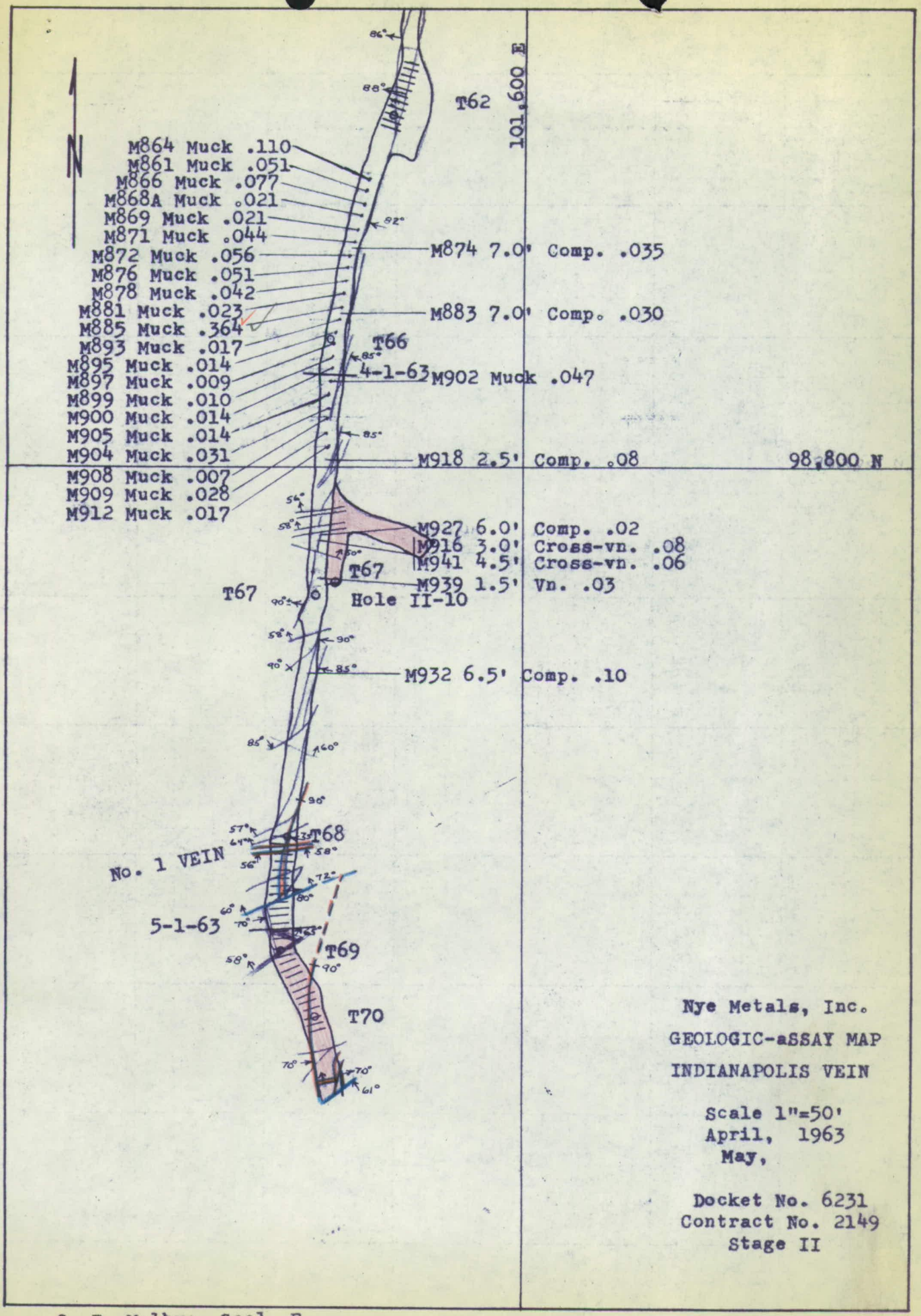
GEOLOGIC-ASSAY MAP

INDIANA VEIN

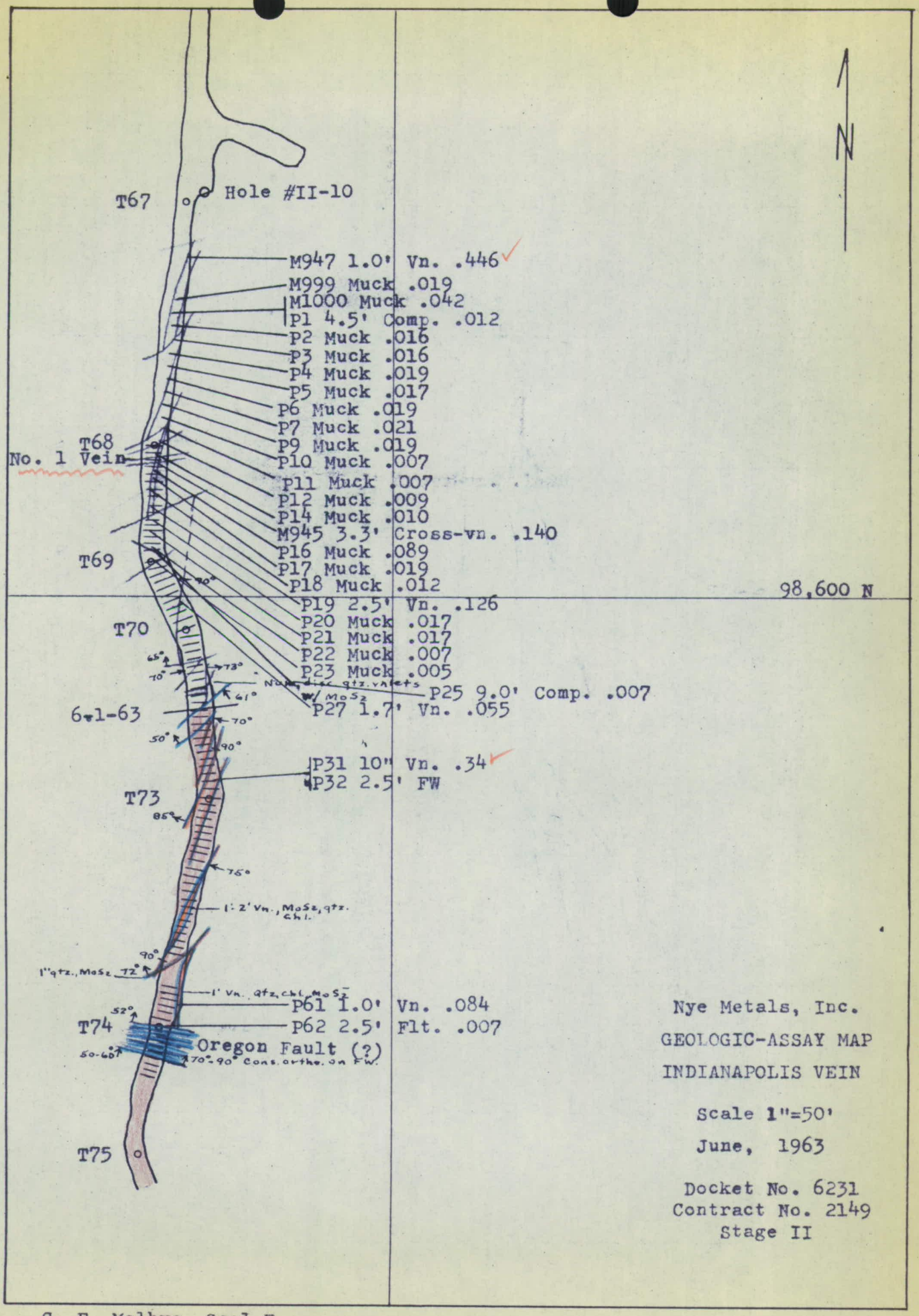
Scale 1"=50'
April, 1963
May,

Docket No. 6231
Contract No. 2149
Stage II

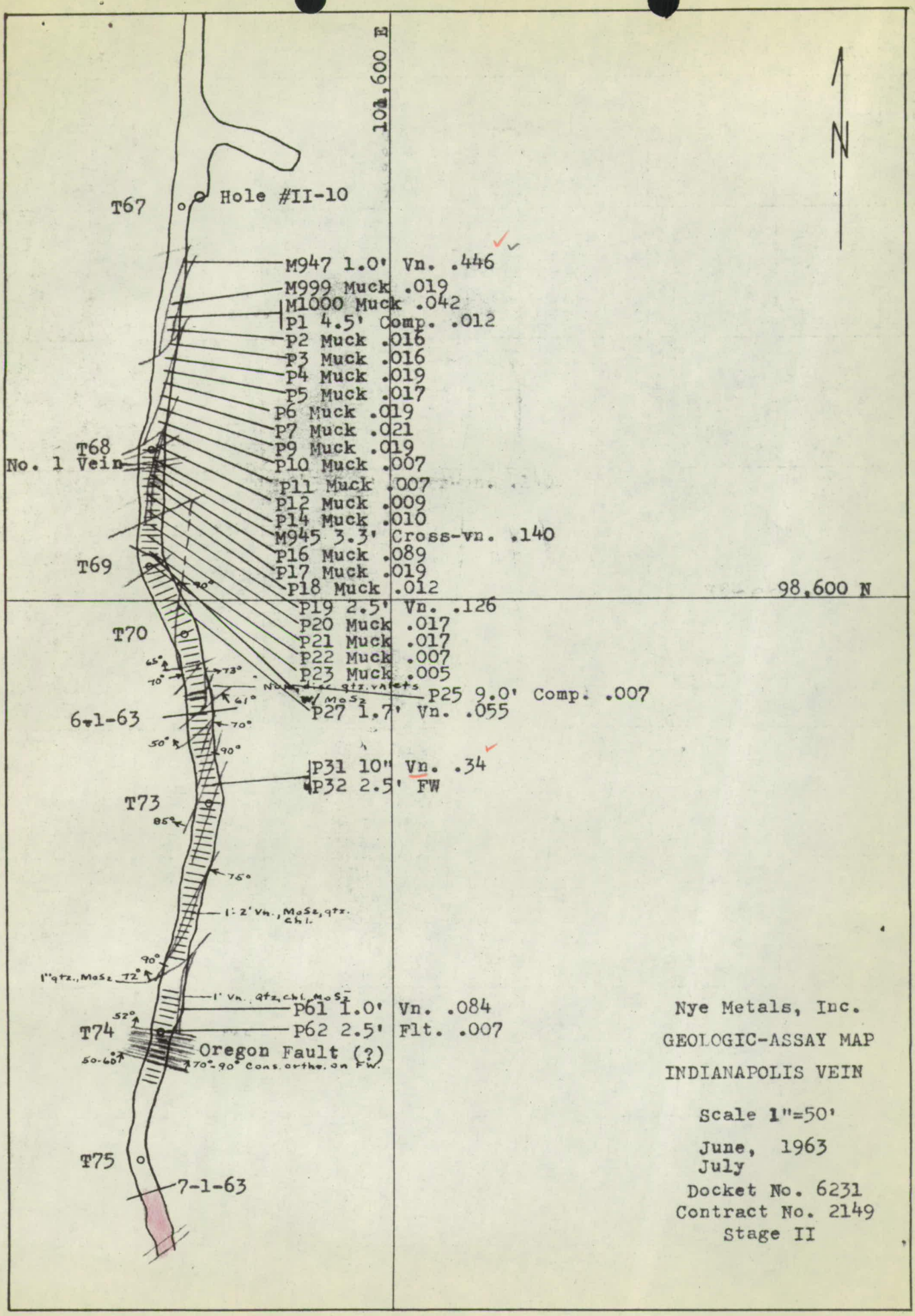
C. E. Melbye, Geol. E.



C. E. Melbye, Geol. E.



C. E. Melbye, Geol.E.



Nye Metals, Inc.

GEOLOGIC-ASSAY MAP

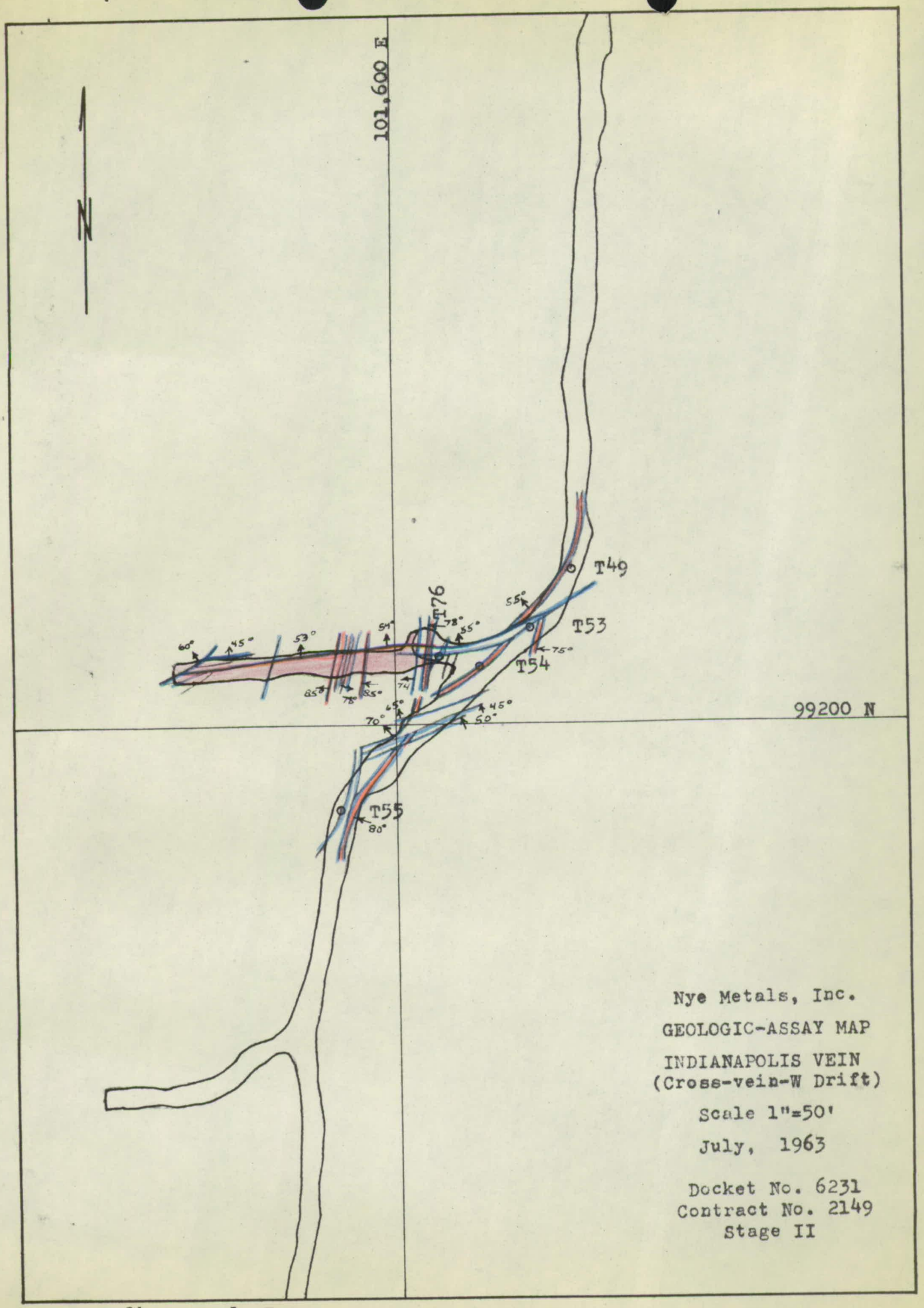
INDIANAPOLIS VEIN

Scale 1"=50'

June, 1963
July

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol.E.



Nye Metals, Inc.

GEOLOGIC-ASSAY MAP

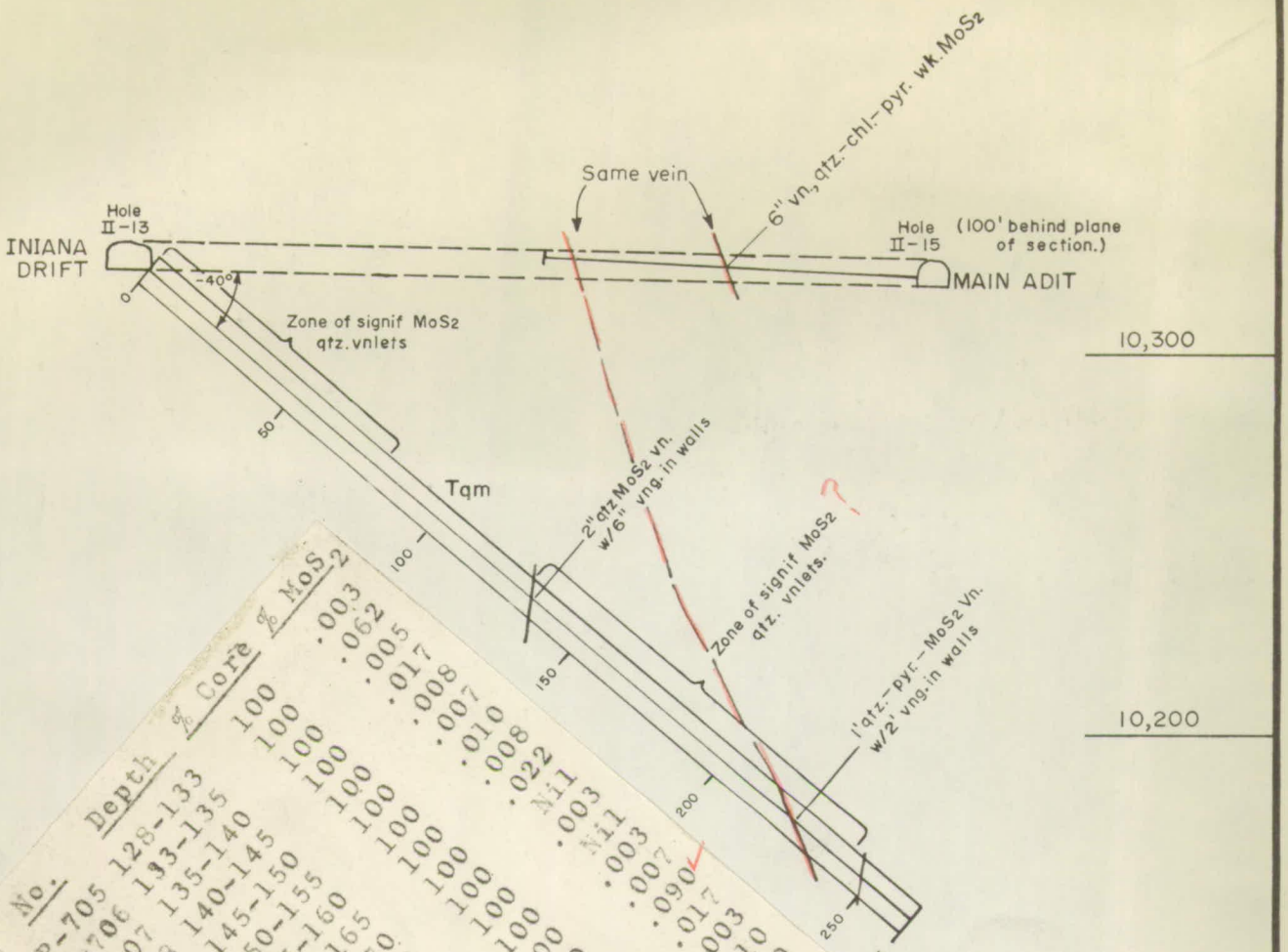
INDIANAPOLIS VEIN
(Cross-vein-W Drift)

Scale 1"=50'

July, 1963

Docket No. 6231
Contract No. 2149
Stage II

C. E. Melbye, Geol. E.



No.	Depth	% Core	% MoS2
P-705	128-133	100	.003
P-706	133-135	100	.062
P-707	135-140	100	.005
P-708	140-145	100	.017
P-709	145-150	100	.008
P-710	150-155	100	.007
P-711	155-160	100	.010
P-712	160-165	100	.008
P-713	165-170	100	.022
P-714	170-175	100	Nil
P-715	175-180	100	.003
P-716	180-185	100	Nil
P-717	185-190	100	.003
P-718	190-195	100	.007
P-719	195-200	100	.090
P-720	200-205	100	.017
P-721	205-210	100	.003
P-722	210-215	100	.010
P-723	215-220	100	.010
P-724	220-225	100	.013
P-725	225-230	91	.070
P-726	230-235	91	Nil
P-727	235-240	91	Nil
P-728		91	.015

NYE METALS INC.

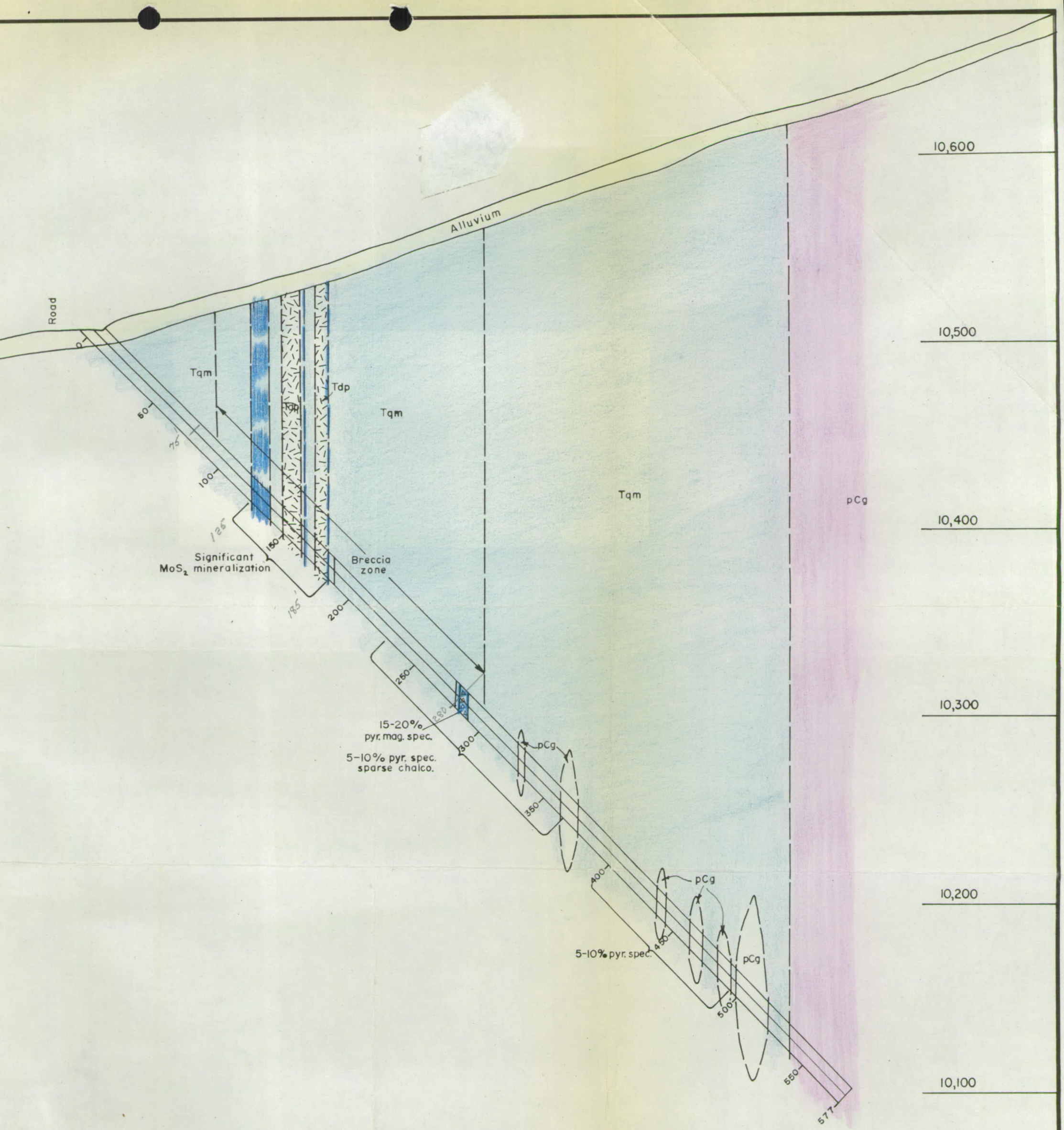
GEOLOGIC ASSAY LOG

HOLES II-13 & II-15

Section looking N75°E

Scale: 1"=50' August, 1964

Docket No. 6231
Contract No. 2149


Road
Alluvium
Tqm
Tdp
Tqm
Tqm
pCg
10,600
10,500
10,400
10,300
10,200
10,100
0
50
75
100
125
150
185
200
250
280
300
350
400
450
500
550
577
Significant
MoS2 mineralization
Breccia
zone
15-20%
pyr. mag. spec.
5-10% pyr. spec.
sparse chalco.
pCg
pCg
5-10% pyr. spec.
pCg

95-II

NYE METALS INC.

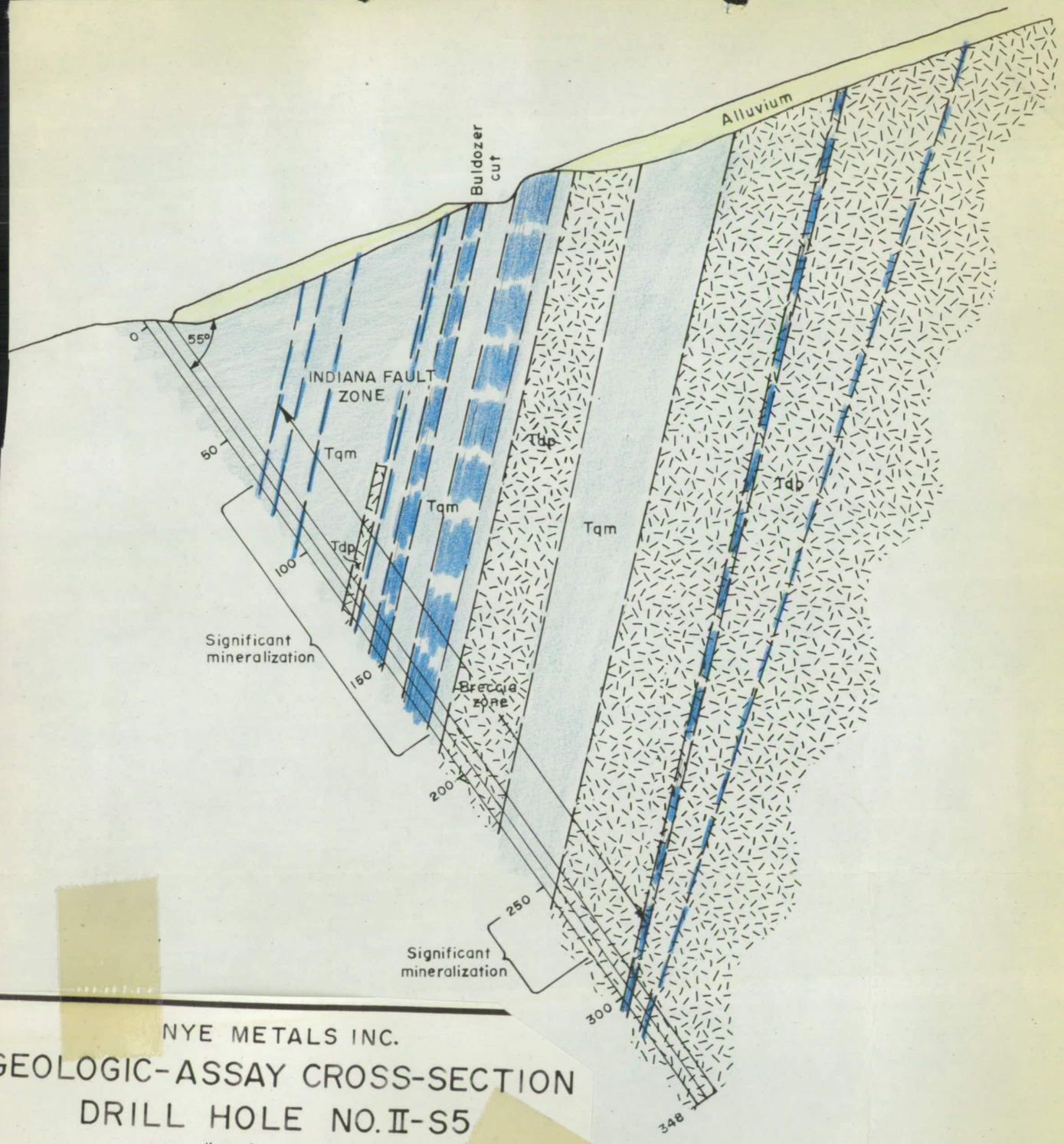
GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE NO. II-S6

Scale 1"=50' Elev. 10,508'

E-W Section Looking North

October 1963

Docket No. 6231
Contract No. 2149



10,600

10,500

10,400

10,300

10,200

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE NO. II-S5

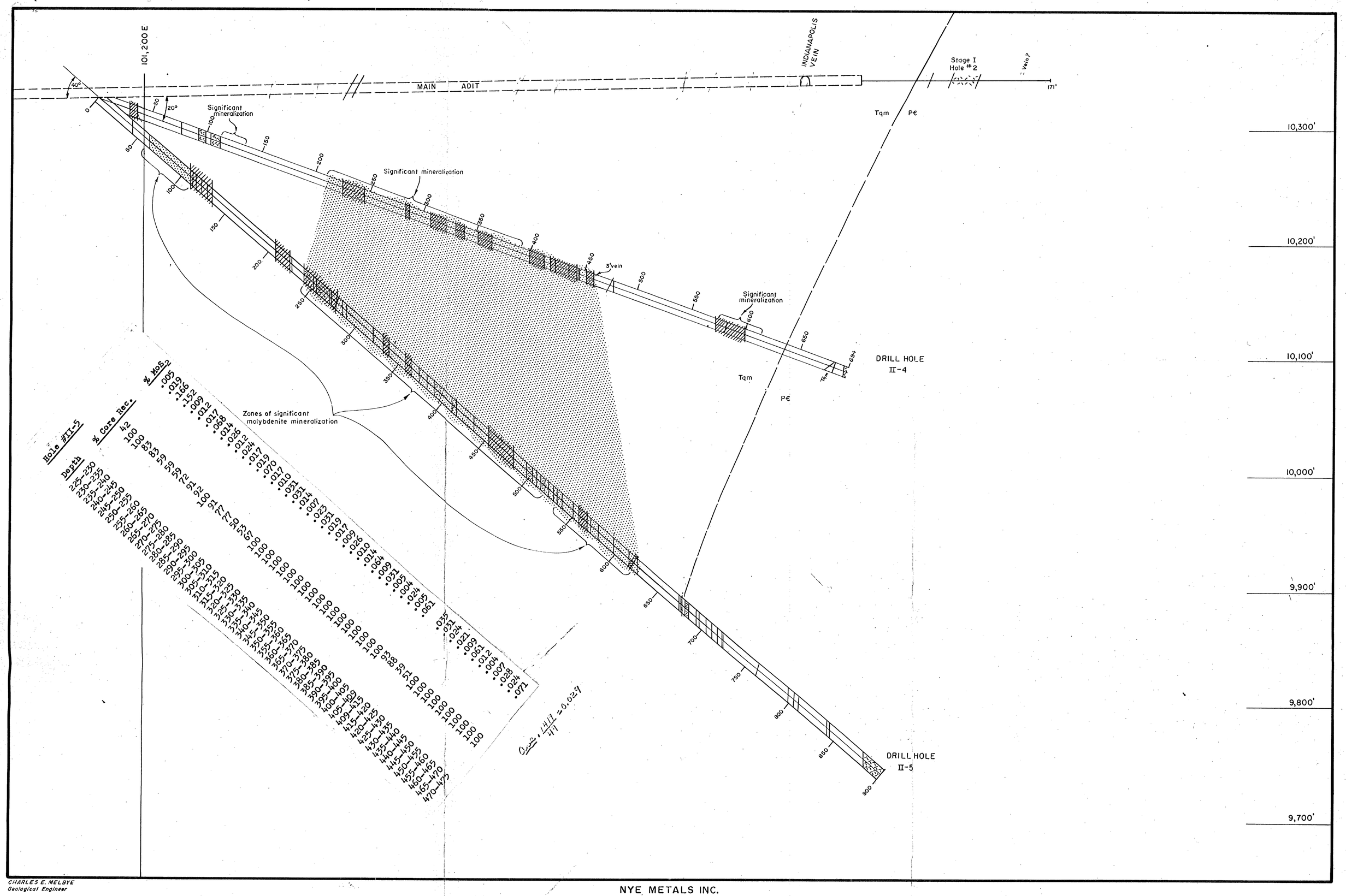
Scale 1"=50' Elev. 10,508'

N 7°W Section Looking North

October 1963

Docket No. 6231
Contract No. 2149

CHARLES E. MELBYE
Geological Engineer



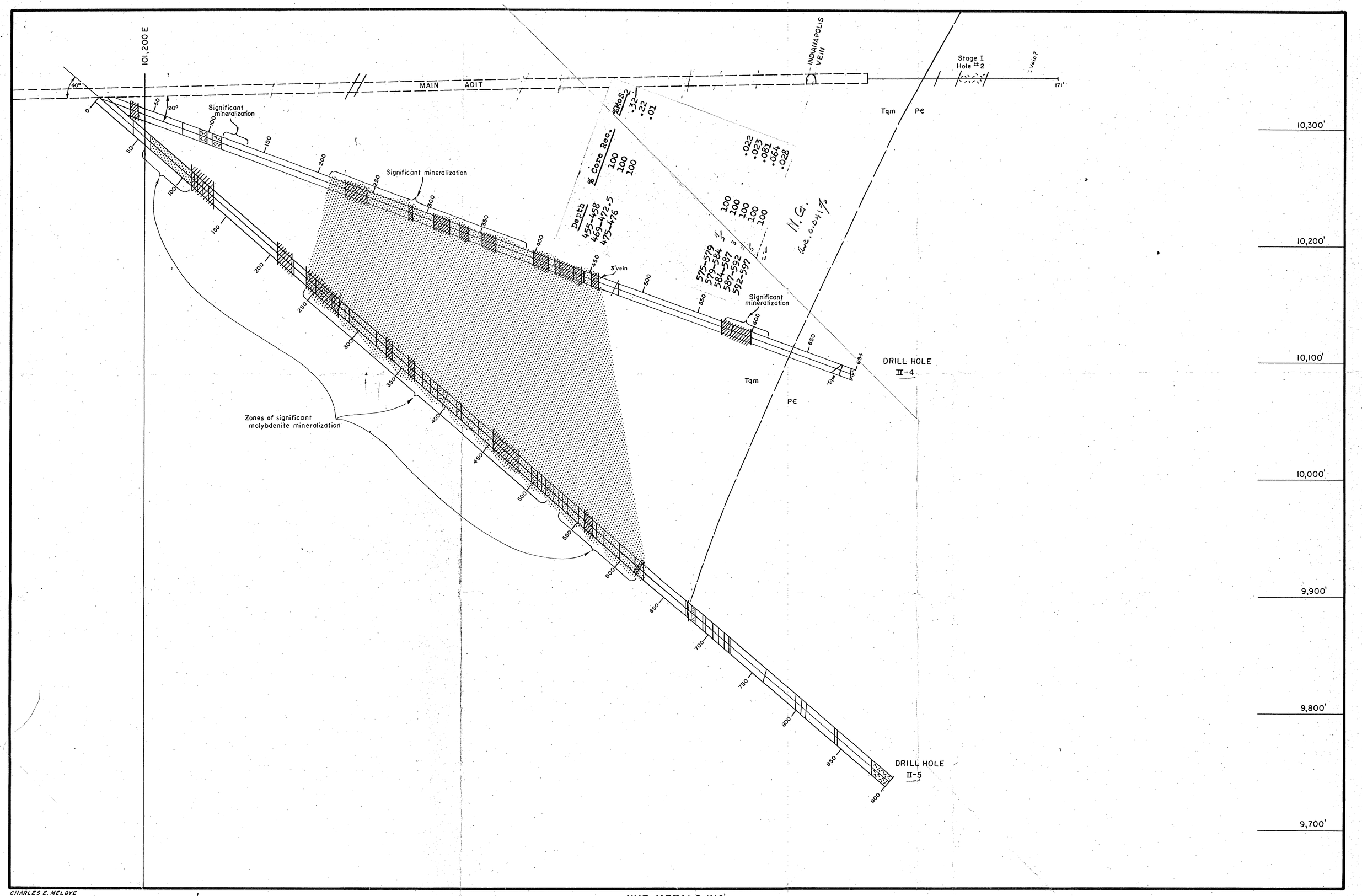
CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE II-4
AND
DRILL HOLE II-5

Scale 1" = 50' Elev. 10,325'
Section Looking North
March 1963

Docket No. 6231
Contract No. 2149



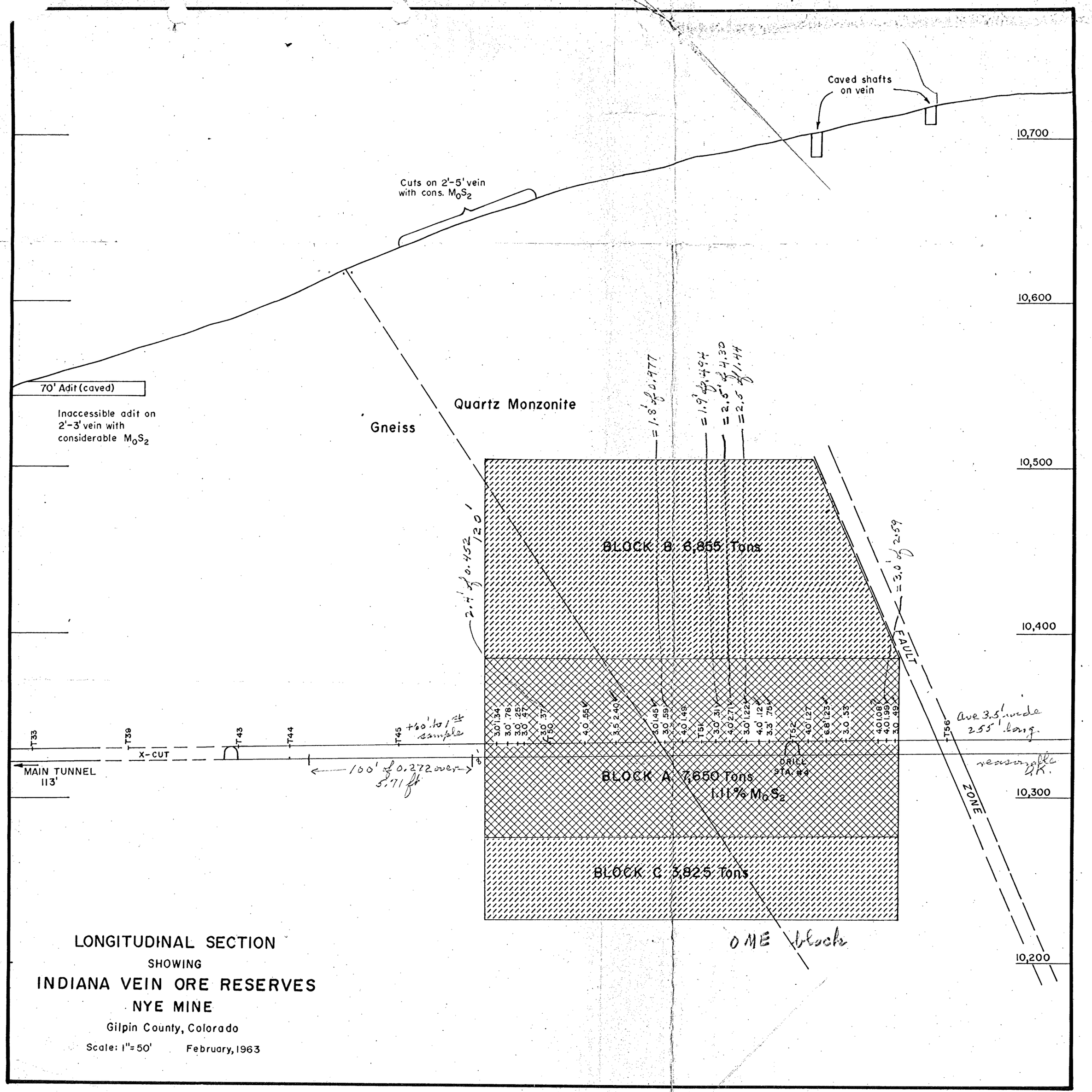
CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE II-4
AND
DRILL HOLE II-5

Scale 1"=50' Elev. 10,325'
Section Looking North
March 1963

Docket No. 6231
Contract No. 2149



LONGITUDINAL SECTION

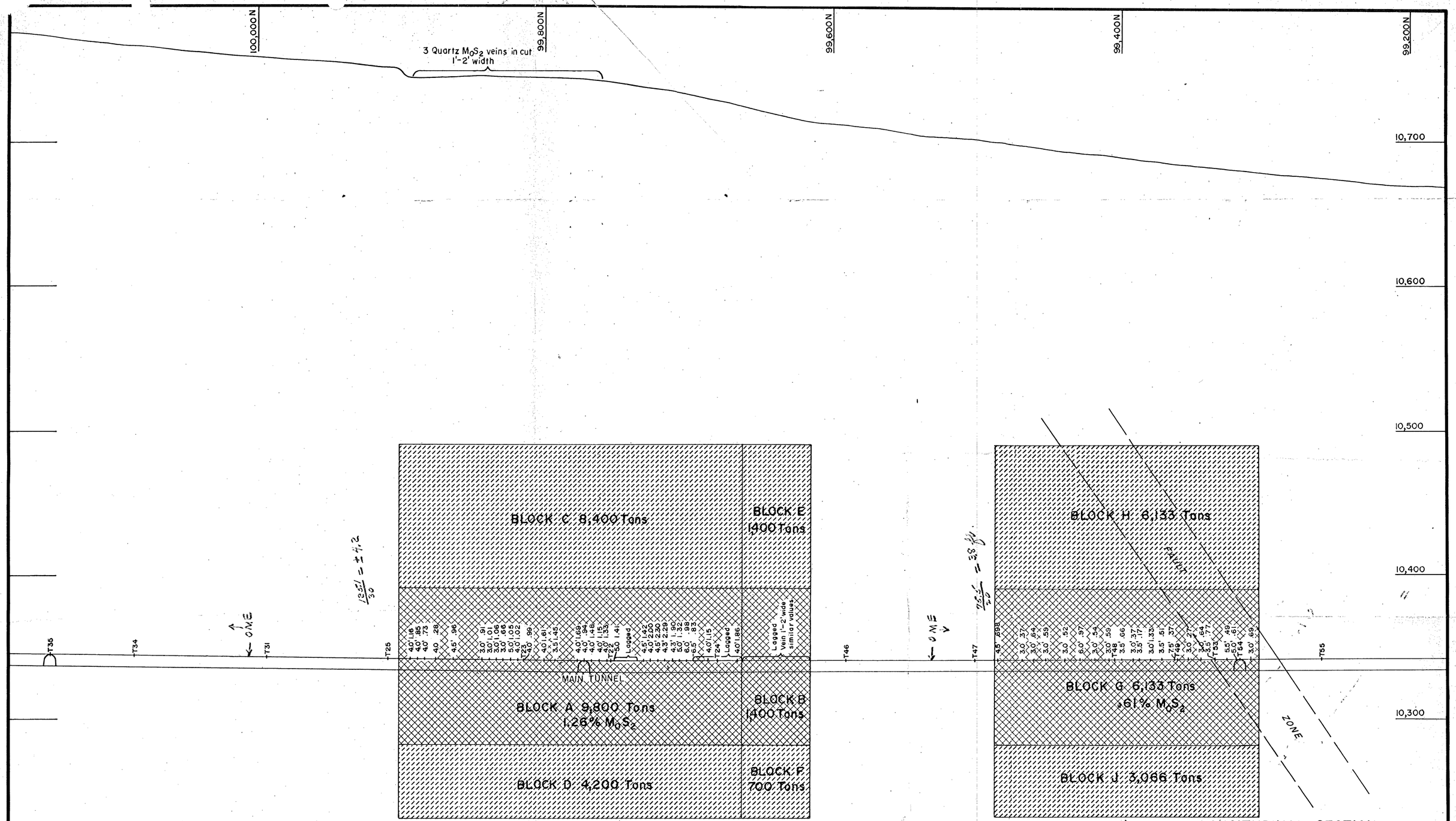
SHOWING

INDIANA VEIN ORE RESERVES

NYE MINE

Gilpin County, Colorado

Scale: 1"=50' February, 1963



OME block

12,600

LONGITUDINAL SECTION

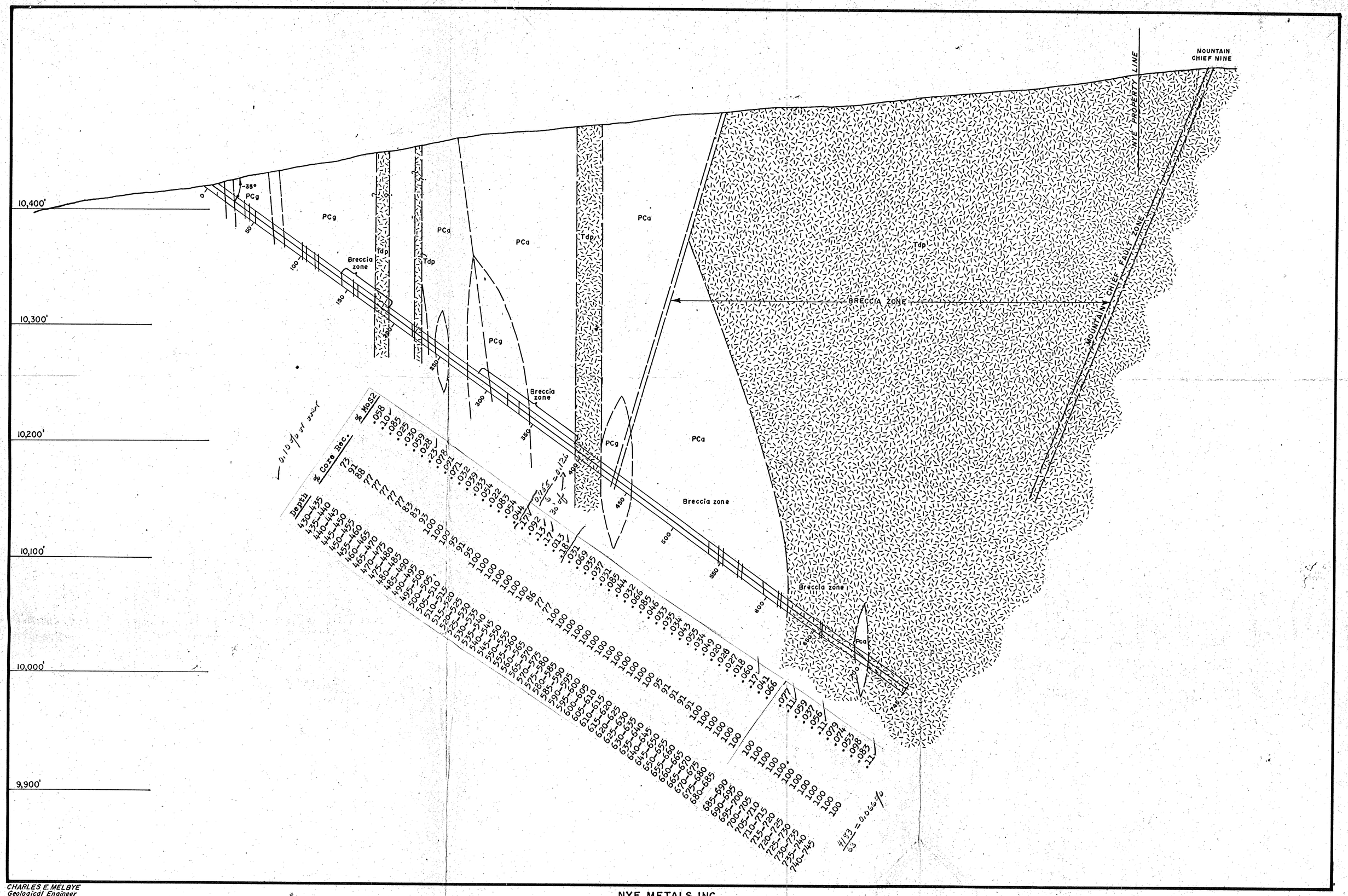
SHOWING

INDIANAPOLIS VEIN ORE RESERVES

NYE MINE

Gilpin County, Colorado

Scale: 1"=50' February, 1963



CHARLES E. MELBYE
Geological Engineer

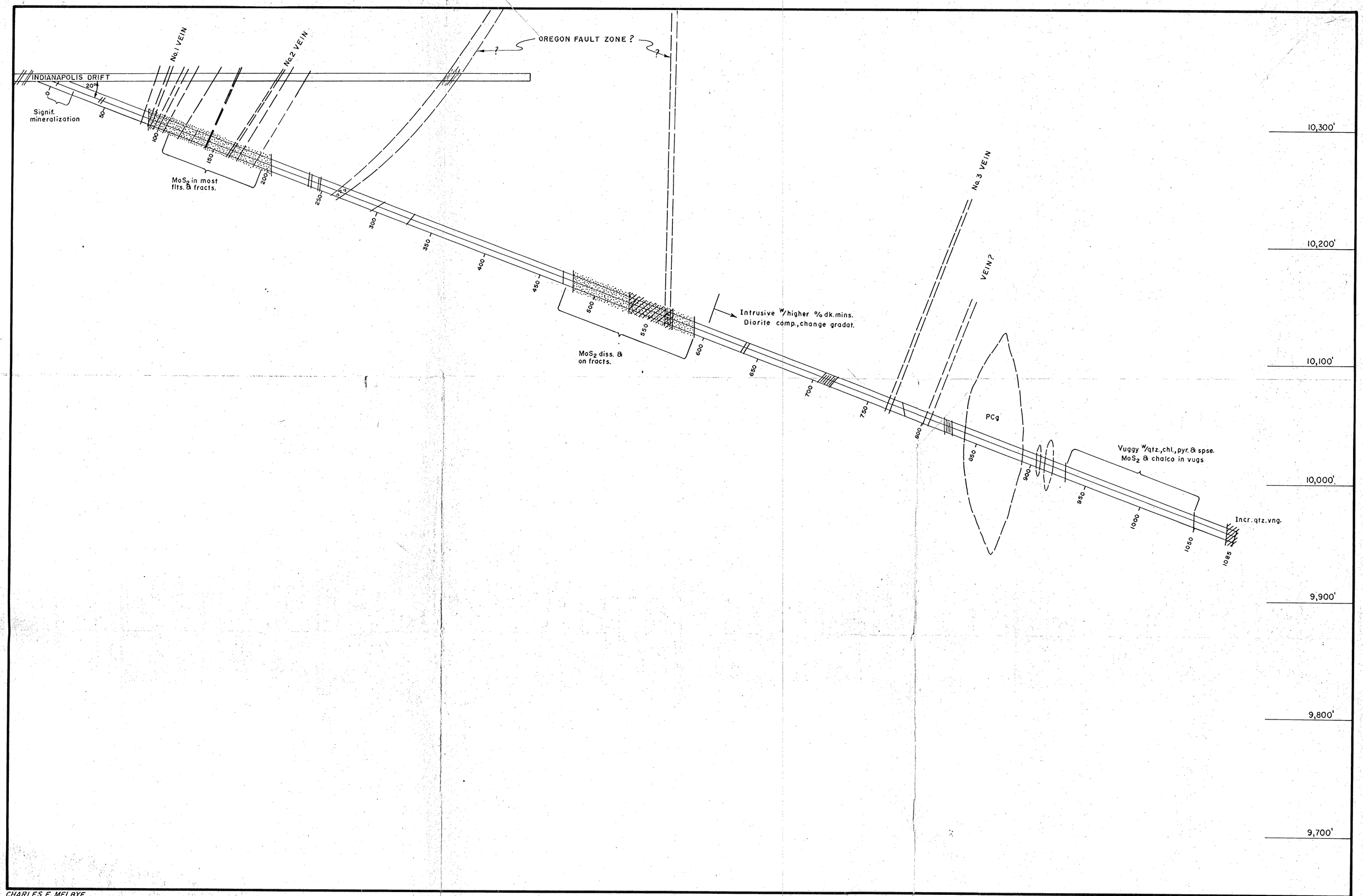
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-SI

Scale 1"=50' Elev. 10,420'
Section Looking East
July 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

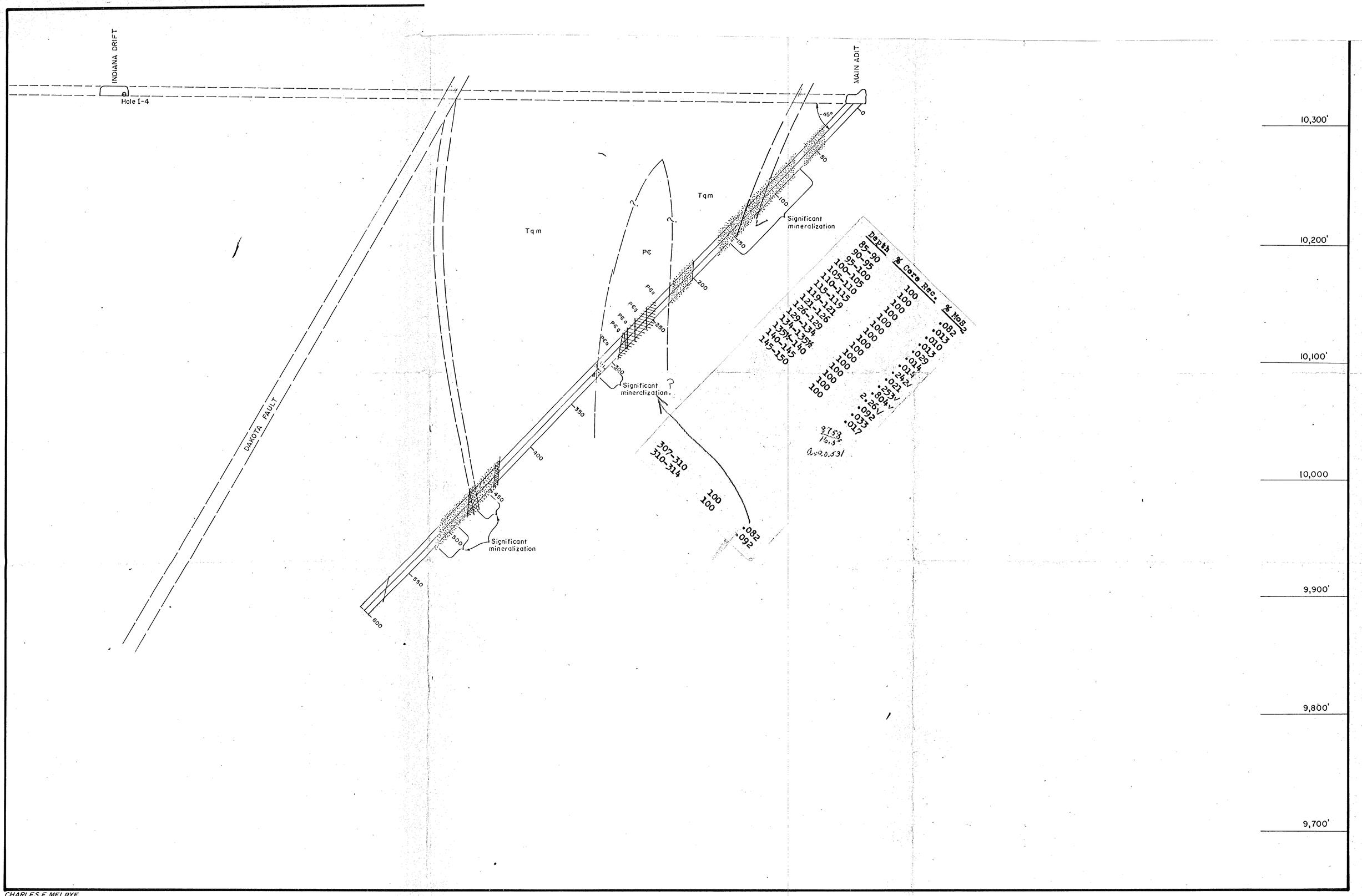
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-10

Scale 1" = 50' Elev. 10,337'
Section Looking East
June 1963

Docket No. 6231
Contract No. 2149



CHARLES E MELBYE
Geological Engineer

NYE METALS INC.

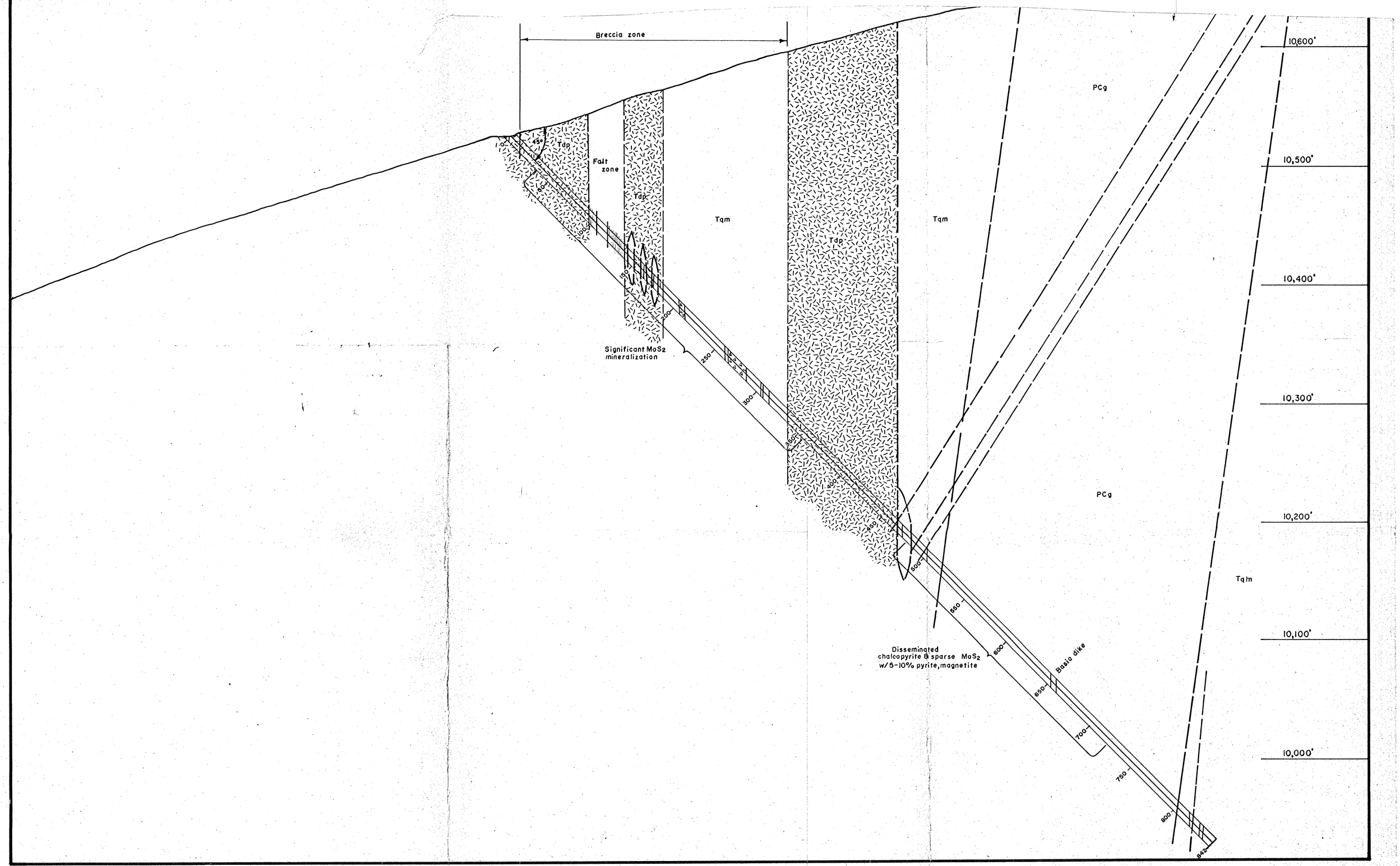
GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-3

Scale 1"=50' Elev. 10,326'
Section Looking East

May 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

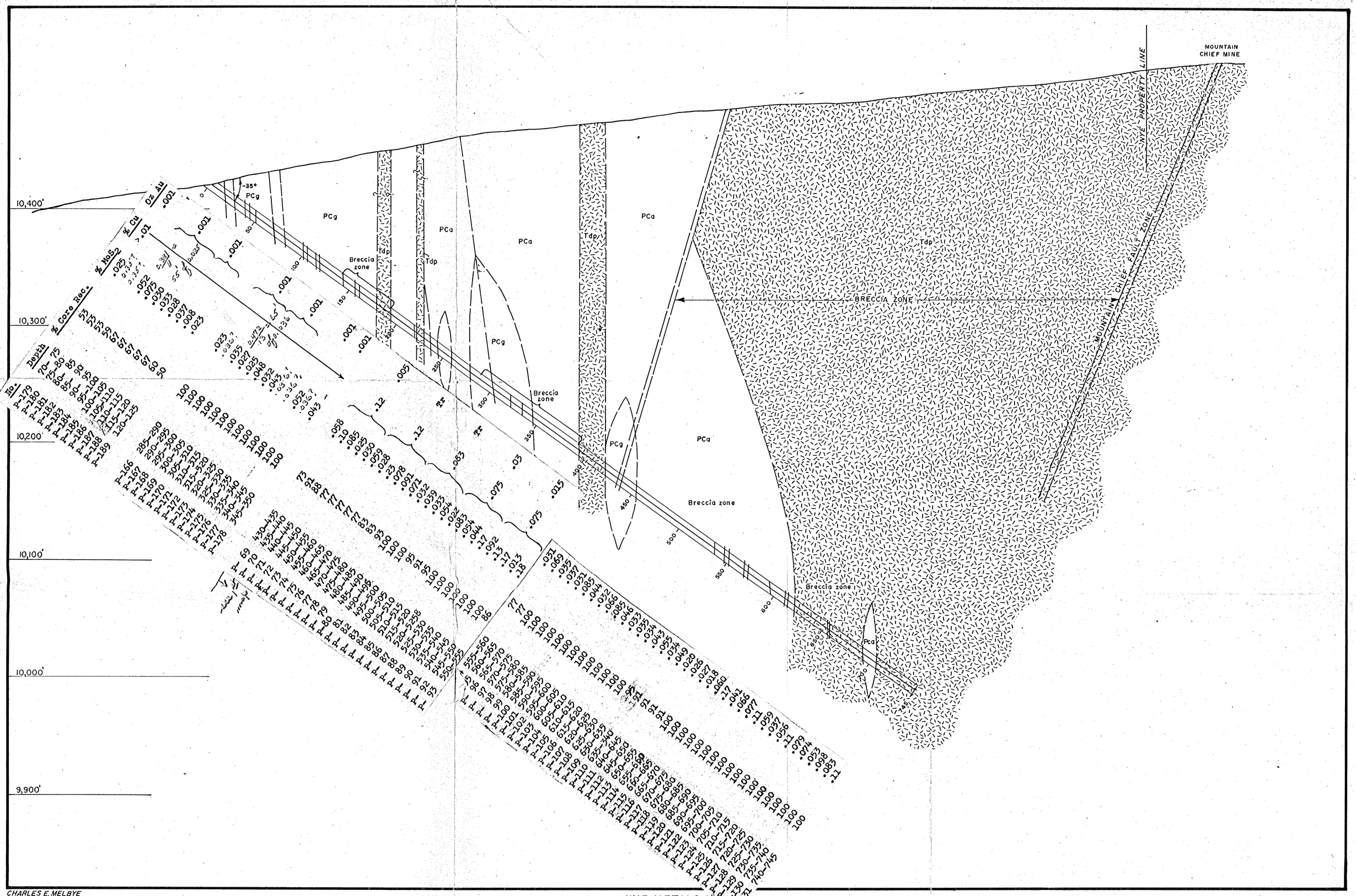
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S2

Scale 1"=50' Elev. 10,527'
E-W Section Looking North
September 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

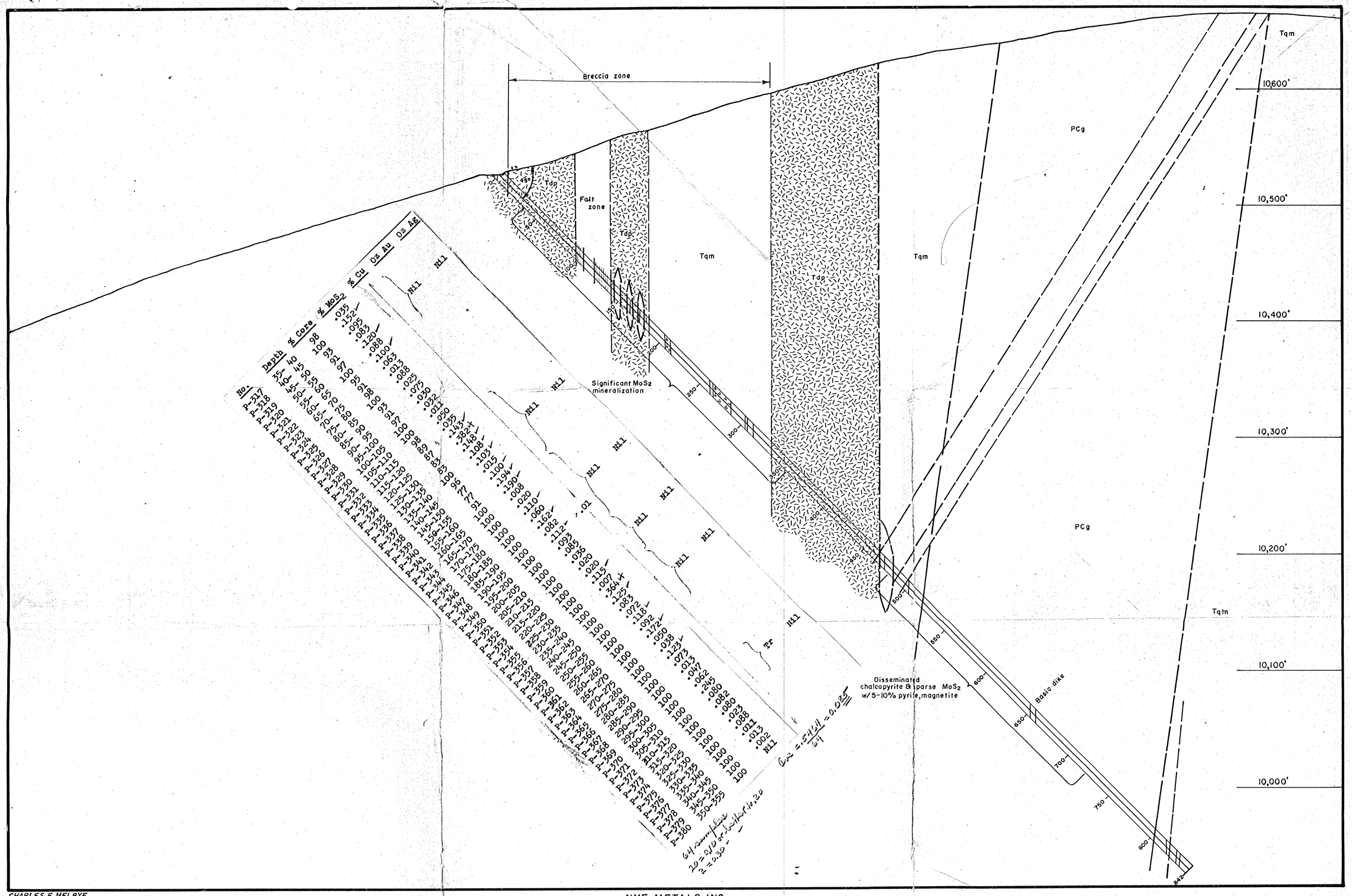
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S1

Scale 1" = 50' Elev. 10,420'
Section Looking East
July 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

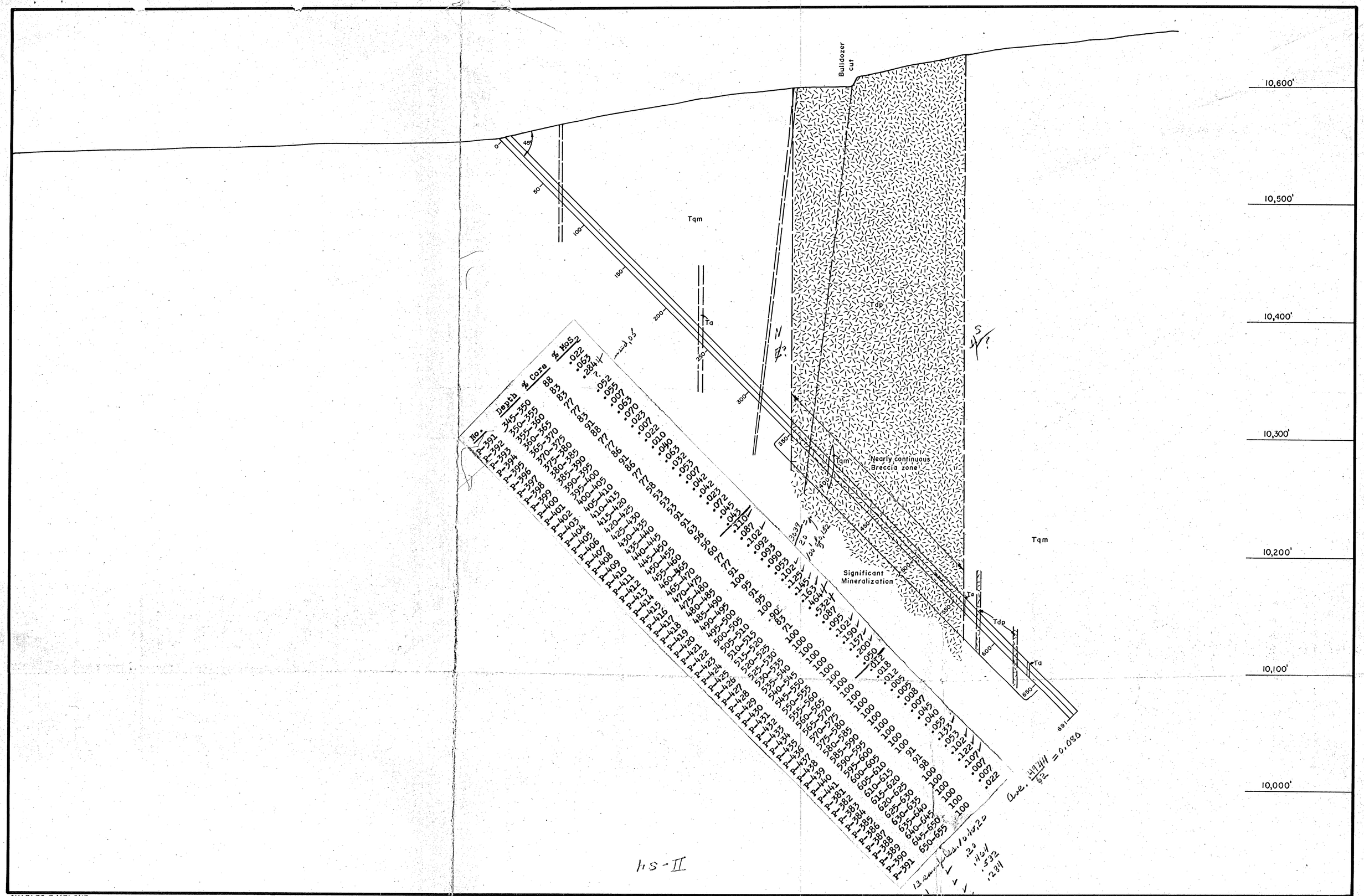
GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S2

Scale 1"=50' Elev. 10,527'
E-W Section Looking North
September 1963

Docket No. 6231
Contract No. 2149

II-S2



CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

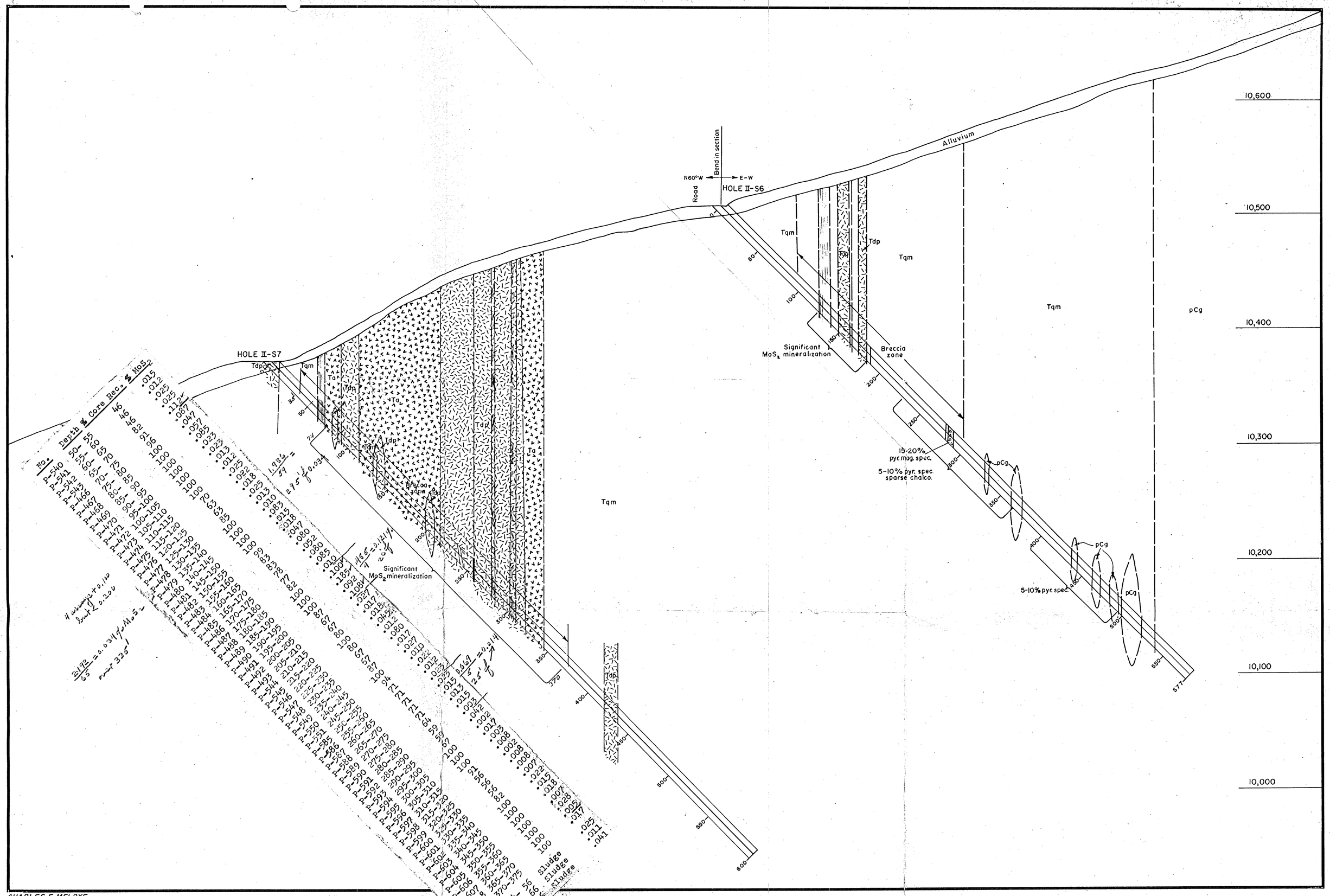
GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S4

This hole parallels structure rather than x-cutting it.?

Scale: 1" = 50' Elev. 10,555'
S 22° W Section Looking West
September 1963

Docket No 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

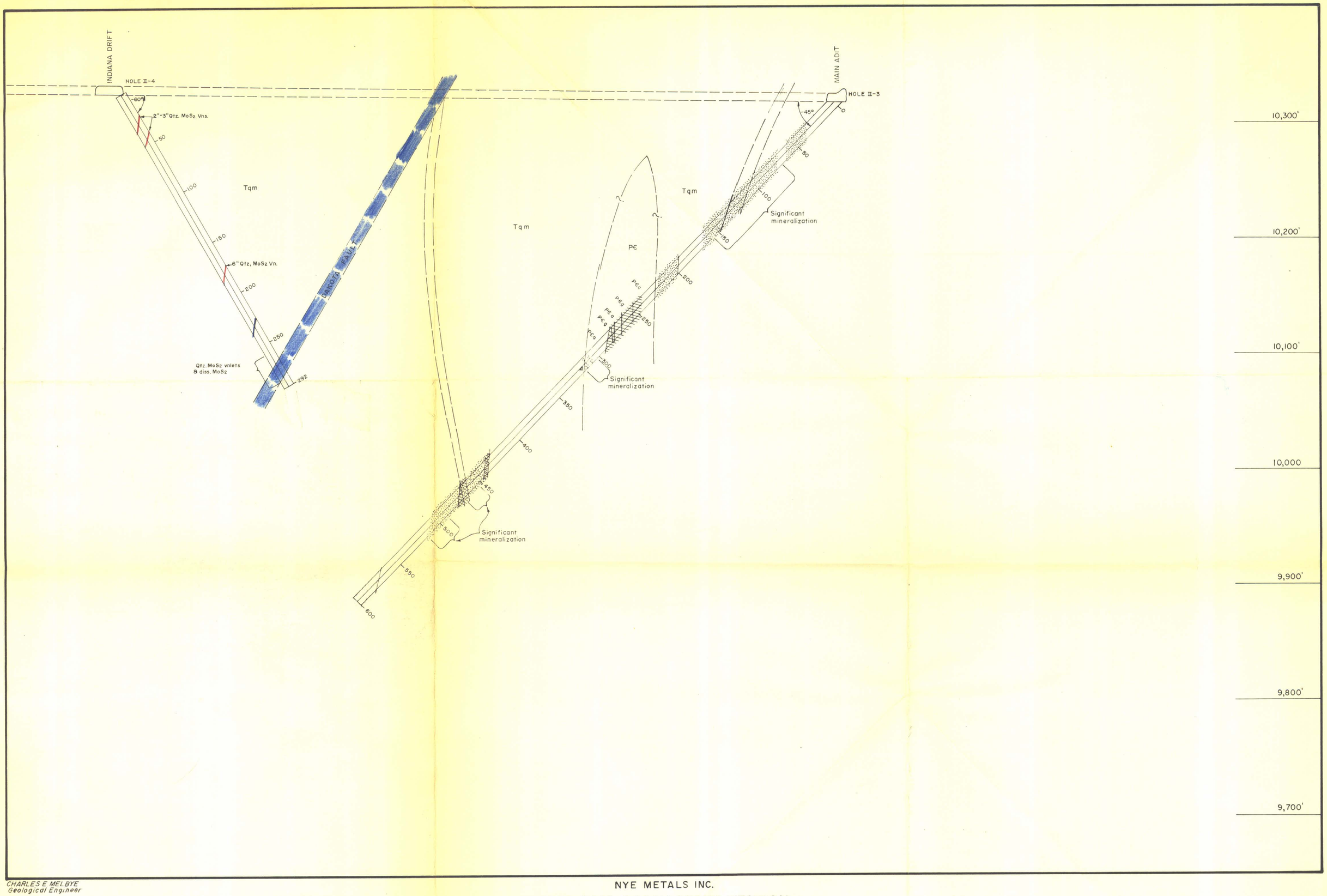
GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE NO. II-S6 & II-S7

Scale 1"=50' Elev. 10,508' & 10,376'

E-W Section Looking North

November 1963

Docket No. 6231
Contract No. 2149



CHARLES E MELBYE
Geological Engineer

NYE METALS INC.

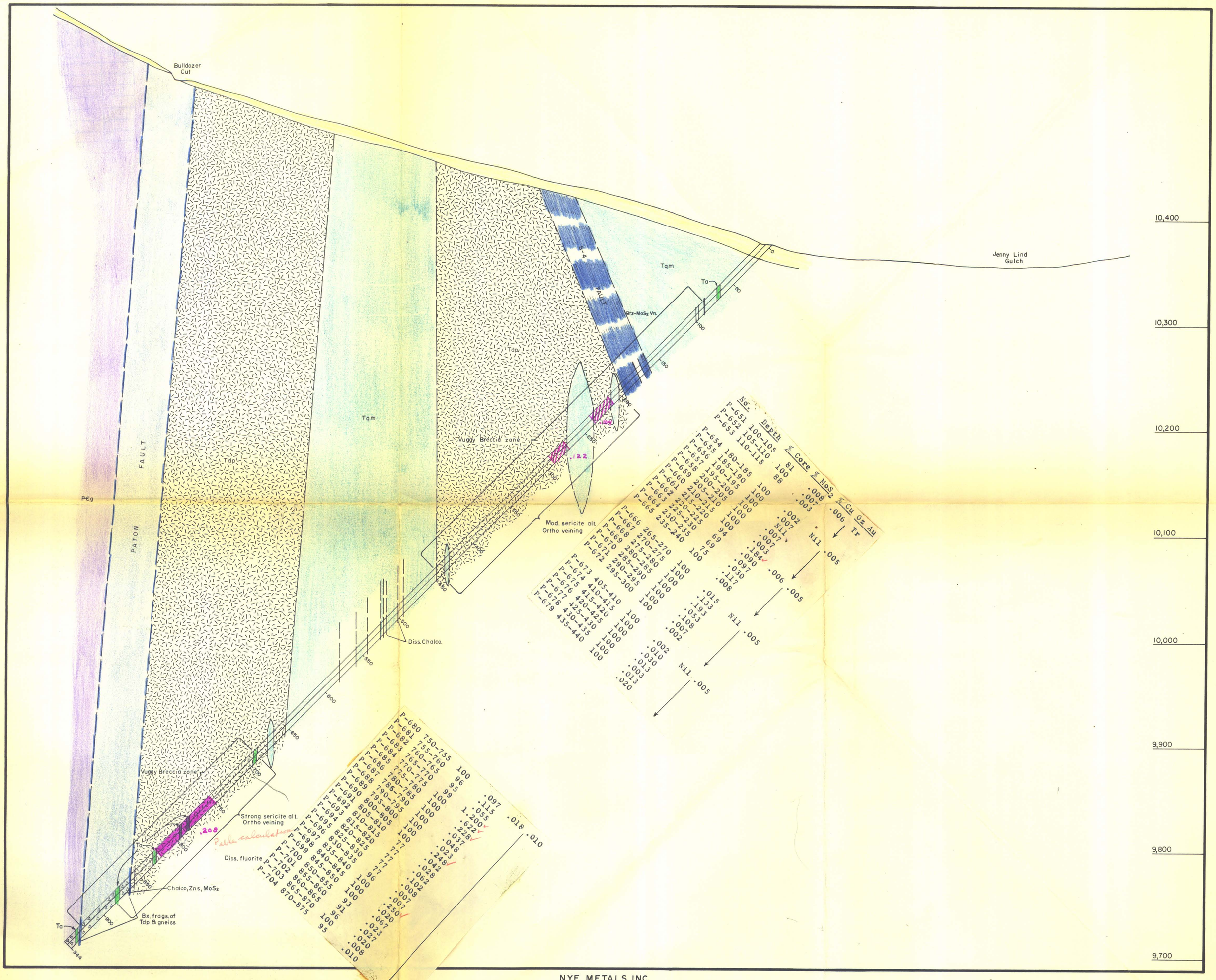
GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-3 & II-4

Scale 1" = 50' Elev. 10,326'
Section Looking East

May 1963 Aug. 1964

Docket No. 6231
Contract No. 2149



NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S9

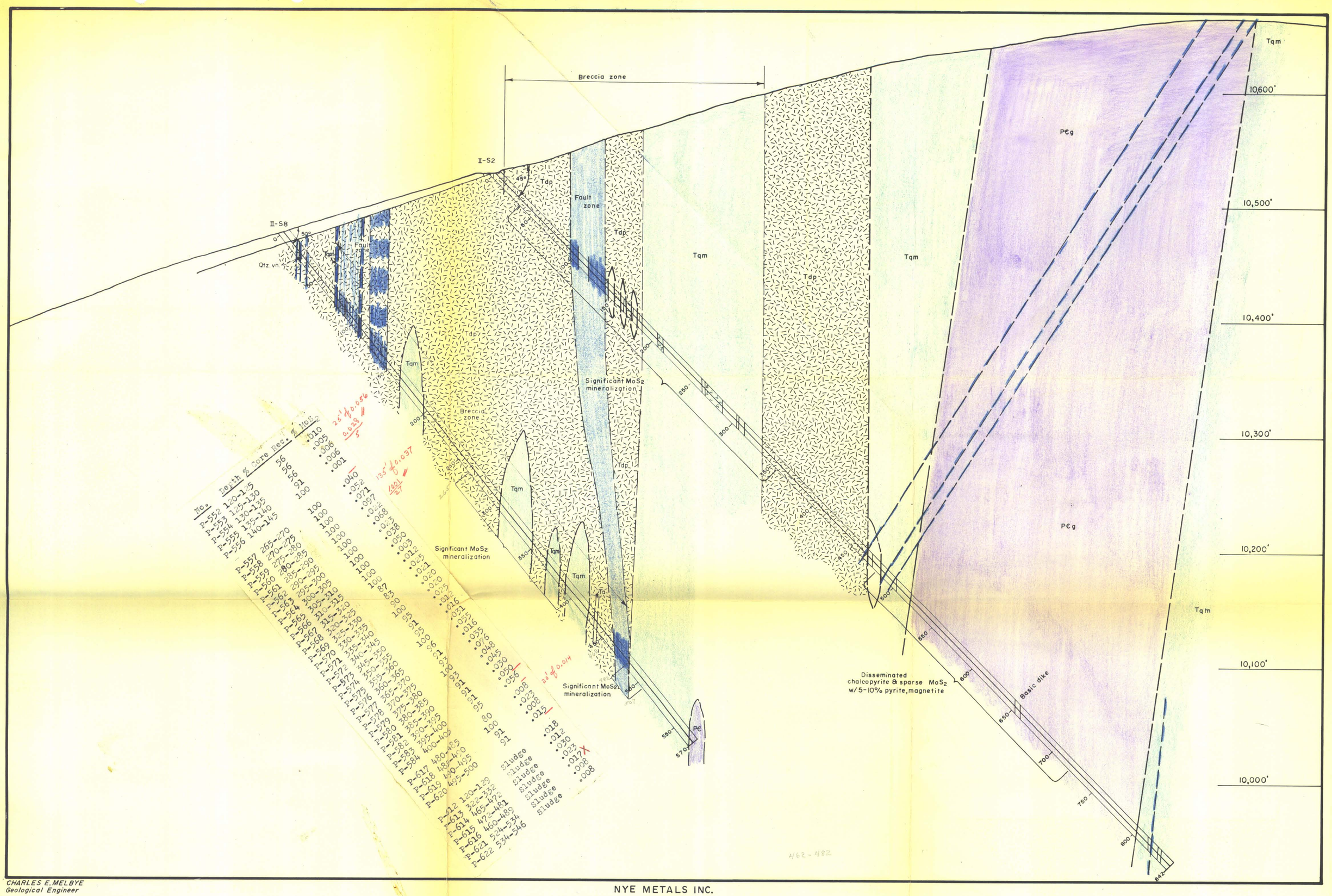
Scale: 1" = 50' Elev. 10,380'

N40°E Section Looking N. W.

June 1964

Docket No. 6231
Contract No. 2149

Map submitted with June 1964 Operators Narrative Report



CHARLES E. MELBYE
Geological Engineer

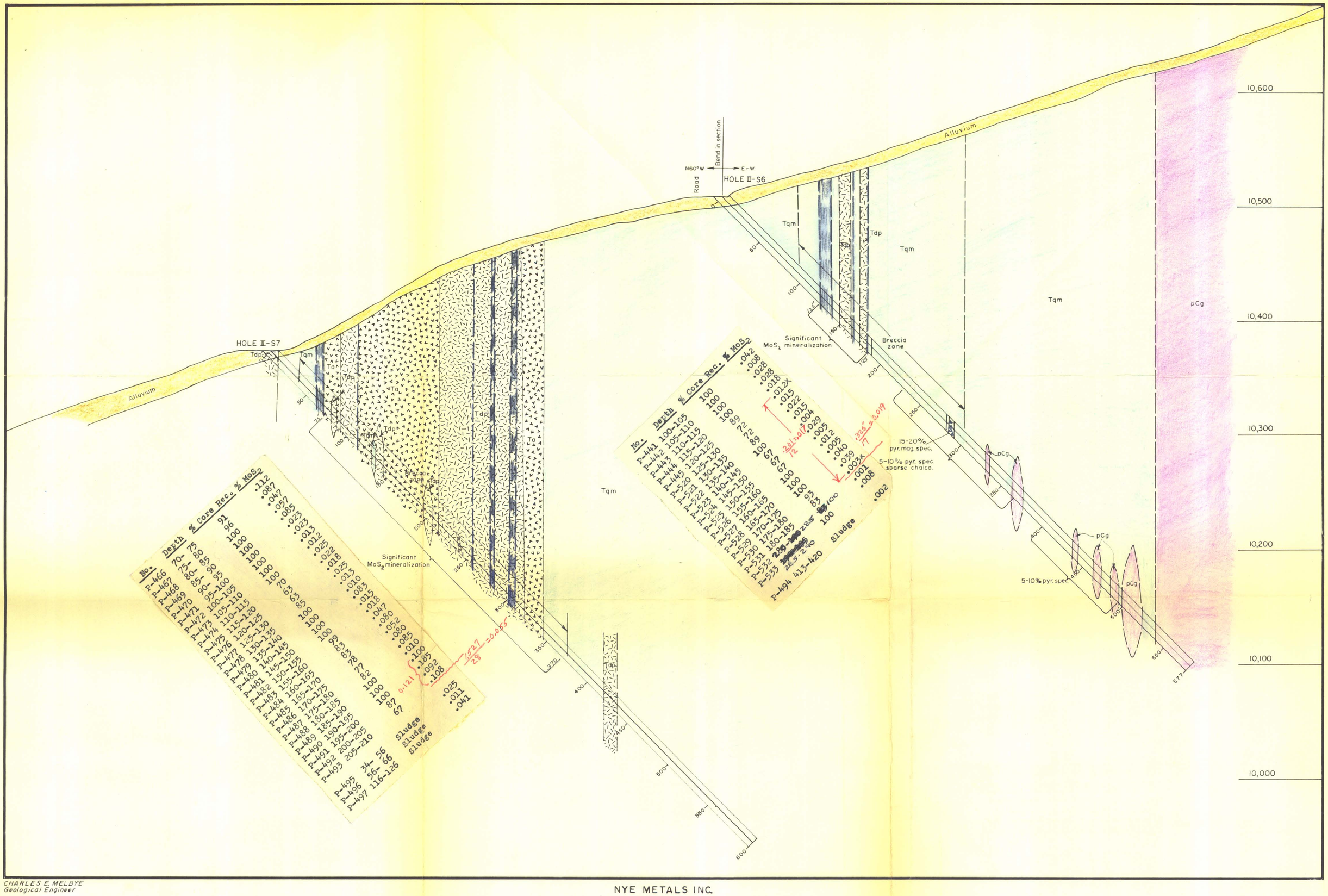
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE NO. II-S2 & II-S8

Scale 1"=50' Elev. 10,527'
E-W Section Looking North
September 1963

Docket No. 6231
Contract No. 2149



No.	Depth	% Core Rec.	% MoS_2
P-441	100-105	100	.042
P-442	105-110	100	.008
P-443	110-115	100	.028
P-444	115-120	100	.028
P-445	120-125	89	.018
P-520	125-130	72	.012X
P-521	130-135	72	.015
P-522	135-140	89	.022
P-523	140-145	100	.015
P-524	145-150	67	.004
P-525	150-155	67	.029
P-526	155-160	67	.005
P-527	160-165	100	.012
P-528	165-170	100	.005
P-529	170-175	100	.040
P-530	175-180	93	.039
P-531	180-185	83	.003X
P-532	185-[illegible]	[illegible]	.001
P-533	225-240	100	.008
P-494	413-420	100	.002

No.	Depth	% Core Rec.	% MoS_2
P-466	70- 75	91	.112
P-467	75- 80	96	.067
P-468	80- 85	100	.047
P-469	85- 90	100	.057
P-470	90- 95	100	.085
P-471	95-100	100	.023
P-472	100-105	100	.023
P-473	105-110	100	.013
P-474	110-115	100	.012
P-475	115-120	100	.025
P-476	120-125	70	.022
P-477	125-130	63	.018
P-478	130-135	63	.025
P-479	135-140	85	.013
P-480	140-145	100	.010
P-481	145-150	100	.083
P-482	150-155	100	.015
P-483	155-160	99	.018
P-484	160-165	89	.047
P-485	165-170	78	.080
P-486	170-175	72	.052
P-487	175-180	82	.080
P-488	180-185	100	.085
P-489	185-190	100	.010
P-490	190-195	100	.100
P-491	195-200	100	.185
P-492	200-205	87	.092
P-493	205-210	67	.108
P-495	34- 56	Sludge	.025
P-496	56- 66	Sludge	.011
P-497	116-126	Sludge	.041

CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

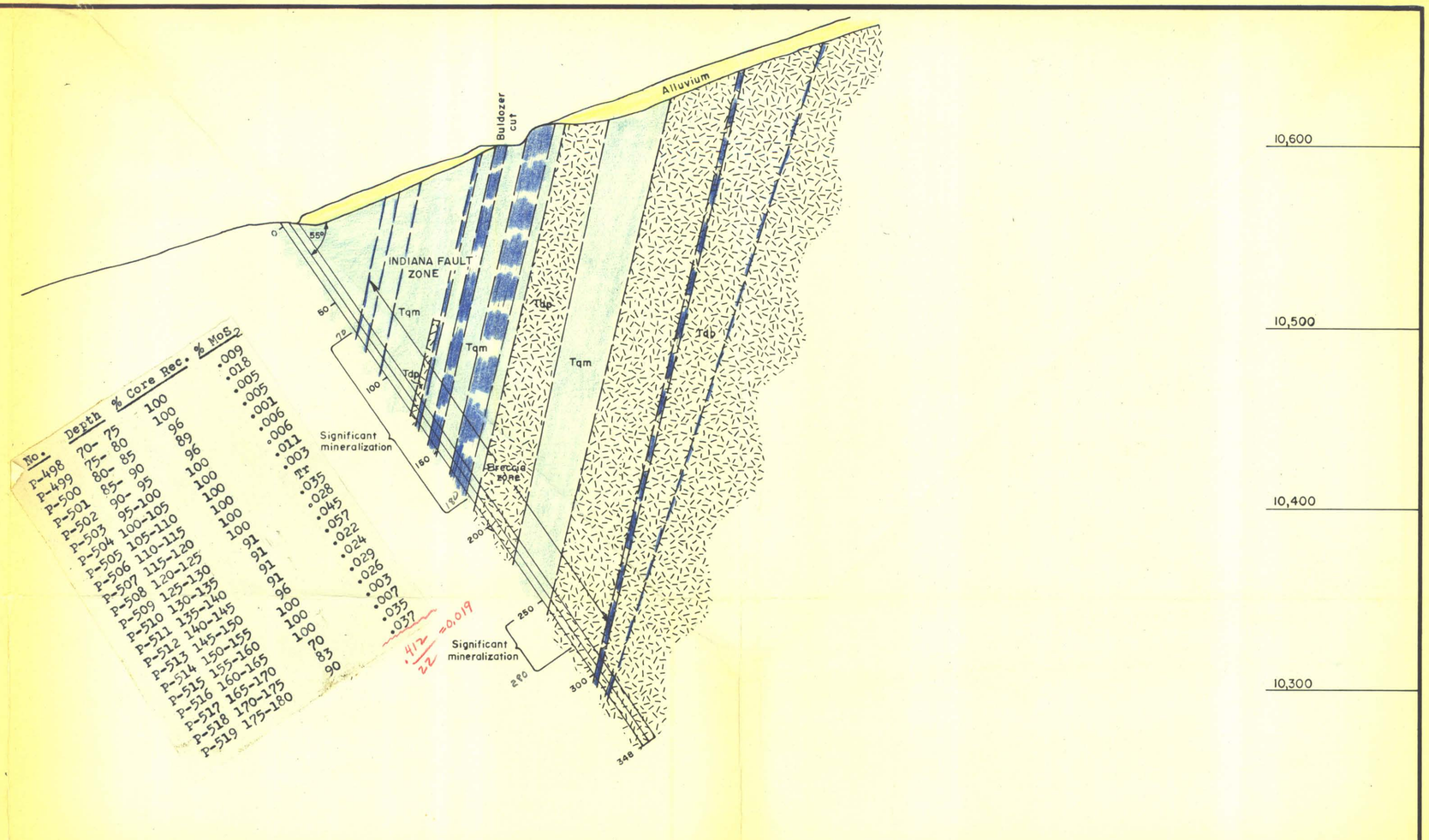
GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE NO. II-S6 & II-S7

Scale 1"=50' Elev. 10,508' & 10,376'

E-W Section Looking North

November 1963

Docket No. 6231
Contract No. 2149



No.	Depth	% Core Rec.	% MoS2
P-498	70- 75	100	.009
P-499	75- 80	100	.018
P-500	80- 85	96	.005
P-501	85- 90	89	.005
P-502	90- 95	96	.001
P-503	95-100	100	.006
P-504	100-105	100	.006
P-505	105-110	100	.011
P-506	110-115	100	.003
P-507	115-120	91	Tr
P-508	120-125	91	.035
P-509	125-130	91	.028
P-510	130-135	91	.045
P-511	135-140	96	.057
P-512	140-145	100	.022
P-513	145-150	100	.024
P-514	150-155	100	.029
P-515	155-160	70	.026
P-516	160-165	83	.003
P-517	165-170	90	.007
P-518	170-175		.035
P-519	175-180		.037

.412 / 22 = 0.019

CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE NO. II-S5

Scale 1"=50' Elev. 10,508'

N 7°W Section Looking North

October 1963

Docket No. 6231
Contract No. 2149

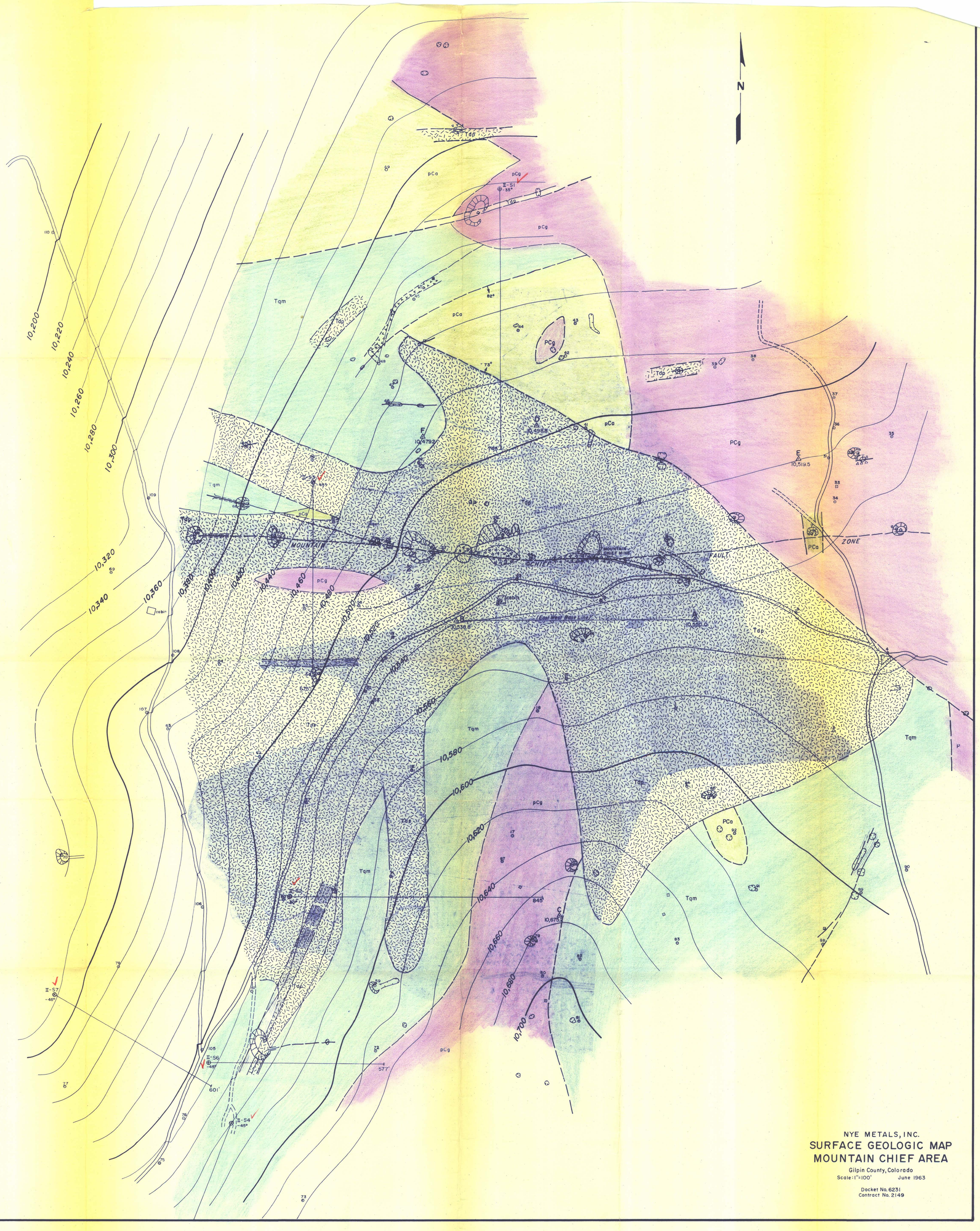
LEGEND

GEOLOGY

- Tdp — Tertiary Dacite porphyry
- Tq — Tertiary Aplite
- Tqm — Tertiary Quartz Monzonite
- pCa — Pre-Cambrian Alaskite
- pCg — Pre-Cambrian Quartz-biotite gneiss
- Molybdenum mineralization
- Breccia zone
- Faults

CULTURE

- Mine dump
- Cut or prospect pit



NYE METALS, INC.

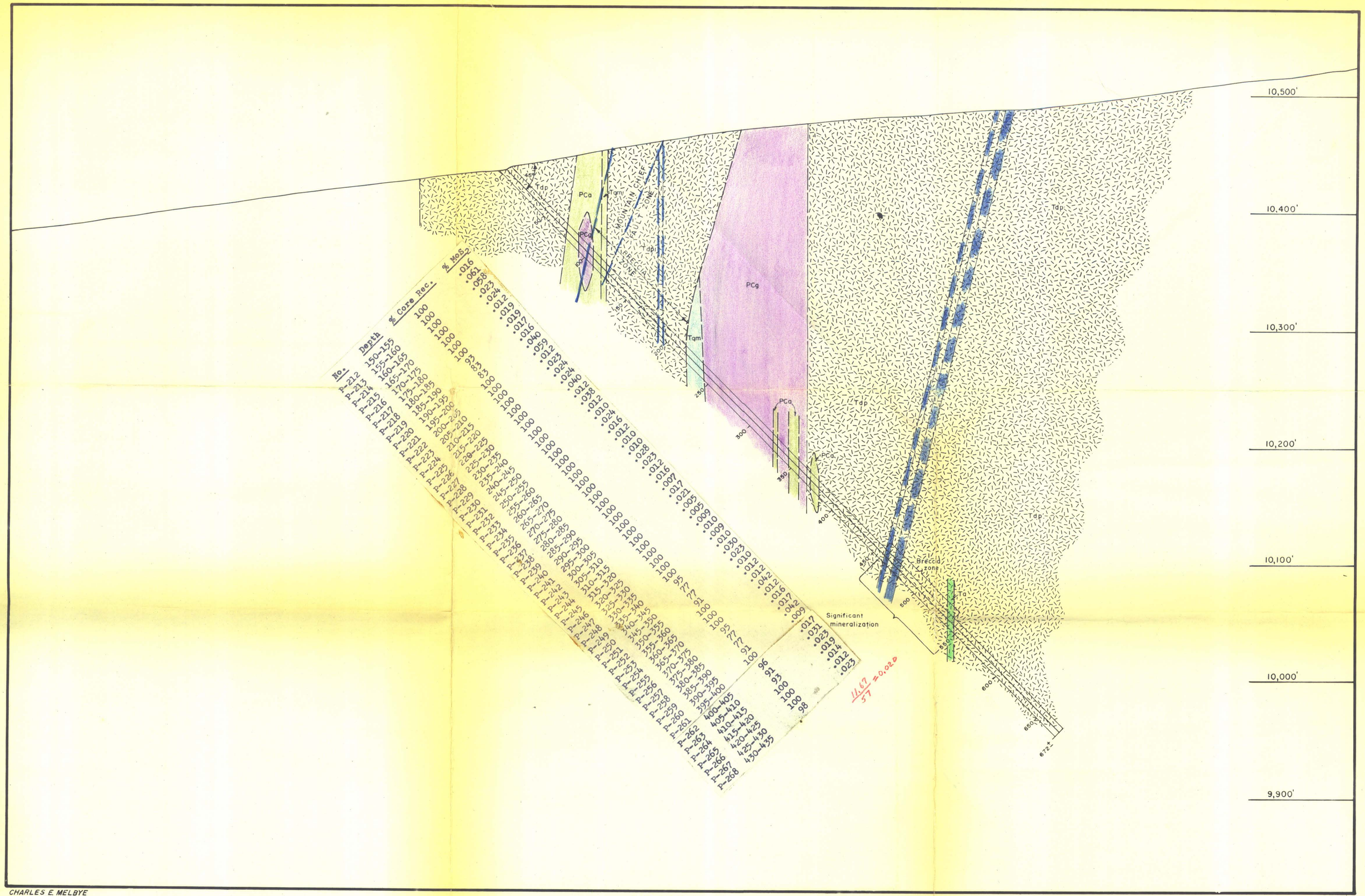
SURFACE GEOLOGIC MAP
MOUNTAIN CHIEF AREA

Gilpin County, Colorado

Scale: 1"=100' June 1963

Docket No. 6231
Contract No. 2149

CHARLES E. MELBYE
Geological Engineer



No.	Depth	% Core Rec.	% MoS2
P-212	150-155	100	.016
P-213	155-160	100	.061
P-214	160-165	100	.058
P-215	165-170	100	.023
P-216	170-175	100	.024
P-217	175-180	100	.012
P-218	180-185	100	.019
P-219	185-190	100	.017
P-220	190-195	93	.016
P-221	195-200	83	.040
P-222	200-205	83	.059
P-223	205-210	100	.012
P-224	210-215	100	.023
P-225	215-220	100	.024
P-226	220-225	100	.024
P-227	225-230	100	.040
P-228	230-235	100	.012
P-229	235-240	100	.038
P-230	240-245	100	.012
P-231	245-250	100	.010
P-232	250-255	100	.024
P-233	255-260	100	.016
P-234	260-265	100	.012
P-235	265-270	100	.010
P-236	270-275	100	.028
P-237	275-280	100	.023
P-238	280-285	100	.012
P-239	285-290	100	.016
P-240	290-295	100	.007
P-241	295-300	100	.017
P-242	300-305	100	.021
P-243	305-310	100	.005
P-244	310-315	100	.009
P-245	315-320	100	.010
P-246	320-325	100	.009
P-247	325-330	100	.010
P-248	330-335	100	.030
P-249	335-340	100	.023
P-250	340-345	100	.010
P-251	345-350	95	.012
P-252	350-355	77	.012
P-253	355-360	77	.042
P-254	360-365	91	.012
P-255	365-370	100	.016
P-256	370-375	100	.017
P-257	375-380	100	.042
P-258	380-385	95	.009
P-259	385-390	77	
P-260	390-395	91	
P-261	395-400	100	
P-262	400-405	96	.017
P-263	405-410	91	.031
P-264	410-415	93	.023
P-265	415-420	100	.019
P-266	420-425	100	.014
P-267	425-430	100	.012
P-268	430-435	98	.023

CHARLES E. MELBYE
Geological Engineer

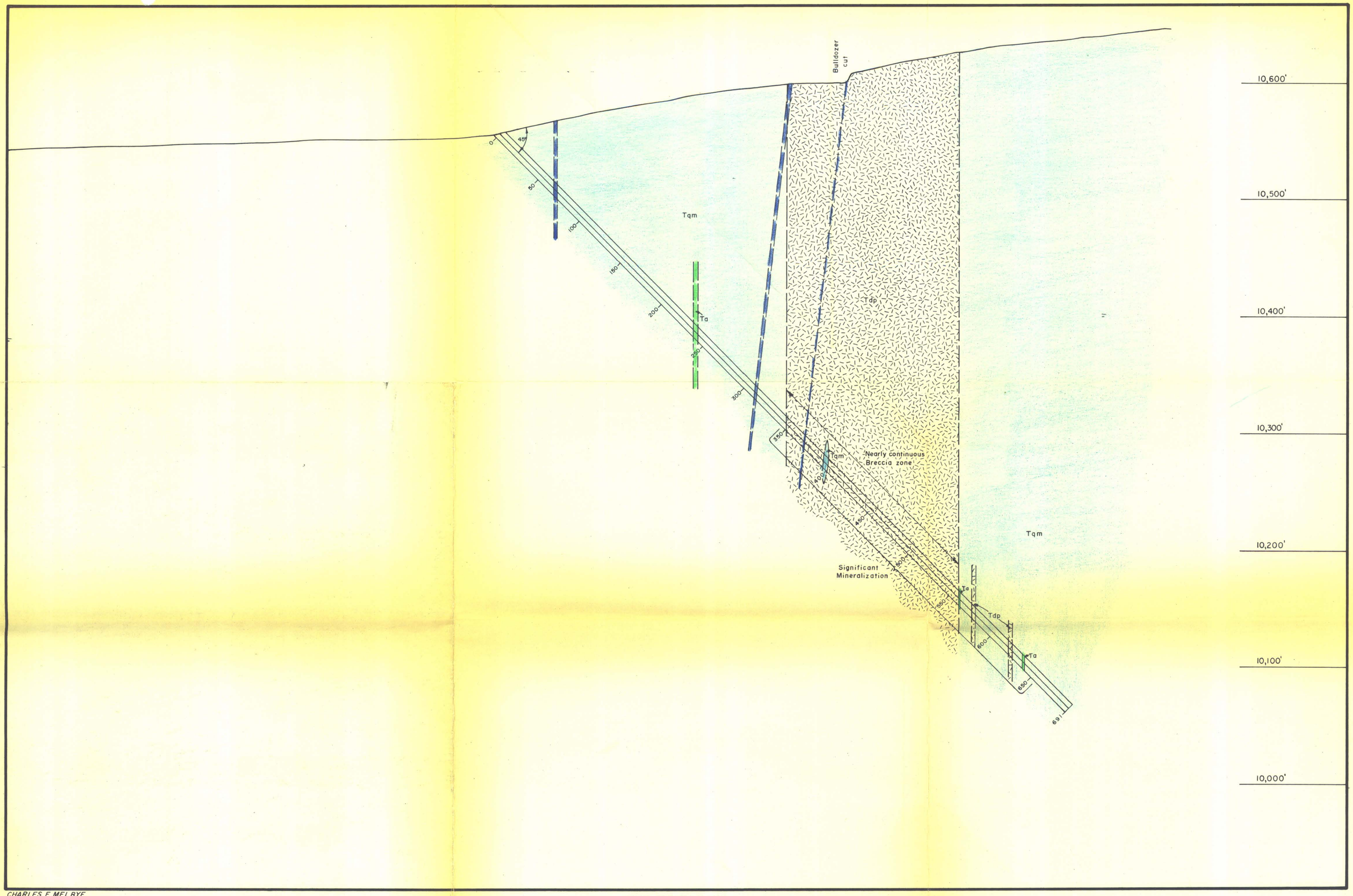
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S3

Scale 1"=50' Elev. 10,435'
N-S Section Looking East
October 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

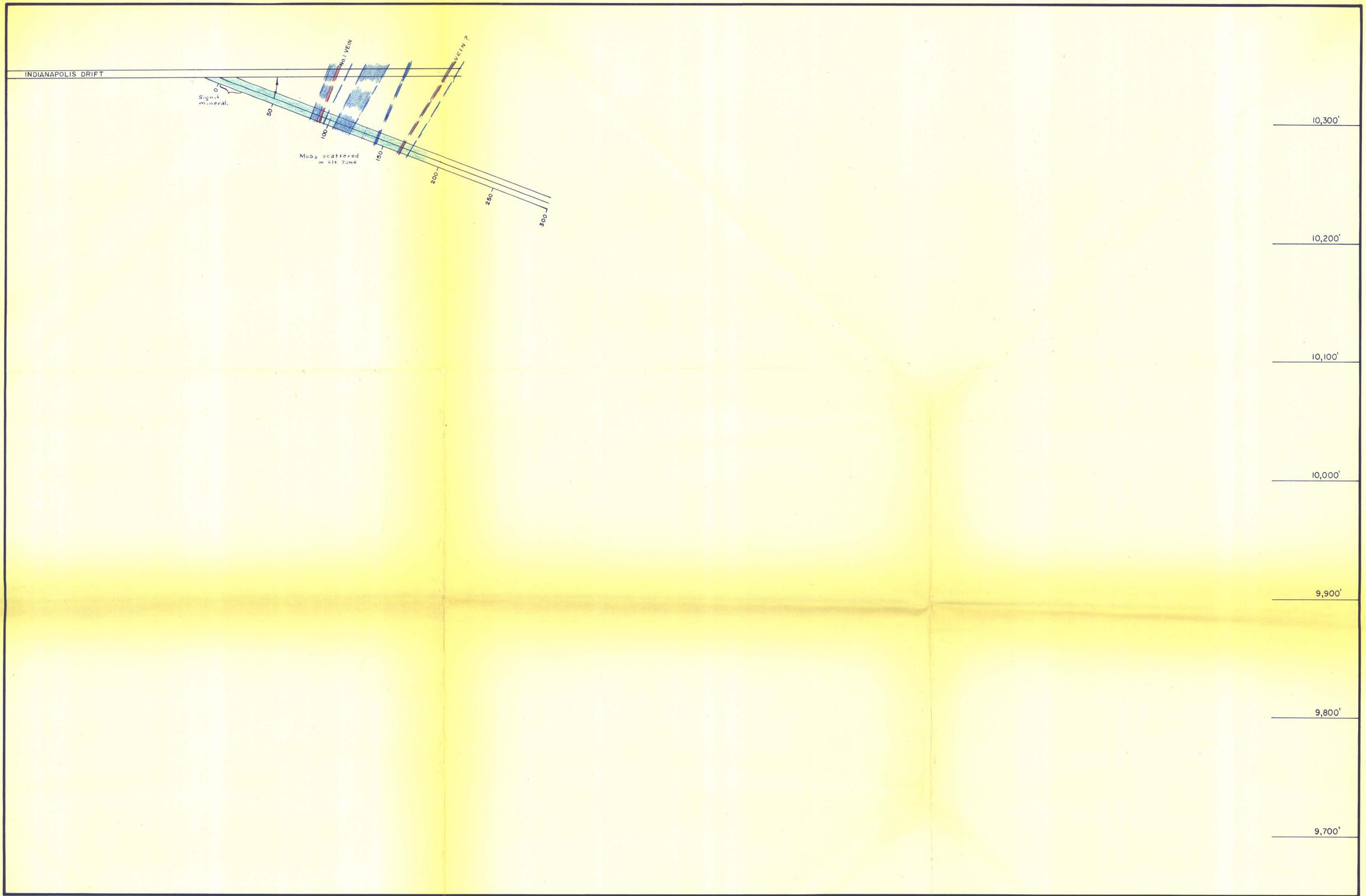
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-S4

Scale: 1" = 50' Elev. 10,555'
S 22° W Section Looking West
September 1963

Docket No 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

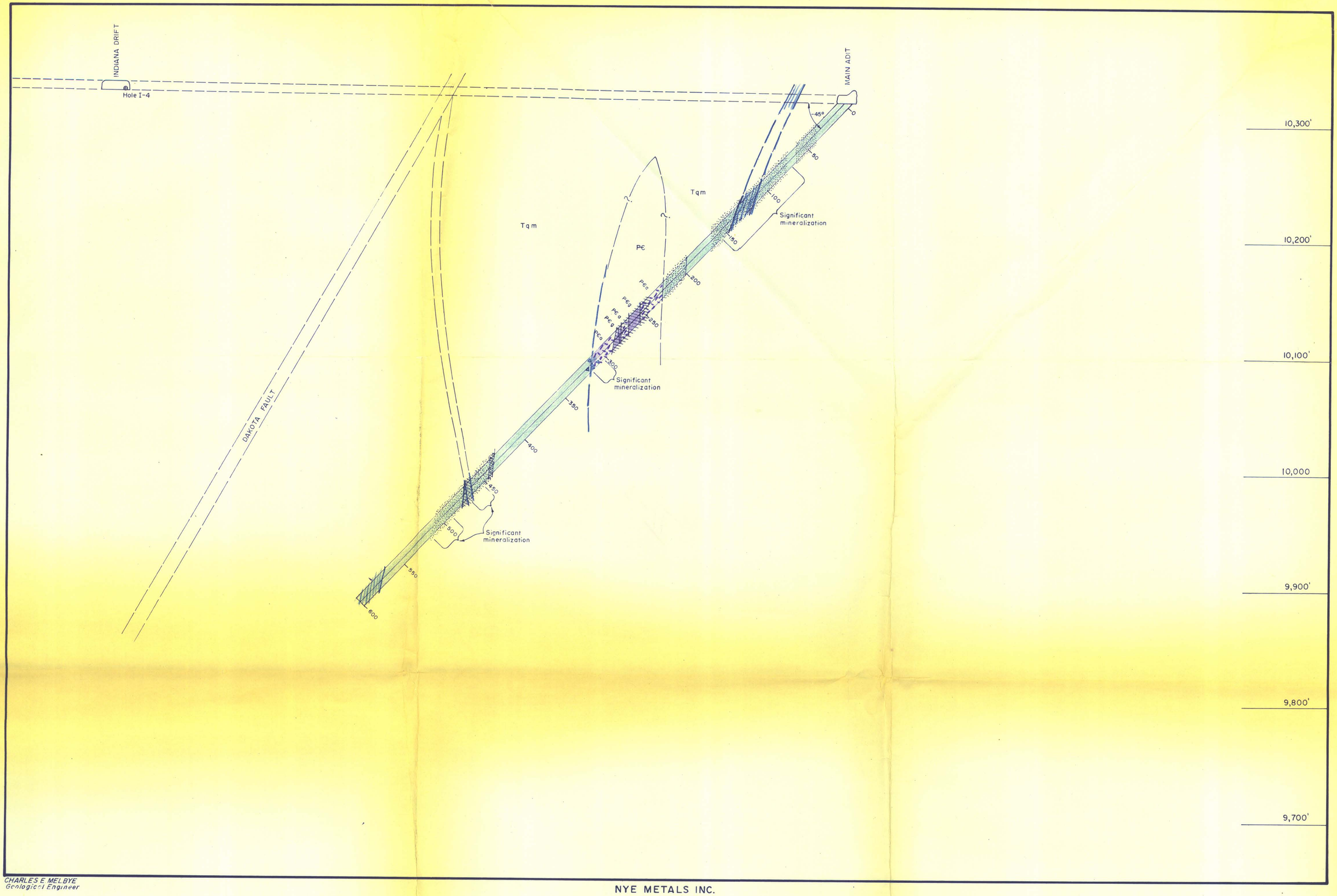
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-10

Scale 1" = 50' Elev. 10,337'
Section Looking North
June 1963

Docket No. 6231
Contract No. 2149



CHARLES E. MELBYE
Geological Engineer

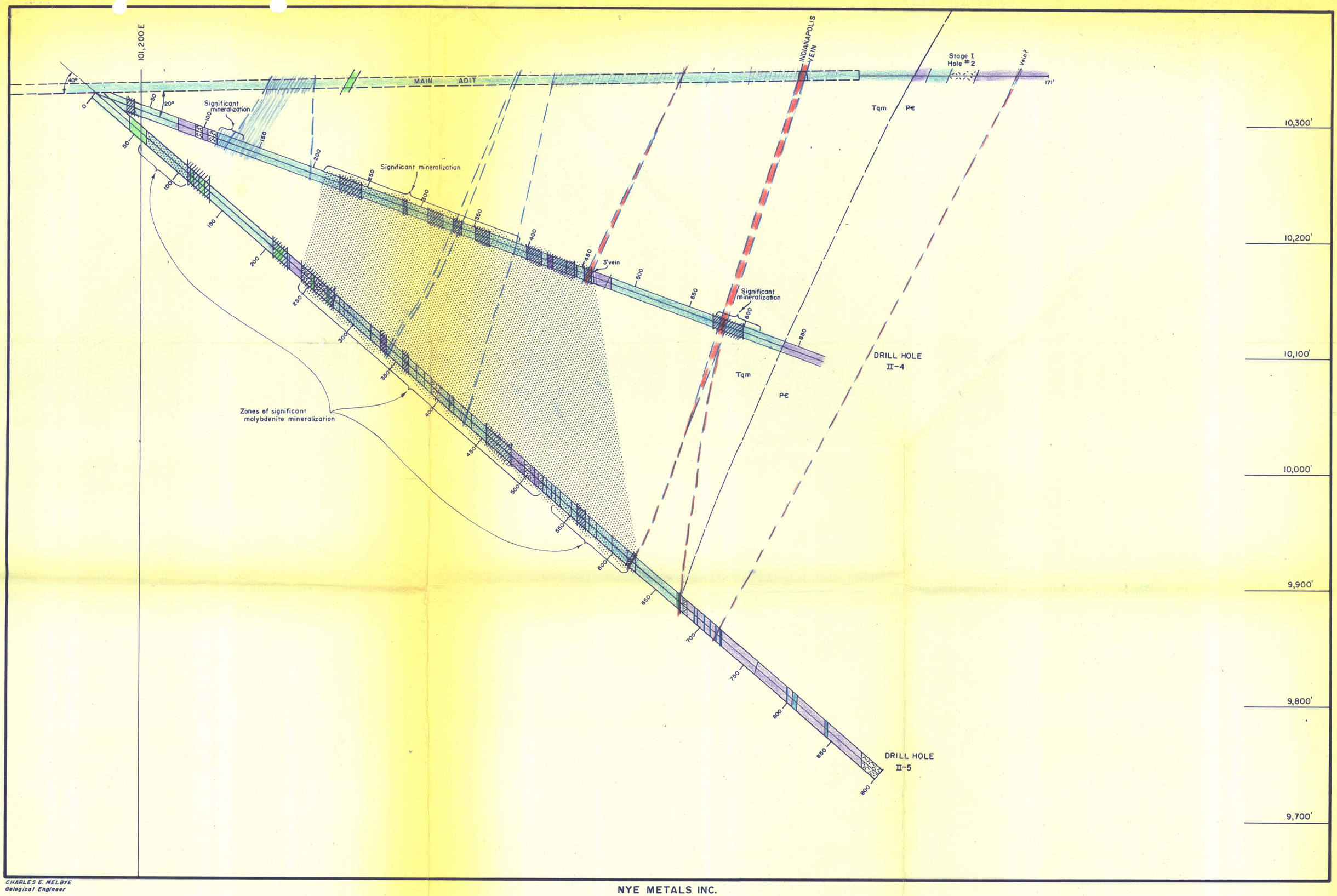
NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION

DRILL HOLE II-3

Scale 1" = 50' Elev. 10,326'
Section Looking East
May 1963

Docket No. 6231
Contract No. 2149



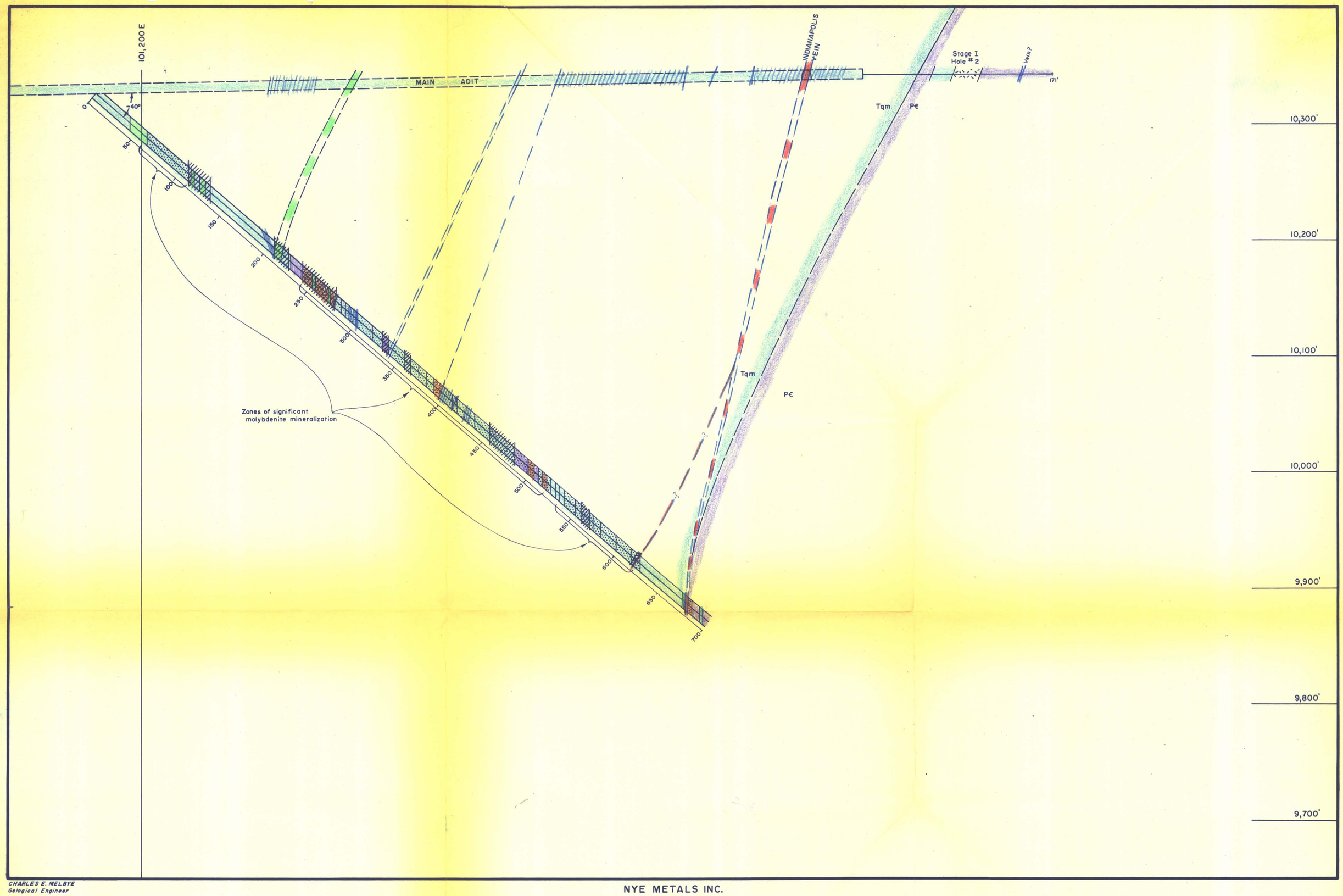
CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE II-4 AND DRILL HOLE II-5

Scale 1"=50' Elev. 10,325'
Section Looking North
March 1963

Docket No. 6231
Contract No. 2149



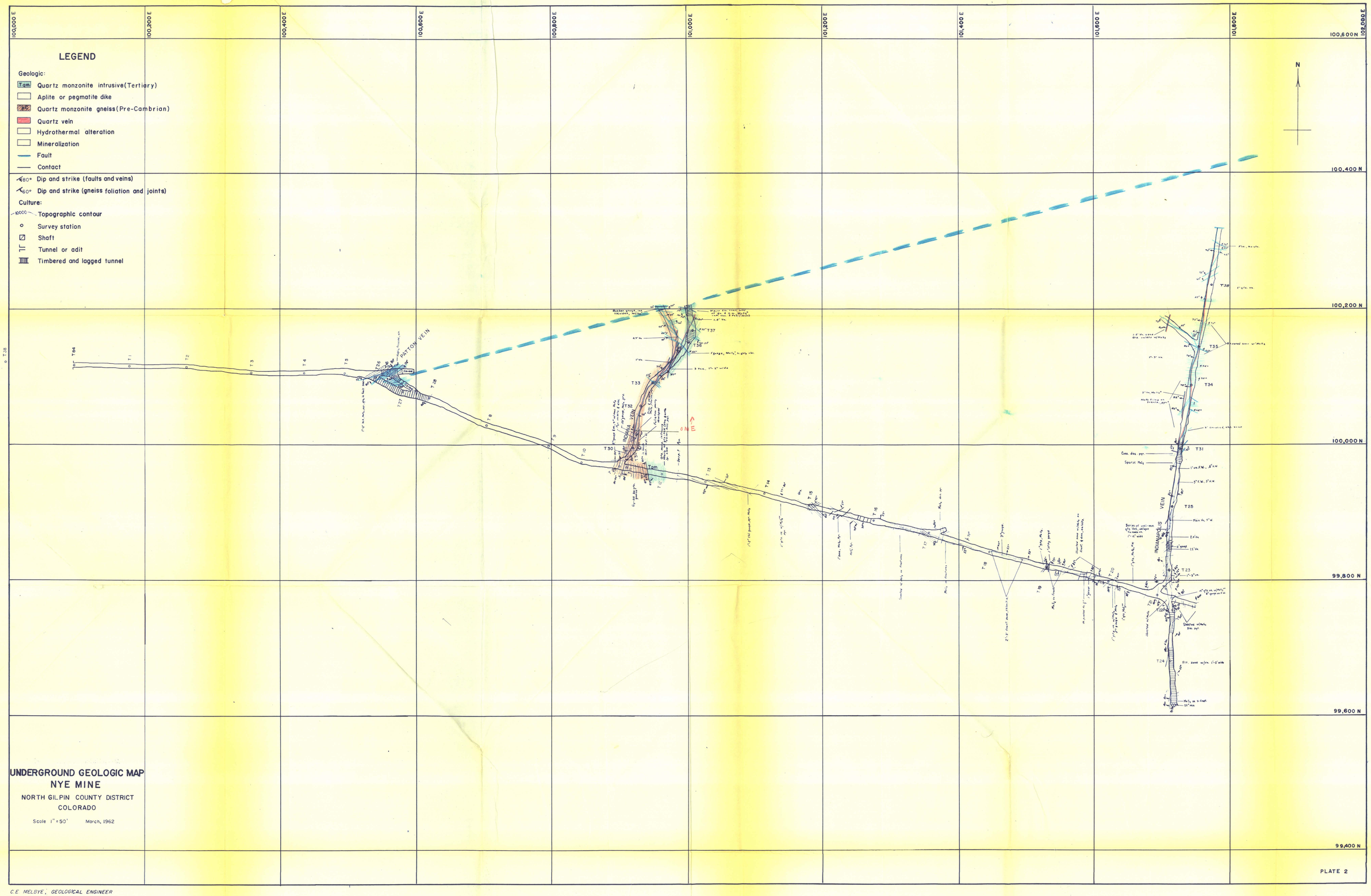
CHARLES E. MELBYE
Geological Engineer

NYE METALS INC.

GEOLOGIC-ASSAY CROSS-SECTION
DRILL HOLE II-5

Scale 1"=50' Elev. 10,325'
Section Looking North
March 1963

Docket No. 6231
Contract No. 2149



C.E. MELBYE, GEOLOGICAL ENGINEER