EXTRA COPY O. M. E. RECEIVED MAY 25 1959		
DATE	INITIALS	CODE
5/25	[illegible]	220
	[illegible]	110
5-26	[illegible]	700
	FINAL DISTRIBUTION MADE MAY 22 1959	

[redacted]
Denver 2, Colorado

May 20, 1959

[redacted]

To: T. A. Christensen

From: Executive Officer, Oil Field Term, Region III

Subject: Project DMA 6/58 (Remedial) Contract 14-20-[illegible], La Salle Mining Company (Poly Day, et al. Claims) Rabbit County, Colorado

Enclosed are the original and four copies each of "Supplementary Form," Forms RF-1.6 and RF-1.6A, for the period of September-October, 1958.

Documentation pertaining to the supplementary claim of $[illegible].00 for mobilization is included with documentation attached to the prior Form RF-1.6 report for the above period, forwarded to you by memorandum dated April 16, 1959.

It is recommended that reimbursement be made to the Operator on the following basis:

Gross amount of supplementary claim	$[illegible].00
Government participation at 75 percent	$[illegible].00
Amount due Operator	$[illegible].00

Please continue to withhold the sum of $[illegible].00 which was withheld from reimbursement to the Operator in processing the prior Form RF-1.6, Operator's Monthly Report and Voucher, for the period of September-October-November, 1958.

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JWT:jf

cc: Gen. Mgr. Oper. (2)
Balser, [illegible]
RF-1.6 File, Reg. III
[illegible]
Surgeons file, Reg. III
Chron.

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

MAY 25 1959
O.M.E.

SUPPLEMENTARY FORM

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, October November, 1959 Docket No. DMEA 4721 Contract No. DR1207

Operator's Name La Salle Mining Company Minerals Uranium

Address P. O. Box 217, Grand Junction, Colorado

Contract Amount, $ 54,234.00 Government Participation: 75 % Amount, $ 40,675.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	0.00	11,094.10	11,094.10			
Bulldozing	0.00	408.00	408.00			
Crosscutting & Drifting	0.00	9,504.00	9,504.00			
Standby time	0.00	165.00	165.00			
Self Potential Sta.	0.00	1,800.00	1,800.00			
(2)						
Mobilization	400.00	0.00	400.00			
Incid.Allow.	0.00	1,764.20	1,764.20			
Drill Sta.	0.00	598.50	598.50			
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis	0.00	15.00	15.00			
Payroll Taxes						
Liability Insurance						
Core boxes	0.00	450.50	450.50			
(8) Contingencies (specify):						
TOTALS	400.00	25,799.30	26,199.30			

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

Date May 15, 1959 *Payee La Salle Mining Company

Per M. J. Chandler Title Project Supervisor

*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.

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

(Instructions on reverse)

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

$ 300.00

Signature RRQ
(Authorized Certifying Officer)

Date 5/21/59 Vou. No. OME-59-109

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Idm-E1207 in accordance with the terms of the contract.

Signature [signature] Title Executive Officer Date MAY 20 1959

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [signature] Title Executive Officer Date MAY 20 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAY 25 1959
O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

SUPPLEMENTARY FORM

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September, October, November 195[illegible] Docket No. DMEA 4721 Contract No. [illegible]

Operator's Name La Salle Mining Company Minerals Uranium

Address P. O. Box 217, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
		STAGE 1						
Drifting & Crosscutting	Ft.	0.00	0	9,504.00	288	33.00	200	33.00
Self Poten. Sur. Sta.		0.00	0	1,800.00	900	2.00	900	2.00
Exp. Drill. Surf.	Ft.	0.00	0	5,133.60	744	6.90	750	1/
Exp. Drill. U.ground	Ft.	0.00	0	3,673.00	700	5.53	700	2/
Standby time	Hr.	0.00	0	143.00	13	11.00	30	11.00
Sulphuric Acid Alloy. Surf.		0.00	0	409.20	744	0.55	750	0.55
Sulphuric Alloy. U.ground		0.00	0	1,190.00	700	1.70	700	1.70
Drilling Sts. "A"	Cu.Ft.	0.00	0	399.00	420	0.95	420	0.95
Drill Sts. "B"	Cu.Ft.	0.00	0	199.50	210	0.95	210	0.95
Shipping Core boxes	Box	0.00	0	365.00	83	4.40	55	5.00
Testing Analyses	Spl.	0.00	0	15.00	3	5.00	55	5.00
Mobilization		400.00	1	400.00	1	400.00	Job	400.00
TOTAL DISTRIBUTED COSTS		400.00		23,431.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		400.00		23,431.30				24,234.00

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 15, 1959 Operator La Salle Mining Company

Per M J Chandler Title Project Supervisor

REMARKS: 1/ BX @ 6.00
BX @ 6.40
AX @ 6.05

2/ 0-250' int.: BX @ 5.00
BX @ 5.10
250-500' int.: BX @ 5.70
AX @ 5.35

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

RECEIVED
MAY 21 1959
AUDITS
BUREAU OF MINES
REGION III
DENVER, COLO.

GPO 872894

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAY 25 1959
O.M.E.

SUPPLEMENTARY FORM

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of September, October, November 195 8 Docket No. DMEA 4721 Contract No. F1207

Operator's Name La Salle Mining Company Minerals Uranium

Address P. O. Box 217, Grand Junction, Colorado

OPERATION	Unit	Costs This Month	Units This Month	Costs to Date	Units to Date	Unit Costs to Date	Authorized by Contract: Units	Authorized by Contract: Unit Costs
Bulldozing	Hr.			408.00	34	12.00	125	12.00
Drill 0-250 ft.	Ft.			1,725.00	250	6.90	2500	6.90
Drill 250-500 ft.	Ft.			362.50	50	7.25	500	1/
Standby Time	Hr.			22.00	2	11.00	50	11.00
Core house	Box			95.50	19	4.50	110	5.00
Incid. Allow.	Ft.			165.00	300	0.55	3000	0.55
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
Total Distributed Costs				2,768.00				Total Costs Authorized by Contract
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
Total Costs		0.00		2,768.00				54,234.00

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 25, 1959 Operator La Salle Mining Company

Per W. J. Chandler Title Project Supervisor

Remarks: 1/ ~~BX~~ @ $7.25/ft. ~~or AX @ $6.90/ft.~~

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

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RECEIVED
MAY 21 1959
AUDITS
BUREAU OF MINES
REGION III
DENVER
COLO.

FINAL DISTRIBUTION
MADE APR 20 1959

U. S. DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
REGION III

EXTRA COPY
O. M. E.
RECEIVED APR 23 1959

DATE	INITIALS	Payee's
4/23	G	220
"	JEG	110
"	chiq	700

Administrative Audit Difference Statement

La Salle Mining co.
P. O. Box 217
Grand Junction, Colorado

Date: April 17, 1959
Reference: November 1958
DMEA-4721

Gentlemen:

Upon examination of the above Payee's Reference a difference was found which made it necessary to suspend your account accordingly:

Amount Claimed $ 17,946.80

Difference $ 1,731.00

Amount Approved $ 16,063.80

The reason for the difference was due to:

The Operator has exceeded the maximum allowable depths of four of the six holes drilled during the reporting period, as indicated below:

Hole No.	Max. Allow. Depth	Depth Drilled	Excess
2 (Underground)	250 Ft.	317 Ft.	67 Ft.
3 (Underground)	300 "	362 "	62 "
4 (Surface)	250 "	287 "	37
5 (Surface)	250 "	250 "	0 "
6 (Surface)	250 "	244 "	0 "
7 (Surface)	300 "	351 "	51 "

Any reclaim for deductions made above must be supported by the ORIGINAL of this form.

Very sincerely yours,

N. E. Stokes
Audit Section

R-III-B & F Form No. 4
4-15-52 D

Transmitted with Journeaux's memo of 4/16/59 to J. A. Christensen

The reported cost incident to 129 feet of excess underground drilling, and 88 feet of surface drilling is disallowed, as follows:

Disallowance, Underground Drilling

Reported cost, 679 feet at total cost of----------$3,760.30
Acceptable (invoice) cost for 550 feet:
NX, 0-250 ft. interval, 396 ft. at $5.60----------$2,217.60
BX, 0-250 ft. interval, 104 ft. at $5.10---------- 530.40
NX, 250-500 Ft. interval, 50 ft. at $5.70---------- 285.00
Acceptable cost, holes 2 and 3----------$3,033.00
Amount disallowed----------$ 727.30

Disallowance, Surface Drilling

Reported cost, 1,129 feet at total cost of---------- $7,859.10
Acceptable (invoice) cost:
NX, 0-250 ft. interval, 994 ft. at $6.90/ft.----------$6,858.60
NX, 250-500 Ft. interval, 50 ft. at $7.25/ft.---------- 362.50
Acceptable cost, holes 4 and 7----------$7,221.10
Amount to be disallowed---------- $ 638.00

Disallowance, Incidental Allowance

Disallow:
Incidental Allowance, Underground Drilling, 129 ft. at $1.70/ft.----------$ 219.30
Incidental Allowance, Surface Drilling, 88 ft. at $0.55/ft.---------- 48.40
Amount disallowed----------$ 267.70

Disallowance, Core Boxes

The examining engineer has determined that a total of 11 core boxes were used in conjunction with excess drilling. The cost of excess core boxes is disallowed, as follows:

Disallowed:
Reported cost for 8 core boxes at $4.50 ea.-- $ 36.00
Reported cost for 3 core boxes at $4.00 ea.-- 12.00--
Amount disallowed----------$ 48.00

Disallowance, Drill Hole Survey

Hole No. 3 was surveyed for deviations in direction and dip. The contract does not provide for this work; therefore, the reported cost for drill hole surveying is disallowed, as follows:

Disallowed, reported cost for drill hole survey, 10 hours at $10.00 per hour----------$ 100.00

Total amount to be disallowed----------$1,781.00

Withheld an amount of $500.00 from reimbursement to the Operator pending resumption of work under the contract. If additional work is not approved by the Government, and performed by the Operator, the amount of $500.00 will continue to be withheld pending resolution of matters prerequisite to closing the account.

Note As indicated by the examining engineer, the actual (invoice) cost of drilling differs slightly with the costs reported by the Operator on Form MF-104. The invoice cost was used by this office in determining the allowable cost, which differs from the engineer's recommendation by the amount of $8.00.

224 New Customhouse
Denver 2, Colorado
April 16, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4721 (Uranium) Contract Idm-E1207, La Salle Mining Company, (Fair Day et al. claims) Boulder County, Colorado - Operator's Monthly Progress Report for September-October-November, 1958

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Bids were not submitted for bulldozer work; however, the bulldozing rates are in line with the standard rates prevailing in the project locality for the size and make of bulldozer used on the project. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

Except as otherwise indicated below, we 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. Payment is recommended on the following basis contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

The Operator has exceeded the maximum allowable depths of four of the six holes drilled during the reporting period, as indicated below:

Hole No.	Max. Allow. Depth	Depth Drilled	Excess
2 (Underground)	250 Ft.	317 Ft.	67 Ft.
3 (Underground)	300 "	362 "	62 "
4 (Surface)	250 "	287 "	37 "
5 (Surface)	250 "	250 "	0 "
6 (Surface)	250 "	244 "	0 "
7 (Surface)	300 "	351 "	51 "

4/23/59 - MF-104's + other data filed in brown envelope.

The reported cost incident to 129 feet of excess underground drilling, and 88 feet of surface drilling is to be disallowed, as follows:

Disallowance, Underground Drilling

Reported cost, 679 feet at total cost of		$3,760.30	
Acceptable (invoice) cost for 550 feet:			
EX, 0-250 ft. interval, 396 ft. at $5.60	$2,217.60		
EX, 0-250 ft. interval, 104 ft. at $5.10	530.40		
EX, 250-500 ft. interval, 50 ft. at $5.70	285.00		
Acceptable cost, holes 2 and 3		$3,033.00	
Amount to be disallowed			$ 727.30

Disallowance, Surface Drilling

Reported cost, 1,129 feet at total cost of		$7,859.10	
Acceptable (invoice) cost:			
EX, 0-250 ft. interval, 994 ft. at $6.90/ft.	$6,858.60		
EX, 250-500 ft. interval, 50 ft. at $7.25/ft.	362.50		
Acceptable cost, holes 4 and 7		$7,221.10	
Amount to be disallowed			$ 638.00

Disallowance, Incidental Allowance

Disallow:

Incidental Allowance, Underground Drilling, 129 ft. at $1.70/ft.	$ 219.30	
Incidental Allowance, Surface Drilling, 88 ft. at $0.55/ft.	48.40	
Amount to be disallowed		$ 267.70

Disallowance, Core Boxes

The examining engineer has determined that a total of 11 core boxes were used in conjunction with excess drilling. The cost of excess core boxes is to be disallowed, as follows:

Disallow:
Reported cost for 8 core boxes at $4.50 ea.-- $ 36.00
Reported cost for 3 core boxes at $4.00 ea.-- 12.00
Amount to be disallowed---------- $ 48.00

Disallowance, Drill Hole Survey

Hole No. 3 was surveyed for deviations in direction and dip. The contract does not provide for this work; therefore, the reported cost of drill hole surveying is to be disallowed, as follows:

Disallow, reported cost for drill hole survey, 10 hours at $10.00 per hour---------- $ 100.00

Total amount to be disallowed---------- $1,781.00

Withhold an amount of $500.00 from reimbursement to the Operator pending resumption of work under the contract. If additional work is not approved by the Government, and performed by the Operator, continue to withhold the amount of $500.00, pending resolution of matters prerequisite to closing the account.

Reconciliation With Amount Reported by the Operator on Form NF-104 for the period, September-October-November, 1958

Amount reported on Form NF-104 for September-October-November, 1958----------	$17,846.80
Amount to be disallowed----------	1,781.00
Acceptable cost for September-October-November, 1958---------	$16,065.80
Government participation at 75 percent----------	$12,049.35
Amount to be withheld----------	500.00
Balance due the Operator----------	$11,549.35

Note: As indicated by the examining engineer, the actual (invoice) cost of drilling differs slightly with the costs reported by the Operator on Form NF-104. The invoice cost was used by this office in determining the allowable cost, which differs from the engineer's recommendation by the amount of $8.00.

Remarks:
Date of Report----------April 1, 1959
Date Received in Field Office----------April 6, 1959
Date Received in Region Office----------April 14, 1959

Enclosures
JEC:bmk
cc: Chem. Op. Comm. (2)
Balmer, GEN/BFC
NF-104 file, Reg. III
Harshman) w/copy Engr's
Cooper) Report
Curen

Original signed by
J. W. TOWNSEND

J. W. Townsend

OME
DEPARTMENT OF THE INTERIOR
APR 14 1959
REGION III
DENVER, COLORADO

April 14, 1959

Memorandum

To: Executive Officer, OME Field Team, Region III

From: Carl Belser

Subject: Docket No. DMEA 4721 (Uranium) Contract No. Idm-E1207, La Salle Mining Company (Fair Day et al claims) Boulder County, Colorado -- Progress report for September, October, and November 1958

Operations under the subject contract were inspected on October 7, November 4, and December 9, 1958. On December 9, 1958 all DMEA work specified, had been completed.

Stage I - Work Completed

Hole 2 was an underground hole drilled to a depth of 317 feet. On page 4 of Exhibit A only 250 feet is allowed. Sixty seven feet of Hole 2 is disallowed.

Hole 3 was an underground hole drilled to a depth of 362 feet. On page 4, Exhibit A, this hole is limited to 300 feet. Therefore, 62 feet is disallowed. A total of 122 feet of underground drilling is disallowed.

Holes 4, 5, and 6 are surface holes. By page 3, Exhibit A, these holes are limited to a maximum depth of 250 feet.

Hole 4 is 287 feet deep of which 37 feet is disallowed.
Hole 5 was drilled to a depth of 250 feet.
Hole 6 was drilled to a depth of 244 feet.
Thirty seven feet of surface drilling is disallowed.

Crosscut V-X claimed to be 100 feet long measured 106.3 feet from V. The start was 3 feet from V or the crosscut was actually 103.3 feet long.

Stage II

Hole 7 was a surface hole drilled after the surface of the geophysical anomaly had been bulldozed off. The hole was drilled to a depth of 351 feet. On page 4, Exhibit A, the maximum length is 300 feet. Not allowed - 51 feet.

Stage I - Category (7) provides for 55 core boxes. However 83 were used but the sum stipulated by Category (7) is not exceeded.

Allowable contract work follows:

Stage I		
Drifting and crosscutting 100 feet at $33.00/ft.	$3,300.00	
Underground		
Hole 2 130 ft. at $5.60/ft. 120 feet at $5.10/ft.	1,340.00	
Hole 3 250 ft. at $5.60/ft. 50 feet at $5.70/ft.	1,685.00	
6 hrs. standby at $11/hr.	66.00	
Incidental allowance 550 ft. at $1.70/ft.	935.00	
Surface		
Hole 4 250 feet at $6.90/ft.	1,725.00	
Hole 5 250 feet at $6.90/ft.	1,725.00	
Hole 6 244 feet at $6.90/ft.	1,683.60	
7 hours standby at $11/hr.	77.00	
Incidental allowance 744 feet at $0.55/ft.	409.20	
8 core boxes at $4.00 each	32.00	
66 core boxes at $4.50 each	297.00	
3 chemical assays at $5.00 each	15.00	
	$13,289.80	

For Holes 2 and 3, the 104's give (0'-250') BX 380 ft. BX 120 ft.
Driller invoices give BX 396 ft. BX 104 ft.

Stage II		
250 ft. surface core drilling at $6.90/ft.	1,725.00	
50 feet surface core drilling at $7.25/ft.	362.50	
2 hrs. standby time at $11/hr.	22.00	
34 hrs. bulldozing at $12/hr.	408.00	
300 ft. incidental allowance at $0.55/hr.	165.00	
19 core boxes at $4.50/each	85.50	
Total allowable Stage II costs		$2,768.00
Total allowable Stage I costs		$13,289.80
Total allowable costs for period		$16,057.80

Not allowable Stage I costs:	
Hole 2 67 ft. core drilling at $5.70/ft.	381.90
3 core boxes at $4.00 each	12.00
67 ft. incidental expenses at $1.70/ft.	113.90
Hole 3 62 ft. core drilling at $5.70/ft.	353.40
62 feet incidental expenses at $1.70/ft.	105.40
3 core boxes at $4.50/each	13.50
Hole 4 37 feet core drilling at $7.25/ft.	268.25
37 feet incidental expenses at $0.55/ft.	20.35
2 core boxes at $4.50/each	9.00
10 hours surveyors standby time at $10.00/hr.	100.00
Not allowable Stage I Total	$1,377.70

Not allowable Stage II costs:	
51 ft. of core drilling at $7.25/ft.	$369.75
3 core boxes at $4.50/ea.	13.50
51 ft. incidental allowance at $0.55/ft.	28.05
Total Stage II not allowable costs:	$411.30
Total Stage I unallowable costs	1,377.70
Total not allowable costs	$1,789.00
Allowable costs	$16,057.00
Total claimed by 104's	$17,846.00

Recapitulation of Allowable Costs	
Drifting and crosscutting 100 feet at $33.00/ft.	$3,300.00
120 ft. underground core drilling at $5.10/ft.	612.00
380 ft. underground core drilling at $5.60/ft.	2,128.00
50 ft. underground core drilling at $5.70/ft.	285.00
994 ft. surface core drilling at $6.90/ft.	6,858.60
50 ft. surface core drilling at $7.25/ft.	362.50
15 hours standby time at $11.00/hr.	165.00
34 hours bulldozing at $12.00/hr.	408.00
8 core boxes at $4.00/each	32.00
85 core boxes at $4.50/each	382.50
550 feet incidental allowance at $1.70/ft.	935.00
1044 ft. incidental allowance at $0.55/ft.	574.20
3 chemical assays at $5.00 each	15.00
	$16,057.80

Payment of 75 percent of the above amount or $12,043.35 is recommended.

Carl Belser

Carl Belser
Mining Engineer

CB/mr
cc: 6
Idm-81207
chron

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1/12	C	220
1/	[illegible]	110
1/13	[illegible]	900

224 New Customhouse
Denver 2, Colorado
January 6, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. RMRA 4721 (Uranium) Contract Ion-E1207, LaSal Mining Company, (Fair Day et al. claims) Boulder County, Colorado, - Operator's Monthly Progress Report for the month of August, 1958

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, and partly at fixed unit costs. The drilling rates are as low or lower than the rates contained in the lowest and best bid submitted with the application. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable.

We 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. Payment is recommended for 75 percent of the amount reported on Form MF-104 for August, 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of computations.

Remarks:

Date of Report----------September 29, 1958
Date Received in Field Office----------December 23, 1958
Date Received in Region Office----------December 30, 1958

Original signed by
J. W. TOWNSEND

J. W. Townsend

JRC:bsh

cc: Chem. Op. Comm. (2)
Belser, OME/RFC
MF-104 file, Reg. III
Harshman, w/copy of Engr's Report
Chron

OME, Reg. III
JAN 4 - 1959
2

Dec. 31, 1958

Memorandum

To: Executive Officer, OME

From: Carl Belser

Subject: Docket No. DMEA 4721 (Uranium) Contract Idm-E1207,
La Sal Mining Company (Fair Day et al claims)
Boulder County, Colorado -- Progress report for August 1958

Operations under the subject contract were inspected September 4, 1958 in company with W. J. Chandler, supervisor for the operator. No surface work was done during the month. W-R crosscut was driven 70 feet and V-Z crosscut 118 feet. At R a drill station excavation amounted to 520 cubic feet.

DDH-1 at S had been terminated at 150 feet with no ore cut. Nine core boxes were used. DDH-3 at R was down 156 feet. Two feet of ore were cut between 114 and 116 feet. All drilling was NX size and drilled according to the contract.

Contract work approved for August follows:

Stage I	
Hole No. 1 - 150 feet ~~BX~~ NX at $5.60/ft.	$840.00
150 feet incidental allowance at $1.70/ft.	255.00
9 core boxes at $4.00 each	36.00
420 cubic feet, Hole #3 station, at $0.95/cu. ft.	399.00
V-Z drift 101 feet drifting at $33.00/ft.	3,333.00
W-R X-cut 20 feet at $33.00/ft.	660.00
	$5,523.00

Payment of 75 percent of the above amount or $4,142.25 is recommended.

Carl Belser

Carl Belser
Mining Engineer

CB/mr
cc: 6
Idm-E1207
Iron

Form M[illegible]-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of September, October, November 1958 Docket No. DMEA 4721 Contract No. Idm-E1207

Operator's Name La Salle Mining Company Minerals Uranium

Address P. O. Box 217 - Grand Junction, Colorado

Contract Amount, $ 54,234.00 Government Participation: 75 % Amount, $ 40,675.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts: Short Form						
Stage I Geophysical Survey	$ 0.00	$ 1800.00	$ 1800.00			
~~Drilling~~ Underground Drill Sta. "5"	0.00	199.50	199.50			
~~Building~~ Underground Drill Sta. "R"	0.00	399.00	399.00			
~~Crosscutting~~ Drifting and Crosscutting	3300.00	6204.00	9504.00			
~~Drifting~~ Underground Drilling	3760.30	840.00	4600.30			
Surface Drilling	5401.85	0.00	5401.85			
(2) ~~Labor and Supervision:~~ Stand by Time	243.00	0.00	243.00			
~~Labor~~ Underg. Incidental Allow.	1154.30	255.00	1409.30			
~~Supervision~~ Surface Incidental Allow.	429.55	0.00	429.55			
~~Technical Services~~						
~~(3) Operating Mat'ls. and Supplies:~~						
~~Timber~~						
~~Explosives~~						
~~Pipe~~						
~~Track~~						
Stage II Surface Drilling	2457.25	0.00	2457.25			
Stand by Time	22.00	0.00	22.00			
~~(4) Operating Equipment:~~ Surface Incidental Allow.	193.05	0.00	193.05			
~~Rental~~						
~~Purchase~~ Bulldozing	408.00	0.00	408.00			
~~Depreciation~~						
~~(5) Initial Rehabilitation and Repairs~~						
~~(6) New Bldgs., Improvements, etc.~~						
(7) Miscellaneous: Stage I Core Boxes	363.50	36.00	399.50			
~~Repairs to Equipment~~ Chemical Sample Analysis	15.00	0.00	15.00			
~~Sampling and Analysis~~						
~~Payroll Taxes~~						
~~Liability Insurance~~						
Stage II Core Boxes	99.00	0.00	99.00			
~~(8) Contingencies (specify):~~						
TOTALS	17,846.80	9733.50	27,580.30	16665.80	9733.50	25,799.30

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

Date April 1, 1959 Payee La Salle Mining Company

Per W J Chandler Title Project Supervisor

*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.

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

(Instructions on reverse)

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

$ 11549.35

Signature [illegible] (Authorized Certifying Officer)

Date 4/17/59 Vou. No. DMEA 59-104

(See other side)

OME
DEPARTMENT OF THE INTERIOR
APR 3 - 1959
REGION III
DENVER, COLORADO

2 trans mitted with Journal vouchers memo 4/16/59 to Lee, Christensen

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. Fda-E12-07 in accordance with the terms of the contract.

Signature Carl Belau (12,043.35) Title Mining Engineer Date 4/10/59

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE: Checked for Engineering Allowability

Signature [illegible] Title Executive Officer Date APR 16 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of [redacted] 195[redacted] Docket No. DMEA [redacted] Contract No. [redacted]

Operator's Name [redacted] Minerals [redacted]

Address [redacted]

OPERATION	UNIT	COSTS THIS MONTH	Stage I UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting & Crosscutting	ft.	$3,300.00	100	$9504.00	288	$33.00	290	$33.00
Geophysical Survey	Sta.	0.00	0	1800.00	900	2.00	900	2.00
~~Drifting~~ U. Drill Sta. "S"	Co. ft.	0.00	0	199.50	210	0.95	210	0.95
U. Drill Sta. "R"	Co. ft.	0.00	0	398.00	420	0.95	420	0.95
~~Crosscutting~~ U. Drill NX 0-250	ft.	2128.00	390	2968.00	530	5.60	650	5.60
U. Drill BX 0-250'	ft.	612.00	120	612.00	120	5.10		
~~Raising~~ U. Drill BX 250'-500'	ft.	1020.30	179	1020.30	179	5.70	179	5.70
S. Drill NX 0-250'	ft.	5133.60	744	5133.60	744	6.90	750	6.90
~~Shafts~~ S. Drill BX 250'-500'	ft.	268.25	37	268.25	37	7.25	37	7.25
~~Winzes~~ Survey Stand by Time	hr.	100.00	10	100.00	10	10.00	29.027	11.00
Stand by Time	hr.	143.00	13	143.00	13	11.00		
~~Drilling: Core~~ Core Boxes	Box	44.00	11	80.00	20	4.00	20	4.00
~~Churn~~ Core Boxes	Box	319.50	71	319.50	71	4.50	71	4.50
Chem. Sample Analysis	Sample	45.00	3	15.00	3	5.00	30.1	5.00
~~Auger~~ U. Inc. Allow.	ft.	1154.30	679	1509.30	829	1.70	829	1.70
S. Inc. Allow.	ft.	429.55	781	429.55	781	0.55	781	0.55
~~Stripping~~		1725.00	Stage II	1725.00	250	6.90	2,500	6.90
~~Trenching~~ S. Drill NX 0-250	ft.	732.25	230	732.25	101	7.25	500	7.25
S. Drill BX 250'-500'	ft.	22.00	101	22.00	2	11.00	50	11.00
~~Test Pits~~ Stand by Time	hr.	99.00	2	99.00	22	4.50	11.0	5.00
Core Boxes	Box	193.05	22	193.05	351	0.55	3,000	0.55
~~Roads and Trails~~ S. Inc. Allow.	ft.	408.00	351	408.00	34	12.00	125	12.00
Bulldozing	hr.		34					
TOTAL DISTRIBUTED COSTS		17846.80		27,580.30				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		17846.80		27,580.30				$54,234.00

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 [redacted] Operator [redacted]

Per [redacted] Title [redacted]

REMARKS: [redacted]

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

(Instructions on reverse)

(For Government use only)

Earl Belm

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

NARRATIVE REPORT

Docket No. DMSA 4721 (Uranium)
Contract No. Iam-X1297
La Salle Mining Company
Fair Day et. al. Claims
Boulder County, Colorado

Period of Report: September, October, November, 1958

No work was completed during the month of September.

The following work was completed during the months of October and November, 1958, as outlined in Exhibit "A" under Stage "I" of the Exploration Project Contract.

1. The underground diamond drill hole DDH-3.
2. The underground diamond drill hole DDH-4.
3. One hundred feet of crosscutting.
4. The surface diamond drill hole DDH-4.
5. The surface diamond drill hole DDH-5.
6. The surface diamond drill hole DDH-6.

The following work was completed during the months of October and November, 1958, as outlined in Exhibit "A" under Stage "II" of the Exploration Project Contract.

1. 34 hours of bulldozing.
2. The surface diamond drill hole DDH-7.

Included with the report is a base map (Figure 4) showing aspects of the underground program, a base map (Figure 7) showing aspects of the surface Baltimore Bells area, a base map (Figure 6) showing aspects of the surface Jackson area, the radiometric probe and geologic logs (table Nos. 2 - 7) and the drill hole cross sections (Cross Section Nos. 2 - 7).

The diamond drill hole DDH-3 was completed to a depth of 362 feet by October 1, 1958. The hole is described in Table No. 2, Cross Section No. 2 and Figure 4. The hole was surveyed with a Tro-pari hole survey instrument and found at 20 feet to bear N 31° W and dip -50°; at 150 feet the dip was -47°; at 250 feet the bearing was N 20° W and the dip was -45°; at 350 feet the bearing was N 17° W and the dip was -44°. Around 116 feet the hole cut out in or near the North-South fault that passes through point "V" (now called the "B" fault). This zone is described in Table No. 2. The main target (101-1 stope vein) was supposedly cut in a granite zone and was not favorably mineralized.

The diamond drill hole DDH-2 was completed to a depth of 317 feet by October 23, 1958. The hole is described in Table No. 5, cross section No. 5 and Figure 4.

The crosscut from point "V" towards point "X" was completed by November 30, 1958. The crosscut was at least 100 feet long. See Figure 4 for a description.

The diamond drill hole DDH-4 was completed to a depth of 287 feet by October 8, 1958. The hole is described in Table No. 3, Cross Section No. 3 and Figure 7.

The diamond drill hole DDH-5 was completed to a depth of 230 feet by October 18, 1958. The hole is described in Table No. 4, Cross Section No. 4 and Figure 7.

The diamond drill hole DDH-6 was completed to a depth of 244 feet by October 30, 1958. The hole is described in Table No. 6, Cross Section No. 6 and Figure 7.

The bulldozing was in the form of surface stripping on the Samson claim to expose the surface outcrop in the area of the geophysical anomaly around station R-9. The work required 34 hours and was completed by October 24, 1958. No significant radioactivity was found. See Figure 6.

The diamond drill hole DDH-7 was completed to a depth of 351 feet by November 9, 1958. The hole is described in Table No. 7, Cross Section No. 7 and Figure 6.

Respectfully submitted,

W. J. Chandler

W. J. Chandler
Project Supervisor
La Salle Mining Company

TABLE NO. 5

DDH-2

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B
Cal. to read 30 on 4th scale in a
standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	3	4
10	3	4
15	3	4
20	3	4
25	2	4
30	3	4
35	3	4
40	4	4
45	3	4
50	3	4
55	3	4
60	3	4
65	3	4
70	4	4
75	4	4
80	3	4
85	3	4
90	3	4
95	3	4

GEOLOGIC

T.D. = 317'

Total Core Recovery = 82%

0' - 4'	Gneiss (biotite quartz)
4' - 9'	Albite porphyry
9' - 27'	Gneiss (biotite quartz) numerous fractures with some calcite and pyrite, slightly argillized. Shearing at 18' and 27' - 28'.
27' - 31'	Granite, shows flow structure.
31' - 54'	Gneiss (biotite quartz), some fractures, coated with calcite and pyrite. Sheared 45' - 50'.
54' - 57'	Granite, slightly argillized.
57' - 62'	Gneiss (biotite quartz), some fractures with pyrite and hematite. Small shear at 59'.
62' - 127'	Granite, with numerous fractures coated with calcite, pyrite and hematite. Slightly argillized 62' - 73', highly argillized 73' - 127'. Sheared at 69', 74' - 77'. Faulted at 80' - 86', 94' - 96', 107' - 111', 122' - 127'. No significant radioactivity in core.

TABLE NO. 5

DDH-2

Hole Depth	Reading	Scale
100	3	4
105	3	4
110	4	4
115	3	4
116	3	4
117	15	4
118	20	4
119	20	4
120	20	4
121	21	4
122	20	4
123	18	4
124	20	4
125	38	4
126	13	4
130	4	4
135	3	4
140	4	4
145	4	4
150	4	4
155	4	4
160	4	4
165	4	4
169	4	4
170	22	4

127' - 142' Gneiss (biotite quartz) with disseminated pyrite all highly altered and argillized. Granite streak 136' - 140'. Faulted zone 127' - 138'.

142' - 317' Granite, numerous fractures filled with vein quartz, calcite and pyrite. Highly argillized and altered 142' - 226', 239' - 245', 257' - 304'. Slightly argillized to argillized 226' - 239', 245' - 257', 304' - 317'. Major sheared zone 200' - 210' and 216' - 218'. Sheared zone 162', 189' - 191', 239', 243', 267', 274' - 276', 282, 288' - 291', 307', 312', 315'. No significant radioactivity in core.

TABLE NO. 5

DDH-2

Hole Depth	Reading	Scale
171	24	4
172	26	4
173	24	4
174	32	4
175	20	4
176	22	4
177	48	4
178	30	4
179	88	4
180	95	4
181	45	4
182	22	4
183	45	4
184	85	4
185	62	4
186	10	4
190	3	4
195	3	4
200	3	4
205	3	4
210	4	4
215	3	4
218	3	4
219	12	4

TABLE NO. 5

DDH-2

Hole Depth	Reading	Scale
220	15	4
221	28	4
222	70	4
223	75	4
224	10	4
225	3	4
230	3	4
235	4	4
240	4	4
245	4	4
250	4	4
255	5	4
260	4	4
265	4	4
270	5	4
272	4	4
273	12	4
275	4	4
280	4	4
285	5	4
290	5	4
295	5	4
300	5	4
305	5	4

TABLE NO. 5

DDH-2

Hole Depth	Reading	Scale
310	4	4
312	5	4

Probe T.D. = 312'

Hole T.D. = 317'

TABLE NO. 2

DDH-3

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B Cal. to read 30 on 4th scale in a standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	4	4
10	3	4
15	3	4
20	4	4
25	4	4
30	3	4
35	3	4
40	3	4
45	3	4
46	18	4
47	60	4
48	25	4
49	30	4
50	20	4
51	18	4
52	14	4
53	12	4
55	3	4

GEOLOGIC

T.D. - 362'

Total Core Recovery = 81%

0' - 2' Granite

2' - 3' Gneiss (biotite quartz), slightly chloritized.

3' - 54' Granite, numerous fractures and joints coated with calcite. Slightly altered and argillized. Shear zone 6' - 11', 16', 22', 35', 54'.

46' - 53' No significant radioactivity in core.

TABLE NO. 2

DDH-3

Hole Depth	Reading	Scale
60	4	4
65	3	4
70	3	4
75	3	4
80	4	4
84	3	4
85	32	4
90	4	4
94	4	4
95	20	4
96	72	4
97	90	4
98	80	4
99	92	4
100	40	4
101	10	4
102	22	4
103	45	4
104	40	4
105	15	4
106	25	4
107	20	4
108	28	4
109	30	4

54' - 68' Gneiss (biotite quartz) with some epidote and garnet, fractures filled with calcite and some pyrite. Slight shear at 56'.

68' - 74' Granite, slightly argillized.

74' - 134' Gneiss (biotite quartz) with some epidote and garnet, numerous pegmatite streaks, numerous fractures filled with calcite and pyrite. Sheared at 85' - 86'. Faulted at 99' - 100', 115' - 123', 129' - 130'.

Radioactivity in core indicates zone from 114.7' to 121' (core recovery = 57%) will average .70% U_3O_8. A split of the core from the zone 114.7' to 121' (core recovered = 3.6') assayed chemically:
114.7 - 115.2 (R = 90%) = 0.021% U_3O_8
115.2 - 116.3 (R = 90%) = 3.177% U_3O_8
116.3 - 121.0 (R = 22%) = 0.042% U_3O_8
by Certificate dated December 6, 1958 from Charles O. Parker & Company.
The probe log indicates a vein thickness of 9' of 0.95% U_3O_8 if the highest core assay equal the highest reading on the probe log.

TABLE NO. 2

DDH-3

Hole Depth	Reading	Scale
110	80	4
111	82	3
112	86	3
113	22	3
114	80	2
115	58	1
116	60	2
117	35	3
118	40	3
119	42	3
120	90	3
121	82	3
122	95	3
123	40	3
124	40	4
125	12	4
126	25	4
130	4	4
135	4	4
140	4	4
145	4	4
150	4	4
153	4	4
154	40	4

134' - 362' Granite, numerous fractures and joints coated with calcite and some pyrite, some pegmatite streaks 134' - 196', 346' - 352', all altered and argillized. Shear zones at 136', 142', 151', 158' - 160', 167', 215', 223', 238', 295', 314', 319', 329', 333'. Faulted zones at 174' - 176', 196' - 201', 231' - 233', 252', 270'.

TABLE NO. 2

DDH-3

Hole Depth	Reading	Scale
155	4	4
156	4	4
157	30	4
158	62	4
159	45	4
160	40	4
161	40	4
162	53	4
163	30	4
164	30	4
165	5	4
170	5	4
171	5	4
172	40	4
173	5	4
174	5	4
175	60	4
176	42	4
177	6	4
178	41	4
180	6	4
185	6	4
190	6	4
195	6	4

No significant radio-activity in core.

TABLE NO. 2

DDH-3

Hole Depth	Reading	Scale
200	6	4
205	6	4
210	6	4
214	6	4
215	30	4
216	32	4
220	6	4
225	6	4
230	6	4
235	7	4
240	6	4
245	6	4
250	6	4
255	6	4
260	6	4
265	5	4
270	6	4
275	6	4
280	6	4
285	6	4
290	6	4
295	6	4
300	6	4
305	6	4

TABLE NO. 2

DDH-3

Hole Depth	Reading	Scale
310	6	4
315	6	4
320	7	4
325	6	4
330	6	4
335	7	4
340	6	4
345	7	4
350	7	4
355	6	4
360	6	4

Probe T.D. = 360'

Hole T.D. = 362'

TABLE NO. 3

DDH-4

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B Cal. to read 30 on 4th scale in a standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	2	4
10	2	4
15	2	4
20	2	4
25	2	4
30	2	4
35	2	4
40	2	4
45	3	4
50	2	4
55	2	4
58	2	4
59	6	4
60	3	4
65	3	4
70	4	4
75	3	4
80	3	4
85	3	4

GEOLOGIC

T.D. = 287'

Total Core Recovery = 85%

0' - 21'	Surface dump material.
21' - 45'	Granite, coarse grained, altered and argillized, sheared at 23' - 25', 32', 57' - 58', 40' - 42'.
45' - 47'	Gneiss (biotite quartz) fractured with numerous pegmatite and granite streaks, altered and argillized, sheared at 46' - 47'.
47' - 55'	Granite, coarse grained, altered and argillized, sheared at 47' - 50', 53' - 54'.
55' - 140'	Gneiss (biotite quartz) numerous fractures filled with calcite, clorite and some opaline, highly altered and argillized with limonite staining. Sheared at 60' - 65', 72', 98' - 100', 104' - 108', 116' - 117', 130' - 132', 138' - 139', sheared at 87' - 88', 94' - 95' in a zone of pegmatite and granite streaks.

TABLE NO. 3

DDH-4

Hole Depth	Reading	Scale
90	3	4
95	3	4
100	3	4
105	4	4
110	4	4
115	4	4
120	4	4
125	4	4
130	4	4
135	4	4
140	4	4
145	4	4
150	4	4
155	4	4
160	4	4
165	3	4
170	3	4
175	4	4
180	4	4
185	4	4
190	4	4
195	4	4
200	4	4
205	4	4

140' - 151' Granite, coarse grained, argillized and fractured, sheared at 141' - 143'.

151' - 287' Gneiss (biotite quartz) feldspar) contains some garnet 151' - 170', more hornblende 183' - 190', many pegmatite streaks throughout and a zone of granite at 203' - 210', numerous fractures and joints throughout coated with calcite, clorite, silica and some opaline, little pyrite 184' - 190', altered argillized with limonite staining throughout, sheared at 154' - 155', 181' - 182', 196', 233' - 234', 240', 243', 245' - 248', strongly sheared, brecciated and guogy 251' - 252', 257' - 270', sheared at 283' - 284'.

TABLE NO. 3

DDH-4

Hole Depth	Reading	Scale
210	4	4
215	4	4
220	4	4
225	4	4
230	4	4
235	4	4
240	4	4
245	4	4
250	4	4
251	4	4
252	15	4
253	20	
254	24	
255	25	
256	25	
257	30	
258	38	
259	42	
260	24	
261	18	
262	12	
265	5	
270	4	
275	4	

No significant radioactivity in core.

TABLE NO. 3

DDH-4

Hole Depth	Reading	Scale
280	4	
283	3	

Probe T.D. = 283'

Hole T.D. = 287'

TABLE NO. 4

DDH-5

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B
Cal. to read 30 on 4th scale in a
standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	3	4
10	3	4
15	3	4
20	3	4
25	3	4
30	4	4
35	3	4
40	3	4
45	4	4
50	4	4
55	3	4
60	3	4
65	3	4
70	3	4
75	3	4
80	3	4
81	6	4
82	7	4
83	7	4

GEOLOGIC

T.D. = 250'

Total Core Recovery = 81%

0 - 15'	Surface dump material.
15' - 56'	Granite, coarse grained, slightly argillized and altered, numerous fractures coated with calcite, silica and stained with limonite, sheared at 18', 23', 26'.
56' - 61'	Gneiss (biotite quartz feldspar) altered and argillized.
61' - 77'	Granite, coarse grained, argillized and fractured, stained with limonite, sheared at 72' - 77'.

TABLE NO. 4

DDH-5

Hole Depth	Reading	Scale
84	8	4
85	7	4
86	7	4
87	7	4
88	7	4
89	8	4
90	7	4
91	6	4
92	6	4
93	6	4
94	7	4
95	7	4
96	7	4
97	8	4
98	8	4
99	7	4
100	7	4
101	7	4
102	7	4
105	3	4
110	4	4
115	4	4
120	3	4
125	3	4
130	4	4

77' - 250' Gneiss (biotite quartz feldspar) contains some garnet 204' - 206', many pegmatite streaks throughout and a zone of granite at 213' - 217' and a pegmatite dike at 237' - 245', numerous fractures and joints throughout coated with calcite, clorite, silica and some opaline and stained with limonite sheared at 95', 100' - 106', 129' - 133', 157', 163', 177'-178', 246' - 247', argillized and altered throughout.

TABLE NO. 4

DDH-5

Hole Depth	Reading	Scale
135	4	4
140	4	4
145	4	4
150	3	4
155	3	4
160	4	4
165	4	4
170	5	4
175	4	4
180	4	4
185	4	4
190	5	4
195	5	4
200	4	4
205	4	4
210	4	4
215	4	4
220	4	4
225	4	4
230	4	4
235	4	4
240	4	4
245	4	4
250	4	4

Probe T.D. = 250'
Hole T.D. = 250'

TABLE NO. 6

DDH-6

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B Cal. to read 30 on 4th scale in a standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	3	4
10	3	4
15	3	4
20	3	4
25	3	4
30	4	4
35	3	4
40	3	4
45	3	4
50	3	4
55	3	4
60	4	4
65	4	4
70	3	4
75	3	4
80	3	4
85	3	4
90	3	4
95	3	4

GEOLOGIC

T.D. = 244'

Total Core Recovery = 80%

0' - 16'	Surface dump material.
16' - 123'	Granite, coarse grained, with a streak of gneiss from 104' - 119', all highly altered, argillized and fractured with fillings of calcite and silica and stained with limonite. Sheared at 18', 42' - 43', 53' - 54', 60', 73' - 77', 103' - 104', 121' - 122'.

TABLE NO. 6

DDH-6

Hole Depth	Reading	Scale
100	3	4
105	3	4
110	3	4
115	4	4
120	4	4
125	3	4
130	3	4
135	4	4
140	4	4
145	4	4
150	3	4
155	4	4
160	4	4
165	4	4
170	3	4
175	3	4
180	3	4
185	3	4
190	3	4
195	4	4
200	4	4
205	4	4
210	4	4
215	4	4

123' - 244' Gneiss (biotite quartz feldspar) with many pegmatite streaks throughout, cut by pegmatite dikes at 219' - 232' and at 240' - 244', numerous fractures and joints stained with limonite and coated with calcite, silica and clorite, argillized and altered 123' - 173', near fresh 173' - 219', argillized, chloritized and altered 219' - 235'. Sheared at 127' - 128', 136' - 139', 158', brecciated at 160' - 161', sheared at 167' - 168', 228' - 232'.

TABLE NO. 6

DDH-6

Hole Depth	Reading	Scale
220	4	4
225	4	4
230	4	4
235	4	4
240	4	4
244	4	4

No significant radioactivity in core.

Probe T.D. = 244'

Hole T.D. = 244'

TABLE NO. 7

DDH-7

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B Cal. to read 30 on 4th scale in a standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	2	4
10	2	4
15	2	4
20	2	4
25	2	4
30	2	4
35	2	4
40	2	4
45	2	4
50	2	4
55	2	4
60	2	4
65	2	4
70	2	4
75	2	4
80	2	4
85	2	4
90	2	4
95	3	4

GEOLOGIC

T.D. = 351'

Total Core Recovery = 90%

0' - 21' Surface material

21' - 330' Gneiss (biotite quartz) contains same garnet 181' - 330', numerous pegmatite streaks throughout, granite streaks from 141' - 161', granite dike from 173' - 181', numerous fractures and joints throughout filled with calcite, pyrite, opaline, hemitite and silica, heavy hemitite-pyrite 50' - 86', 105' - 114', little pyrite-hemitite grading to heavy 168' - 330'. Very heavy pyrite 204' - 209', 302' - 322' with 6" vein of opaline at 318'. Very argillized and altered 21' - 86' then slightly to 105' then argillized and altered to 141' then very to 161' then slightly to 173' then argillized and altered to 204' then slightly to 330'. Sheared at 26' - 29', 35' - 38', 59' - 86', 106' - 114', major gauge shear 141' - 161', major breccid shear rehealed with silica and pyrite 194' - 209', sheared 284' - 287', 313' - 326'.

TABLE NO. 7

DDH-7

Hole Depth	Reading	Scale
100	2	4
105	2	4
110	3	4
115	3	4
120	2	4
125	2	4
130	2	4
135	2	4
140	2	4
145	2	4
150	2	4
155	2	4
160	2	4
165	2	4
170	2	4
175	3	4
180	3	4
185	3	4
190	2	4
193	3	4
194	6	4
195	3	4
200	3	4

No significant radioactivity in core

TABLE NO. 7

DDH-7

Hole Depth	Reading	Scale
205	3	4
210	3	4
215	3	4
220	2	4
225	3	4
230	3	4
235	3	4
240	3	4
245	3	4
250	3	4
255	3	4
260	4	4
265	3	4
270	3	4
275	4	4
280	4	4
285	3	4
290	3	4
295	3	4
300	3	4
305	4	4

TABLE NO. 7

DDH-7

Hole Depth	Reading	Scale
310	4	4
315	3	4
320	4	4
325	3	4
330	3	4
331	3	4

330' - 351'	Granite, medium coarse grained, slightly argillized, numerous fractures.

Probe T.D. = 331'

Hole T.D. = 351'

EXPLANATION
of
MAP SYMBOLS

SURVEY:

1 8462 Traverse station with number and elevation

Side shot

4 Claim marker and corner number

DISC Discovery marker

SURFACE:

Prospect pit

Road

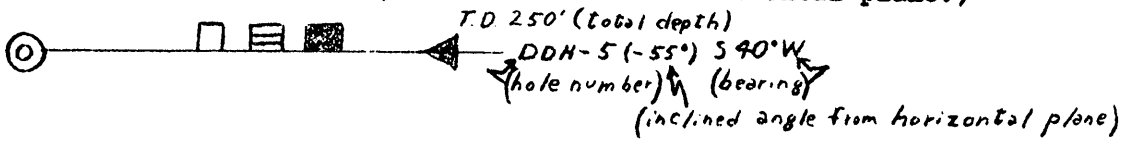
Stripping and trenching

Stream (Blue)

Intermittent stream (Blue)

EXPLANATION
of
MAP SYMBOLS

DRILLING (inclined hole symbols sealed from horizontal plane:)



Drill set up and collar

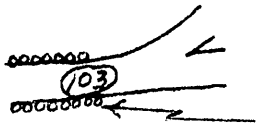
Bottom of hole

Mineralized zone (weak kick or probe)

Mineralized zone (below 0.15% U_3O_8 on probe)

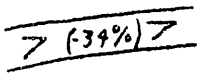
Mineralized zone (above 0.15% U_3O_8 on probe)

MINE:



Drift, tunnel or crosscut and number

Cribbing or timber



Inclined shaft and % grade

Shaft (and top of inclined shaft)

Bottom of inclined shaft

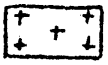
Raise

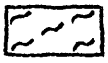
Winze

EXPLANATION
of
MAP SYMBOLS

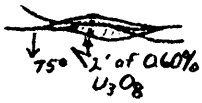
GEOLOGY:

Rock Type:

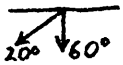

Granite


Gneiss

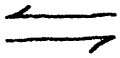
Vein, Fault, Foliation, Joint:

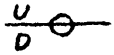


Strike, dip and description of Uranium Vein (Red)

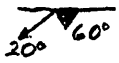


Strike and dip of fault plane and plunge of linear elements (Blue)


Direction of horizontal movement of walls



Strike of vertical fault plane with movement of walls (up throw and down throw) (Blue)



Strike and dip of foliation and plunge of lineation

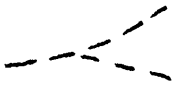
Strike of vertical foliation

EXPLANATION
of
MAP SYMBOLS

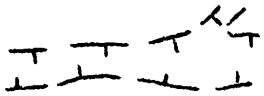
PROPOSED EXPLORATION:

Surface:

Prospect pit

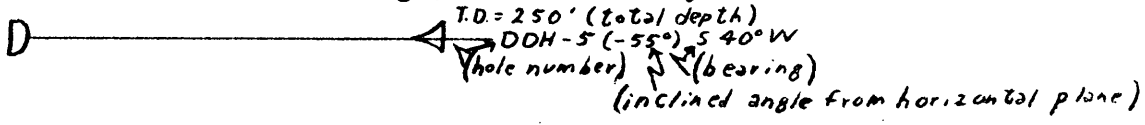


Road



Stripping and trenching

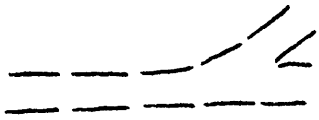
Drilling (inclined hole symbols scaled from horizontal plane):



D Drill set up

Bottom of hole

Mine:



Drift, tunnel or crosscut

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JAN 12 1959
O.M.E.

OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of August, 1958 Docket No. DMEA 4721 Contract No. Ian-B1207
Operator's Name La Salle Mining Company Minerals Uranium
Address P. O. Box 237 - Grand Junction, Colorado
Contract Amount, $ 54,234.00 Government Participation: 75% Amount, $ 40,675.00

ITEMS OF COSTS	FOR OPERATOR'S USE: Monthly Total	Totals Previously Reported	Totals To Date	FOR GOVERNMENT USE ONLY: Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Contracts:						
Short Form Geophysical Survey	None	1,800.00	1,800.00			
Drilling Underground Drill Station	None	199.50	199.50			
Building Underground Drill Station	399.00	None	399.00			
Crosscutting						
Drifting & Crosscutting	3,993.00	2,211.00	6,204.00			
Drilling Underground	840.00	None	840.00			
(2) Labor and Supervision:						
Underground Incidental Labor						
Supervision Allowance	255.00	None	255.00			
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
Wooden Core Boxes	35.00	None	35.00			
(8) Contingencies (specify):						
TOTALS	5,523.00	4,210.50	9,733.50	5,523.00	4,210.50	9,733.50

OME
DEPARTMENT OF THE INTERIOR
DEC 30 1958
REGION III
DENVER, COLORADO

OME
DEPARTMENT OF THE INTERIOR
DEC 22 1958
REGION III
DENVER, COLORADO

I certify that the above bill is correct and just and that payment therefor has not been received.
Date Sept. 29, 1958 Payee La Salle Mining Company
Per W O Chandler Title Project Supervisor

*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.

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

(Instructions on reverse)

Pursuant to authority vested in me, I certify that this account is correct and proper for payment in the amount of:
$ 4142.25
Signature [illegible]
(Authorized Certifying Officer)
Date 1/7/59 Vou. No. DMEA 59-79
(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. FdmE/207 in accordance with the terms of the contract.

Signature Carl Belser (@ 4,142.25) Title Mining Engineer Date 12/24/58

Checked for Engineering Allowability

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE

Signature [illegible] Title Executive Officer Date JAN 6 1959

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(*a*) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(*b*) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(*c*) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

JAN 12 1959
O.M.E.

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of August 195 8 Docket No. DMEA 4721 Contract No. Dmn-R1207
Operator's Name LaSalle Mining Company Minerals Uranium
Address P. O. Box 217 - Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
			Stage I					
Drifting & Crosscutting	Feet	3,993.00	121	6,204.00	188	33.00	290	33.00
Geophysical Survey	Sta.	None	None	1,000.00	500	2.00	500	2.00
Crosscutting								
Underground Drill Sta. Raise	Cu. Yd.	None	None	199.50	210	0.95	210	0.95
Underground Drill Sta. Chute	Cu. Yd.	399.00	420	399.00	420	0.95	420	0.95
Underground Drilling Wells NX-01-250'	Feet	840.00	150	840.00	150	5.60	650	5.60
Drilling: Core								
Churn								
Auger								
Underground Incidental Shipping Allowance	Feet	255.00	150	255.00	150	1.70	700	1.70
Trenching								
Test Pits								
Roads and Trails								
Wooden Core Boxes	Box	35.00	9	35.00	9	4.00	55	5.00
TOTAL DISTRIBUTED COSTS		5,523.00		9,733.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		5,523.00		9,733.50				54,234.00

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. 29, 1958 Operator La Salle Mining Company

Per W J Chandler Title Project Supervisor

REMARKS: Work performed on Stage I only.

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

(Instructions on reverse)

(For Government use only) Carl Belser

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

LA SALLE MINING COMPANY
P. O. BOX 217
GRAND JUNCTION, COLORADO

MONTHLY REPORT

Docket No. DMEA 4721 (Uranium)
Contract No. Idm-E 1207
La Salle Mining Company
(Fair Day et al. Claims)
Boulder County, Colorado

NARRATIVE REPORT

Docket No. DMEA 4721 (Uranium)
Contract No. Idm-E1207
La Salle Mining Company
Fair Day et. al. Claims
Boulder County, Colorado

Period of Report: August, 1958

The following work was completed during the month of August, 1958, as outlined in Exhibit "A" under Stage "I" of the Exploration Project Contract.

1. The underground diamond drill hole "DDH-1".
2. One hundred and twenty-one (121) feet of drifting and crosscutting.
3. The underground diamond drill station at point "R".

Included with this report is a base map (Figure 4) showing aspects of the underground program, a radiometric probe and geologic log (Table No. 1) and a drill hole cross section (Cross Section No. 1).

The diamond drill hole "DDH-1" was completed to a depth of one hundred and fifty (150) feet by August 15, 1958. The hole was drilled from point "S" and inclined -45° in a N 15° W direction (See Figure 4). No significant radioactivity was encountered in the hole or core. (See Table No. 1). The geology is described on Cross Section No. 1 and Table No. 1. The information obtained from "DDH-1" indicates little change in geology or mineralization between the area cut by the drift heading North-North East from point "S" and the section cut by "DDH-1".

By August 31, 1958, one hundred and twenty-one (121) feet of drifting and crosscutting had been completed.

On line from point "W" to point "R" twenty (20) feet of crosscut drift was driven to complete the seventy (70) feet to point "R". The mining conditions have been good and no timber necessary. The material encountered was zones of unaltered biotite hornblende schist and pegmatitic granite (see Figure 4). The schist shows little to no granite penetration. No significant radioactivity was encountered in the crosscut drift.

On line from point "V" to point "Z" one hundred and one (101) feet of drift has been driven to make a total of one hundred and eighteen (118) feet towards point "Z". The mining conditions have been good and no timber necessary. The complete drift from point "V" towards point "Z" is described as follows.

The drift that leaves point "V" and trends Northeast to point "Z" was driven for the first fifty three (53) feet in an altered granite biotite gneiss whose linear elements near paralleled the drift. The gneiss had been invaded to a varying degree by pegmatitic granite. From fifty three (53) to ninety one (91) feet the drift cut a pegmatitic granite zone which contained a heavy concentration of gneiss inclusions near the contact. The granite exhibits a strong flow structure. From ninety one (91) to one hundred and seven (107) feet is a zone of weakly altered biotite schist lightly involved by pegmatitic granite. The linear elements of the schist are near parallel with the drift. From one hundred and seven (107) feet to the breast the drift cut a zone of altered biotite schist heavily invaded by pegmatitic granite in which the linear elements are changed from the usual Northeast-Southwest strike to a Northwest-Southeast strike. (See Figure 4).

The main structural feature observed in the drift is a mineralized shear zone that leaves the main North-South fault at point "V" to "Z". The shear stays in the right rib for about the first twenty (20) feet of the drift, then swings across the drift and splits. One feature, weakly mineralized, disappears into the left rib about thirty four (34) feet from the starting point of the drift. The other feature, non-mineralized, continued up the drift and was lost in the granitic zone. The shear zone was rather weakly mineralized for the first five (5) feet after leaving the point "V" North-South fault but it then widens into a vein that for the next twenty (20) feet should average six (6) inches of 0.20% U_3O_8 by radiometric check. In the breast of the drift in the area where the linear elements of the schist strike Northwest-Southeast there appears to be a rather prominent Northwest-Southeast shear zone in the making. This area will be kept in mind when planning future exploration (See Figure 4, Page 2 of the July, 1958 Narrative Report).

By August 31, 1958 at least four hundred and twenty (420) cubic feet had been excavated at point "R" for an underground diamond drill station. The geology is the same as that described in the crosscut drift from point "W" to point "R" (See Figure 4).

Respectfully submitted

W. J. Chandler

W. J. Chandler
Project Supervisor
La Salle Mining Company

TABLE NO. 1

DDH-1

DRILL HOLE LOG

RADIOMETRIC

Minerals Engineering Co. Model 600-B
Cal. to read 30 on 4th scale in a
standard pulp of .30% U_3O_8

Hole Depth	Reading	Scale
0 - 5	3	4
10	3	4
15	3	4
20	4	4
25	4	4
30	4	4
35	4	4
40	4	4
45	3	4
50	3	4
53	3	4
54	4	4
55	5	4
56	7	4
57	8	4
58	6	4
59	4	4
60	4	4
65	3	4

GEOLOGIC

T.D. = 150'

Total Core Recovery = 85%

0' - 2' Granite, med. grain, argillized and altered.

2' - 4' Biotite schist, altered.

4' - 9' Granite, med. grain, argillized and altered.

9' -15' Biotite schist, heavily invaded by granite, altered.

15' - 33.5' Granite, med. grain, argillized and altered to 25', then slightly, shows flow structure.

Core Recovery 0'-23' = 52%

33.5' - 35.5' Biotite schist, heavily invaded by granite,

35.5' - 79.3' Granite, med. grain, argillized and altered to 58', then slightly to 67', then very to 79.3'. From 55' to 58' and 66' to 67' sheared and broken and rehealed with silica, slightly radioactive (less than .05% U_3O_8) from 55' - 58'.

TABLE NO. 1

DDH-1

Hole Depth	Reading	Scale
70	3	4
75	3	4
80	3	4
85	4	4
90	4	4
95	4	4
100	3	4
105	3	4
108	3	4
109	7	4
110	10	4
111	10	4
112	8	4
113	5	4
114	4	4
115	3	4
120	3	4
125	3	4
130	3	4
135	3	4
140	4	4
145	4	4
147	4	4

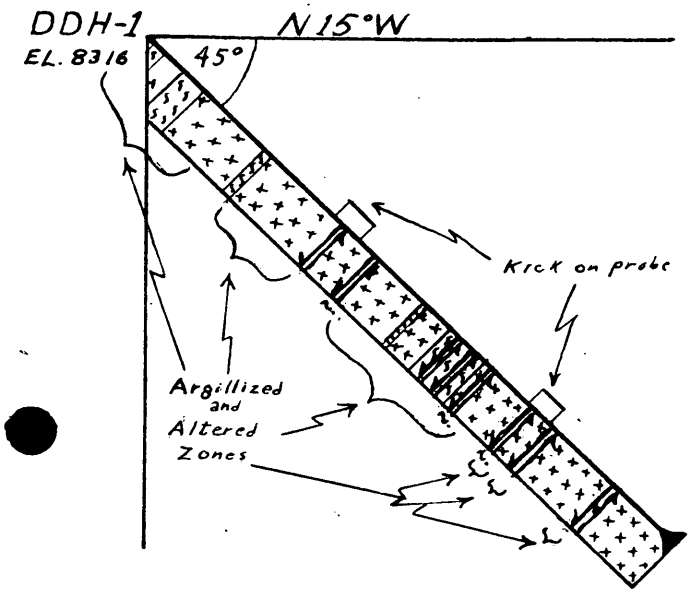
Probe T.D. = 147'
Hole T.D. = 150'

79.3' - 79.8' Quartz pegmatite.
79.8' - 86' Granite, pegmatite, argillized and altered.

86' - 96' Biotite schist, heavily invaded by granite, very altered, argillized, shear at 89' and 94'.

96' - 150' Granite, coarse to med. grain, argillized and altered to 98', then very to 102', then slightly to 110', then very to 113', then slightly to 115', then very to 117', then slightly to 130', then argillized and altered to 133', then fresh to 150', sheared at 99' and 110' to 113' and 116' and 132 to 132.5, slightly radioactive (less than .05% U_3O_8) 110' to 113'.

Cross Section No. 1



scale 1" = 40'

OFFICIAL FILE COPY
O. M. E.
RECEIVED JAN 12 1959

DATE	INITIALS	CODE

FINAL DISTRIBUTION

MADE SEP 5 1958

COPY

RECEIVED SEP 9 1958

DATE	INITIALS	CODE
9-8	C	220
"	[illegible]	110
"	[illegible]	700

[illegible] New Customhouse
Denver 2, Colorado
August 29, 1958

Memorandum

To: T. A. Christensen

From: Alternate Acting Executive Officer, DMRA Field Team, Region [illegible]

Subject: Docket No. DMRA 4721 (Uranium) Contract No. [illegible]-11607
La Salle Mining Company (Fair Ray et al. [illegible]) Boulder County, Colorado - Operator's Monthly Progress Report for the month of July 1958

Enclosed are the original and four copies each of Forms MF-104 and MF-104A, Operator's Narrative Report, and Engineer's Report for the above period.

The work is being performed partly under independent subcontract, partly by the Operator on the basis of actual incurred costs, and partly at fixed unit costs. Under the circumstances, the rates for the work performed under independent subcontract are considered to be reasonable. The costs reported for work performed by the Operator have been reviewed by this office and are considered to be reasonable.

We 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. Payment is recommended at 75 percent of the amount reported on Form MF-104 for July 1958, contingent on your verification of the correctness of applicable rates and arithmetical accuracy of the computations.

Remarks

Date of report ---------- August 14, 1958
Date received in Field Office -------- August 22, 1958
Date received in Regional Office ----- August 26, 1958

Original signed by
J. W. TOWNSEND
J. W. Townsend

HMC:dz
cc: Comm. Op. Comm. (2)
MF-104 File, Reg. III
Salsbury
Harshman)w/cy of Engineer's report
Chron

DMEA
DEPARTMENT OF THE INTERIOR
AUG 26 1958
REGION III
DENVER, COLORADO

REGION III

Building 20
Denver Federal Center
Denver 2, Colorado
August 26, 1958

Memorandum

To: Alternate Acting Executive Officer, DMEA Field Team, Reg. III

From: M. H. Salsbury

Subject: Docket No. DMEA 4721 (Uranium) Contract Ida-31207,
La Salle Mining Company (Fair Day et al claims)
Boulder County, Colorado -- Progress report for July 1958

Operations under the subject contract were inspected on August 6, 1958, in company with W. J. Chandler, supervisor for the operator, and Franklin A. Seward, Jr., who performed the geophysical survey of the property. At the time of inspection the geophysical survey and 1 underground drill station had been completed, and 2 headings and 1 diamond drill hole were in progress underground.

Work under the contract was started on July 7, 1958. Reimbursement for the following fixed cost items under Stage I of the contract is claimed in July 1958:

Geophysical survey, 900 stations at	$1,800.00
Drifting and crosscutting 67 feet at $33/ft.	2,211.00
Underground drill station at 3-210 cu. feet $0.95/ft.	199.50
Total claimed in July 1958	$4,210.50

All claims are in accordance with contract terms.

Submitted with the claim in quintuplicate were MF-104 and MF-104A forms, a narrative report with maps, and an interpretive geophysical report, including an equipotential map. No further documentation is required.

A random check of stations occupied during the geophysical survey was made and the positions of stations were verified as being located properly in fences (profiles) 100 feet apart, with stations in each fence 20 feet apart. A total of 918 stations were established in accordance with contract specifications and 44 additional intermediate stations. Payment for only 900 stations is claimed. Stations at even 100 feet intervals were plotted on the map submitted. Intermediate stations were omitted for clarity.

The measured distance to the face of the "W-E" crosscut from survey station B14 was 63 feet on August 6, 1958 compared to 50 feet claimed. In the "V-E" drift, the measured distance to the face from the start was 39 feet compared to 17 feet claimed. The initial point for each heading was 3 feet from the survey plugs used as a reference point.

A drill station 10 feet by 14 feet by 10 feet requiring approximately 1400 cubic feet of excavation was constructed at point "E".

Diamond Drill Hole No. 1 on a bearing of N. 15° W., 45° below the horizontal had been drilled 62 feet.

No significant mineralization was found in the first 63 feet of Drill Hole No. 1. Slight mineralization was found in slabbing to start drift "V-E".

Totals on the accounting forms are correctly entered. The narrative report and accounting forms are signed by W. J. Chandler as project supervisor for the operator.

Payment of $3,157.88 or 75 percent of $4,210.50, the amount claimed in July 1958, is recommended for approval.

M. H. Salsbury
M. H. Salsbury
Mining Engineer

MHS/mw
cc: 6
Idm-H1207
ckron

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

RECEIVED SEP 8 1958 D.M.E.A.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of July 1958 Docket No. DMEA 4721 Contract No. Idm-E 1207
Operator's Name La Salle Mining Company Minerals Uranium
Address P. O. Box 217, Grand Junction, Colorado

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH Stage I	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT Units	AUTHORIZED BY CONTRACT Unit Costs
Drifting & Crosscutting	Foot	$2,211.00	67	$2,211.00	67	$33.00	290	$33.00
Geophysical Survey	Sta.	1,800.00	900	1,800.00	900	2.00	900	2.00
Underground Drill Station at "S"	Cubic Foot	199.50	210	199.50	210	0.95	210	0.95
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		4,210.50		4,210.50				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		4,210.50		4,210.50				54,234.00

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.

REMARKS: Work performed on Stage I only.

Date 8-14-58 Operator La Salle Mining Company

Per W M Chandler Title Project Supervisor

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

(Instructions on reverse)

(For Government use only)

INSTRUCTIONS

Preparation of Form MF-104A—Operator's Unit Cost and Progress Report.—Applicable places on Form 104A should be filled in by the Operator. The purpose of this form is twofold as follows: (1) to furnish the supervising engineers and other administrators with statistical information necessary to better determine the progress of the project; and (2) to furnish more permanent information on mining costs for future use. The more important phases of operation on which permanent information is desired have been outlined in the form. There are blank lines, however, for those unusual phases which may need to be reported for a particular project. It will be necessary for the Operator to distribute his costs among the applicable phases reported with the exception of three items the costs of which are not to be distributed by the Operator. These three items are: "Operating Equipment Purchased", "Initial Rehabilitation and Repairs", and "New Buildings, Improvements, etc." The reason for not distributing these items on a monthly basis is doubtless clear to the Operator, since such distribution might well overstate the cost for any one month or period short of the entire contract period.

Form MF-104A has been designed to tie in with Form MF-104 for both monthly and cumulative costs. The "Total Costs" on Form MF-104A for each month should equal the monthly "Total Costs" as reported on Form MF-104. This is also true of the "Total Costs To Date".

In preparing Form MF-104A, it will be necessary frequently to distribute certain costs over a number of items. For instance, supervisory and engineering costs may have to be distributed over several phases, such as, drifting, crosscutting, raising, etc., provided that these items were reported active for the month. Such distributions should be made on the basis of time spent on the various phases, on man days of labor charged to such phases, or on some other equitable basis. "Operating Equipment", "Initial Rehabilitation and Repairs", and "New Buildings Improvements, etc.", will be distributed to the several phases of the project by the Washington Office of DMEA at the close of the project if determined necessary. The last two columns headed "Authorized by Contract" will be filled in by the Operator if such information is found in the contract. This information is usually a part of Exhibit "A" of the contract. A space for remarks has been provided for the use of the Operator to call attention to any unusual circumstances causing excessive or disproportionate unit costs.

GPO 872894

Form MF-104 (Rev.)
(April 1952)

Budget Bureau No. 42-R1036.5

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
OPERATOR'S MONTHLY REPORT AND VOUCHER

Month of July, 1958 Docket No. DMEA 4721 Contract No. Idm-E 1207
Operator's Name La Salle Mining Company Minerals Uranium
Address P. O. Box 217, Grand Junction, Colorado
Contract Amount, $ 54,234.00 Government Participation: 75 % Amount, $ 40,675.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Geophysical Survey	$1,800.00	None	$1,800.00			
Underground Drill Station at "S"	199.50	None	199.50			
Drifting & Crosscutting	2,211.00	None	2,211.00			
(2) Labor and Supervision:						
Labor						
Supervision						
Technical Services						
(3) Operating Mat'ls. and Supplies:						
Timber						
Explosives						
Pipe						
Track						
(4) Operating Equipment:						
Rental						
Purchase						
Depreciation						
(5) Initial Rehabilitation and Repairs						
(6) New Bldgs., Improvements, etc.						
(7) Miscellaneous:						
Repairs to Equipment						
Sampling and Analysis						
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	4,210.50	None	4,210.50	4,210.50		4,210.50

DMEA
DEPARTMENT OF THE INTERIOR
AUG 21 1958
REGION III
DENVER, COLORADO

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

Date 8-14-58 *Payee La Salle Mining Company

Per M. J. Chandler Title Project Supervisor

*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.

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

(Instructions on reverse)

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

$ 3157 88

Signature
(Authorized Certifying Officer)

Date 9/3/58 Voucher No. DMA 59-31

(See other side)

(For Government use only)

CERTIFICATION BY GOVERNMENT REPRESENTATIVE:

I certify that to the best of my knowledge and belief the contractor submitting this voucher is operating a Defense Minerals Exploration Administration project under Contract No. E1207 in accordance with the terms of the contract.

Signature [illegible] 3,157.88 Title Mining Engineer Date 8-26-58

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Alternate Acting Executive Officer Date AUG 29 1958

Checked for Engineering Accuracy

MONTHLY REPORT OF OPERATOR

The Operator (Contractor) of an exploration project is required to make a monthly report to the Government through the Regional Executive Officer. This report consists of three parts as follows:

(a) *Form MF-104—Operator's Monthly Report and Voucher.*—This form details expenditures and constitutes a voucher for reimbursing the Operator for the Government's share of costs;

(b) *Form MF-104A—Operator's Unit Cost and Progress Report.*—This is a statistical report of expenditures which shows costs for the various types of operation; and

(c) *Narrative.*—A concise narrative description of progress made, results accomplished, and any unusual difficulties encountered must be furnished as an attachment to this Report and Voucher. Wherever possible, the narrative is to be illustrated with maps or sketches showing formations penetrated and location and assays of samples taken as well as advances in workings. In the case of diamond drilling or churn drilling, the location and inclination of holes is to be shown on a map; logs and assays also are to be submitted.

The Monthly Report of Operator should be prepared in an original and four copies all of which must be sent to the Executive Officer of the Region not later than the 15th of the month following.

Preparation of Form MF-104—Operator's Monthly Report and Voucher.—All the applicable spaces in Form MF-104 should be filled in by the Operator, and the Operator or his agent should sign the certification in the lower left corner of the form.

The items of costs are arranged in the order they appear in Article 6 (a) of Form MF-200 (Revised February 1952), however, this form is readily adaptable for use in reporting activities under other contract forms.

Under Item (1) delete words "Short Form" if the contract is a sub-contract under Form MF-200; and delete word "Independent" if the contract reported is on Form MF-200 (A). Also, report work paid for on a unit basis under contract Form MF-200 as though it were performed under an independent contract.

Under Item (2) include labor, supervision and technical services incurred for the exploratory operations. Do not include labor, supervision and technical services used for work performed under items (5) and (6).

Under Item (3) include the costs of material and supplies used in the project other than that used under items (5) and (6).

Under Item (4) appear the three types of operating equipment expenditures, that is, rental, purchase and depreciation. The expenditures made for renting equipment belonging to a third party will be reported under "Rental". The amount paid or duly obligated for payment for the purchase of equipment will be reported under "Purchase". The amount of expenditures due the Operator to reimburse him for depreciation of equipment owned will be reported under "Depreciation".

Item (5) comprises costs of labor, supervision, technical services, materials, etc., which are used in the initial rehabilitation and repair of existing buildings, installations, fixtures, and equipment. These costs, therefore, should not be reported under items (2) and (3).

Item (6) includes the labor, supervision, technical services, materials, etc., used in the installation or construction of new buildings, fixed improvements, etc., necessary for the project. These costs, therefore, should not be reported under items (2) and (3).

Item (7) covers miscellaneous types of expenditure such as payroll taxes, liability insurance, workmen's compensation insurance, repairs to equipment and sampling and analysis. Only that part of payroll taxes, liability insurance and workmen's compensation which are paid by the operator should be reported under item (7). The share paid by the employee as a payroll deduction is to be included under item (2) as labor costs.

Item (8) includes any unforeseen costs not included in the other seven categories.

The original of Form MF-104 when submitted for reimbursable expenses incurred under contract Form MF-200 must be supported by original documentation or by certified copies of purchase orders, payrolls or transcripts of payrolls, unless such documentation has been waived by the Regional Executive Officer. This certification may be stated thus, "Certified True Copy (or Transcript)", followed by appropriate signature. If the Executive Officer of the Region determines that a contract under Form MF-200 should have an "on-site" audit, that is, a Government auditor should make an audit of the Operator's books and records of account, the Operator need not support his monthly voucher with original or certified documents except in cases of equipment purchases whose individual costs exceed $50.00. In these cases the original or a certified copy of the purchase order or invoice should be attached to the Monthly Voucher. N. B.—Only the *original* of Form MF-104 is required to be documented. The four copies of Form MF-104 are not to be thus supported.

Form MF-104 submitted for reimbursement under fixed price contracts on Form MF-200 (A), however, are not required to be supported by documentation of any kind. The Operator will submit his claim under item (1) of Form MF-104 by deleting as stated above the word "Independent" and by showing the number of feet or other units immediately after the appropriate descriptive word, such as, drilling, bulldozing, crosscutting, drifting, etc., and giving the "Monthly Total" amount due. "Totals Previously Reported", and "Totals to Date" columns should also be filled in.

LA SALLE MINING COMPANY
P. O. BOX 217
GRAND JUNCTION, COLORADO

MONTHLY REPORT

Docket No. DMEA 4721 (Uranium)
Contract No. Idm-E 1207
La Salle Mining Company
(Fair Day et al. Claims)
Boulder County, Colorado

NARRATIVE REPORT

Docket No. DMEA 4721 (Uranium)
Contract No. Idm-E1207
La Salle Mining Company
Fair Day et. al. Claims
Boulder County, Colorado

Period of Report: July, 1958

On July 7, 1958 work began on the Fair Day et. al. Claims Exploration Project Contract. During the report period the following work was completed as outlined in Exhibit "A" of the subject Contract under Stage "I".

1. The geophysical (self-potential) survey.
2. Sixty seven (67) feet of drifting and cross cutting.
3. The underground diamond drilling station at point "S".

Included with this report are the following:

A complete interpretive report and equipotential map of the geophysical (self-potential) survey.

A base map (fig. 3) showing aspects of the surface program.

A base map (fig. 4) showing aspects of the underground program.

The geophysical (self-potential) survey requirements were met by July 31, 1958. The work performed, conditions encountered and results of the survey are best described in the accompanying report and map submitted by Franklin A. Seward Jr., Geophysical Engineer. Figure 3 shows the survey in relation to the claim group. Mr. Seward's work, report and map are completely satisfactory in all aspects to the Author and to the La Salle Mining Company.

By July 31, 1958, sixty seven (67) feet of drifting and crosscutting had been completed.

On line from point "W" to point "R" (see fig. 4) fifty (50) feet of crosscut drift has actually been driven or fifty three (53) feet as measured from the measuring point in center of take-off drift. The mining conditions have been good and no timber necessary as yet. The material encountered has been one (1) to ten (10) foot zones of vertical or near vertical bands and wedges of alternating pegmatitic granite, schist and gneiss (see fig. 4)

The granite is light gray to white in color, coarse to pegmatitic in texture with sparse to thick concentrations of biotite. In places the granite exhibits a strong flow structure giving it a gneissic appearance.

The metamorphic zones are composed of material ranging from hornblende biotite schist to biotite gneiss to granite gneiss. All have been invaded to a varying degree by the pegmatitic granite.

A weak non-mineralized shear zone cuts the crosscut drift at about fourteen feet (14) from point "W" (see fig. 4). The strike is N 48° E and dip is 70° to the NW. The strike and dip of all the linear elements observed in the drift approximate that of the shear.

No significant radioactivity has been encountered in the crosscut drift.

On line from point "V" to point "Z" seventeen (17) feet of drift has actually been driven or twenty (20) feet as measured from the measuring point at tri-wall center of take off drift (see fig. 4). The mining conditions have been fair and no timber necessary as yet. The material encountered was a granite biotite gneiss with injected granite. Several shear zones leave the prominent fault which cuts northerly through point "V" and curve to strike in the general direction of the drift (N 30° E) towards point "Z". The dip of the shears changes from vertical to 70° NW. The strike and dip of all the linear elements observed in the drift approximate that of the shear zones (see fig. 4). The only significant mineralization uncovered so far in work outlined by the Government was found in a minor shear zone that leaves the northerly trending fault fifteen (15) feet south of measuring point "V". The shear makes into a vein about five (5) feet after leaving the fault in granite near the granite-gneiss contact. The vein was uncovered while slabing the right rib at point "V" in preparation for the drift on line "V" to "Z". The vein assumed a N 30° E strike with dip near vertical and was kept in the right rib of the drift (see fig. 4). The average width of the vein material is about six (6) inches with the bulk of the mineralization consentrated in a one (1) inch average pitchblende stringer within the vein. A radiometric check of the vein indicated the vein should run an average of six (6) inches of 0.20 U_3O_8. The Author feels that the mineralization is not sufficient to warrant a chemical analysis of the Uranium content at this time. The area will be kept in mind, however, when planning future exploration.

By July 18, 1958, the two hundred and ten (210) cubic feet allowed by the Government had been excavated at point "S" for an underground diamond drill station. In addition it was necessary to excavate approximately one thousand two hundred and thirty (1,230) cubic feet so that all the drilling machinery and assessories could be moved out of the drift where point "S" is located. This drift is used in the normal operation

of the mine (see fig. 4). The drill station at point "8" was excavated a long the contact between a coarse-textured granite and a hornblende biotite schist. In the extreme southeast corner of the drill station in the part excavated at the expense of the La Salle Mining Company, another mineralized zone was discovered. The zone was not sufficiently exposed to allow proper study at this time though it appears to be on another northeast trending shear zone (see fig. 4). This area will also be kept in mind when planning future exploration.

On July 28, 1958, the Boyles Bros. Drilling Company moved equipment onto the property to begin the underground diamond drilling. As of July 31, 1958 no diamond drill holes were completed.

Respectfully submitted

W. J. Chandler

W. J. Chandler, Geologist
Project Supervisor
La Salle Mining Company

LeSALLE MINING COMPANY

REPORT ON A SELF POTENTIAL SURVEY
OF THE
OVERLAND MOUNTAIN CLAIM GROUP
JAMESTOWN MINING DISTRICT
COLORADO

Franklin A. Seward, Jr.
Geophysical Engineer

July 31, 1958
Golden, Colorado

ABSTRACT

A self potential survey over the Fairday Mine orebody and adjoining areas has produced significant results. The Fairday orebody showed a negative anomaly of some 200 millivolts with respect to a distant point, or from 15 to 20 times background.

Several lesser anomalies or negative centers have been located and definite structural trends have been delineated as a result of this survey.

The significance of the minor trends can only be evaluated pending future surface and subsurface examination.

INTRODUCTION

This report concerns a self potential or potentiometer survey conducted over portions of the Overland Mountain Claim Group near Jamestown, Colorado, for the LaSalle Mining Co.

The method was originally employed on this property by J. D. Schlottmann of the Atomic Energy Commission, who observed a pronounced anomaly in profiles over the Fairday orebody. The results of that investigation prompted further exploration by this method.

During the course of this survey every effort was made to hold controls to the highest possible degree of accuracy.

Final interpretation of all the data is dependent upon future surface and subsurface examination. An interpretation of the more obvious anomalies and trends is offered.

PROCEDURE

The procedures and methods used in conducting this survey are standard and in currently accepted use.

Plane Survey. A Skyline, 6 inch, 20 second, transit was used for this survey.

The survey was begun from the northeast corner (No. 1.) of the Fairday A. M. claim. In backsighting on other claim corners in the vicinity a horizontal angular discrepancy of 6° in one case and 11° in another was observed and this was not considered sufficiently accurate for the purposes of this survey. For this reason the initial bearing was set by transit compass from true north with a probable accuracy approaching 30 minutes of angle.. A traverse line parallel to the side lines of the Fairday A.M. claim (N 37°E) was established extending from about 50 feet north of the south end line of this claim to about 50 feet south of the north sideline of the Baltimore Bell claim. The survey was tied to previously surveyed workings on the Fairday A. M. claim and to the southeast corner (No. 2) of the Baltimore Bell patented claim. Grid stakes at 100 foot intervals were surveyed from the travers line by stadia methods. Locations were kept 50 feet within property boundary lines as observed from fences and in all other areas to the best knowledge of this writer.

Horizontal accuracy of the transit - chain traverse exceeds 1.0 feet and that of the stadia survey 5.0 feet; vertical control is to the nearest foot.

Potentiometer Survey. A Gray, Queen model, two range potentiometer having a sensitivity of 0.00005 volts (.05 millivolts) per scale division was used in the self potential survey. In general no attempt was made to read closer than 0.5 millivolts and this was rounded in the data sheets to the nearest millivolt.

A potentiometer traverse was run from the -A- profile line on the south to the northern-most -FF- profile line. Each traverse station was double tied to the preceding station and the differences averaged. Profile stations were located at 20 foot intervals by chaining between stakes and the potential differences were read at each location relative to the base stations on the traverse line. A 6-inch hole was made at each station location and ''wet down'' with a dilute copper sulfate solution to insure good contact between the copper sulfate - porous pot electrodes and the subsoil.

Mapping and Interpretation. The self potential method is limited by a number of variable conditions that can cause minor potential differences or fluctuations between the base and field electrodes. These conditions provide a background or ''noise'' level occasionally approaching ± 15 or 20 millivolts. Some of these factors include: Variation, with location, of the moisture content of overburden, which may tend to increase or decrease the average resistivity of the soil; variation, with location, of the metallic salt content in the soil solutions which may cause differential contact potentials; variation in the thickness of overburden to bedrock and fluctuations in water table elevation; variation, with time and location, of soil and air temperatures; electrical storms; and a number of other more or less minor variables.

The large, rather massive, orebody observed and reported below shows potential relief on the order of 10 to 15 times the background ''noise'' level and it can be stated with little question that any existing orebody in this general area with characteristics of size and mineral composition similar to those of the Fairday Mine orebody can be found with this method. While there is some question as to the

significance of the lineation of trends and to the smaller negative centers below described, they may not be ignored, as the tight sulfide filled shears may contain uranium in commercial quantities.

The mining history of the area indicates that most of the known commercial mineral deposits have been found to contain a high percentage of sulfide mineralization, primarily as pyrite (FeS_2), but there is insufficient information available to know whether all the major uranium deposits that may exist in this area can be expected to have this high sulfide association.

In mapping the data all values were used. No attempt was made to ''smooth''either the equipotential contour or the profile maps as further surface and subsurface investigation may give added significance to trends presently indistinguishable from the noise level. Certain anomalous areas were field checked and rerun for continuity and repeatability.

As all potential data is relative, a value of 0.0 millivolts was arbitrarily assigned to station M - 16.

INTERPRETATION

The key feature on the accompanying maps is obvious. A large potential anomaly with its negative center at I - 16.2 is indicated, and supported by observation of the known orebody in the underground workings. The 100 foot spacing of the profile lines does not present sufficient data for accurately outling the orebody in detail but definite structural trends are delineated by the potential survey extending to the north, northeast, and southwest.

The second feature of note is the anomaly approximately centered at E - 14.6. There is some question as to the actual size and relief of this anomaly due to the fact that it is centered over fill from the mine workings and to the presence of a dump of ore grade material in the vicinity.. The potentiometer readings in this area along the -E- profile line tended to be somewhat erratic probably due to the oxidation of dump ore at the surface and to the movement of ground water through the unconsolidated fill. However, it is the opinion of this writer that a sulfide body of unknown size exists in this vicinity. The areal extent and apparent relief of the anomaly indicates a body somewhat smaller than that known to exist at I - 16.2 but probably

an extension of that body along structure. Another smaller anomaly and trend exist in this area centered in the vicinity of G - 14.

A definite lineation can be observed trending to the north and a small negative center located at L - 13.6. This immediate area was checked in detail and the potential results were repeated. No surface cause for the existence of the anomaly could be observed other than an apparent alteration of the granite. The shear if such it is, could not be traced on the surface but stations surrounding the negative center at 20 foot intervals were found to form a lineation somewhat in line with that observed trending from the large anomaly centered at I - 16.2.

There is insufficient data to interpret the small, one station, anomaly located at AA - 12.2 and the original results have not been checked at this writing but general characteristics indicate a contact resistance anomaly.

The rather broad anomalous trend of low relief in the vicinity of CC and DD - 13 and 14 is over the workings on the Baltimore Bell claim. There is definite evidence of sulfide mineralization in the area. It is the opinion of this writer that this mineralization occurs along a number of tight shears in the granite. The potential survey gave no evidence of the existence of a massive sulfide body. Work in this area was repeated and detail stations were added confirming the original mapping.

An anomaly between CC - 18 and CC - 19, best observed on the profile map, was checked without significant change other than a slight reduction in overall relief.

No general relationship was observed between topography and potential data, however there is a definite positive trend to the north which is interpreted as being regional in nature.

CONCLUSIONS AND RECOMMENDATIONS

1. The results of the survey over the known orebody were excellent and conclusive

2. It is the opinion of this writer that a somewhat smaller body or one containing a lesser concentration of sulfides exists in the vicinity of station E - 14.6

3. The anomaly in the vicinity of L - 13.6 is worthy of subsurface investigation the results of which can be used as a basis for interpretation of the other small anomalies.

4. Surface examination by trenching or other means of the various ''low'' trends observed throughout the area should be made and these drilled as warranted.

5. This area in general appears to lend itself to the self potential method of exploration and it is recommended for the study of other potential mineral properties in the district.

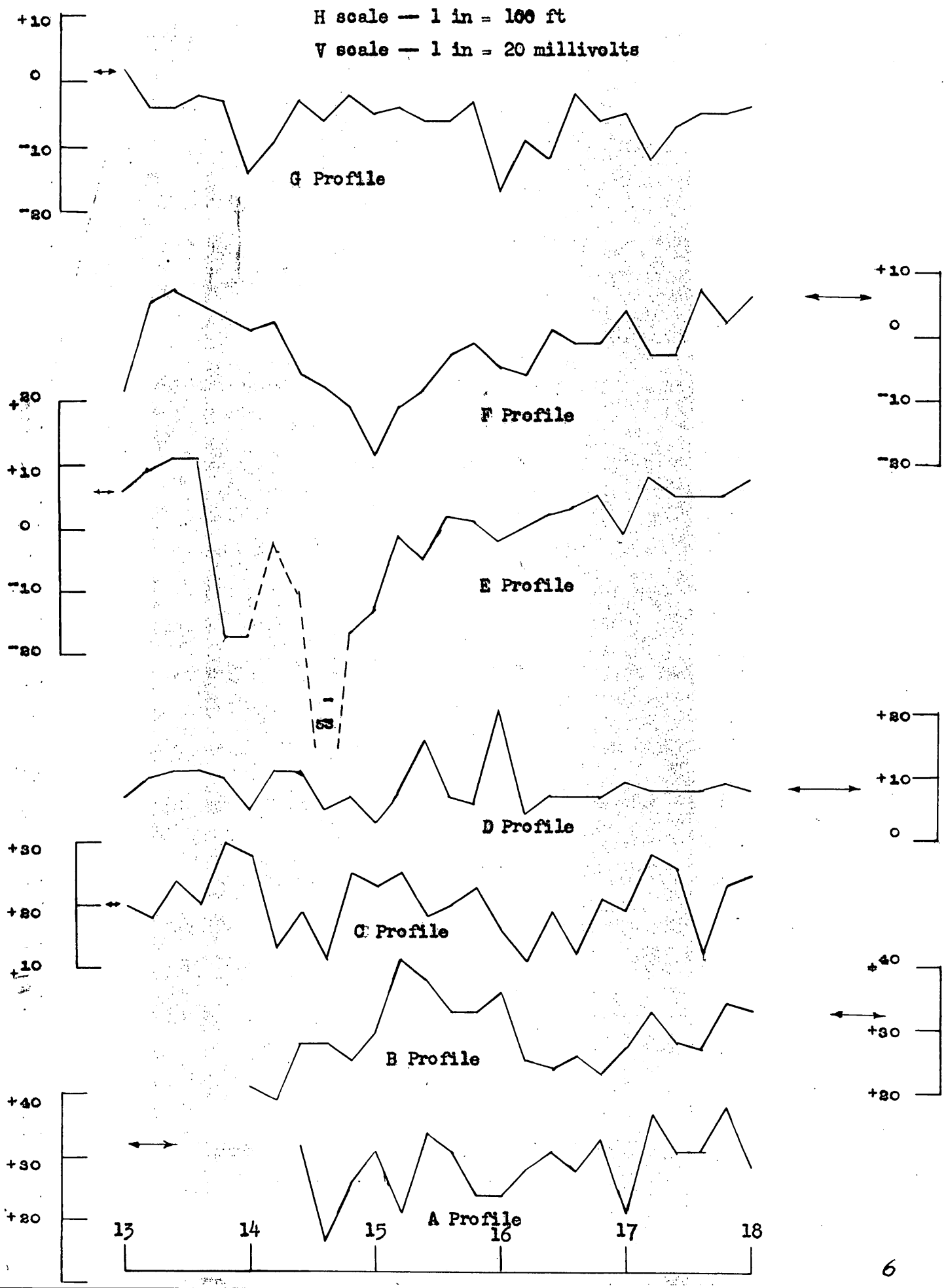
Respectfully Submitted,

Franklin A. Seward Jr.

Franklin A. Seward, Jr.
Geophysical Engineer

July 31, 1958

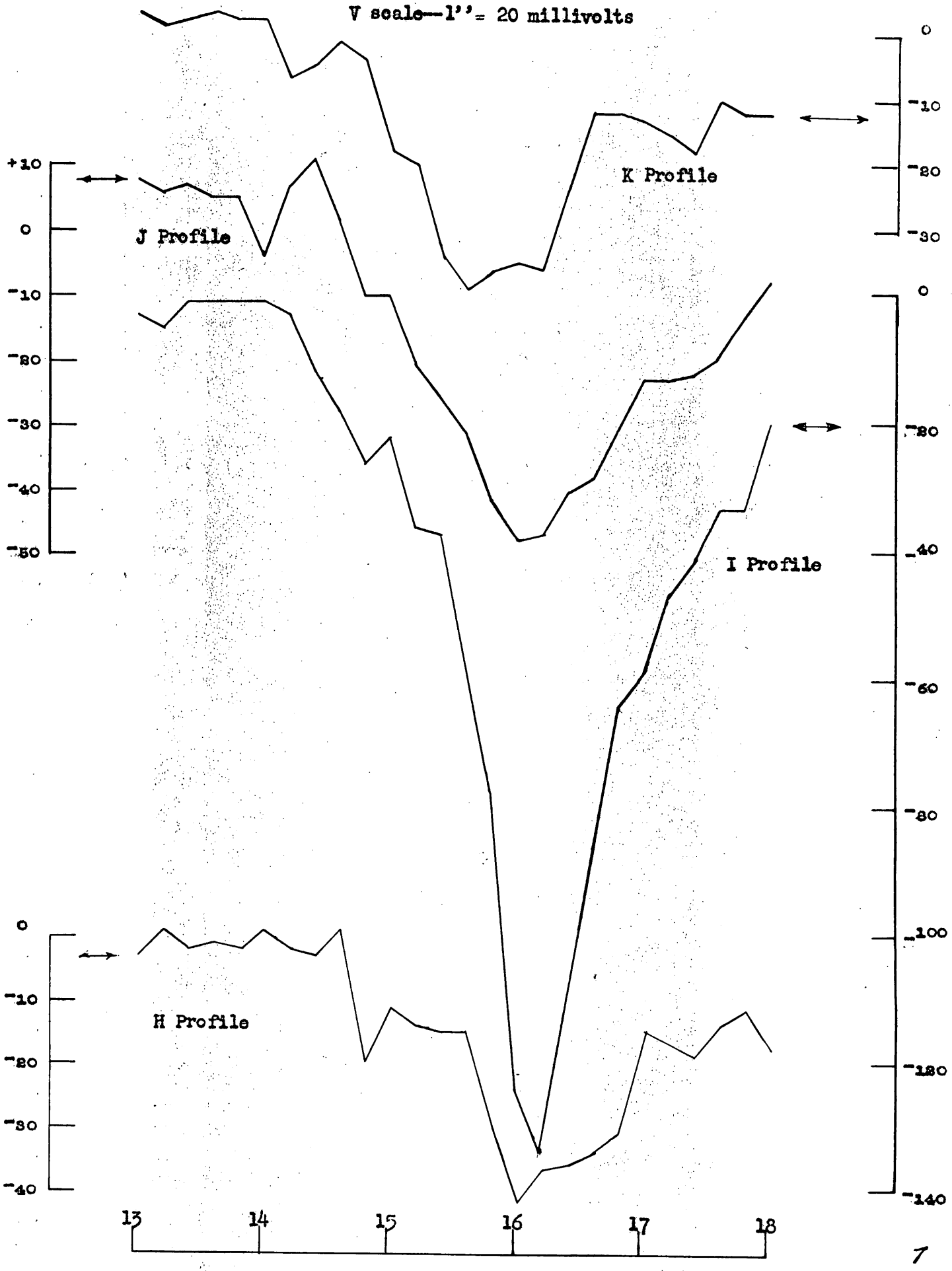
POTENTIAL PROFILES



POTENTIAL PROFILES

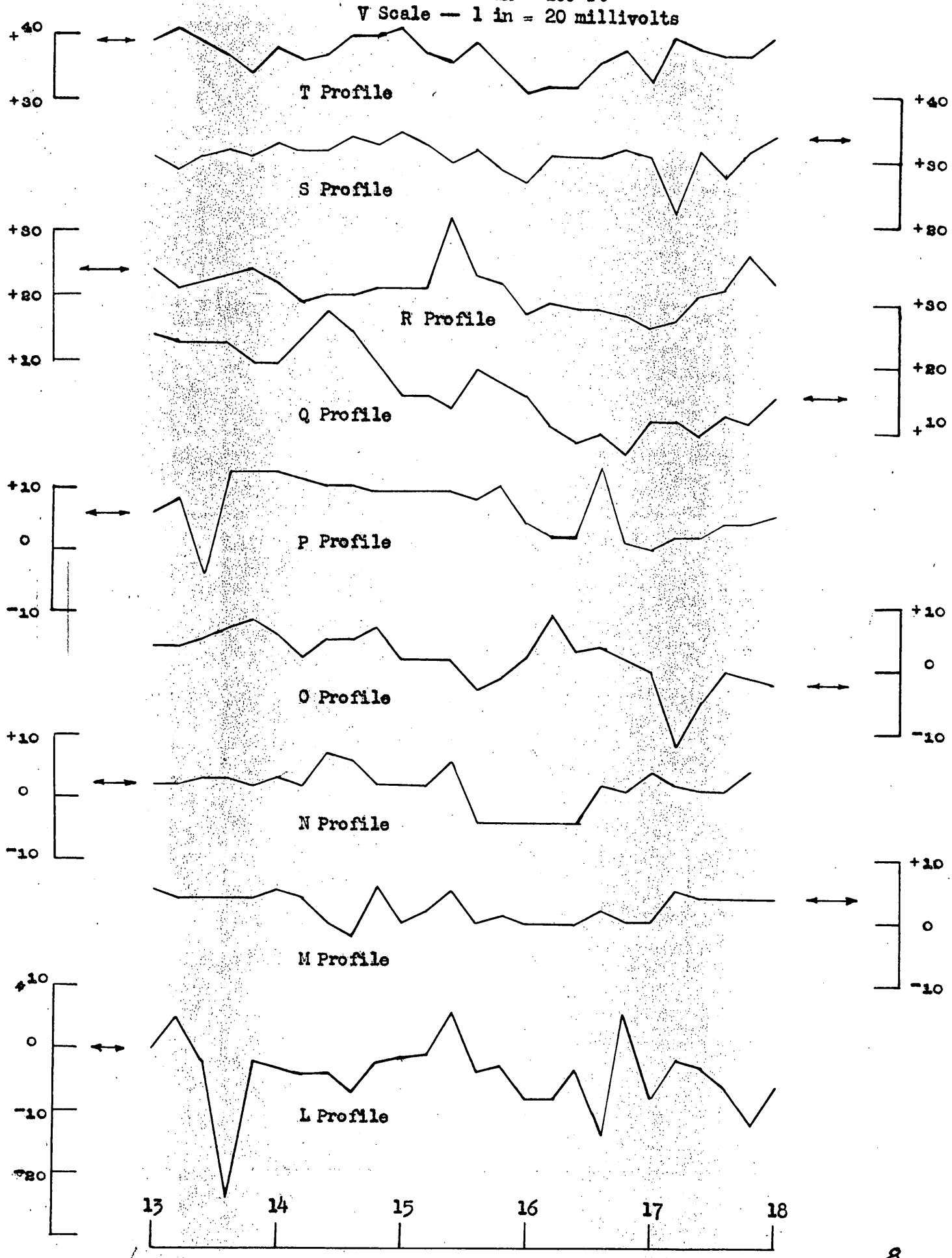
H scale—1'' = 100 '

V scale—1'' = 20 millivolts



POTENTIAL PROFILES

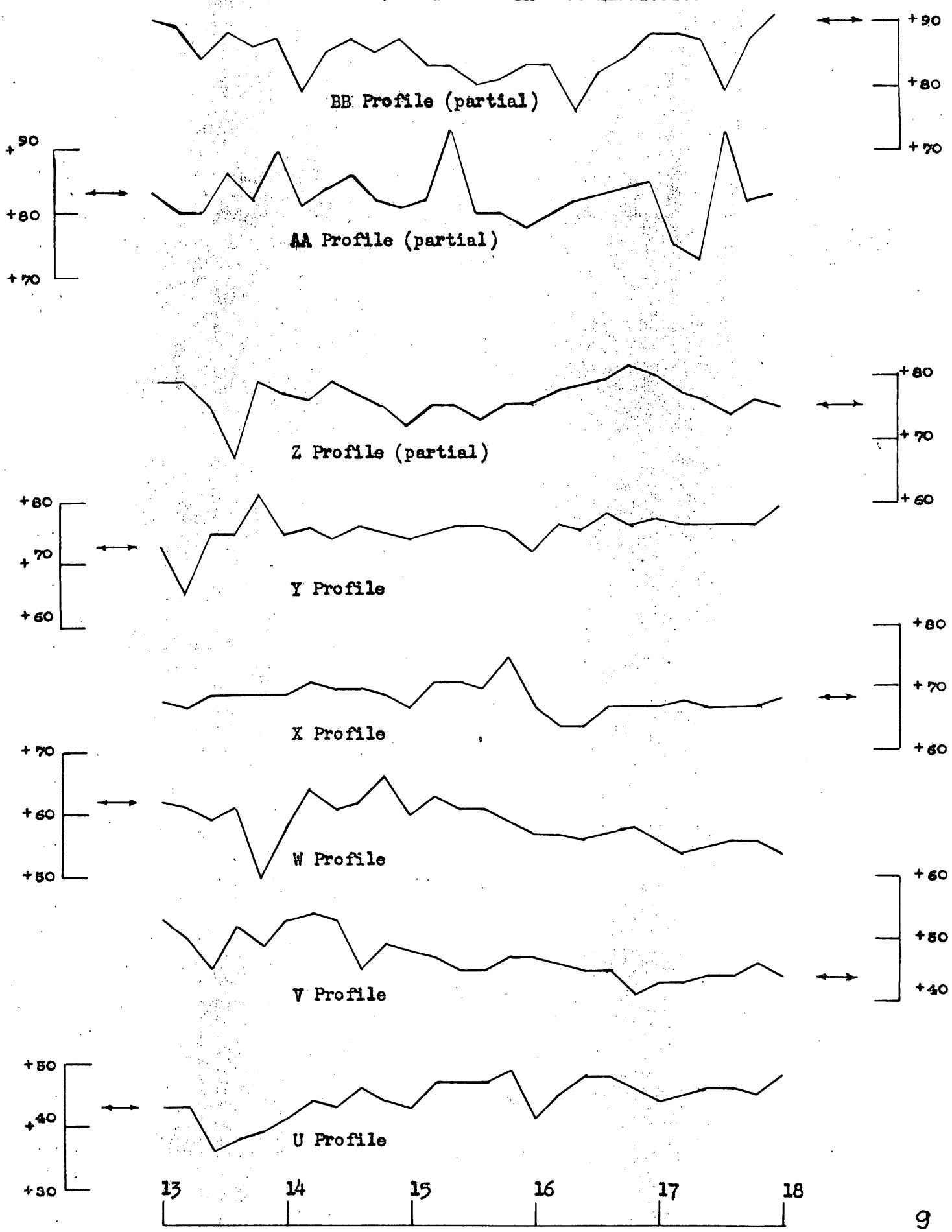
H scale — 1 in = 100 ft
V Scale — 1 in = 20 millivolts



POTENTIAL PROFILES

H Scale — 1 in = 100 ft

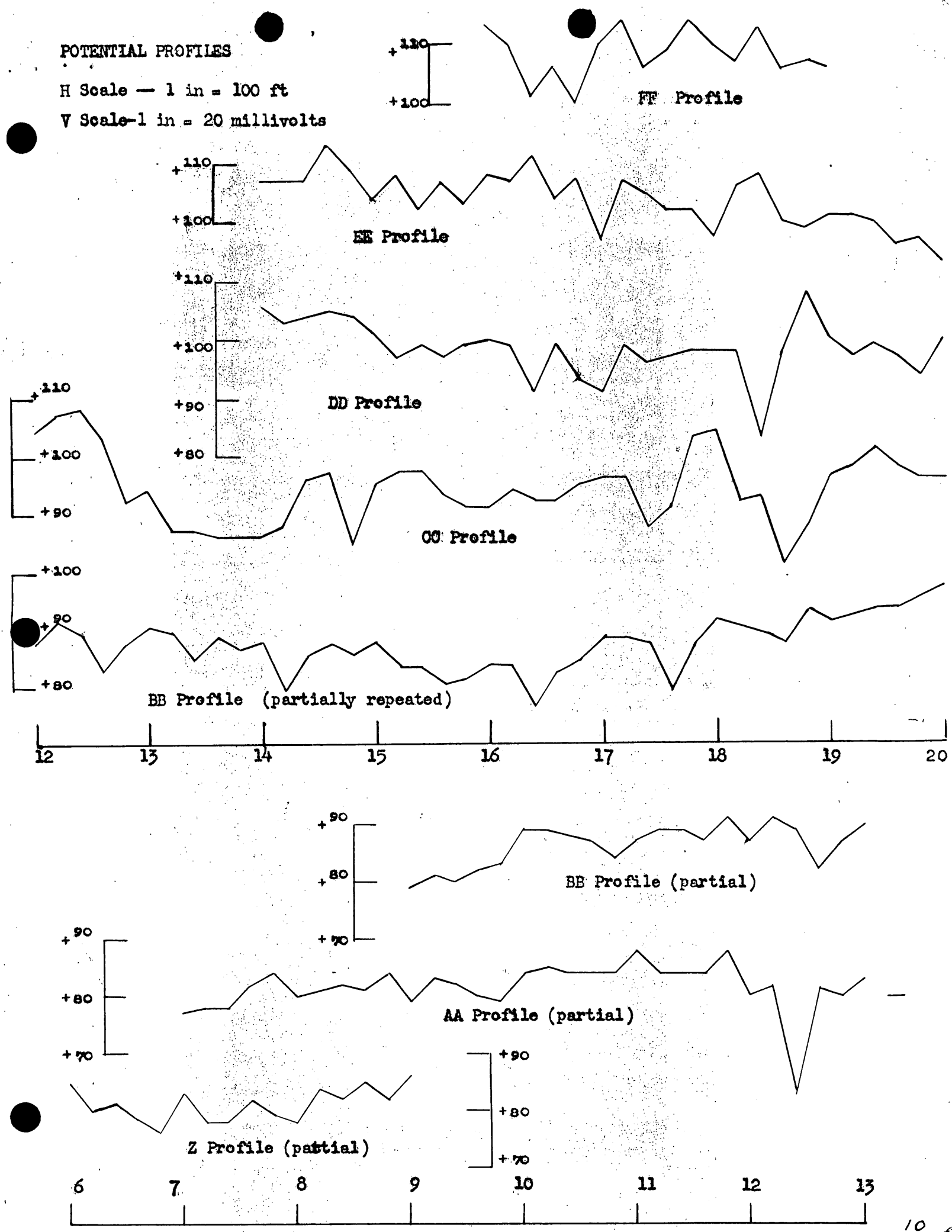
V Scale — 1 in = 20 millivolts



POTENTIAL PROFILES

H Scale — 1 in = 100 ft

V Scale-1 in = 20 millivolts



STATION DATA SHEET

STATION	A	B	C	D	E	F	G	H	I	J	K	L	M
13			+20	+7	+6	-9	+2	-3	-3	+8	+3	0	+5
.2			+18	+10	+9	+5	-4	+1	-5	+6	+1	+5	+4
.4			+24	+11	+11	+7	-4	-2	-1	+7	+2	-2	+4
.6			+20	+11	+11	+5	-2	-1	-1	+5	+3	-24	+4
.8			+30	+10	-17	+3	-3	-2	-1	+5	+2	-2	+4
14		+21	+28	+5	-17	+1	-14	+1	-1	-4	+2	-3	+5
.2		+19	+13	+11	-2	+2	-9	-2	-3	+7	-7	-4	+4
.4	+32	+28	+19	+11	-10	-6	-3	-3	-12	+11	-5	-4	0
.6	+17	+28	+11	+5	-53	-8	-6	+1	-18	+1	-1	-7	-2
.8	+26	+25	+25	+7	-18	-11	-2	-20	-26	-10	-4	-2	+6
15	+31	+30	+23	+3	-13	-19	-5	-11	-22	-20	-18	-1	+0
.2	+21	+41	+25	+8	-1	-11	-4	-14	-36	-21	-20	-1	+2
.4	+34	+38	+18	+16	-5	-8	-6	-15	-37	-26	-34	+6	+5
.6	+31	+33	+20	+7	+2	-3	-6	-15	-58	-31	-39	-4	0
.8	+24	+33	+23	+6	+1	-1	-3	-30	-77	-42	-36	-3	+1
16	+24	+36	+16	+21	-2	-5	-17	-42	-124	-48	-56	-8	0
.2	+28	+25	+11	+4	0	-6	-9	-37	-134	-47	-36	-8	0
.4	+31	+24	+19	+7	+2	+1	-12	-36	-111	-40	-24	-3	0
.6	+28	+26	+12	+7	+3	-1	-2	-34	-86	-38	-12	+14	+2
.8	+33	+23	+21	+7.	+5	+1	-6	-31	-64	-31	-12	+5	0
17	+21	+27	+19	+9	-1	+4	-5	-15	-59	-23	-13	-8	0
.2	+37	+33	+28	+8	+8	-3	-12	-17	-47	-23	-15	-2	+5
.4	+31	+28	+26	+8	+5	-3	-7	-19	-41	-22	-18	-3	+4
.6	+31	+27	+12	+8	+5	+7	-5	-14	-33	-19	-10	-6	+4
.8	+38	+34	+23	+9	+5	+2	-5	-12	-33	-13	-12	-12	+4
18	+29	+31	+25	+8	+7	+6	-4	-18	-20	-8	-12	-6	+4

STATION	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
13	+2	+4	+6	+24	+24	+31	+39	+43	+53	+62	+68	+73	+79
.2	+2	+4	+8	+23	+21	+29	+41	+43	+50	+61	+67	+65	+79
.4	+3	+5	-4	+23	+22	+31	+39	+36	+45	+59	+69	+75	+75
.6	+3	+7	+12	+23	+23	+32	+37	+38	+52	+61	+69	+75	+67
.8	+2	+8	+12	+20	+24	+31	+34	+39	+49	+50	+69	+81	+79
14	+3	+6	+12	+20	+22	+33	+38	+41	+53	+58	+69	+75	+77
.2	+2	+2	+11	+24	+19	+32	+36	+44	+54	+64	+71	+76	+76
.4	+7	+5	+10	+28	+20	+32	+37	+43	+53	+61	+70	+74	+79
.6	+6	+5	+10	+25	+20	+34	+40	+46	+45	+62	+70	+76	+77
.8	+2	+7	+9	+20	+21	+33	+40	+44	+49	+66	+69	+75	+75
15	+2	+2	+9	+15	+21	+35	+41	+43	+48	+60	+67	+74	+72
.2	+2	+2	+9	+15	+21	+33	+37	+47	+47	+63	+71	+75	+75
.4	+6	+2	+9	+13	+32	+30	+36	+47	+45	+61	+70	+76	+75
.6	-4	-3	+8	+19	+23	+32	+39	+47	+45	+61	+70	+76	+73
.8	+4	-1	+10	+17	+22	+29	+35	+49	+47	+59	+75	+75	+75
16	-4	+2	+4	+15	+17	+27	+31	+41	+47	+57	+67	+72	+75
.2	-4	+9	+2	+10	+19	+31	+32	+45	+46	+57	+64	+76	+77
.4	-4	+3	+2	+8	+18	+31	+32	+48	+45	+56	+54	+75	+78
.6	+2	+4	+13	+9	+18	+31	+36	+48	+45	+57	+67	+78	+79
.8	+1	+2	+1	+6	+17	+32	+38	+46	+41	+58	+67	+76	+81

STATION	N	O	P	Q	R	S	T	U	V	W	X	Y	Z
17	+4	0	0	+11	+15	+31	+33	+44	+43	+56	+67	+77	+80
.2	+2	-12	+2	+11	+16	+22	+40	+45	+43	+54	+68	+76	+79
.4	+1	-5	+2	+9	+20	+32	+38	+46	+44	+55	+67	+76	+76
.6	+1	0	+4	+12	+21	+28	+37	+46	+44	+56	+67	+76	+74
.8	+4	-1	+4	+11	+26	+32	+37	+45	+46	+56	+67	+76	+76
18	+4	-2	+5	+15	+22	+34	+40	+48	+44	+54	+68	+79	+75

STATION	Z	AA	BB
6	+85		
.2	+80		
.4	+81		
.6	+78		
.8	+76		
7	+83	+77	
.2	+78	+78	
.4	+78	+78	
.6	+82	+82	
.8	+79	+84	
8	+78	+80	
.2	+84	+81	
.4	+82	+82	
.6	+85	+81	
.8	+82	+84	

STATION	Z	AA	BB
9	+86	+79	+79
.2		+83	+81
.4		+82	+80
.6		+80	+82
.8		+79	+83
10		+84	+89
.2		+85	+89
.4		+84	+88
.6		+84	+87
.8		+84	+84
11		+88	+87
.2		+84	+89
.4		+84	+89
.6		+84	+87
.8		+88	+91
12		+80	+87

STATION	AA	BB	CC	DD	EE
12	+80	+87	+104		
.2	+82	+91	+107		
.4	+62	+89	+108		
.6	+81	+82	+103		
.8	+80	+87	+92		
13	+83	+90	+94	+100	
.2	+80	+89	+87	+100	
.4	+80	+84	+87	+98	
.6	+86	+88	+86	+99	
.8	+82	+86	+86	+102	
14	+90	+87	+86	+106	+107
.2	+81	+79	+88	+103	+107
.4	+84	+85	+96	+104	+107
.6	+86	+87	+97	+105	+113
.8	+82	+85	+84	+104	+109
15	+81	+87	+95	+101	+104
.2	+82	+83	+97	+97	+108
.4	+95	+83	+97	+99	+102
.6	+80	+80	+93	+97	+107
.8	+80	+81	+91	+99	+103

STATION DATA SHEET

STATION	AA	BB	CC	DD	EE	FF
16	+78	+83	+91	+100	+108	+113
.2	+80	+83	+94	+98	+107	+110
.4	+82	+76	+92	+91	+111	+101
.6	+85	+82	+92	+99	+104	+100
.8	+84	+84	+95	+93	+107	+100
17	+85	+88	+96	+91	+97	+110
.2	+75	+88	+96	+99	+107	+114
.4	+73	+87	+87	+96	+105	+106
.6	+93	+79	+91	+97	+102	+109
.8	+82	+87	+103	+98	+102	+114
18	+83	+91	+104	+98	+97	+110
.2		+90	+92	+98	+106	+107
.4		+89	+93	+83	+108	+113
.6		+87	+81	+98	+100	+106
.8		+93	+87	+108	+99	+107
19		+91	+96	+100	+101	+106
.2		+92	+98	+97	+101	
.4		+93	+101	+99	+108	
.6		+93	+98	+97	+96	
.8		+95	+96	+94	+97	
20		+97	+96	+100	+93	

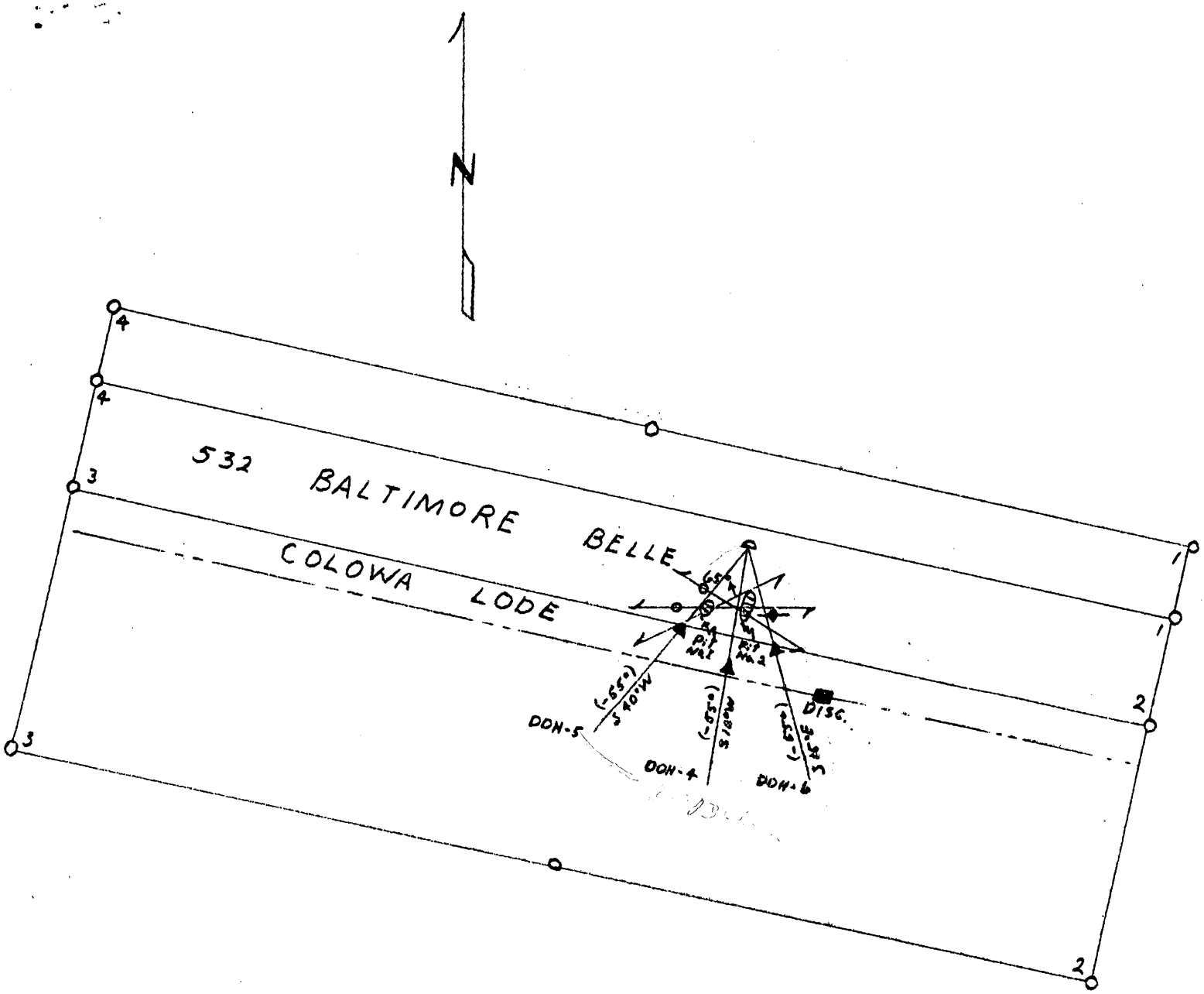
Miscellaneous Data

A+50 - 16	+28
B+50 - 16	+33
C+50 - 16	+16
D+50 - 16	-16
E+50 - 16	-1
F+50 - 16	-11
G+50 - 16	-16
H+50 - 16	-82
I+50 - 16	-91
J+50 - 16	-36
K+50 - 16	0
L+50 - 16	-18
M+50 - 16	+4
N+50 - 16	+2
O+50 - 16	+2
P+50 - 116	+12
Q+50 - 16	+20
R+50 - 16	+27
S+50 - 16	+30
T+50 - 16	+41
U+50 - 16	+48
V+50 - 16	+54
W+50 - 16	+64
X+50 - 16	+71
Y+50 - 16	+78
Z+50 - 16	+77

AA+50 - 16	+83
BB+50 - 16	+89
CC+50 - 17	+91
DD+50 - 17	+97
EE+50 - 17	+97

Check Stations

CC - 12.5	+108
CC - 13.5	+95
CC - 14.5	+95
BB.5 -13	+97
BB.5 -14	+99
BB.5-13.5	+98
BB - 12.5	+102
BB.5-12.5	+101
BB.5- 12	+97
CC.5- 13	+99
DD - 13.5	+99
CC.5- 14	+99
CC.5-13.5	+96



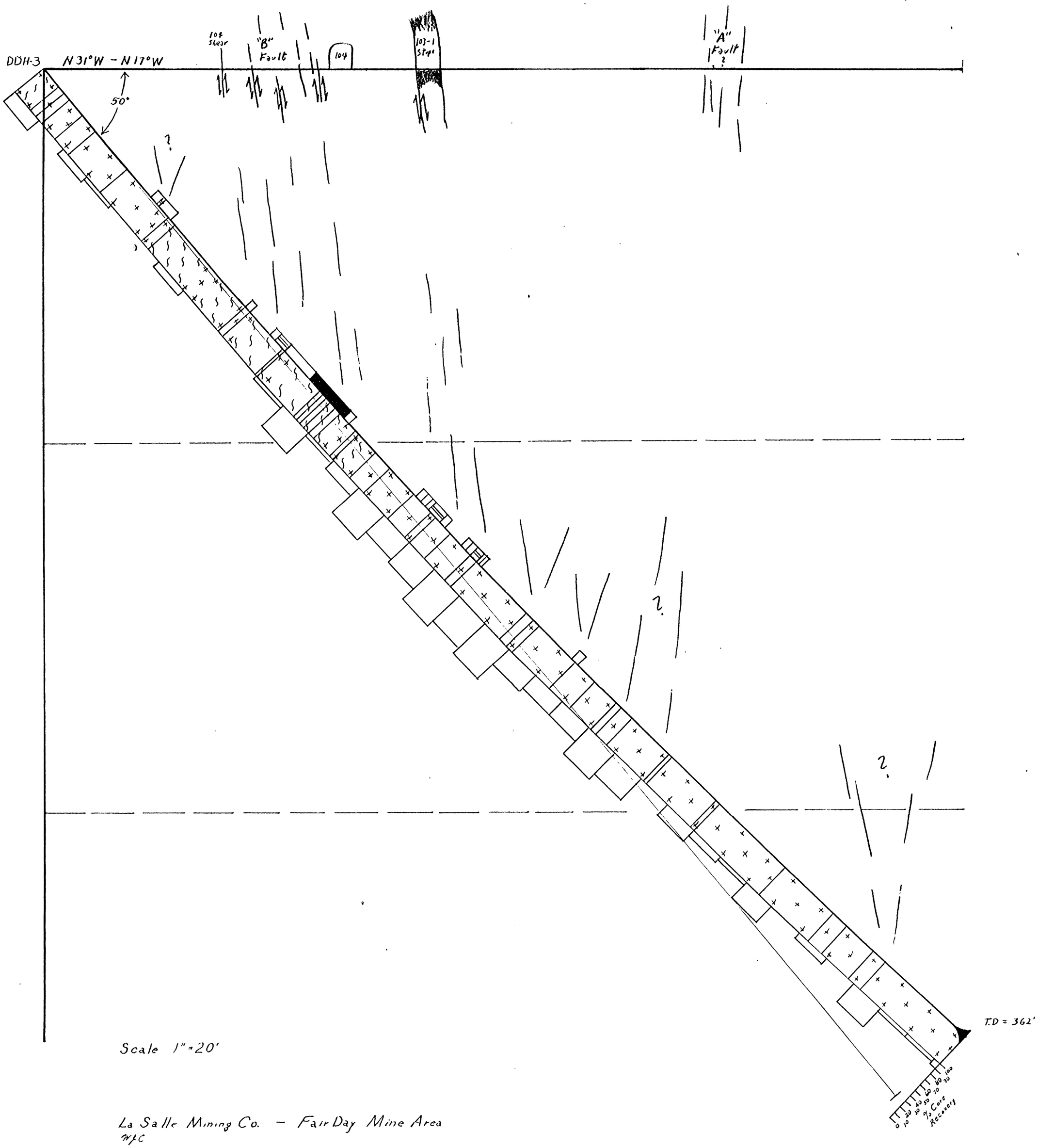
Scale 1"=200'
Completed Work (DMEA)
Date outlined in Red

La Salle Mining Co.
Baltimore Belle Area
Drill Map

Fig. 7

12/1/58 R.C.

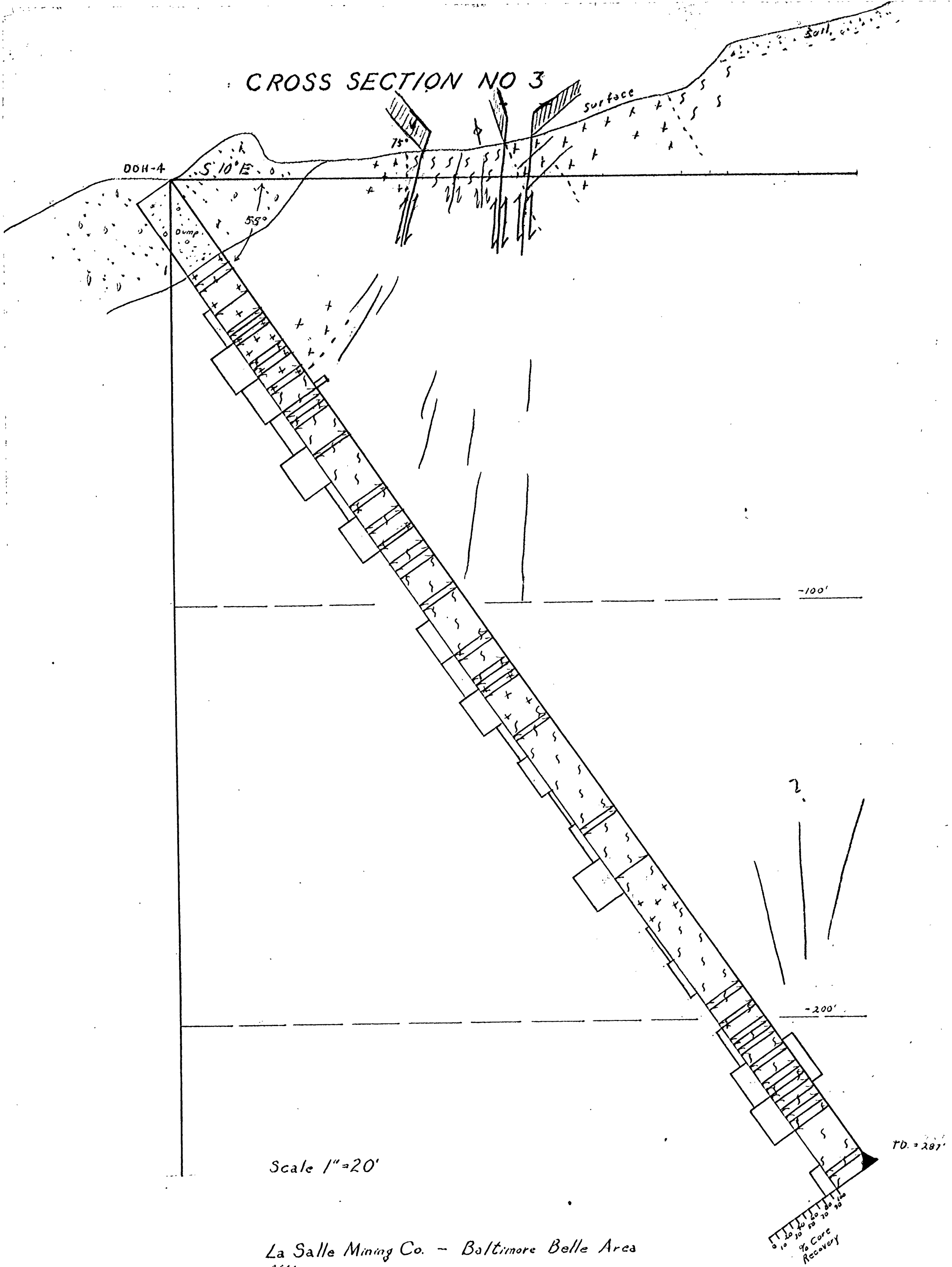
CROSS SECTION NO 2



Scale 1" = 20'

La Salle Mining Co. - Fair Day Mine Area
WJC

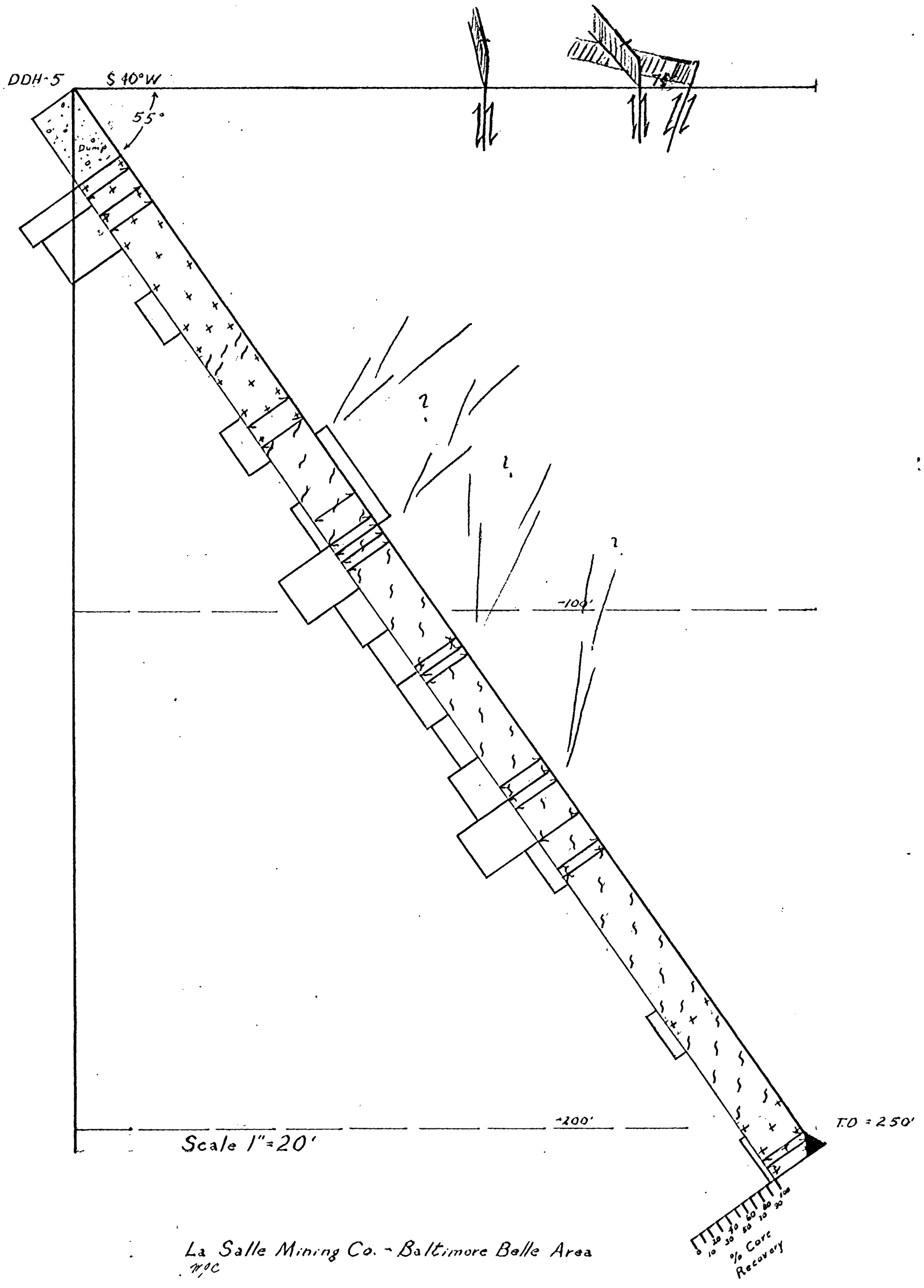
CROSS SECTION NO 3



Scale 1" = 20'

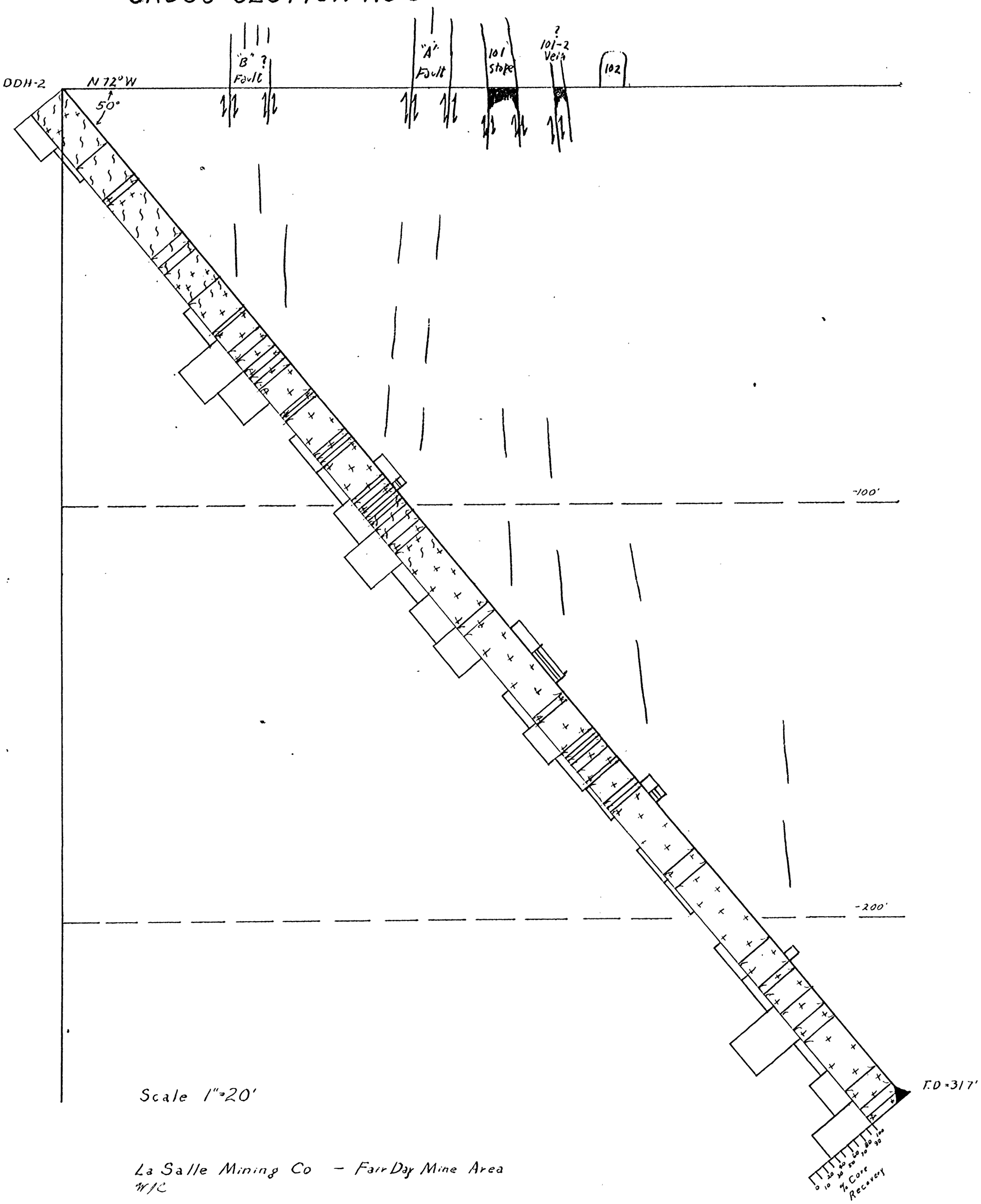
La Salle Mining Co. – Baltimore Belle Area

CROSS SECTION NO 4



La Salle Mining Co. - Baltimore Belle Area
W.O.C

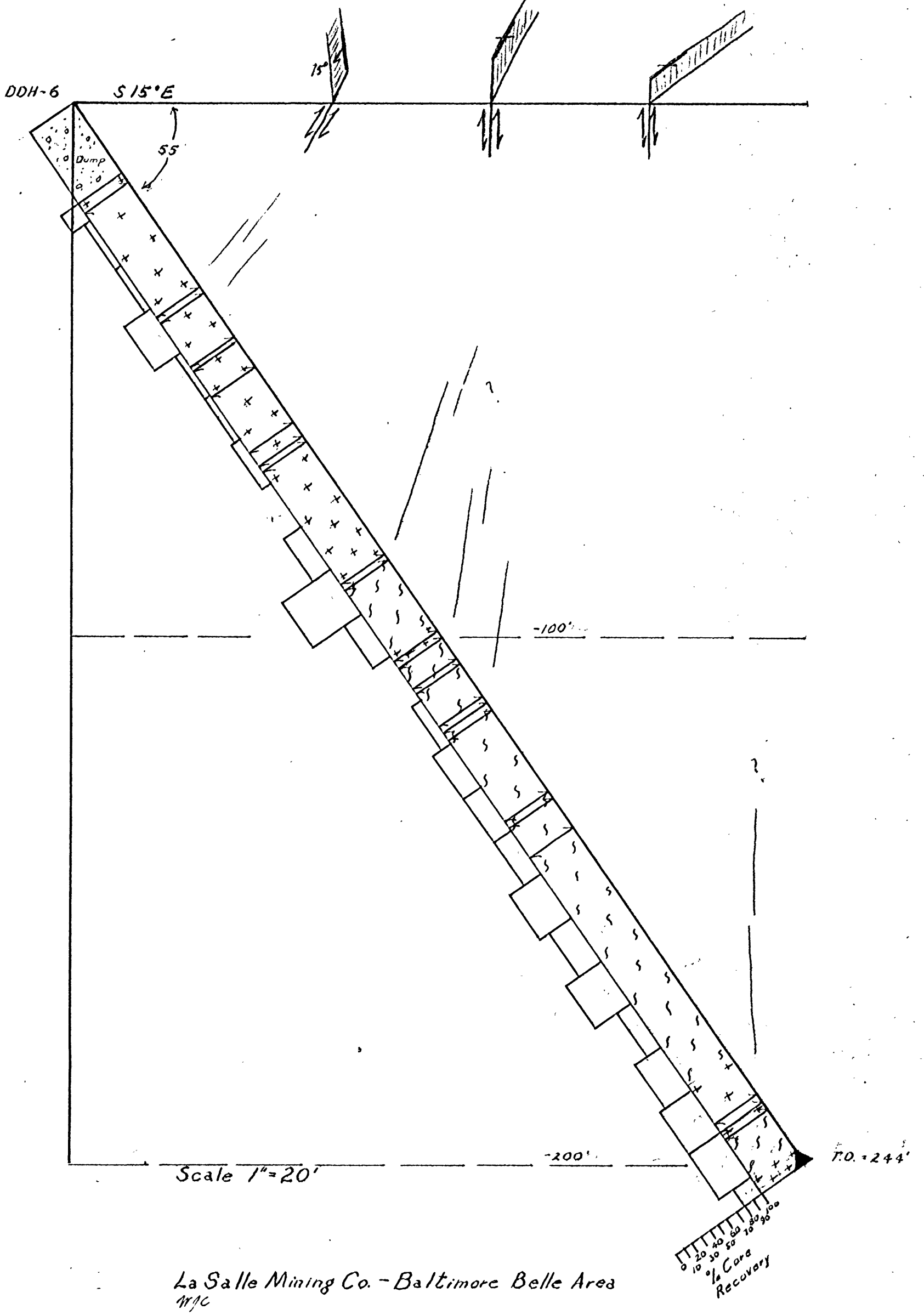
CROSS SECTION NO 5



Scale 1" = 20'

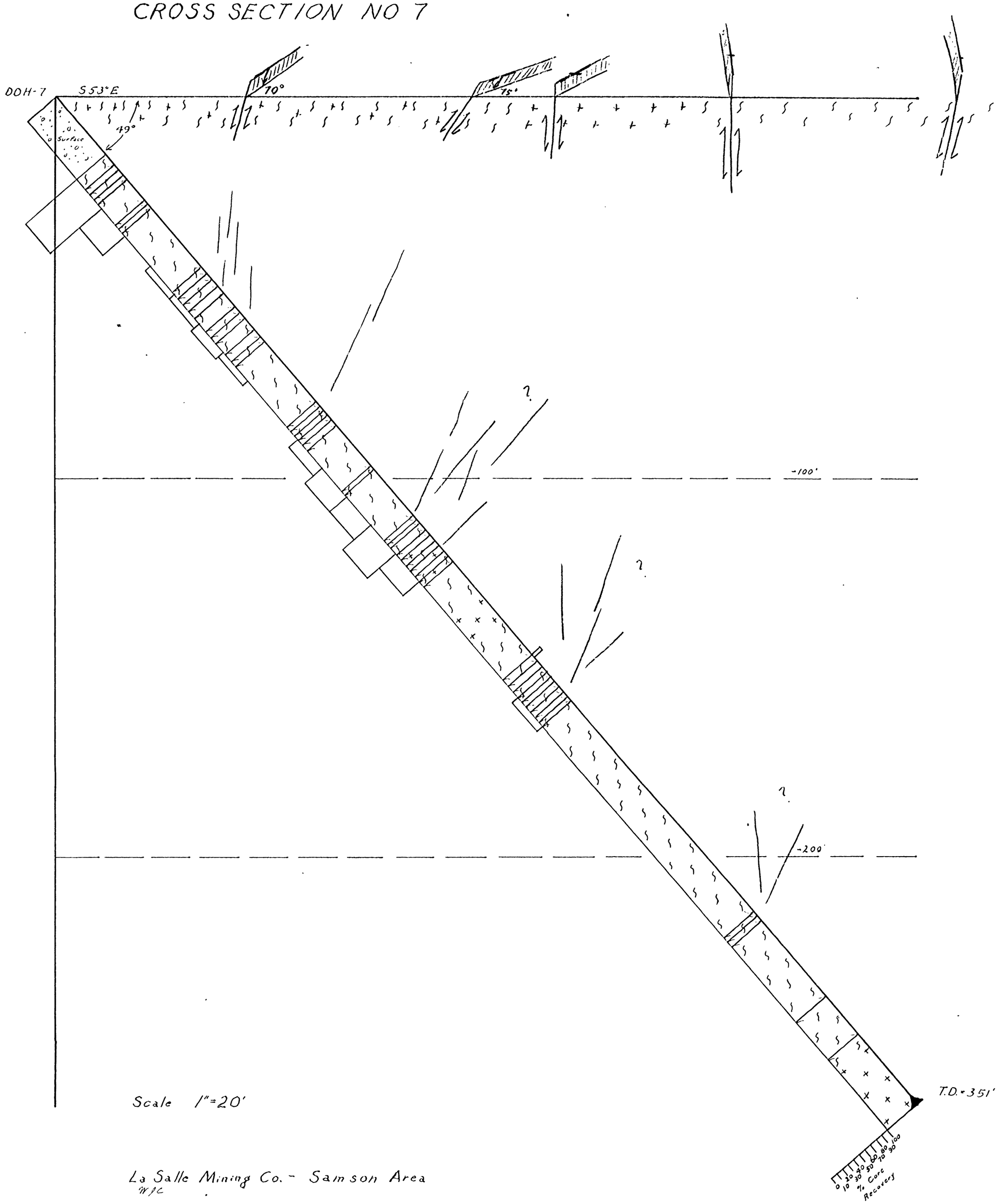
La Salle Mining Co – Fair Day Mine Area
W/C

CROSS SECTION NO 6



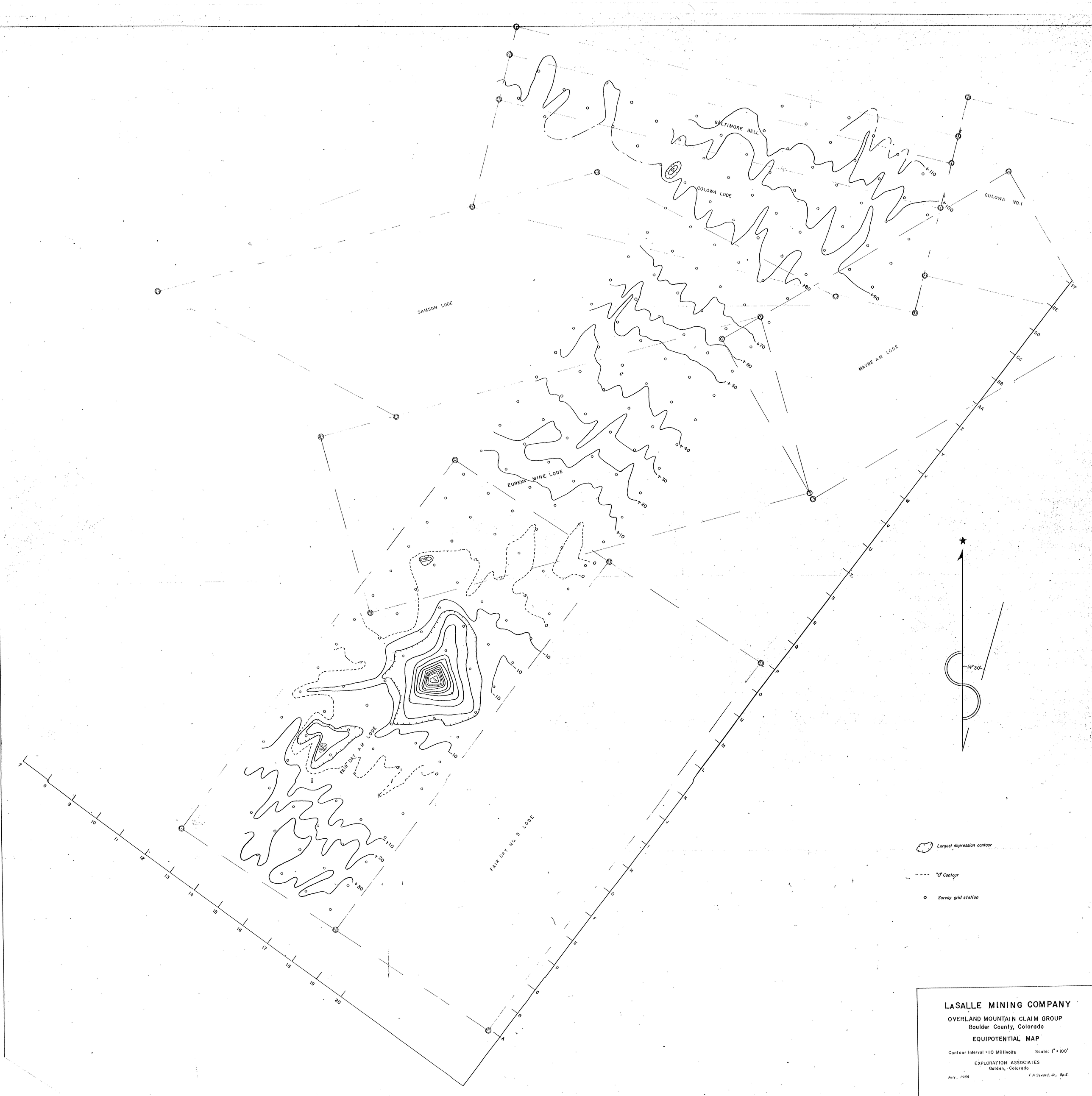
La Salle Mining Co. - Baltimore Belle Area
WJC

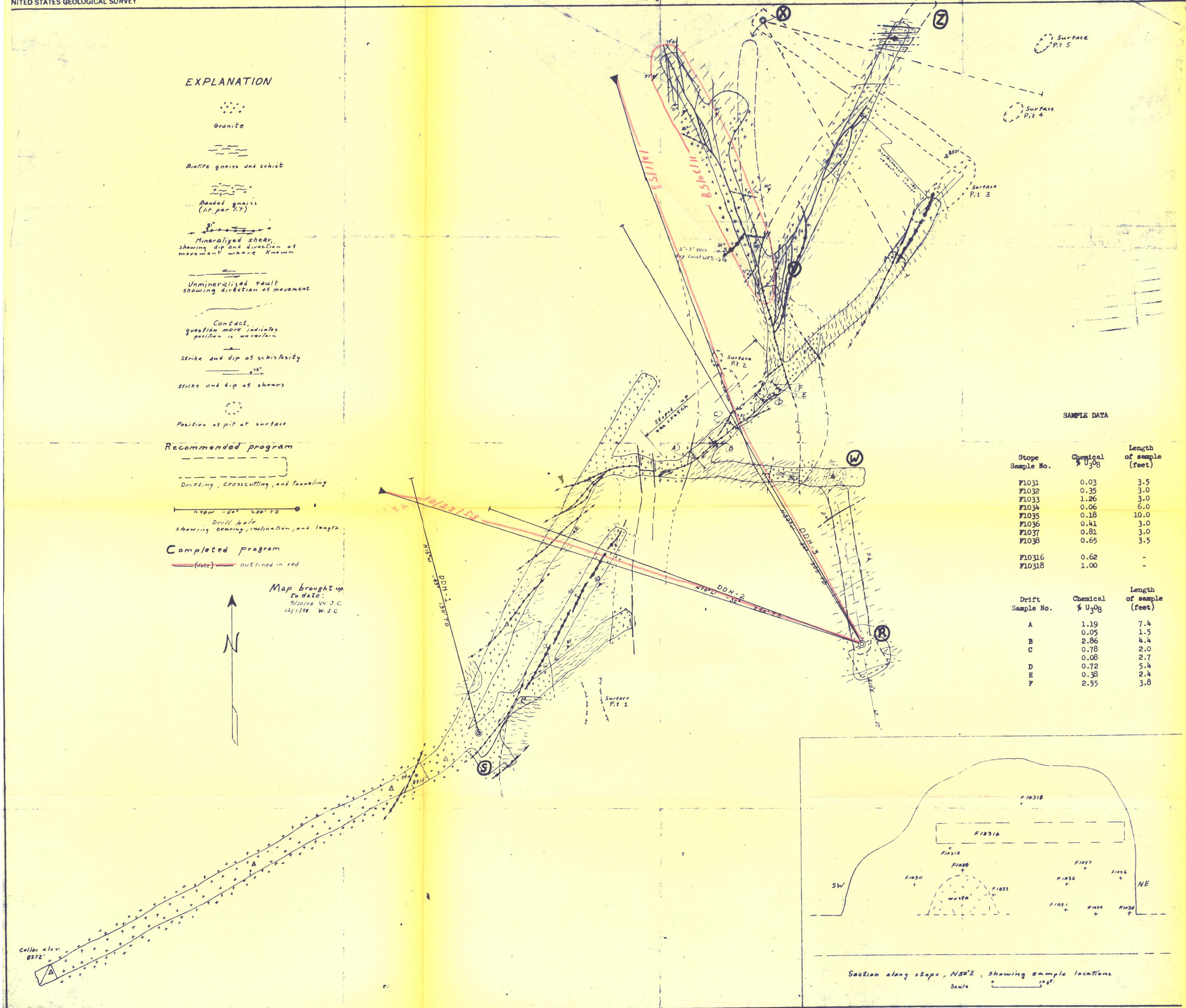
CROSS SECTION NO 7



Scale 1"=20'

La Salle Mining Co. - Samson Area
WJC


BALTIMORE BELL
COLOWA LODE
COLOWA NO. 1
SAMSON LODE
MAYBE AM LODE
EUREKA MINE LODE
FAIR DAY AM LODE
FAIR DAY NO. 3 LODE
+110
+100
+90
+80
+70
+60
+50
+40
+30
+20
+10
-10
14°30'
Largest depression contour
"d" Contour
Survey grid station
LaSALLE MINING COMPANY
OVERLAND MOUNTAIN CLAIM GROUP
Boulder County, Colorado
EQUIPOTENTIAL MAP
Contour Interval = 10 Millivolts
Scale: 1" = 100'
EXPLORATION ASSOCIATES
Golden, Colorado
July, 1958
F. A. Seward, Jr., Geo. E.



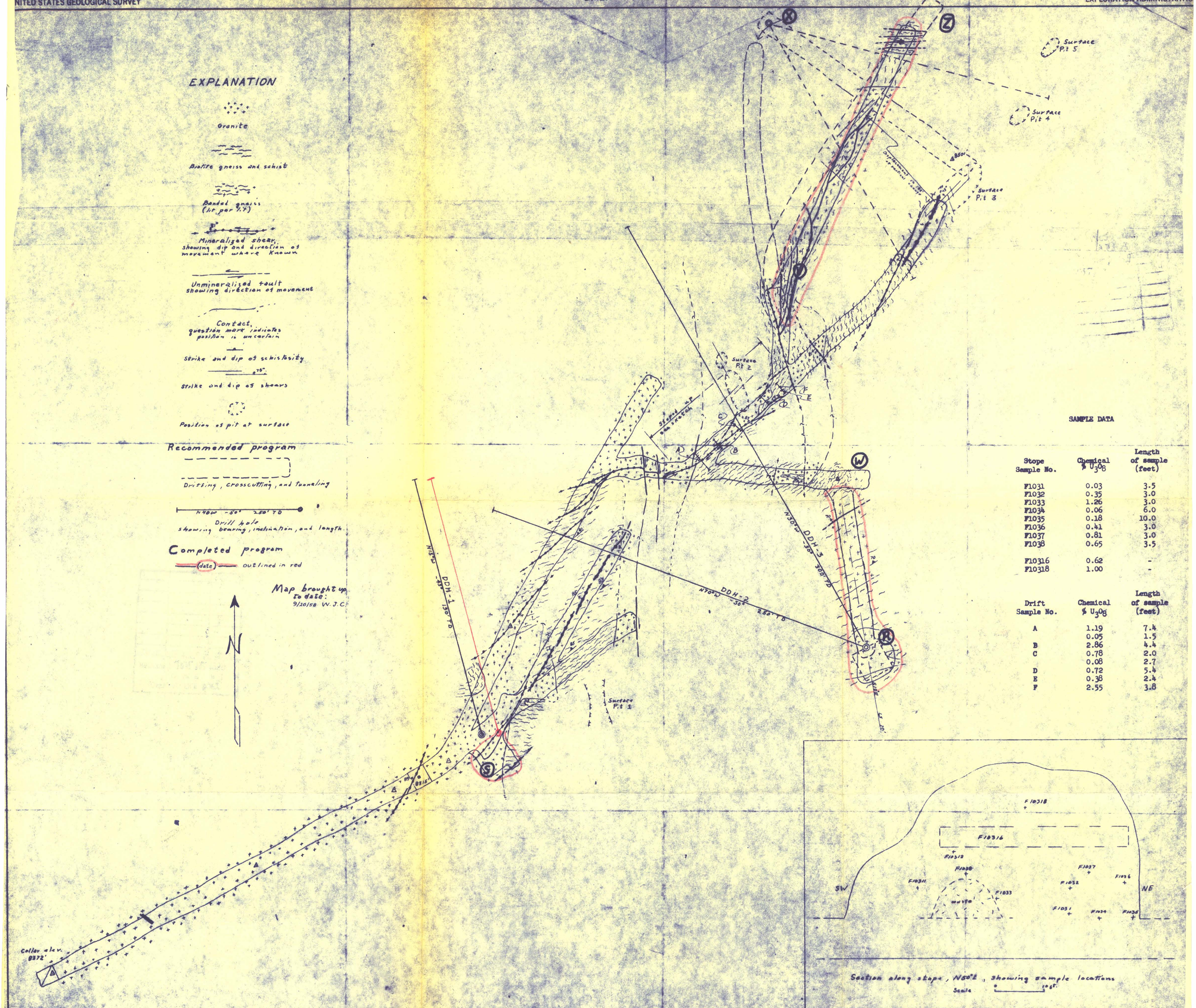
Stope Sample No.	Chemical % U_3O_8	Length of sample (feet)
F1031	0.03	3.5
F1032	0.35	3.0
F1033	1.26	3.0
F1034	0.06	6.0
F1035	0.18	10.0
F1036	0.41	3.0
F1037	0.81	3.0
F1038	0.65	3.5
F10316	0.62	-
F10318	1.00	-

Drift Sample No.	Chemical % U_3O_8	Length of sample (feet)
A	1.19	7.4
	0.05	1.5
B	2.86	4.4
C	0.78	2.0
	0.08	2.7
D	0.72	5.4
E	0.38	2.4
F	2.55	3.8

Taken from map of J. Schlottman - AEC.

Fig. 4 GEOLOGIC MAP OF FAIRDAY MINE SHOWING ASPECTS OF RECOMMENDED PROGRAM
LA SALLE MINING COMPANY, BOULDER CO., COLORADO, DMEA-4721

Sharp



SAMPLE DATA

Stope Sample No.	Chemical % U_3O_8	Length of sample (feet)
F1031	0.03	3.5
F1032	0.35	3.0
F1033	1.26	3.0
F1034	0.06	6.0
F1035	0.18	10.0
F1036	0.41	3.0
F1037	0.81	3.0
F1038	0.65	3.5
F10316	0.62	-
F10318	1.00	-

Drift Sample No.	Chemical % U_3O_8	Length of sample (feet)
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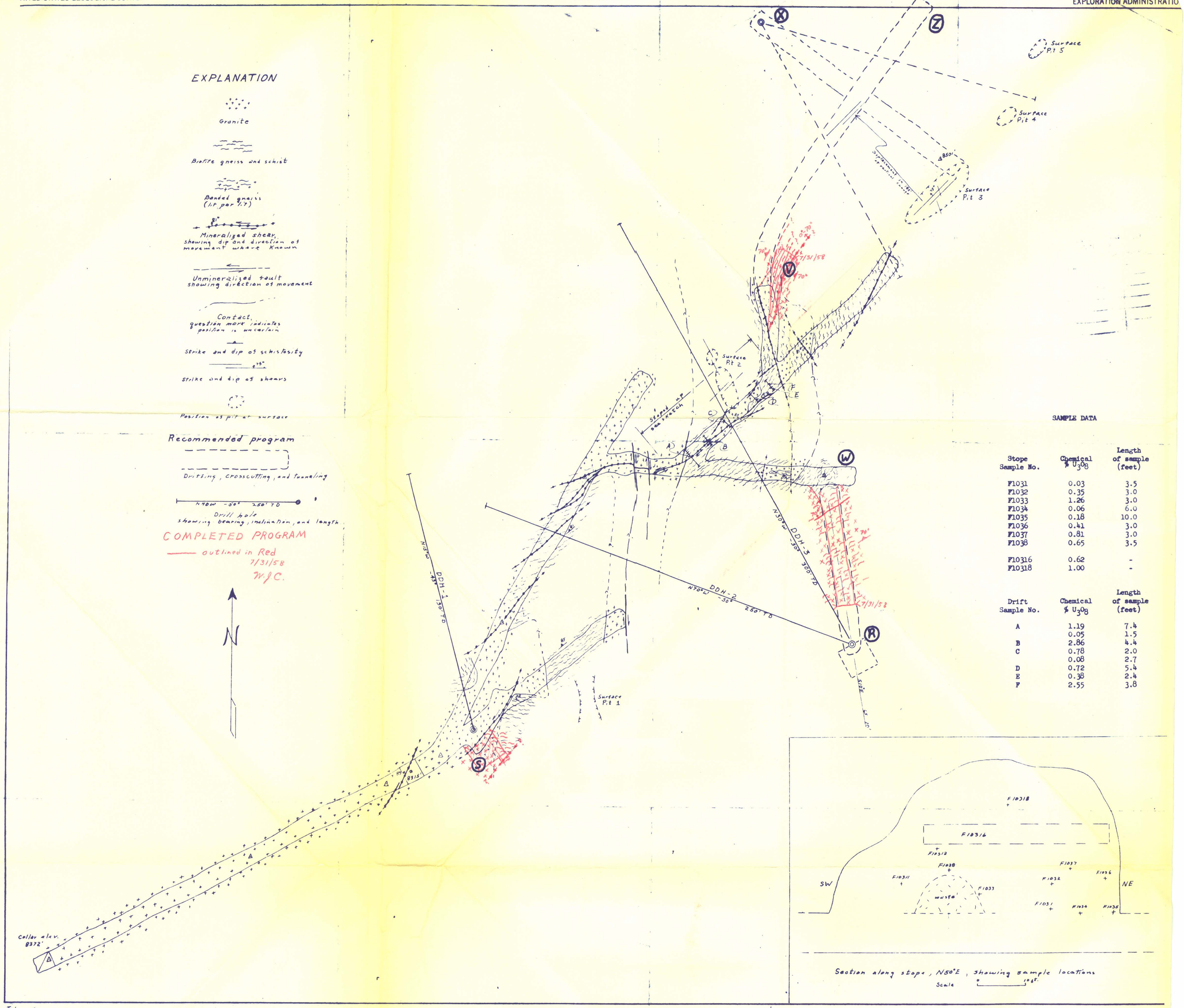
	0.05	1.5
B	2.86	4.4
C	0.78	2.0
	0.08	2.7
D	0.72	5.4
E	0.38	2.4
F	2.55	3.8

Section along stope, N50°E, showing sample locations
Scale 10 ft.

Taken from map of J. Schlottman - AEC.

Fig. 4 GEOLOGIC MAP OF FAIRDAY MINE SHOWING ASPECTS OF RECOMMENDED PROGRAM LA SALLE MINING COMPANY, BOULDER CO., COLORADO, DMEA-4721

Sharp



SAMPLE DATA

Stope Sample No.	Chemical % U_3O_8	Length of sample (feet)
F1031	0.03	3.5
F1032	0.35	3.0
F1033	1.26	3.0
F1034	0.06	6.0
F1035	0.18	10.0
F1036	0.41	3.0
F1037	0.81	3.0
F1038	0.65	3.5
F10316	0.62	-
F10318	1.00	-

Drift Sample No.	Chemical % U_3O_8	Length of sample (feet)
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D	0.72	5.4
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F	2.55	3.8

Taken from map of J. Schlottman - AEC.

Fig. 4 GEOLOGIC MAP OF FAIRDAY MINE SHOWING ASPECTS OF RECOMMENDED PROGRAM
LA SALLE MINING COMPANY, BOULDER CO., COLORADO, DMEA-4721

Sharp

20 10 0 20 40 60 feet

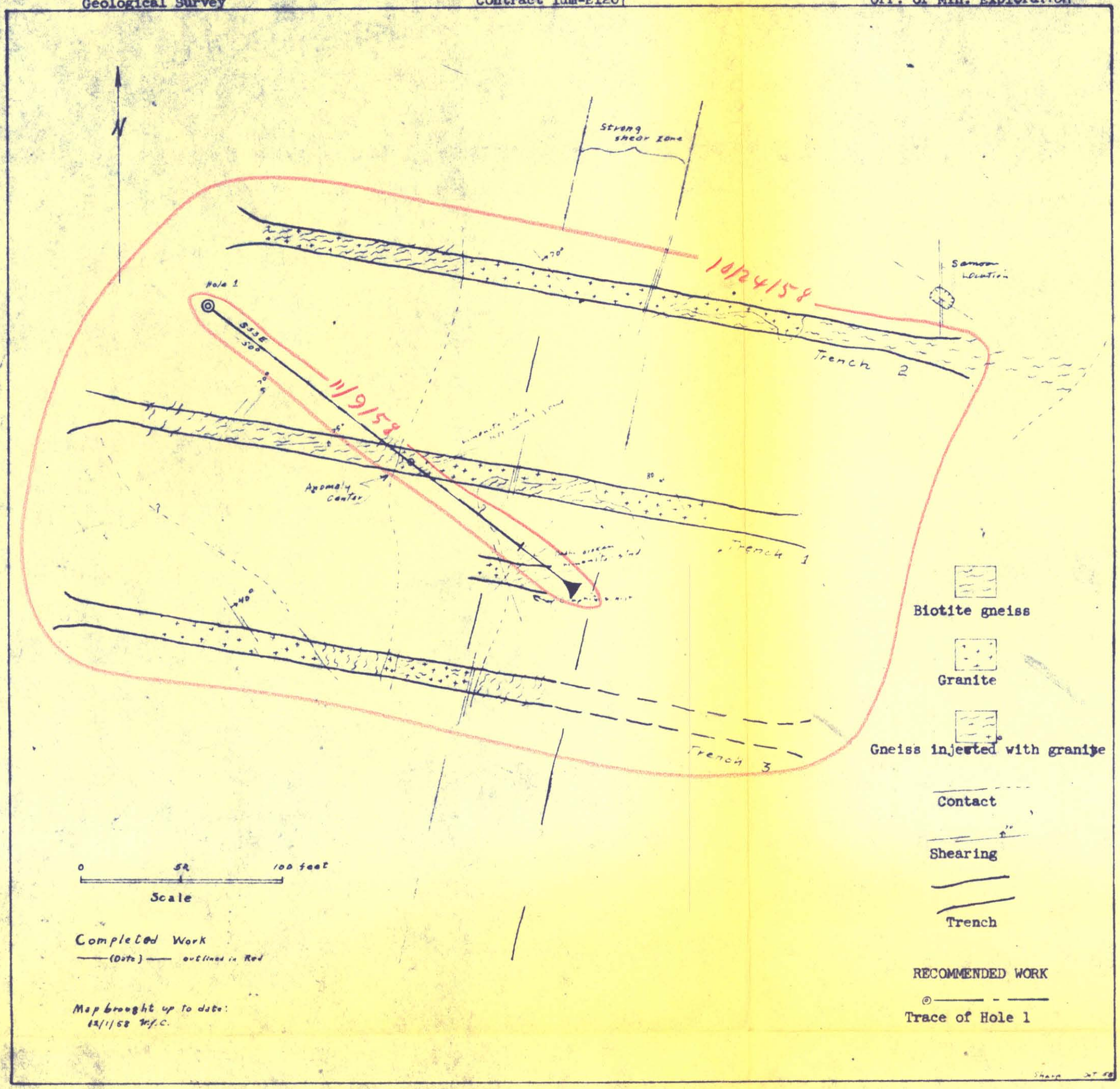
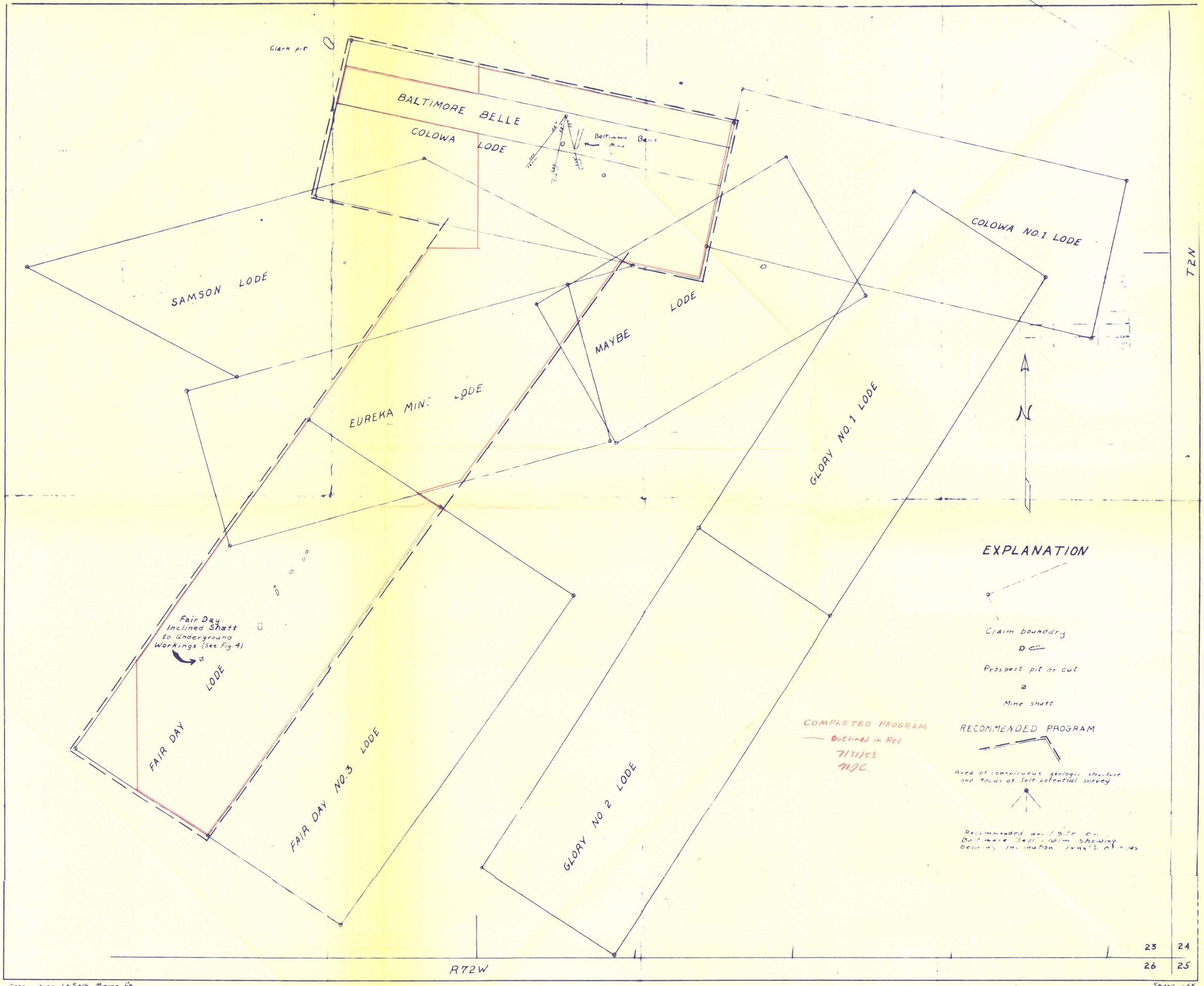


Fig. 2 GEOLOGIC SKETCH OF S.P. ANOMALY TRENCHES SHOWING RECOMMENDED DRILL HOLE 1
FAIR DAY GROUP , BOULDER COUNTY, COLORADO

La Salle Mining Co. Fig. 6
W.F.C.



Taken from La Salle Mining Co. Claim map

Sharp - 58

Figure 3 CLAIM MAP SHOWING ASPECTS OF RECOMMENDED PROGRAM
LA SALLE MINING COMPANY, BOULDER CO., COLORADO DMEA-4721