MME FORM 6 REFERENCE SLIP
REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. 700		
2.		
3.		
4.		
5.		
FROM: G. Ault, 220	5/20	

FOR: Check items for action desired

____ Action ____ Reply for signature of ____
____ Approval ____ Investigate ____ Surname
____ Comment ____ Recommendations ____ Signature
____ Conference ____ Rewrite ____ File
____ Instructions ____ Your information

REMARKS:

1 set was recd. on 5/15/59 for same period, and routed thru 110 to 700.
Today 2 more sets came in; 1 set sent to 800, and this copy should be held by Division in the event the Region requests its return.

O.K.
Fmay

INT.-DUP. SEC., WASH., D.C. M50943

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.

Teton Exploration Drilling Co.

Client: KANTER-LEVY COMPANY

Location: CAVE LINE, ETC. CLAIMS

Date Probed: 3-8-59

Hole No.: T-1-1 Depth: 199 ft.

Scales: 1K, 10K

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MAY 15 1900
O.M.E.

US CO., INC., INDIANAPOLIS, IND., U. S. A. E. S. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

MAY 15 1956
O.M.E.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.

43

MAY 15 1950
O.M.E.

Teton Exploration Drilling Co.

Client [illegible]

Location [illegible]

Date Probed 3-9-59

Hole No. T-2-4 Depth 203

Scales 1-K

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MAY 15 1969
O.M.E.

U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V
MADE IN U.S.A. THE ESTERLINE-ANG

MAY 15 1959
O.M.E.

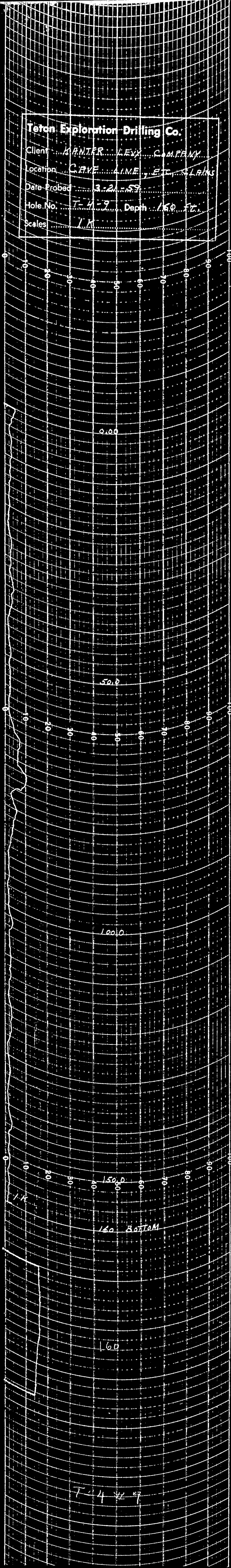
RT No. 4313-V
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANA
S CO., INC., INDIANAPOLIS, IND., U. S. A. E. S. THE ESTERLINE-ANGUS CO., INC., INDIANA

LIS, IND., U. S. A. CHART NO. 4313-V
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.

MAY 15 1959
O.M.E.

313-V
Teton Exploration Drilling Co.
Client
Location
Date Probed
Hole No.
Depth
Scales
0.00
50.0
100.0
150.0
197 Bottom
T-2-5
MADE IN U. S. A.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
THE ESTERLINE-ANGUS CO., INC., INDIANA

MAY 15 1959
O.M.E.



MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MAY 15 1959
O.M.E.

Teton Exploration Drilling Co.

Client KAMER LEVY COMPANY

Location CAVE LIVE, ETC. CLAIMS

Date Probed 3-20-59

Hole No. T-4-10 Depth 201 FT.

Scales 1K

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

MAY 15 1959
O.M.E.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART No. 4313-V MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDI

MAY 15 1959
O.M.E.

ANAPOLIS, IND., U. S. A. E. S. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V MADE IN U. S. A. THE ESTE

MAY 15 1953
O.M.E.

NGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V
MADE IN U.S.A.

MAY 15 1959
O.M.E.

Teton Exploration Drilling Co.
Client RANGER LEX COMPANY
Location CAVE LINE, ETC. CLAIMS
Date Probed 3-21-59
Hole No. T-5-14 Depth 193 FT.
Scales 1K
0.00
50.0
100.0
150.0
193 BOTTOM
193
T-5 #14
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MAY 15 1959
O.M.E.

Teton Exploration Drilling Co.
Client KRAMER LEVY COMPANY
Location CAVE LINE ETC CLAIMS
Date Probed 3/19/79
Hole No. T-6 #15 Depth 199
Scales 1:K
0.00
50.0
100.0
150.0
199 Bottom
T-6-15
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.
CHART NO. 4313-V
E.S.

Teton Exploration Drilling Co.

Client KANTER LEVY COMPANY

Location CAVE LINE ETC. CLAIMS

Date Probed 3/19/59

Hole No. T-6 #16 Depth 198

Scales 1-K

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

MAY 15 1959
O.M.E.

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

Administrative Audit Difference Statement

Date: ~~May 12, 1959~~
Payee's
Reference: ~~March & April 1959~~

Kenter-Levy Co.
c/o Oppenheimer & Co.
25 Broad Street
New York 4, N.Y.

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

Amount Claimed $ ~~12,676.02~~

Difference $ ~~3,029.02~~

Amount Approved $ ~~9,647.00~~

The reason for the difference was due to:

Disallowed, Chemical Analyses

The contract provides for a maximum allowable unit cost of $3.50 per sample analyzed. A unit cost of $5.00 per sample is reported on Forms MF-104 and MF-104A. The excess cost is disallowed as follows:

Reported cost, 4 samples analyzed at $5.00/Spl------	$ 20.00
Allowable cost, 4 samples analyzed at $3.50/Spl-----	14.00
Amount disallowed	$ 6.00

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot,

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

Very sincerely yours,

N. E. Stokes
Audit Section

EXTRA COPY
O. M. E.
RECEIVED MAY 20 1959

DATE	INITIALS	CODE
		700

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

therefore the excess cost is suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage 1 drilling costs may fall below the maximum allowable average unit cost.

Amount reported, 3322 feet at total cost of----------	$11,826.22
Allowable cost, 3322 feet at $2.65 per foot----------	8,801.30
Excess cost suspended	$ 3,025.02

Amount disallowed	6.00
Amount suspended	$3,025.02
Total Deductions	$3,029.02

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

224 New Customhouse
Denver 2, Colorado
May 12, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4849 (Uranium) Contract Ida-E1173
Hunter-Levy Company, (Cave Lime et al. claims)
Big Horn County, Wyoming - Operator's Monthly Progress
Report for the period March - April, 1959

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.

Disallowance, Chemical Analyses

The contract provides for a maximum allowable unit cost of $3.50 per sample analyzed. A unit cost of $5.00 per sample is reported on Forms MF-104 and MF-104A. The excess cost is to be disallowed as follows:

Reported cost, 4 samples analyzed at $5.00/Spl------	$ 20.00
Allowable cost, 4 samples analyzed at $3.50/Spl-----	14.00
Amount to be disallowed----------	$ 6.00

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot, therefore the excess cost is to be suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage I drilling costs may fall below the maximum allowable average unit cost.

Amount reported, 3322 feet at total cost of---------	$11,826.32
Allowable cost, 3322 feet at $2.65 per foot---------	8,803.30
Excess cost to be suspended----------	$ 3,023.02

Withhold an amount of $500.00 from reimbursement to the Operator pending resumption of work under the contract. If work under the contract is not resumed, 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 MF-104 for the period March - April, 1959

Amount reported on Form MF-104 for March-April, 1959		$12,676.85
Amount to be disallowed	$ 6.00	
Amount to be suspended	3021.08	
Total Reductions		3,029.08
Acceptable cost for March and April, 1959		$9,647.85
Government participation at 75 percent		$7,235.85
Amount to be withheld		500.00
Balance due the Operator		$6,735.85

Remarks:

Date of Report ---------- May 5, 1959
Date Received in Field Office ---------- May 8, 1959
Date Received in Region Office ---------- May 11, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JDC:bmh

cc: Chem. Op. Comm. (2)
Marshall, OMM/DPC
MF-104 file, Reg. III
Harshman) w/copy Engr's
Cooper) Report
Charon

OME
DEPARTMENT OF THE INTERIOR

MAY 11 1959
REGION III
DENVER, COLORADO

May 11, 1959

Memorandum

To: Executive Officer, OME

From: M. H. Marshall

Subject: DMKA 4849, Contract Idm-R1173 - Kanter-Levy Company, Big Horn County, Wyoming - Progress report for March - April 1959

Enclosed are the original and four copies of Forms MF-104 and MF 104A with the required supporting data for March-April 1959.

The results of work reported for which reimbursement is claimed was inspected May 11, 1959. Except for the following, recommendation is made for reimbursement of 75 percent of the reported costs:

Disallowance - Chemical analyses

The contract provides for analysis of 40 Stage I samples for U_3O_8 at $3.50 per sample. The invoiced cost for analysis of 4 samples was at $5.00 per sample therefore is in excess of contract provisions.

Disallow		
Reported cost for 4 analysis at $5.00 each	$20.00	
Acceptable cost for 4 analysis at $3.50 each	14.00	
Excess costs to be disallowed		$6.00

Suspension - Drilling costs

The contract provides for drilling 30 holes, 6120 feet at $2.65/ft. Reported costs for drilling 17 holes are $11,826.32 at $3.56/ft. Inasmuch as the reported cost per foot of drilling is in excess of the allowable maximum for the item of work it is recommended that the cost for drilling in excess of $2.65/ft. be suspended.

Suspend

Reported costs for 3322 ft. drilling at $3.56/ft.	$11,826.32	
Allowable cost for 3322 ft. drilling at $2.65/ft.	8,803.30	
Excess to be suspended		$3,023.02
Total deductions		$3,029.02

Reconciliation

Amount reported on form MF-104 for March-April 1959	$12,676.82
Amount recommended for deduction	3,029.02
Total acceptable cost for March-April 1959	$9,647.80
Government participation at 75 percent	$7,235.85

M. H. Marshall
Mining Engineer

Milton H Marshall

MHM/mw
cc: 6
Idm-E1173
chron

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 1

MARCH, 1959

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

Budget Bureau No. 42-R1035.5

MAY 20 1959
O.M.E.

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

Month of March & April, 1959 Docket No. DMEA 4849 Contract No. 1 dm - E 1173
Operator's Name Kanter-Levy Company Minerals Uranium
Address 928 North Bond Road, Cincinnati, Ohio
Contract Amount, $ 41,240.00 Government Participation: 75 % Amount, $ 30,930.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
Stage I	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	11,826.32		$11,826.32			
Bulldozing	-		-			
Gravimetric & levelling survey		6,557.12	6,557.12			
~~Crosscutting~~						
Drifting						
Incidental Allowances	830.50		830.50			
(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	20.00		20.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$12,676.82	$6,557.12	$19,233.94	9647.80	4421.96	14,069.76

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

Date 5-5-59 *Payee Kanter-Levy Company

Per Richard K. Lisco (signature) Richard K. Lisco Title Agent

*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:

$6735.85

Signature (Authorized Certifying Officer)

Date 5/13/59 Vou. No. OME 59-107

(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. E 1173 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 5/11/59

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

Signature [illegible] Title Executive Officer Date MAY 12 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.

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 2

MARCH, 1959

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAY 20 1959
O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March & Apr. 1959 Docket No. DMEA 4849 Contract No. ~~1 dr - 3~~ 1173
Operator's Name Kanter-Levy Company Minerals Uranium
Address 928 N. Bend Road, Cincinnati, Ohio

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								
Gravimetric & leveling survey	Sta	-	-	$6,557.12	974	$6.732	1,000	$ 4.54
~~Drifting~~ Non-core drlg	ft.	11,826.32	3,322	$11,826.32	3,322	$3.56	6,120	$ 2.55
~~Crosscutting~~ Standby time	hr	-	-	-	-	-	20	$15.00
~~Raising~~ Bulldozer time	hr	-	-	-	-	-	30	$12.50
~~Shafts~~ Chemical Anal.	ea.	20.00	4	$20.00	4	$5.00	40	$ 3.50
~~Winzes~~ Incidental Allow.	ft.	830.50	3,322	$830.50	3,322	$0.25	6,998	$ 0.25
Drilling: Core Set up to deepen $10.22	hole	-	-	-	-	-	3	$15.00
Drilling: Auger 278' in $3.10. 22.25	ft.	-	-	-	-	-	278	$ 2.65
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		12,676.82		$19,233.94				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		12,676.82		$19,233.94				

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:

Date 5-5-59 Operator Kanter-Levy Company
Per Richard K. Lisco Title Agent

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

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 3

MARCH, 1959

NARRATIVE REPORT
No. 2

On March 6, 1959, two drilling units of Teton Exploration Drilling Company, Inc., commenced drilling the 17 "primary target" holes under the provisions of Stage 1, Phase 2 of the captioned contract as amended by Amendment No.1. The drilling was completed on these initial 17 holes on March 21, 1959. Completed holes are blacked in on the accompanying map.

The purpose of this drilling was to explore for uranium ore deposits in the Mission Canyon member of the Madison limestone formation by rotary drilling. The results of the drilling verified a successful application of the gravity meter in picking porosity zones. However, the degree of mineralization encountered in the initial 17 holes was meager.

All samples of this drilling that were recovered have been properly marked and are being stored in the camp located on the property.

Four samples were assayed from the cuttings recovered from the initial 17 holes, the results of which are tabulated below.

		Lab Radiometric	Chemical Assay
HOLE NO. T-1-1			
Sample depth interval	30-32	0.03	0.05
	32-34	0.04	0.06
	34-36	0.03	0.04
HOLE NO. T-4-12			
Sample depth interval	90-92	0.02	0.04

In the interpretation of the accompanying radiometric logs a full scale reading on the 10 K scale with the instrument calibrated at 14 is equal to 0.60 for equilibrium ores. The peak reading on log T-1-1 at a depth of 35 feet is 0.31%. The anomaly itself would be interpreted as approximately 6 inches of 0.20%. From the samples recovered and the "feel" in the drilling of this hole it would seem that a filled solution cavity existed above the mineralized zone but not in it.

KANTMR-LEVY COMPANY

By Richard K. Lisco
Richard K. Lisco (Agent)

HOLE NO. T-1-1
Completed 3/6/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, silty red-orange
4 - 8	ls, yellow iron staining
8 - 10	ls, yellow and red
10 - 20	ls, limonitic
20 - 28	ls, vuggy, chert str., gyp. coating
28 - 38	ls, light tan
38 - 50	ls, light grey to tan, chert str.
50 - 60	ls, light tan
60 - 66	ls, light grey
66 - 72	ls, reddish brown, crystal faces of gyp. in fractures
72 - 88	ls, light grey
88 - 92	ls, chunky fractured, chert str.
92 - 96	ls, brownish red
96 - 100	ls, fine xlln, yellow to tan
100 - 108	ls, yellow to brown, abundant limonitic staining
108 - 126	ls, fine xlln, light tan
126 - 132	ls, fine xlln, grey to white
132 - 162	ls, medium xlln, light tan
162 - 168	ls, medium xlln, grey to white
168 - 178	ls, fine xlln, chert str.
178 - 180	ls, coarse xlln
180 - 200	ls, medium xlln, chert str.
200	total depth of hole

ls - limestone
gyp - gypsum

xlln - crystalline
str. - stringer

HOLE NO. T-1-2
Completed 3/6/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 10	ls, coarse xlln, fractured, red stain
10 - 18	ls, medium to coarse xlln, chert str., light red staining
18 - 24	ls, medium to coarse xlln, chert str., grey
24 - 30	ls, medium to fine xlln, light pink to red
30 - 42	ls, medium to coarse xlln, pink to dark red, crystal faces of gyp. in fractures
40 - 42	open cavity
46 - 48	open cavity, no further recovery of samples
200	total depth of hole

Blind Results

40 - 42	soft, no return, fill material
42 - 46	ls, hard, chert str.
46 - 48	soft, fill material, probably some clay
48 -150	ls, hard
150-200	ls, soft

HOLE NO. T-2-3
Completed 3/9/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 20	ls, medium to coarse xlln, tan to light pink, chert str.
20 - 22	ls, dark red, some clay (filled solution cavity)
22 - 40	ls, medium to coarse xlln, chert str., grey to light tan
40 - 44	ls, light tan to yellow, grey chert str.
44 - 52	ls, grey to white
52 - 54	ls, light lavender tinge
54 - 66	ls, medium xlln, chert str.
66 - 70	open cavity, no further recovery of samples
200	total depth of hole

Blind Results

70 - 94	soft, fill material, probably some clay
94 - 98	ls, hard, chert str.
98 -108	ls, soft
108-145	ls, hard
145-190	ls, soft
190-200	ls, hard

HOLE NO. T-2-4
Completed 3/9/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	ls, coarse fractured, light red stain
4 - 8	ls, light grey, chert str.
8 - 14	ls, light pink to brown
14 - 20	ls, light grey, chert str.
20 - 24	ls, very fine xlln, white gyp. crystals
24 - 28	ls, coarse xlln, massive chert str.
28 - 42	ls, light grey, chert str.
42 - 44	ls, lavender, chert str.
44 - 54	ls, fine xlln, grey
54 - 75	ls, coarse xlln, light tan to grey, chert str.
75 - 91	open cavity, no further sample recovery
205	total depth of hole

Blind Results

75 - 91	open cavity
91 -104	ls, hard
104-109	soft, fill material
109-142	ls, hard
142-158	ls, soft
158-205	ls, hard

HOLE NO. T-2-5
Completed 3/7/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 6	ls, dark red staining
6 - 16	ls, light grey, some limonite stained str.
16 - 22	ls, grey with dark grey chert str.
22 - 28	ls, coarse xlln, reddish brown to limonite staining
28 - 34	ls, grey white
34 - 42	ls, light red to brown
42 - 56	ls, grey white
56 - 70	open cavity, no further sample recovery
200	total depth of hole

Blind Results

56 - 70	open cavity
70 - 90	soft, fill material
90 - 95	ls, hard
95 -110	ls, soft
110-200	ls, hard

HOLE NO. T-2-6
Completed 3/11/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, red
2 - 10	ls, coarse xlln, grey with 5% dark red str.
10 - 26	ls, grey white
26 - 32	ls with some clay, red to dark red
32 - 40	ls, grey white
40 - 44	ls, light tan to brown, chert str.
44 - 52	ls, grey white
52 - 54	ls, light tan
54 - 85	ls, grey white
85 - 92	open cavity, no further sample recovery
97 - 99	open cavity
110 - 112	open cavity
200	total depth of hole

Blind Results

85 - 92	open cavity
92 - 95	soft, fill material
95 - 97	ls, hard
97 - 99	open cavity
99 -100	soft, fill material
100-110	ls, hard
110-112	open cavity
112-200	ls, hard

HOLE NO. T-2-7
Completed 3/18/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 14	ls, yellow, abundant limonitic stain
14 - 20	ls, yellow, limonitic with str. chert
20 - 42	ls, yellow grading to light yellow, limonitic stain
42 - 86	ls, light tan
86 - 90	ls, grey white
90 - 132	ls, light grey
132 - 150	ls, fine xlln, red grading to light tan
150 - 204	ls, light tan
204 - 210	ls, fine xlln, grey white
210	total depth of hole

HOLE NO. T-2-8
Completed 3/10/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 12	ls, light yellow to orange, limonitic
12 - 27	ls, grey white
27 - 32	ls, light yellow
32 - 70	ls, grey white
70 - 80	ls, light tan
80 - 94	ls, grey white
94 - 138	ls, grading from yellowish orange to light tan.
138 - 168	ls, grey white
168 - 198	ls, light tan
198 - 200	ls, grey white
200	total depth of hole

HOLE NO. T-4-9
Completed 3/20/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 8	ls, light pink staining
8 - 30	ls, coarse xlln, red to pink, str. chert
30 - 38	ls, grey to white
38 - 40	ls, fine xlln, pink
40 - 45	ls, coarse xlln, grey white
45 - 52	ls, coarse xlln, grey white, chert str.
52 - 58	ls, medium to fine xlln, grey to tan
58 - 63	ls, tan to yellow, limonitic
63 - 88	open cavity, no further sample recovery
164	total depth of hole

Blind Results

63 - 88	open cavity
88 - 92	ls, hard
92 - 96	ls, loose rock and fill
96 -101	ls, hard
101-102	fill
102-105	ls, hard
105-107	fill
107-110	ls, hard
110-113	ls, soft
113-115	ls, hard
115-131	ls, soft
131-164	ls, hard

HOLE NO. T-4-10
Completed 3/17/59

Re: Docket DMMA - 4849 (Uranium)

GEOLOGIC LOG

0 - 6	alluvium, silty, red
6 - 32	alluvium, silty dark red (reworked Amsden filling solution cavity in Madison)
32 - 36	ls, coarse xlln, pink massive chert str.
36 - 46	ls, fine xlln, pink to red
46 - 47	open cavity, no further sample recovery
205	total depth of hole

Blind Results

46 - 47	open cavity
47 - 54	soft, fill material
54 - 92	ls, hard
92 - 120	soft, fill material probably some clay
120-205	ls, hard

HOLE NO. T-4-11
Completed 3/17/59

Re: Docket DMMA - 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, str. grey pink ls
2 - 8	reworked Amsden, red
8 - 12	ls, light grey to pink
12 - 32	ls, light tan to yellow
32 - 48	ls, fine xlln, grey white
48 - 54	ls, yellow, limonitic
54 - 72	ls, grey to white
72 - 78	ls, yellow limonitic
78 - 148	ls, grey to white, chert str.
148 - 150	ls, red
150 - 160	ls, fine xlln, red to light red
160 - 168	ls, medium xlln, light brown to tan
168 - 200	ls, medium to fine xlln, grey to white
200	total depth of hole

HOLE NO. T-4-12
Completed 3/17/59

Re: Docket DMMA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, silty, light red to red
4 - 26	Amsden fill, red to dark red
26 - 30	ls, fractured, lavender
30 - 52	ls, grey to white
52 - 54	ls, grey chert str. at 52'
54 - 62	ls, light tan to yellow, limonitic
62 - 64	ls, lavender
64 - 66	ls, yellow
66 - 72	ls, coarse fractured, chert str. lavender to yellow
72 - 74	ls, fine xlln, grey white
74 - 86	ls, thin chert str., heavy limonitic staining
86 - 94	ls, very coarse xlln, abundant chert str. lavender to light tan
94 - 108	ls, medium xlln, grey to white
108 - 110	ls, light tan
110 - 158	ls, grey white
158 - 162	ls, light tan
162 - 166	ls, grey white
166 - 174	ls, yellow, limonitic
174 - 178	ls, grey white
178 - 182	ls, yellow, limonitic
182 - 190	ls, grey white, trace limonite staining
190 - 194	ls, very fine xlln, white to yellow orange
194 - 200	ls, fine xlln, grey white
200	total depth of hole

HOLE NO. T-4-13
Completed 3/16/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 10	ls, red and alluvium
10 - 14	reworked Amsden
14 - 16	ls, abundant limonitic staining
16 - 24	ls, tan coarse chert str.
24 - 42	ls, light tan
42 - 52	ls, grey
52 - 54	ls, grey with coarse fractured chert str.
54 - 78	ls, grey white to tan
78 - 82	ls, light brown
82 - 108	ls, grey white to tan
108 - 122	ls, tan to brown
122 - 168	ls, brown to light yellow, limonitic stain
168 - 190	ls, light tan grading to grey white
190	total depth of hole

HOLE NO. T-5-14
Completed 3/12/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 28	ls, fractured, red interspersed with reworked Amsden fill
28 - 38	ls, yellow, limonitic
38 - 46	reworked Amsden fill
46 - 54	ls, reddish brown
54 - 62	ls, light brown to tan
62 - 72	ls, grey white to tan
72 - 136	ls, light tan to brown
136 - 160	ls, light yellow, limonitic
160 - 170	ls, grey
170 - 190	ls, light tan
190 - 198	ls, grey white
198	total depth of hole

HOLE NO. T-6-15
Completed 3/16/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 16	ls, grey to light tan
16 - 18	ls, yellow orange, abundant limonite stain
18 - 26	ls, grey to light tan
26 - 30	ls, light limonite stain, coarse chert str.
30 - 36	ls, grey white
36 - 42	ls, light yellow limonitic stain
42 - 54	ls, grey white
54 - 58	ls with some clay, grey tan
58 - 74	ls, grey white
74 - 76	ls, grey white to tan
76 - 80	ls with clay balls, light brown to yellow, cuttings balled indicating moisture
80 - 86	ls, grey white
86 - 98	ls, fine xlln, yellow, limonitic
98 - 100	ls, grey white
100 - 148	ls, light yellow grading gently to grey white at 148
148 - 156	ls, grey white
156 - 172	ls, light tan
172 - 200	ls, fine xlln, grey white to white
200	total depth of hole

HOLE NO. T-6-16
Completed 3/16/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 8	ls, lavender to light pink
8 - 14	ls, grey to light tan
14 - 28	ls, light tan to light pink
28 - 32	ls, grey white
32 - 36	ls, light pink
36 - 60	ls, grey white
60 - 62	ls, reddish brown
62 - 72	ls, light tan
72 - 76	ls, grey white
76 - 80	ls with clay balls, lavender to light brown, limonitic stain
80 - 99	ls, grey white
99 - 105	ls, dark red staining
105 - 110	ls, dark red grading to brown
110 - 148	ls, brown grading to light yellow limonitic stain
148 - 154	ls, fine xlln, grey white
154 - 158	ls, grey
158 - 162	ls, lavender
162 - 172	ls, light yellow, limonitic
172 - 190	ls, grey
190 - 200	ls, fine xlln, grey to white
200	total depth of hole

HOLE NO. T-6-17
Completed 3/12/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 10	alluvium, grey brown to red
10 - 14	ls, light yellow, limonitic stain
14 - 26	ls, grey white, chert str.
26 - 32	ls, reddish brown
32 - 38	ls, light tan
38 - 58	ls, grey white
58 - 66	ls, light tan
66 - 90	ls, grey
90 - 114	ls, light yellow to tan
114 - 148	ls, grey to very light tan
148 - 168	ls, light yellow, limonitic stain
168 - 176	ls, grey-tan
176 - 200	ls, grey white
200	total depth of hole

124 West Second Street
Casper, Wyoming

March 26, 1959

Kanter-Levy Company
928 North Bend Road
Cincinnati 24, Ohio

Re: Docket DMEA-4849 (Uranium)
Contract 1dm - # 1173
Kanter-Levy Company
(Cave Line et al Claim Groups)
Big Horn County, Wyoming

Gentlemen:

Please consider this correspondence as an invoice for the drilling of the first 17 holes of the above-captioned DMEA contract.

Hole #	Depth Probed	Cost
T-1-1	199'	$708.44
T-1-2	200'	712.00
T-2-3	197'	701.32
T-2-4	203'	722.68
T-2-5	197'	701.32
T-2-6	199'	708.44
T-2-7	201'	715.56
T-2-8	197'	701.32
T-4-9	160'	569.60
T-4-10	201'	715.56
T-4-11	197'	701.32
T-4-12	195'	694.20
T-4-13	186'	662.16
T-5-14	193'	687.08
T-6-15	199'	708.44
T-6-16	198'	704.88
T-6-17	200'	712.00
17 holes	3,322'	
	TOTAL INVOICE -	$11,826.32

Payment Schedule

Cash due on date of billing	-	$6,843.32
Carried interest	-	4,983.00
		$11,826.32

Respectfully submitted,

TETON EXPLORATION DRILLING CO., INC.

Richard K. Lisco

Richard K. Lisco

RKL:jb

YAPUNCICH, SANDERSON & BROWN

LABORATORIES

P. O. Box 593
PHONE 9-8979

20 NORTH 31ST STREET
BILLINGS, MONTANA

Date 4-22-59

Lab. No. 668-U

Invoice No.

Total Charges $

To: Teton Exploration Drilling
124 West 2nd Street
Casper, Wyoming

CERTIFIED URANIUM ASSAY REPORT

SAMPLE	RADIOMETRIC ASSAY Equivalent U_3O_8, % by weight	CHEMICAL ASSAY U_3O_8, % by weight
[illegible] Levy-Dave Farm		
[illegible] 32	0.03	0.05
[illegible] 31	0.04	0.06
[illegible] 6	0.03	0.04
[illegible] 2		
[illegible]	0.02	0.04

Texas Exploration Drilling Co., Inc.

[illegible]
[illegible]
[illegible]

April 26, 1959

[illegible]
[illegible] Second Street
Billings, Montana

Gentlemen:

We are sending to you this date via parcel post the following four uranium samples:

1. T-1-1 (30 to 32)
2. T-1-1 (32 to 34)
3. T-1-1 (34 to 36)
4. T-4-12 (90 to 92)

The samples pertain to a D.M.I.A. contract on the Lanter-Levy property located on Little Mountain.

Would you please assay for uranium and send 8 copies of your results to the above address. Your invoice should be sent to the same address.

Yours very truly,

TEXAS EXPLORATION DRILLING CO., INC.

Richard K. Lisco

Richard K. Lisco

RKL:jb

4-17-59 Please forward check for $20.00 and samples will be promptly assayed & reported. Thank you.

John D. Greenwood

DE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

US CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

Teton Exploration Drilling Co.

Client: KRUTER LEVY COMPANY

Location: CAVE LINE, FTC CLAIMS

Date Probed: 3-8-59

Hole No.: T-1-2 Depth: 200 FT.

Scales: 1K

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 43113-V MA

Teton Exploration Drilling Co.
Client KANTER LEVY COMPANY
Location CAVE LINE, ETC. CLAIMS
Date Probed 3-12/-59
Hole No. T-2-3 Depth 197 FT.
Scales 1K
0.00
50.0
100.0
150.0
197 BOTTOM
197
1K
113
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
E. S.

Teton Exploration Drilling Co.
Client
Location
Date Probed 3-9-59
Hole No. T-2-4 Depth 203
Scales 1-K
T-2-4
203
1-K
MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

U. S. A. E. S. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V MADE IN U. S. A. THE ESTERLINE-ANG

RT No. 4313-V
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC.
, INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANA

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V MADE IN U. S. A.

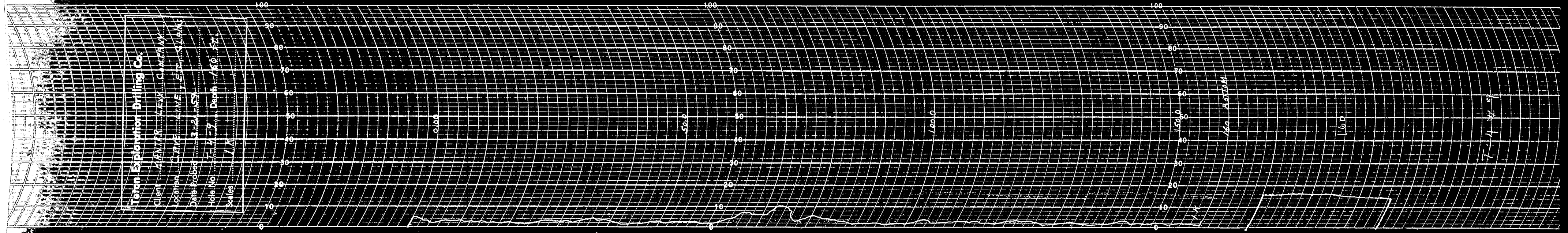
Teton Exploration Drilling Co.
Client
Location
Date Probed
Hole No.
Depth
Scales
0.00
50.0
100.0
150.0
197 Bottom
T-2-S
MADE IN U. S. A.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANA

EXTRA COPY
O. M. E.
RECEIVED MAY 20 1959

DATE	INITIALS	COPY

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V



Teton Exploration Drilling Co.

Client ....KAMPER LEW COMPANY....

Location ....CAVE LINE ETC. CLAIMS

Date Probed ....3-20-59....

Hole No. ....T-4-10.... Depth ....201 FT....

Scales ....1K....

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.

21

Teton Exploration Drilling Co.

Client KANTER LEVY COMPANY

Location CAVE LINE, B.T.G., CLAIMS

Date Probed 3-20-59

Hole No. T-4-11 Depth 197 ft.

Scales 1K

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDI

ANAPOLIS, IND., U. S. A. E. S. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
S. A. CHART NO. 4313-V MADE IN U. S. A. THE ESTE

GUS CO., INC., INDIANAPOLIS, IND., U. S. A.
E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
CHART NO. 4313-V
MADE IN U.S.A.

91

Teton Exploration Drilling Co.

Client: MINER LEA COMPANY

Location: CAVE LINE, ETC., CLAIMS

Date Probed: 8-21-59

Hole No.: T-3-14 Depth: 193 FT.

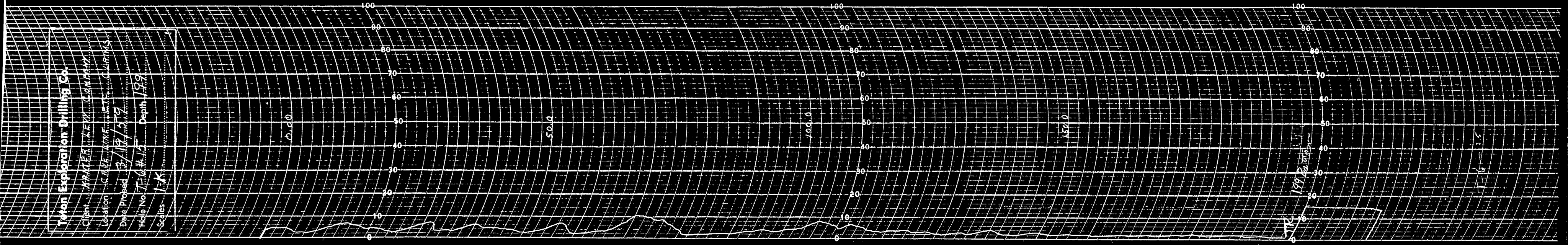
Scales: 1K

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

E IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V



Teton Exploration Drilling Co.

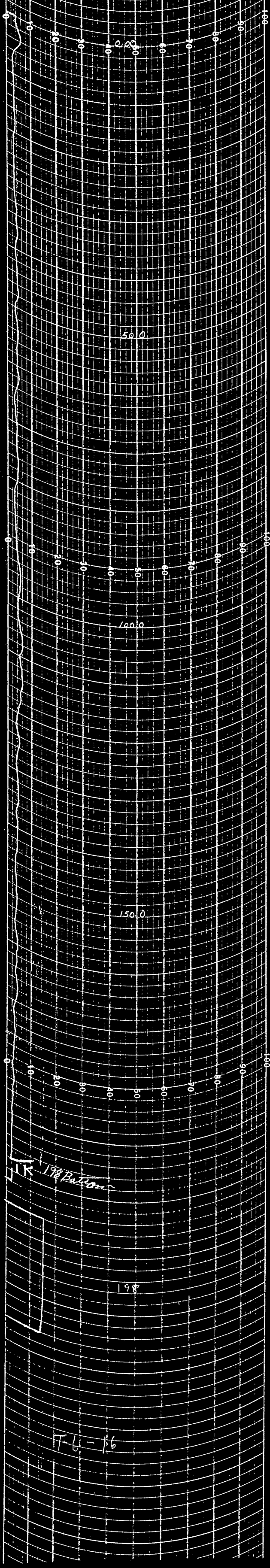
Client: KANTER LEY COMPANY

Location: CAVE LINE EAST CLAIMS

Date Probed: 3/19/59

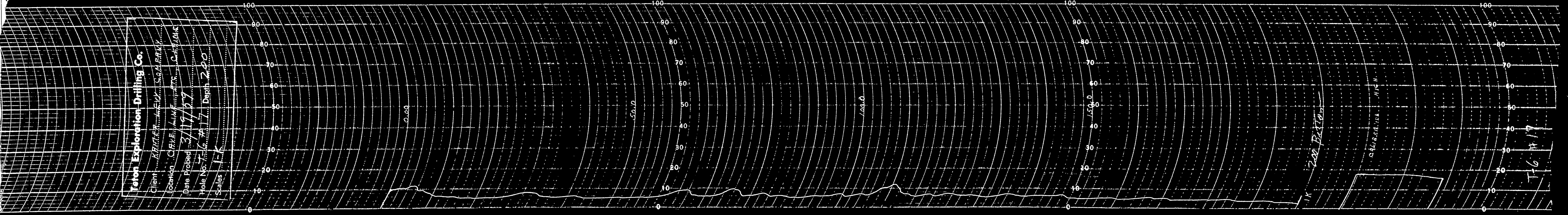
Hole No.: T-6 #16 Depth: 198

Scales: 1:K



MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V


Teton Exploration Drilling Co.
Client
Location
Date Placed 3/17/77
Hole No.
Depth
Scale
0.00
50.0
100.0
150.0
200 Battery
T16 R17

EXTRA COPY
O. M. E.
RECEIVED MAY 20 1959
DATE | INITIALS

MME FORM 6 REFERENCE SLIP

REV. 2-59 OFFICE OF MINERALS EXPLORATION

TO:	DATE	INITIALS
1. 110	6/25	[illegible]
2. 700	6/26	[illegible]
3.		
4.		
5.		
FROM: 220		

FOR: Check items for action desired

____ Action ____ Reply for signature of _____

____ Approval ____ Investigate ____ Surname

____ Comment ____ Recommendations ____ Signature

____ Conference ____ Rewrite ____ File

____ Instructions ____ Your information

REMARKS:

INT.-DUP. SEC., WASH., D.C. M50943

FINAL DISTRIBUTION
JUN 23 1959
MADE

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

Administrative Audit Difference Statement

Date: June 23, 1959
Payee's Reference: May 1959

Panter-Levy Co. c/o
c/o Greenhalgh & Co.
25 Broad Street
New York 4, NY

DMEA-4849

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

Amount Claimed $ 7,036.83

Difference $ 1,677.13

Amount Approved $ 5,359.70

The reason for the difference was due to:

Reinstated the amount of $500.00, which was withheld from reimbursement to the Operator in processing the May - April 1959 voucher.

Withheld AN AMOUNT OF $500.00 from reimbursement to the Operator Pending performance of additional project work. 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.

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot; therefore, the excess cost is suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage I drilling costs may fall below the maximum allowable average unit cost.

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

Very sincerely yours,

N. E. Stokes
Audit Section

EXTRA COPY
O. M. E.
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DATE	INITIALS	CODE
6/25	G	220
		110
6/26	[illegible]	700

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

Reported:	1843 feet drilling at $3.56/ft.	$6,561.08
Allowed:	1843 feet drilling at 2.69/ft.	4,883.95
Excess cost suspended		$1,677.13

224 New Customhouse
Denver 2, Colorado

June 19, 1959

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O. M. E.
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DATE	INITIALS	CODE

Memorandum

To: T. A. Christensen

From: Executive Officer, ONE Field Team, Region III

Subject: Docket DMRA 4849 (Uranium) Contract Idm-E1173, Kauter-Levy Co. (Cave Line, et al. claims) Big Horn County, Wyoming - Operator's Monthly Progress Report for the period May - June 1959

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

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.

Reinstate the amount of $500.00, which was withheld from reimbursement to the Operator in processing the March - April 1959 voucher.

Withhold an amount of $500.00 from reimbursement to the Operator pending performance of additional project work. 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.

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot; therefore, the excess cost is to be suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage I drilling costs may fall below the maximum allowable average unit cost.

Reported:	1843 feet drilling at $3.56/ft. ---------	$6,561.08
Allowed:	1843 feet drilling at $2.65/ft. ---------	4,883.95
Excess cost to be suspended		$1,677.13

Reconciliation with amount reported by the Operator on Form MF-104 for the period May - June 1959

Amount reported on Form MF-104 for May-June 1959 ----------		$7,036.83
Amount recommended for suspension ----------		1,677.13
Total acceptable cost for May-June 1959		$5,359.70
Government participation at 75 percent ----------		$4,019.78
Amount to be reinstated ----------	$500.00	
Amount to be withheld ----------	500.00	
Net deduction or reinstatement ----------		0.00
Balance due Operator		$4,019.78

REMARKS:

Date of Report ---------- June 15, 1959
Date Received in Field Office ---------- June 16, 1959
Date Received in Region Office---------- June 19, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

HMC:jy

cc: Chm. Op. Comm. (2)
Marshall, OMM,DEC
MF-104 File, Reg. III
Marshman) w/copy of Engr's. report
Burgess)
Chron.

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O. M. E.
RECEIVED JUN 25 1959

DATE	INITIALS	CODE

OME
DEPARTMENT OF THE INTERIOR
JUN 19 1959
REGION III
DENVER, COLORADO

June 18, 1959

Memorandum

To: Executive Officer, OME Field Team, Region III

From: Milton H. Marshall

Subject: Docket BMRA 4849 (Uranium) Contract Idm-E1173, Kanter-Levy Company (Cave Line et al claims) Big Horn County, Wyoming -- Operator's monthly progress for the period May-June 1959

Enclosed are the original and four copies each of Forms MF-104 and MF-104A with the required supporting data for "Month of May 1959" but which includes work also complete during the period June 1-June 4, 1959.

The results of work reported for which reimbursement is claimed was inspected June 17, 1959. The operator's agent requests reimbursement for drilling costs based on the total of depths to which each hole was probed. Except for the following, recommendation is made for reimbursement to the operator of 75 percent of the reported costs.

Suspension Drilling

The operator requests reimbursement for a total of 1843 feet of non-core drilling at a unit cost of $3.56 per foot. The contract provides for only a maximum allowable average unit cost of $2.65 per foot of drilling. The reported cost is in excess of $2.65, therefore, the following excess cost is suspended subject to possible reinstatement at a later date to the extent that subsequent costs may fall below the maximum allowable average unit cost.

Reported: 1843 ft. drilling at $3.56/ft.	$6,561.08
Allowed: 1843 ft. drilling at $2.65/ft.	4,883.95
Suspend excess	$1,677.13

Reinstatement and withholding

An amount of $500.00 was withheld from reimbursement to the operator on the March-April voucher. It is recommended that the amount be reinstated and like amount withheld from the current voucher.

Reconciliation

Amount reported on Form MF-104 for May 1959	$7,036.83
Amount recommended for suspension	1,677.13
Total acceptable cost	$5,359.70

Reinstatement to March-April 1959 voucher	$500.00
Withholding from May 1959 voucher	$500.00
net	$000.00
Net total acceptable cost	$5,359.70
Government participation at 75 percent	$4,019.78

Milton H. Marshall
Mining Engineer

MHM/mw
cc: 6
Idm-M1173
chron

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 1

MAY, JUNE, 1959

EXTRA COPY
O. M. E.
RECEIVED JUN 25 1959

DATE	INITIALS	COPY

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

JUN 25 1959 O.M.E.

Month of May, 1959 Docket No. DMEA Contract No. 1 dm E 1173
Operator's Name Kanter-Levy Company Minerals Uranium
Address 928 N. Bend Road, Cincinnati, Ohio
Contract Amount, $ 41,240.00 Government Participation: 75 % Amount, $ 30,930.00

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
Stage I						
(1) Independent Short Form Contracts:						
Drilling	6,180.16	11,826.32	$18,006.48			
Set up on Co. Hole #22	15.00	-	15.00			
Deepening Co. Hole #22	380.92	-	380.92			
Gravimetric & Leveling Surv.		6,557.12	6,557.12			
Incidental Allowances	460.75	830.50	1,291.25			
(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		20.00	20.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$7,036.83	$19,233.94	$26,270.77	5,359.70	14,069.76	19,429.46

OME
DEPARTMENT OF THE INTERIOR
JUN 16 1959
REGION III
DENVER, COLORADO

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

Date June 15, 1959 Payee Kanter-Levy Company

Per Richard K. Lisco Title Agent

Richard K. Lisco

*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:

$ 4019 78

Signature [illegible]
(Authorized Certifying Officer)

Date 6/23/59 Vou. No. OME 59-117

(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. E 1173 in accordance with the terms of the contract.

Signature Milton H. Marshall Title Mining Engineer Date 4/18/59

Chief Engineering Allowability Ame

APPROVAL BY DMEA EXECUTIVE OFFICER OR ALTERNATE:

Signature [illegible] Title Executive Officer Date JUN 19 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.

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 2

MAY, JUNE, 1959

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

JUN 25 1959 O.M.E.

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

Month of May 1959 Docket No. DMEA 4849 Contract No. 1 dm - E 1173
Operator's Name Kanter-Levy Company Minerals Uranium
Address 928 N. Bend Road, Cincinnati, Ohio

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								
Gravimetric & Leveling Survey	Sta.	-	-	6,557.12	974	$6.732	1,000	$ 4.54
Non core drilling	ft.	6,180.16	1,736	18,006.48	5,058	$3.56	6,120	2.65
Standby time	hr.	-	-	-	-	-	20	15.00
Bulldozer time	hr.	-	-	-	-	-	30	12.50
Chemical Anal.	ea.	-	-	20.00	4	$5.00	40	3.50
Incidental Allow.	ft.	460.75	1,843	1,291.25	5,165	$0.25	6,998	0.25
Set up to deepen 10,22,25 hole		15.00	1	15.00	1	$15.00	3	15.00
Drilling 278' in 10,22,25	ft.	380.92	107	380.92	107	$3.56	278	2.65
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$7,036.83		$26,270.77				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$7,036.83		$26,270.77				

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 June 15, 1959 Operator Kanter-Levy Company

Per Richard K. Lisco Title Agent
Richard K. Lisco

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.

REMARKS:

(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

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 3

MAY, JUNE, 1959

NARRATIVE REPORT
No. 3

During the period May 26 through June 4, 1959, nine "secondary target" holes were drilled under the provisions of Stage 1, Phase 2 of the captioned contract as amended by Amendment No. 1 and as approved in writing by Region III OME Field Team on April 17, 1959.

A "Factual Data" tabulation is attached which lists the pertinent information derived from this work.

Also performed during May was the deepening of Company Hole #22 from 87 feet to 194 feet, 194 feet being the probed depth.

Company Hole No. 25 was relocated and deepened from 79 feet to 105 feet, however, at this latter depth the drilling contractor was unable to penetrate deeper due to loose, sloughing rocks and clays and the hole was abandoned.

Company Hole No. 10 which was to have been deepened was never relocated. This hole had been drilled prior to a stripping operation conducted at the same location.

The best mineralization encountered in the ten holes probed was in Company Hole No. 22 which was deepened from 87 feet. The radioactivity encountered was at a depth of 66 to 72 feet with the better zone representing two feet of .20%. No samples were available from this zone since it had been drilled previously.

No samples obtained from the drilling were considered worthy of assaying.

KANTER-LEVY COMPANY

By Richard K. Lisco
Richard K. Lisco (Agent)

D M E A 4849 - Contract 1 dm - E 1173

Factual Data - Hole Nos. 18 through 26 and Co. #22

Hole #	Depth Drilled	Depth Probed	Cuttings Recovered	Open Cave Zones	Mineralization at	Peak Reading
T-1-18	200'	200'	0-138	138-142'	118,136,160	.05 @ 118'
T-5-19	180'	177'	0-101	101-103	86	.01 @ 86'
T-5-20	199'	197'	0-51	51-52	-	-
T-5-21	200'	197'	0-99	99-100	56	.01 @ 55'
T-4-22	200'	196'	0-142	142-146'	-	-
T-6-23	190'	188'	0-190	-	-	-
T-6-24	190'	186'	0-190	-	-	-
T-6-25	200'	196'	0-200	-	-	-
T-1-26	200'	199'	0-30	30-36	92 to 104	.005
Co. #22	195'	194'	87*-196	-	68	.26% @ 68'

*Old company hole deepened from 87' to 196'.

Teton Exploration Drilling Co.

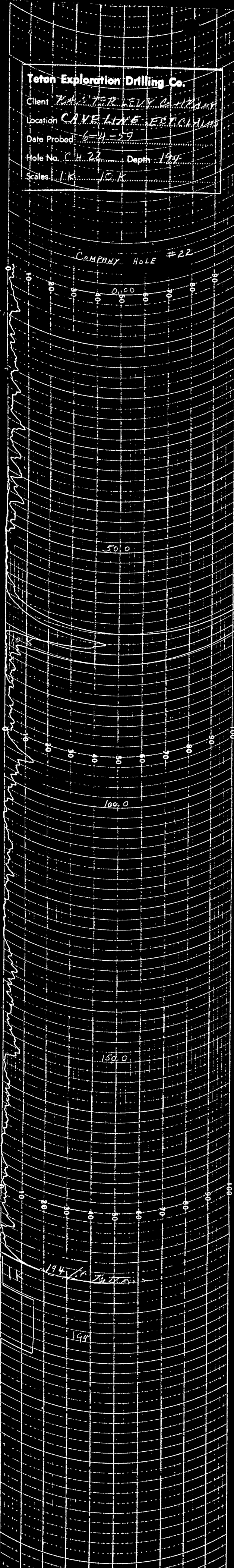
Client [illegible]

Location CAVE LINE ESTABLISH

Date Probed 6-4-59

Hole No. C.H. 22 Depth 194

Scales 1 K 10 K



THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.

JUN 25 1959
O.M.E.

Teton Exploration Drilling Co.

Client: KANTER LEVY COMPANY

Location: GALE LAKE, ECT CLAIMS

Date Probed: 5-29-59

Hole No.: TE-18 Depth: 200 FT

Scales: 1K

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

JUN 25 1959
O.M.E.

THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S

Teton Exploration Drilling Co.

Client KARTER LEVY COMPANY

Location CAVE LINE ETAL CLAIMS

Date Probed 6-2-59

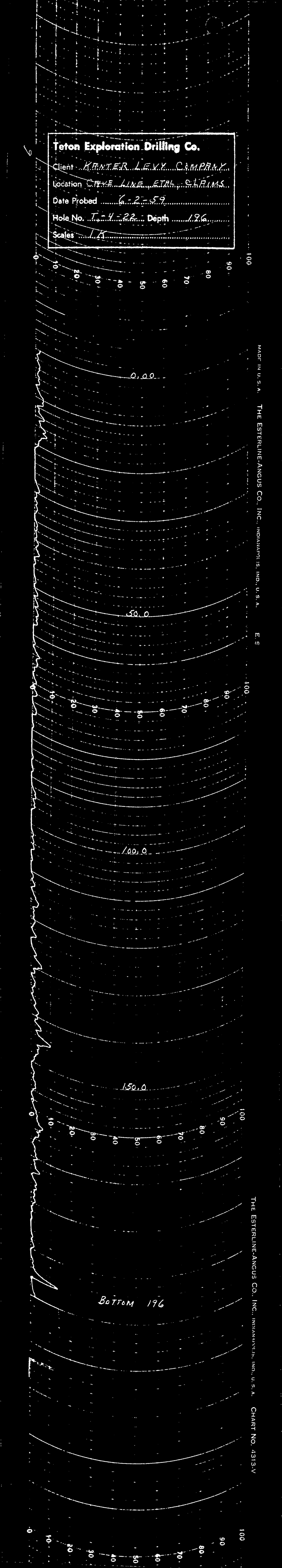
Hole No. T-5-20 Depth 197

Scales 1 M

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.

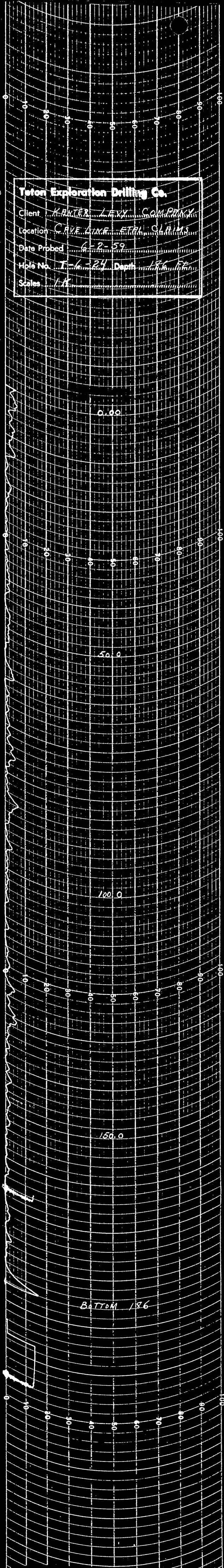
E.S. THE ESTERLINE-ANGUS CO., INC., IND

Teton Exploration Drilling Co.
Client KANTER-LEVY COMPANY
Location CAVE LINE SET CLAIMS
Date Probed 5-29-59
Hole No. T-5-21 Depth 197 FT.
Scales 1K
0.00
50.0
100.0
150.0
1K
Bottom
197 FT
0
10
20
30
40
50
60
70
80
90
100
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A.
CHART NO. 4313-V
MADE IN U. S. A.
E. S.


Teton Exploration Drilling Co.
Client KANTER LEVY COMPANY
Location CHYE LINE, ETAL, CLAIMS
Date Probed 6-2-59
Hole No. T-4-22 Depth 196
Scales 1K
0.00
50.0
100.0
150.0
BOTTOM 196
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A.
MADE IN U.S.A.
CHART NO. 4313-V

MADE IN U. S. A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. E. S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U. S. A. CHART NO. 4313-V

JUN 25 1959
O.M.E.


Teton Exploration Drilling Co.
Client KANTER LEVY COMPANY
Location CAVE LINE ETAL CLAIMS
Date Probed 6-2-59
Hole No. T-6-24 Depth 186 Ft.
Scales 1/4
0.00
50.0
100.0
150.0
BOTTOM 186
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

Teton Exploration Drilling Co.
Client KANTER-LAVT COMPANY
Location CAVE LINE EST CLAIMS
Date Probed 5-28-79
Hole No. T-1-26 Depth 199.2'
Scales K
0.00
50.0
100.0
150.0
BOTTOM 199.0'
K
MADE IN U.S.A. THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. E.S.
THE ESTERLINE-ANGUS CO., INC., INDIANAPOLIS, IND., U.S.A. CHART NO. 4313-V

HOLE NO. T-1-18 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 16	fill material, red clays and silts
16 - 18	Ls, medium xlln, red staining, some fill fractures
18 - 40	Ls, medium xlln, light pink to grey white
40 - 46	fill material, red clays and silts
46 - 48	Ls, medium xlln, white
48 - 54	Ls, red with bill material of red clays
54 - 58	fill material
58 - 60	Ls, fine xlln to powdery, white
60 - 72	fill material, red clays and siltstones with occasional Ls boulders
72 - 80	Ls, grading from powdery to coarse xlln, white to light pink
80 - 86	fill material, red clays and silts
86 - 92	Ls, medium xlln, light pink to white
92 -108	Ls, fine xlln, light pink to white
108-114	Ls, fine xlln, light brown
114-120	Ls, fine xlln, limonitic to light pink
120-124	Ls, medium xlln, light pink
124-128	Ls, fine xlln, limonitic to tan
128-132	Ls, fine xlln, white
132-138	Ls, fine xlln, limonitic to tan
138-142	soft, very porous zone, lost air, no further recovery of samples

Blind Results

142-151	Ls, soft with chert strgs.
151-178	fill material
178-185	Ls, hard
185-196	Ls, soft
196-200	Ls, hard

HOLE NO. T-5-19 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	fill, red Ls and red clay
4 - 6	fill, light brown silt
6 - 8	fill, massive chert strg., red
8 - 20	Amsden fill, fine xlln, dark red
20 - 22	Ls with limonitic stained clay fracture fill
22 - 28	Ls, medium xlln to powdery, light tan
28 - 38	Ls, fine xlln to powdery, white
38 - 40	Ls, fine xlln, tan
40 - 42	Ls, powdery, white
42 - 54	Ls, fine xlln to powdery, very light tan
54 - 68	Ls, fine xlln to powdery tan to yellow (heavy liminite)
68 - 72	Ls, fine xlln, light tan
72 - 76	Ls, fine xlln to powdery, grey
76 - 88	Ls, fine to medium xlln, light brown to tan
88 - 90	Ls, fine xlln to powdery, light yellow
90 - 94	Ls, medium to fine xlln, light tan
94 - 96	Ls, medium to fine xlln, tan
96 -101	Ls, medium to fine xlln, white
101-103	Cavity, lost air, no further recovery of samples

Blind Results

103-138	soft, fill material
138-167	Ls, soft powdery
167-180	Ls, hard

HOLE NO. T-5-20 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, red
2 - 4	alluvium and Ls, light red to grey
4 - 8	Ls, medium to coarse xlln, grey with strg. of red fill
8 - 10	Ls, medium xlln, grey white
10 - 14	Ls with strg of red fill, medium to coarse xlln, grey white
14 - 28	Ls, medium to coarse xlln, white to grey white, chert strg.
28 - 36	Ls, medium to coarse xlln
36 - 38	Ls with thin red strg. of fill, medium to coarse xlln, light pink to white
38 - 42	Ls, coarse xlln, light pink to white
42 - 46	Ls with some fill of limonitic stained clay, coarse xlln, tan to grey white
46 - 51	Ls, medium xlln, light pink to grey
51 - 52	Cavity, lost air, no further sample recovery

Blind Results

52 - 78	fill material (clays, siltstone)
78 - 83	Ls, hard
83 - 85	fill material (clays, siltstone)
85 - 93	Ls, hard
93 -107	fill material
107-124	Ls, hard
124-127	Ls, soft
127-199	Ls, hard

HOLE NO. T-5-21 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, red, some powdered Ls
2 - 4	Ls, white powdery
4 - 6	Ls, medium to coarse xlln, red to lavender, some chert strgs.
6 - 8	Ls, medium to coarse xlln, red to lavender, some chert strgs.
8 - 10	Ls, medium to coarse xlln, grey white, some chert strgs.
10 - 14	Ls, medium to fine xlln, light yellow to tan, massive chert strgs.
14 - 16	Ls, and fill chunky xlln, red to lavender
16 - 30	Ls, medium to coarse xlln, grey white
30 - 32	Ls, coarse chunky, massive chert strg.
32 - 34	Ls, medium to fine xlln, tan
34 - 56	Ls, medium to coarse xlln, light grey
56 - 58	Ls, powdery, tan
58 - 64	fill, some clay balls, light brown
64 - 68	Ls, medium to fine xlln, tan, limonitic
68 - 70	fill, some clay balls, limonitic
68 - 70	Ls, medium to fine xlln, tan
70 - 74	Ls, medium to coarse xlln, grey to tan
74 - 80	fill, clay balls, light brown to tan
82 - 88	fill, some clay balls, orange to light red
88 - 96	Ls, medium to fine xlln, limonitic, soft
96 - 99	Ls, medium to coarse xlln, grey white, hard
99 -100	Cavity, lost air, no further sample recovery

Blind Results

100-105	soft fill material	)
105-120	Ls, coarse to medium xlln, hard	) Compare with T-4-12
120-146	Ls, fine xlln to powdery, soft	)
146-150	Ls, hard	
150-166	Ls, fine xlln, soft	
166-174	Ls, hard	
174-196	Ls, soft	
196-200	Ls, medium to fine xlln, hard and probably white	

HOLE NO. T-4-22 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	fill, red clay and silts
4 - 6	Ls, medium xlln, chert strg, limonitic
6 - 8	Ls with red clay fill in fractures, chert strg., lavender
8 - 18	Ls, medium to massive xlln, lavender to grey
18 - 20	fill material dark red clay and silts
20 - 30	Ls, medium xlln, lavender to white
30 - 36	Ls, medium to fine xlln, light red to pink
36 - 50	Ls, medium xlln, grey to white
50 - 52	Ls, medium xlln, red to pink
52 - 56	Ls, medium to fine xlln, white
56 - 60	Ls, medium to fine xlln, pink
60 - 64	Ls, coarse xlln, white
64 - 66	Ls, coarse xlln, red (iron concretions)
66 - 80	Ls, coarse to medium xlln, grey
80 - 90	Ls, medium to fine xlln, white
90 -114	Ls, medium to powdery xlln, grey to white
114-118	Ls, powdery, white
118-132	Ls, medium to fine xlln, grey to white
132-142	Ls, fine xlln to powdery, white
142-146	No further recovery of samples (rotten porous zone)

Blind Results

146-184	Ls, soft
184-200	Ls, hard

HOLE NO. T-6-23 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	Ls, coarse xlln, red stained
2 - 30	Ls, coarse xlln, grey chert strg.
30 - 34	Ls, medium to fine xlln, grey
34 - 36	Ls, fine xlln to powder, light red
36 - 40	Ls, fine xlln to powdery, white
40 - 44	Ls, coarse to medium xlln, lavender to light red
44 - 50	Ls, medium to fine xlln, lavender
50 - 58	Ls, coarse to medium xlln, grey
58 - 64	Ls, coarse to medium xlln, white
64 - 68	Ls, coarse to medium xlln, light tan
68 - 70	Ls, coarse xlln to powdery, white
70 - 76	Ls, medium to fine xlln, light tan with few red concretions
76 - 78	Ls and red clay fracture fill, Ls is grey
78 - 94	Ls, coarse to medium xlln, grey
94 -100	Ls, medium to fine xlln, grey white
100-104	Ls, coarse to medium xlln, grey to light tan
104-114	Ls, coarse to medium xlln, white
114-116	Ls, coarse to powdery, light yellow
116-122	Ls, medium to fine xlln, white
122-136	Ls, medium xlln, light tan, red and green clays in fractures and dark iron staining as though in major fracture system
136-146	fill material Ls, clays, silt, all red
146-158	fill material Ls, clays, silt, brown to dark tan
158-164	Ls, medium xlln, grey
164-168	Ls, medium xlln, light tan to yellow (limonitic)
168-170	Ls, medium xlln, grey
170-172	Ls, medium xlln, tan (limonitic)
172-184	Ls, medium to fine xlln, light tan to white
184-190	Ls, medium to fine xlln, white

HOLE NO. T-6-24 Re: Docket DMEA 4849 (uranium)

GEOLOGIC LOG

0 - 2	alluvium, red clay
2 - 4	Ls, powdery, tan
4 - 10	Ls, powdery, lavender to light red
10 - 20	Ls, with chert strg., massive to powdery, light red
20 - 24	Ls with chert strg, massive to fine xlln, light yellow
24 - 32	Ls, medium to powdery xlln, limonitic light yellow
32 - 34	Ls, medium to powdery xlln, grey
34 - 46	Ls, powdery, white
46 - 62	Ls, powdery, light yellow-tan (limonitic)
62 -110	Ls, fine to powdery xlln, grey to white
110-124	Ls, fine xlln, grey
124-134	Ls, fine xlln, limonitic
134-148	Ls, fine to powdery xlln, lavender to light red
148-186	Ls, fine to powdery xlln, light yellow to tan (limonitic)
186-190	Ls, fine xlln, white
	Bottom

HOLE NO. T-6-25 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 10	fill, red
10 - 18	silt, fine grained, brown
18 - 20	silt and Ls, reddish brown
20 - 24	Ls, medium to fine xlln, light brown to tan
24 - 40	Ls, powdery, white
40 - 58	Ls, powdery to fine xlln, grey to white
58 - 62	Ls and red silt, medium to fine xlln, red to white
62 - 66	Ls, medium to fine xlln, grey
66 - 86	Ls, medium to fine xlln, light tan to limonitic
86 - 98	Ls, fine xlln, grey
98 -130	Ls, fine xlln, light tan to limonitic
130-160	Ls, fine xlln, very light tan
160-200	Ls, fine to powdery xlln, grey to white
	Bottom

HOLE NO. T-1-26 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, red
2 - 4	Ls, powdery, reddish brown
4 - 8	Ls, powdery, light pink to tan
8 - 12	Ls, medium to fine xlln, light tan
12 - 14	Ls with red clay fill in fractures, medium to coarse xlln
14 - 18	Ls, coarse to medium xlln, tan to white
18 - 22	Ls, coarse to powdery xlln, white
22 - 30	Ls, medium to fine xlln, grey
30 - 36	Cavity, lost air, no further recovery of samples

Blind Results

36 - 81	soft fill material
81 - 88	Ls, hard
88 -126	Ls, soft
126-144	Ls, hard
144-162	Ls, soft
162-171	Ls, hard
171-184	Ls, soft
184-200	Ls, hard

COMPANY HOLE #22 Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

87 - 88	fill material washed into bottom of old hole
88 - 94	Ls, medium to coarse xlln, grey to white
94 - 96	Ls with clay, light brown to tan, limonitic
96 -110	Ls, medium to coarse xlln, light tan to white
110-134	Ls, medium to fine xlln, grey to white
134-140	Ls with grey clay balls, light tan to grey
140-148	Ls, medium to fine xlln, yellow orange (limonitic)
148-154	fill material with grey clay balls
154-162	Ls, medium to fine xlln, grey
162-168	Ls, medium to fine xlln, light tan
168-176	Ls, medium to fine xlln, grey
176-182	Ls, fine xlln to powdery, light yellow
182-188	Ls, fine xlln, light tan
188-194	Ls, fine xlln, light brown
194-196	Ls, medium xlln, white

June 12, 1959

Mr. Leon Levy
Oppenheimer & Company
25 Broad Street
New York, New York

Re: Docket DMEA 4849 (Uranium)
Contract 1 dm - E 1173
Kanter-Levy Company
(Cave Line et al claim groups)
Big Horn County, Wyoming

Dear Mr. Levy:

Please consider this correspondence as an invoice for drilling of the nine primary target holes and the deepening of Company Hole #22 pertaining to the above-captioned DMEA contract.

Hole #	Standby	Depth Probed	Cost
T-1-18	-	200	$ 712.00
T-5-19	-	177	630.12
T-5-20	-	197	701.32
T-5-21	-	197	701.32
T-4-22	-	196	697.76
T-6-23	-	188	669.28
T-6-24	-	186	662.16
T-6-25	-	196	697.76
T-1-26	-	199	708.44
9 holes		1,736 feet	$6,180.16

Company Hole #22

Set up and cleaned out to 87'	$ 15.00	
Drilled 87 to 194 - 107 ft. @ 3.56/ft.	380.92	395.92
	TOTAL INVOICE	$6,576.08

Payment Schedule

Cash due on date of billing - - - - - $3,972.08
Carried interest - - - - - - - - - - - $2,604.00

Respectfully submitted,

TETON EXPLORATION DRILLING CO., INC.

Richard K. Lisco

Richard K. Lisco

RKL: jb

OFFICIAL FILE COPY O. M. E. RECEIVED MAY 15 1959		
DATE	INITIALS	CODE
5/15/59	G	220
"	[illegible]	110
~~5/18~~	~~[illegible]~~	~~900~~

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

Administrative Audit Difference Statement

Date: ~~May 12, 1959~~
Payee's Reference: ~~March & April 1959~~

Venter-Levy Co.
c/o Oppenheimer & Co.
63 Broad Street
New York 5, N.Y.

DMEA-4849

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

Amount Claimed $ ~~10,076.00~~

Difference $ ~~3,069.00~~

Amount Approved $ ~~7,007.00~~

The reason for the difference was due to:

Disallowed, Chemical Analyses

The contract provides for a maximum allowable unit cost of $3.50 per sample analyzed. A unit cost of $5.00 per sample is reported on Forms [illegible] and [illegible]. The excess cost is disallowed as follows:

Reported cost, 4 samples analyzed at $5.00/Spl------	$ 20.00
Allowable cost, 4 samples analyzed at $3.50/Spl-----	14.00
Amount disallowed	$ 6.00

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot,

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

therefore the excess cost is suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage 1 drilling costs may fall below the maximum allowable average unit cost.

Amount reported, 1322 feet at total cost of----------	$11,826.12
Allowable cost, 1322 feet at $2.65 per foot----------	8,801.20
Excess cost suspended	$ 3,023.02

Amount disallowed	0.00
Amount suspended	$1,021.02
Total Deductions	$3,089.02

<u>Withheld</u> an amount of $500.00 from reimbursement to the Operator pending resumption of work under the contract. If work under the contract is not resumed, the amount of $500.00 will continue to be withheld pending resolution of matters prerequisite to closing the account.

OFFICIAL FILE COPY
O. M. E.
RECEIVED MAY 15 1959

DATE	INITIALS	CODE

22½ New Customhouse
Denver 2, Colorado
May 12, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, ORE Field Team, Region III

Subject: Docket No. MEMA 4589 (Uranium) Contract IAm-EL173
Hunter-Levy Company, (Cave Line et al. claims)
Big Horn County, Wyoming - Operator's Monthly Progress
Report for the period March - April, 1959

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.

Disallowance, Chemical Analysis

The contract provides for a maximum allowable unit cost of $3.50 per sample analyzed. A unit cost of $5.00 per sample is reported on Forms MF-104 and MF-104A. The excess cost is to be disallowed as follows:

Reported cost, 4 samples analyzed at $5.00/Spl------	$ 20.00
Allowable cost, 4 samples analyzed at $3.50/Spl-----	14.00
Amount to be disallowed----------	$ 6.00

Suspension, Drilling

The maximum allowable average unit cost is $2.65 per foot of drilling. The reported cost is in excess of $2.65 per foot, therefore the excess cost is to be suspended as follows, subject to possible reinstatement at a later date to the extent that subsequent Stage I drilling costs may fall below the maximum allowable average unit cost.

Amount reported, 3322 feet at total cost of---------	$11,826.32
Allowable cost, 3322 feet at $2.65 per foot---------	8,801.30
Excess cost to be suspended----------	$ 3,025.02

Withhold an amount of $500.00 from reimbursement to the Operator pending resumption of work under the contract. If work under the contract is not resumed, 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 MF-104 for the period March - April, 1959

Amount reported on Form MF-104 for March-April, 1959		$12,676.82
Amount to be disallowed	$ 6.00	
Amount to be suspended	3023.02	
Total Deductions		3,029.02
Acceptable cost for March and April, 1959		$9,647.80
Government participation at 75 percent		$7,235.85
Amount to be withheld		500.00
Balance due the Operator		$6,735.85

Remarks:

Date of Report ---------- May 5, 1959
Date Received in Field Office ---------- May 8, 1959
Date Received in Region Office ---------- May 11, 1959

Original signed by
J. W. TOWNSEND

J. W. Townsend

Enclosures

JEC:hmh

cc: Chmn. Op. Comm. (2)
Marshall, ONE/BFC
MF-104 file, Reg. III
Marshman } w/copy Engr's
Cooper } Report
Chron

OME
DEPARTMENT OF THE INTERIOR

MAY 11 1959
REGION III
DENVER, COLORADO

May 11, 1959

Memorandum

To: Executive Officer, OME

From: M. H. Marshall

Subject: DMEA 4849, Contract Ism-K1173 - Kanter-Levy Company, Big Horn County, Wyoming - Progress report for March - April 1959

Enclosed are the original and four copies of Forms MF-104 and MF 104A with the required supporting data for March-April 1959.

The results of work reported for which reimbursement is claimed was inspected May 11, 1959. Except for the following, recommendation is made for reimbursement of 75 percent of the reported costs:

Disallowance - Chemical analyses

The contract provides for analysis of 40 Stage I samples for U_3O_8 at $3.50 per sample. The invoiced cost for analysis of 4 samples was at $5.00 per sample therefore is in excess of contract provisions.

Disallow		
Reported cost for 4 analysis at $5.00 each	$20.00	
Acceptable cost for 4 analysis at $3.50 each	14.00	
Excess costs to be disallowed		$6.00

Suspension - Drilling costs

The contract provides for drilling 30 holes, 6120 feet at $2.65/ft. Reported costs for drilling 17 holes are $11,826.32 at $3.56/ft. Inasmuch as the reported cost per foot of drilling is in excess of the allowable maximum for the item of work it is recommended that the cost for drilling in excess of $2.65/ft. be suspended.

Suspend

Reported costs for 3322 ft. drilling at $3.56/ft.	$11,826.32	
Allowable cost for 3322 ft. drilling at $2.65/ft.	8,803.30	
Excess to be suspended		$3,023.02
Total deductions		$3,029.02

Reconciliation

Amount reported on form MF-104 for March-April 1959	$12,676.82
Amount recommended for deduction	3,029.02
Total acceptable cost for March-April 1959	$9,647.80
Government participation at 75 percent	$7,235.85

M. H. Marshall
Mining Engineer

Milton H Marshall

MHM/mw
cc: 6
Idm-E1173
chron

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 1

MARCH, 1959

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

Budget Bureau No. 42-R1036.5

MAY 15 1959 O.M.E.

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

Month of March & April, 1959 Docket No. DMEA 4849 Contract No. 1 dmea 1173
Operator's Name Kanter-Levy Company Minerals Uranium
Address 928 North Bend Road, Cincinnati, Ohio
Contract Amount, $ 41,240.00 Government Participation: 75 % Amount, $30,930.00

ITEMS OF COSTS	FOR OPERATOR'S USE			FOR GOVERNMENT USE ONLY		
Stage I	Monthly Total	Totals Previously Reported	Totals To Date	Approved Monthly Total	Approved Totals Previously Reported	Approved Totals To Date
(1) Independent Short Form Contracts:						
Drilling	11,826.32		$11,826.32			
Bulldozing	-	-	-			
Gravimetric & leveling survey		6,557.12	6,557.12			
~~Crosscutting~~						
Drifting						
Incidental Allowances	830.50		830.50			
(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	20.00		20.00			
Payroll Taxes						
Liability Insurance						
(8) Contingencies (specify):						
TOTALS	$12,676.82	$6,557.12	$19,233.94	9647.50	4421.96	14069.76

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

Date 5-5-59 *Payee Kanter-Levy Company

Per Richard K. Lisco Title Agent

Richard K. Lisco

*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:

$6735.85

Signature (Authorized Certifying Officer)

Date 5/13/59 Vou. No. DMEA 59-107

(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. 6179 in accordance with the terms of the contract.

Signature [illegible] Title Mining Engineer Date 5/11/59

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

Signature [illegible] Title Executive Officer Date MAY 12 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.

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 2

MARCH, 1959

Form MF-104A
(April 1952)

Budget Bureau No. 42-R1151.2

MAY 15 1959 O.M.E.

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of March & Apr. 1959 Docket No. DMEA 4849 Contract No. 1 dm - E 1173

Operator's Name Kantor-Levy Company Minerals Uranium

Address 928 N. Bend Road, Cincinnati, Ohio

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								
Gravimetric & leveling	Sta survey	-	-	$6,557.12	974	$6.732	1,000	$ 4.54
~~Drifting~~ Non-core drlg	ft.	11,826.32	3,322	$11,826.32	3,322	$3.56	6,120	$ 2.65
~~Crosscutting~~ Standby time	hr	-	-	-	-	-	20	$15.00
~~Raising~~ Bulldozer time	hr	-	-	-	-	-	30	$12.50
~~Shafts~~ Chemical Anal.	ea.	20.00	4	$20.00	4	$5.00	40	$ 3.50
~~Winzes~~ Incidental Allow.	ft.	830.50	3,322	$830.50	3,322	$0.25	6,998	$ 0.25
Drilling: Core Set up to deepen #10, 22.25	hole	-	-	-	-	-	3	$15.00
Drilling 278' in #3.10, Auger 22.25	ft.	-	-	-	-	-	278	$ 2.65
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		12,676.82		$19,233.94				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		12,676.82		$19,233.94				

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:

Date 5-5-59 Operator Kantor-Levy Company

Per Richard K. Lisco Title Agent

Richard K. Lisco

→ 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

D.M.E.A. CONTRACT #1 dm - E 1173

DOCKET NO. 4849 Uranium

KANTER-LEVY CO.

SECTION 3

MARCH, 1959

NARRATIVE REPORT
No. 2

On March 6, 1959, two drilling units of Teton Exploration Drilling Company, Inc., commenced drilling the 17 "primary target" holes under the provisions of Stage 1, Phase 2 of the captioned contract as amended by Amendment No.1. The drilling was completed on these initial 17 holes on March 21, 1959. Completed holes are blacked in on the accompanying map.

The purpose of this drilling was to explore for uranium ore deposits in the Mission Canyon member of the Madison limestone formation by rotary drilling. The results of the drilling verified a successful application of the gravity meter in picking porosity zones. However, the degree of mineralization encountered in the initial 17 holes was meager.

All samples of this drilling that were recovered have been properly marked and are being stored in the camp located on the property.

Four samples were assayed from the cuttings recovered from the initial 17 holes, the results of which are tabulated below.

		Lab Radiometric	Chemical Assay
HOLE NO. T-1-1			
Sample depth interval	30-32	0.03	0.05
	32-34	0.04	0.06
	34-36	0.03	0.04
HOLE NO. T-4-12			
Sample depth interval	90-92	0.02	0.04

In the interpretation of the accompanying radiometric logs a full scale reading on the 10 K scale with the instrument calibrated at 14 is equal to 0.60 for equilibrium ores. The peak reading on log T-1-1 at a depth of 35 feet is 0.31%. The anomaly itself would be interpreted as approximately 6 inches of 0.20%. From the samples recovered and the "feel" in the drilling of this hole it would seem that a filled solution cavity existed above the mineralized zone but not in it.

KANTER-LEVY COMPANY

By Richard K. Lisco
Richard K. Lisco (Agent)

HOLE NO. T-1-1
Completed 3/6/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, silty red-orange
4 - 8	ls, yellow iron staining
8 - 10	ls, yellow and red
10 - 20	ls, limonitic
20 - 28	ls, vuggy, chert str., gyp. coating
28 - 38	ls, light tan
38 - 50	ls, light grey to tan, chert str.
50 - 60	ls, light tan
60 - 66	ls, light grey
66 - 72	ls, reddish brown, crystal faces of gyp. in fractures
72 - 88	ls, light grey
88 - 92	ls, chunky fractured, chert str.
92 - 96	ls, brownish red
96 - 100	ls, fine xlln, yellow to tan
100 - 108	ls, yellow to brown, abundant limonitic staining
108 - 126	ls, fine xlln, light tan
126 - 132	ls, fine xlln, grey to white
132 - 162	ls, medium xlln, light tan
162 - 168	ls, medium xlln, grey to white
168 - 178	ls, fine xlln, chert str.
178 - 180	ls, coarse xlln
180 - 200	ls, medium xlln, chert str.
200	total depth of hole

ls - limestone
gyp - gypsum

xlln - crystalline
str. - stringer

HOLE NO. T-1-2
Completed 3/6/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 10	ls, coarse xlln, fractured, red stain
10 - 18	ls, medium to coarse xlln, chert str., light red staining
18 - 24	ls, medium to coarse xlln, chert str., grey
24 - 30	ls, medium to fine xlln, light pink to red
30 - 42	ls, medium to coarse xlln, pink to dark red, crystal faces of gyp. in fractures
40 - 42	open cavity
46 - 48	open cavity, no further recovery of samples
200	total depth of hole

Blind Results

40 - 42	soft, no return, fill material
42 - 46	ls, hard, chert str.
46 - 48	soft, fill material, probably some clay
48 -150	ls, hard
150-200	ls, soft

HOLE NO. T-2-3
Completed 3/9/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 20	ls, medium to coarse xlln, tan to light pink, chert str.
20 - 22	ls, dark red, some clay (filled solution cavity)
22 - 40	ls, medium to coarse xlln, chert str., grey to light tan
40 - 44	ls, light tan to yellow, grey chert str.
44 - 52	ls, grey to white
52 - 54	ls, light lavender tinge
54 - 66	ls, medium xlln, chert str.
66 - 70	open cavity, no further recovery of samples
200	total depth of hole

Blind Results

70 - 94	soft, fill material, probably some clay
94 - 98	ls, hard, chert str.
98 -108	ls, soft
108-145	ls, hard
145-190	ls, soft
190-200	ls, hard

HOLE NO. T-2-4
Completed 3/9/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	ls, coarse fractured, light red stain
4 - 8	ls, light grey, chert str.
8 - 14	ls, light pink to brown
14 - 20	ls, light grey, chert str.
20 - 24	ls, very fine xlln, white gyp. crystals
24 - 28	ls, coarse xlln, massive chert str.
28 - 42	ls, light grey, chert str.
42 - 44	ls, lavender, chert str.
44 - 54	ls, fine xlln, grey
54 - 75	ls, coarse xlln, light tan to grey, chert str.
75 - 91	open cavity, no further sample recovery
205	total depth of hole

Blind Results

75 - 91	open cavity
91 -104	ls, hard
104-109	soft, fill material
109-142	ls, hard
142-158	ls, soft
158-205	ls, hard

HOLE NO. T-2-5
Completed 3/7/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 6	ls, dark red staining
6 - 16	ls, light grey, some limonite stained str.
16 - 22	ls, grey with dark grey chert str.
22 - 28	ls, coarse xlln, reddish brown to limonite staining
28 - 34	ls, grey white
34 - 42	ls, light red to brown
42 - 56	ls, grey white
56 - 70	open cavity, no further sample recovery
200	total depth of hole

Blind Results

56 - 70	open cavity
70 - 90	soft, fill material
90 - 95	ls, hard
95 -110	ls, soft
110-200	ls, hard

HOLE NO. T-2-6
Completed 3/11/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, red
2 - 10	ls, coarse xlln, grey with 5% dark red str.
10 - 26	ls, grey white
26 - 32	ls with some clay, red to dark red
32 - 40	ls, grey white
40 - 44	ls, light tan to brown, chert str.
44 - 52	ls, grey white
52 - 54	ls, light tan
54 - 85	ls, grey white
85 - 92	open cavity, no further sample recovery
97 - 99	open cavity
110 - 112	open cavity
200	total depth of hole

Blind Results

85 - 92	open cavity
92 - 95	soft, fill material
95 - 97	ls, hard
97 - 99	open cavity
99 -100	soft, fill material
100-110	ls, hard
110-112	open cavity
112-200	ls, hard

HOLE NO. T-207
Completed 3/18/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 14	ls, yellow, abundant limonitic stain
14 - 20	ls, yellow, limonitic with str. chert
20 - 42	ls, yellow grading to light yellow, limonitic stain
42 - 86	ls, light tan
86 - 90	ls, grey white
90 - 132	ls, light grey
132 - 150	ls, fine xlln, red grading to light tan
150 - 204	ls, light tan
204 - 210	ls, fine xlln, grey white
210	total depth of hole

HOLE NO. T-2-8
Completed 3/10/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 12	ls, light yellow to orange, limonitic
12 - 27	ls, grey white
27 - 32	ls, light yellow
32 - 70	ls, grey white
70 - 80	ls, light tan
80 - 94	ls, grey white
94 - 138	ls, grading from yellowish orange to light tan.
138 - 168	ls, grey white
168 - 198	ls, light tan
198 - 200	ls, grey white
200	total depth of hole

HOLE NO. T-4-9
Completed 3/20/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 8	ls, light pink staining
8 - 30	ls, coarse xlln, red to pink, str. chert
30 - 38	ls, grey to white
38 - 40	ls, fine xlln, pink
40 - 45	ls, coarse xlln, grey white
45 - 52	ls, coarse xlln, grey white, chert str.
52 - 58	ls, medium to fine xlln, grey to tan
58 - 63	ls, tan to yellow, limonitic
63 - 88	open cavity, no further sample recovery
164	total depth of hole

Blind Results

63 - 88	open cavity
88 - 92	ls, hard
92 - 96	ls, loose rock and fill
96 -101	ls, hard
101-102	fill
102-105	ls, hard
105-107	fill
107-110	ls, hard
110-113	ls, soft
113-115	ls, hard
115-131	ls, soft
131-164	ls, hard

HOLE NO. T-4-10
Completed 3/17/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 6	alluvium, silty, red
6 - 32	alluvium, silty dark red (reworked Amsden filling solution cavity in Madison)
32 - 36	ls, coarse xlln, pink massive chert str.
36 - 46	ls, fine xlln, pink to red
46 - 47	open cavity, no further sample recovery
205	total depth of hole

Blind Results

46 - 47	open cavity
47 - 54	soft, fill material
54 - 92	ls, hard
92 - 120	soft, fill material probably some clay
120-205	ls, hard

HOLE NO. T-4-11
Completed 3/17/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 2	alluvium, str. grey pink ls
2 - 8	reworked Amsden, red
8 - 12	ls, light grey to pink
12 - 32	ls, light tan to yellow
32 - 48	ls, fine xlln, grey white
48 - 54	ls, yellow, limonitic
54 - 72	ls, grey to white
72 - 78	ls, yellow limonitic
78 - 148	ls, grey to white, chert str.
148 - 150	ls, red
150 - 160	ls, fine xlln, red to light red
160 - 168	ls, medium xlln, light brown to tan
168 - 200	ls, medium to fine xlln, grey to white
200	total depth of hole

HOLE NO. T-4-12
Completed 3/17/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, silty, light red to red
4 - 26	Amsden fill, red to dark red
26 - 30	ls, fractured, lavender
30 - 52	ls, grey to white
52 - 54	ls, grey chert str. at 52'
54 - 62	ls, light tan to yellow, limonitic
62 - 64	ls, lavender
64 - 66	ls, yellow
66 - 72	ls, coarse fractured, chert str. lavender to yellow
72 - 74	ls, fine xlln, grey white
74 - 86	ls, thin chert str., heavy limonitic staining
86 - 94	ls, very coarse xlln, abundant chert str. lavender to light tan
94 - 108	ls, medium xlln, grey to white
108 - 110	ls, light tan
110 - 158	ls, grey white
158 - 162	ls, light tan
162 - 166	ls, grey white
166 - 174	ls, yellow, limonitic
174 - 178	ls, grey white
178 - 182	ls, yellow, limonitic
182 - 190	ls, grey white, trace limonite staining
190 - 194	ls, very fine xlln, white to yellow orange
194 - 200	ls, fine xlln, grey white
200	total depth of hole

HOLE NO. T-4-13
Completed 3/16/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 10	ls, red and alluvium
10 - 14	reworked Amsden
14 - 16	ls, abundant limonitic staining
16 - 24	ls, tan coarse chert str.
24 - 42	ls, light tan
42 - 52	ls, grey
52 - 54	ls, grey with coarse fractured chert str.
54 - 78	ls, grey white to tan
78 - 82	ls, light brown
82 - 108	ls, grey white to tan
108 - 122	ls, tan to brown
122 - 168	ls, brown to light yellow, limonitic stain
168 - 190	ls, light tan grading to grey white
190	total depth of hole

HOLE NO. T-5-14
Completed 3/12/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 28	ls, fractured, red interspersed with reworked Amsden fill
28 - 38	ls, yellow, limonitic
38 - 46	reworked Amsden fill
46 - 54	ls, reddish brown
54 - 62	ls, light brown to tan
62 - 72	ls, grey white to tan
72 - 136	ls, light tan to brown
136 - 160	ls, light yellow, limonitic
160 - 170	ls, grey
170 - 190	ls, light tan
190 - 198	ls, grey white
198	total depth of hole

HOLE NO. T-6-15
Completed 3/16/59

Re: Docket DMEA - 4849 (Uranium)

GEOLOGIC LOG

0 - 4	alluvium, red
4 - 16	ls, grey to light tan
16 - 18	ls, yellow orange, abundant limonite stain
18 - 26	ls, grey to light tan
26 - 30	ls, light limonite stain, coarse chert str.
30 - 36	ls, grey white
36 - 42	ls, light yellow limonitic stain
42 - 54	ls, grey white
54 - 58	ls with some clay, grey tan
58 - 74	ls, grey white
74 - 76	ls, grey white to tan
76 - 80	ls with clay balls, light brown to yellow, cuttings balled indicating moisture
80 - 86	ls, grey white
86 - 98	ls, fine xlln, yellow, limonitic
98 - 100	ls, grey white
100 - 148	ls, light yellow grading gently to grey white at 148
148 - 156	ls, grey white
156 - 172	ls, light tan
172 - 200	ls, fine xlln, grey white to white
200	total depth of hole

HOLE NO. T-6-16
Completed 3/16/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 8	ls, lavender to light pink
8 - 14	ls, grey to light tan
14 - 28	ls, light tan to light pink
28 - 32	ls, grey white
32 - 36	ls, light pink
36 - 60	ls, grey white
60 - 62	ls, reddish brown
62 - 72	ls, light tan
72 - 76	ls, grey white
76 - 80	ls with clay balls, lavender to light brown, limonitic stain
80 - 99	ls, grey white
99 - 105	ls, dark red staining
105 - 110	ls, dark red grading to brown
110 - 148	ls, brown grading to light yellow limonitic stain
148 - 154	ls, fine xlln, grey white
154 - 158	ls, grey
158 - 162	ls, lavender
162 - 172	ls, light yellow, limonitic
172 - 190	ls, grey
190 - 200	ls, fine xlln, grey to white
200	total depth of hole

HOLE NO. T-6-17
Completed 3/12/59

Re: Docket DMEA 4849 (Uranium)

GEOLOGIC LOG

0 - 10	alluvium, grey brown to red
10 - 14	ls, light yellow, limonitic stain
14 - 26	ls, grey white, chert str.
26 - 32	ls, reddish brown
32 - 38	ls, light tan
38 - 58	ls, grey white
58 - 66	ls, light tan
66 - 90	ls, grey
90 - 114	ls, light yellow to tan
114 - 148	ls, grey to very light tan
148 - 168	ls, light yellow, limonitic stain
168 - 176	ls, grey-tan
176 - 200	ls, grey white
200	total depth of hole

124 West Second Street
Casper, Wyoming

March 26, 1959

Kanter-Levy Company
928 North Bend Road
Cincinnati 24, Ohio

Re: Docket DMEA-4849 (Uranium)
Contract ldm - # 1173
Kanter-Levy Company
(Cave Line et al Claim Groups)
Big Horn County, Wyoming

Gentlemen:

Please consider this correspondence as an invoice for the drilling of the first 17 holes of the above-captioned DMEA contract.

Hole #	Depth Probed	Cost
T-1-1	199'	$708.44
T-1-2	200'	712.00
T-2-3	197'	701.32
T-2-4	203'	722.68
T-2-5	197'	701.32
T-2-6	199'	708.44
T-2-7	201'	715.56
T-2-8	197'	701.32
T-4-9	160'	569.60
T-4-10	201'	715.56
T-4-11	197'	701.32
T-4-12	195'	694.20
T-4-13	186'	662.16
T-5-14	193'	687.08
T-6-15	199'	708.44
T-6-16	198'	704.88
T-6-17	200'	712.00
17 holes	3,322'	
	TOTAL INVOICE -	$11,826.32

Payment Schedule

Cash due on date of billing	-	$6,843.32
Carried interest	-	4,983.00
		$11,826.32

Respectfully submitted,

TETON EXPLORATION DRILLING CO., INC.

Richard K. Lisco

Richard K. Lisco

RKL:jb

YAPUNCICH, SANDERSON & BROWN
LABORATORIES

P. O. Box 593
PHONE 9-8979

20 NORTH 31ST STREET
BILLINGS, MONTANA

Date 4-22-59

Lab. No. 668-U

Invoice No.

Total Charges $

To: Teton Exploration Drilling
124 West 2nd Street
Casper, Wyoming

CERTIFIED URANIUM ASSAY REPORT

SAMPLE	RADIOMETRIC ASSAY Equivalent U_3O_8, % by weight	CHEMICAL ASSAY U_3O_8, % by weight
Kanter Levy-Dave Farm		
Well T-1-1		
1. 30-32	0.03	0.05
2. 32-34	0.04	0.06
3. 34-36	0.03	0.04
Well T-4-12		
4. 90-92	0.02	0.04

Signed by R. L. Brown
Chemist

EXTRA COPY O. M. E. RECEIVED MAY 15 1959		
DATE	INITIALS	CODE
5/15/59	G	220
"	[illegible]	110
5/18	[illegible]	700

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

Administrative Audit Difference Statement

Date: May 12, 1959
Payee's
Reference: June, November and December 1958
DMEA-4849

Hunter-Levy Co.
c/o Oppenheimer & Co.
25 Broad Street
New York 4, N.Y.

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

Amount Claimed $ 6,557.12

Difference $ 2,135.16

Amount Approved $ 4,421.96

The reason for the difference was due to:

Disallowance, Gravimetric and Levelling Survey
The contract provides for a maximum allowable unit cost of $4.54 per gravimetric station. The Operator has reported costs in excess of $4.54 per station, therefore the excess costs are to be disallowed, as follows
Amount reported, 974 stations at total cost of----------$6,557.12
Allowable cost, 974 stations at $4.54 per station---------- 4,421.96
Amount disallowed----------$2,135.16

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

224 New Customhouse
Denver 2, Colorado
May 12, 1959

Memorandum

To: T. A. Christensen

From: Executive Officer, OME Field Team, Region III

Subject: Docket No. DMEA 4849 (Uranium) Contract Idm-E1173
Hunter-Levy Company, (Cave Lina et al. claims)
Big Horn County, Wyoming - Operator's Monthly Progress
Report for the period June - December, 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.

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.

Disallowance, Gravimetric and Leveling Survey

The contract provides for a maximum allowable unit cost of $4.54 per gravimetric station. The Operator has reported costs in excess of $4.54 per station, therefore the excess costs are to be disallowed, as follows:

Amount reported, 974 stations at total cost of----------	$6,557.12
Allowable cost, 974 stations at $4.54 per station----------	4,421.96
Amount to be disallowed----------	$2,135.16

Reconciliation With Amount Reported by the Operator on Form MF-104 for Period June - December, 1958

Amount reported on Form MF-104 for June, November, and December, 1958----------	$6,557.12
Amount to be disallowed----------	2,135.16
Acceptable cost----------	$4,421.96

Government participation at 75 percent---------- $3,316.47

Reason for difference with engineer's calculation:

Engineer's calculation was based on 1000 stations; however, only 974 stations were surveyed, and reported by the Operator, therefore only 974 stations can be considered for reimbursement.

Remarks:

Date of Report----------May 5, 1959
Date Received in Field Office----------May 8, 1959
Date Received in Region Office----------May 11, 1959

Original signed by
J. W. TOWNSEND

J.W. Townsend

Enclosures

JBC:bmh

cc: Chem. Op. Comm. (2)
Marshall, OME/DPC
MF-104 file, Reg. III
Harshman) w/copy Engr's
Cooper) Report
Chrem

OME
DEPARTMENT OF THE INTERIOR

MAY 11 1959
REGION III
DENVER, COLORADO

May 8, 1959

Memorandum

To: Executive Officer, OME

From: M. H. Marshall

Subject: Kanter-Levy Co., Big Horn County, Wyo. DMEA 4849, Contract Idm-E1173
Progress report for June-December 1958

Enclosed are the original and four copies of Forms MF-104 and MF-104A with the required supporting data for June-December 1958.

The results of work reported for which reimbursement is claimed was inspected December 3, 1958.

Disallowance-Gravimetric and leveling survey

The contract provides for a gravity and leveling survey, 1000 stations at $4.54 per station at a maximum total cost of $4,540.00. The reported cost for the survey is $6,557.12. The excess amount is recommended for disallowance.

Reconciliation

Amount reported on Form MF-104 for the subject period	$6,557.12
Amount recommended for disallowance	2,017.12
Total acceptable cost for period	4,540.00
Government participation at 75 percent	$3,405.00

Milton H. Marshall
Milton H. Marshall
Mining Engineer

MHM/mr
cc: 6
Idm-E1173 chron

Fo[illegible] (Rev.)

Budget Bureau No. 42-R1036.5

MAY 15 1959 O.M.E

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

Month of ~~November~~ JUNE - DEC., 1958 Docket No. DMEA 4849 Contract No. 1 dn - E 1173

Operator's Name Kanter-Levy Company Minerals Uranium

Address 928 North Bend Road, Cincinnati, Ohio

Contract Amount, $ 41,240.00 Government Participation: 75 % Amount, $ 30,930.00

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
Stage I						
(1) Independent Contracts: Short Form						
Gravimetric & leveling survey	$6,557.12	-	$6,557.12			
~~Drilling~~						
Bulldozing						
Crosscutting						
Drifting						
(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	$6,557.12		$6,557.12	4421.96		4421.96

OME DEPARTMENT OF THE INTERIOR MAY 11 1959 REGION III DENVER, COLORADO

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

Date 5/5/59 *Payee Kanter-Levy Company

Per Richard K. Lisco Title Agent

Richard K. Lisco

*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:

$ 3316.47

Signature [illegible] (Authorized Certifying Officer)

Date 5/13/59 Vou. No. DME 59-107

(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. E1173 in accordance with the terms of the contract.

Signature M M Marshell Title Mining Engineer Date May 8, 1959

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

Signature [illegible] Title Executive Officer Date MAY 12 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

UNITED STATES
DEPARTMENT OF THE INTERIOR

DEFENSE MINERALS EXPLORATION ADMINISTRATION

OPERATOR'S UNIT COST AND PROGRESS REPORT

Month of ~~November~~ JUNE-DEC 1958 Docket No. DMEA 4849 Contract No. 1 dm - E 1173

Operator's Name Kanter-Levy Company Minerals Uranium

Address 928 North Bend Road, Cincinnati, Ohio

OPERATION	UNIT	COSTS THIS MONTH	UNITS THIS MONTH	COSTS TO DATE	UNITS TO DATE	UNIT COSTS TO DATE	AUTHORIZED BY CONTRACT	
							Units	Unit Costs
Stage I								
Gravimetric & leveling survey								
~~Drifting~~	Sta.	$6,557.12	974	$6,557.12	974	$6.732	1000	$4.54
Crosscutting								
Raising								
Shafts								
Winzes								
Drilling: Core								
Churn								
Auger								
Stripping								
Trenching								
Test Pits								
Roads and Trails								
TOTAL DISTRIBUTED COSTS		$6,557.12		$6,557.12				TOTAL COSTS AUTHORIZED BY CONTRACT
Operating Equipment Purchased								
Initial Rehabilitation and Repairs								
New Buildings, Improvements, etc.								
TOTAL COSTS		$6,557.12		$6,557.12				

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:

Date May 5, 1959 Operator Kanter-Levy Company

Per Richard K. Lisco Title Agent

Richard K. Lisco

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)

A Marshall

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

OME
DEPARTMENT OF THE INTERIOR

DEC 29 1958
REGION III
DENVER, COLORADO

December 24, 1958

Mr. E. N. Harshman,
Acting Executive Officer,
OME Field Team, Region III,
U. S. Dept. of the Interior,
224 New Customhouse,
Denver 2, Colorado.

Re: Docket No. DMEA 4849 (Uranium)
Contract No. Idm-E1173
Kanter-Levy Company
(Cave Line et al. claims)
Big Horn County, Wyoming.

Dear Mr. Harshman:

We are enclosing herewith original and four copies of Gravity Survey prepared by our geologist on subject contract.

Very truly yours,

HILARY MINERALS CO., INC.

Joseph H. Kanter
President

K:r

Encls. (5)

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 31 1958

DATE	INITIALS	CODE

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 31 1958

DATE	REMARKS	CODE

GEOLOGICAL AND GEOPHYSICAL SURVEYS

MINERAL DEPOSITS
PETROLEUM
GROUND WATER
BEDROCK STRUCTURE

MAGNETIC
GRAVITY
ELECTRICAL
RADIOACTIVITY

WILSON EXPLORATION COMPANY
MINING ENGINEERS AND GEOLOGISTS
366 SOUTH FIFTH EAST
SALT LAKE CITY 2, UTAH
ELGIN 5-4496

OFFICIAL FILE COPY
O. M. E.
RECEIVED DEC 31 1958

DATE	INITIALS	CODE

OME
DEPARTMENT OF THE INTERIOR
DEC 29 1958
REGION III
DENVER, COLORADO

December 17, 1958

Kanter-Levy Company
928 North Bend Road
Cincinnati 24, Ohio

Dear Sirs:

The attached report gives the results of a gravity survey we have conducted on your mining property on Little Mountain, near Lovell, Big Horn County, Wyoming. This report covers all work conducted during June, 1958, and November, 1958, and, therefore, supercedes the earlier Preliminary Report submitted June 25, 1958. The gravity survey was conducted in accordance with an Agreement between Clyde H. Wilson and "Kanter-Levy," dated May 29, 1958, and amended October 30, 1958.

During this work, determinations of "relative gravity" were made at 974 stations, disposed at intervals of 50 feet along 48,100 feet of traverse, across areas specified in the Agreement. Anomalies (gravity "lows") were indicated at 60 traverse locations, most of which, by subsequent correlation have been incorporated into 19 general areas of gravity low (Report, Plate I). These areas of gravity low represent underlying zones of decreased rock density, at relatively shallow depths in the subsurface; hence they may indicate the presence of porous and/or cavernous conditions in the Madison limestone favorable to the occurrence of uranium mineralization (Report, pp. 4-5).

In order to explore the indicated most favorable locations for possible deposits of uranium ore, a total of 30 test drill hole locations has been recommended and indicated, of which 13 are secondary or alternative locations, the drilling of which should depend to some extent upon results obtained at primary locations (Report, Plate I, and pp. 7-14).

In addition to a statement of survey results and recommendations as summarized above, the report contains 5 illustrative maps (Plates I-V), a description and explanation of the field work and general procedure, and a tabulation giving the elevation and value of relative gravity at each gravity station (Report, Appendix).

We shall be pleased to supply any additional information that may be possible as a result of this work.

Very truly yours,

Clyde H Wilson

Clyde H. Wilson
Geologist-Geophysical Eng'r.

Enclosure

RECEIVED DEC 31 1958

DATE	INITIALS	CODE

GRAVITY SURVEY

On

BROKEN HEART, CAVE LINE, TRI PACER, VALENTINE, AND VISTA

MINING CLAIMS

Near

LOVELL

BIG HORN COUNTY, WYOMING

For

KANTER-LEVY COMPANY

CINCINNATI, OHIO

By

WILSON EXPLORATION COMPANY

CLYDE M. WILSON, CONSULTING GEOLOGIST

SALT LAKE CITY, UTAH

December, 1958

STATISTICAL SUMMARY AND GENERAL INFORMATION

FIELD WORKING PERIODS:

June 11-20, 1958:	10 days	
Nov. 11-29, 1958:	19 days	Total: 29 days

FIELD WORKING DAYS:

June:	7 days	
November:	16-1/2 days	Total: 23-1/2 days

MAIN OFFICE COMPUTATIONS AND PREPARATION OF MAPS AND REPORTS: 156 man-hrs.
(Including time preparing preliminary report, June 25)

GRAVITY SURVEY:

Gravity Readings: Taken with two World Wide Instruments, Inc. gravity meters with scale constants respectively of 0.08087 and 0.11380 milligals per dial division;

Total Gravity Observations: (Including base stations for the determination of instrument drift and gravity closure): 1224

Net Stations: 974, for a total of 48,100 feet of traverse;

Field Readings: Reduced to milligals of relative gravity (Bouguer anomaly), relative to an arbitrary datum of 51.04 milligals assumed at Station 6 + 00 East, Traverse 1; employing the following corrections:

Correction For Instrument Drift: Computed from curves plotted from repeated observations at base stations, each day;

Elevation Correction: BOUGUER and "free air" effects combined: 0.06 milligals per foot, based upon a value of 2.66 for the specific gravity of the Madison limestone near the surface, as calculated from "density profiles" run in the field;

Latitude: Corrections for change of latitude were not necessary; combined influences of latitude change and regional gradient were evaluated graphically;

Regional Gradient: Because of regional influences, gravity gradients along the traverses vary with traverse orientations; where necessary, this influence was evaluated graphically;

Terrain: The influence of terrain irregularity on the gravity readings was minimized by locating the traverses so that they cross areas of low topographic relief; topographic profiles were used for evaluating terrain effects and for computing approximate terrain corrections at 19 stations.

FIELD SURVEYING:

Traverse Layout: Traverses were staked at 50-foot intervals and tied in to representative claim location markers, by transit and surveyor's tape;

Elevations: Determined by differential leveling around closed loops; maximum permissible error at any one station; 0.10 feet; arbitrary datum of 1000.0 feet assumed at 0+00, Traverse 1.

PRESENTATION OF THE GEOPHYSICAL RESULTS:

1. Gravity Profiles showing gravity gradients and Anomalies, with indicated correlations of gravity "lows";

2. Areal Map showing locations of gravity traverses and Anomalies, correlations of gravity "lows" and locations of recommended test drill holes.

LIST OF ACCOMPANYING MAPS AND ILLUSTRATIONS:

PLATE I: Gravity Traverses & Anomalies.

PLATE II: Gravity Profiles & Anomalies - Traverse 1 Grid.

PLATE III: Gravity Profiles & Anomalies - Traverse 3 and Traverse 2 Grid.

PLATE IV: Gravity Profiles & Anomalies - Traverse 4 Grid and Traverse 5 Grid.

PLATE V: Gravity Profiles & Anomalies - Traverse 7 and Traverse 6 Grid.

FIELD WORK CONDUCTED BY:

Clyde M. Wilson, Consulting Geologist, Wilson Exploration Co., Salt Lake City, Utah; assisted by Robert F. Parker, Geological Engineer, Riverton, Wyoming, and field helpers Frank Prine and Melvin Spomer.

GEOPHYSICAL SURVEY CONDUCTED IN COLLABORATION WITH:

Russ Christie and James Andrus of Lisbon Uranium Corp., representing Kanter-Levy Company in the field, for this work.

INTRODUCTION

This report gives the results of gravity surveys conducted on the Kanter-Levy property on Little Mountain on the west flank of the northern Big Horn Mountains, near Lovell, Big Horn County, Wyoming, during the periods June 11-20, 1958, and November 11-29, 1958. Gravity measurements were made along traverses extending across portions of the Broken Heart, Cave Line, Tri Pacer, Vista, and Valentine mining claims in Sections 19, 20, 21, and 29, Township 58 North, Range 94 West.

The purpose of the gravity survey was to locate near-surface porous and/or cavernous zones in the Madison limestone, in order to guide exploration for uranium ore mineralization which sometimes occupies these structures. Previous investigations conducted by us in this district have shown that the decrease in average formation density associated with an increase in porosity in the subsurface frequently is reflected at the surface by a related decrease in the force of gravity, locally. The field measurements, therefore, were directed to determining variations in the earth's gravitational field; more particularly to the mapping of local gravity anomalies (gravity "lows").

The gravity measurements were made with World Wide Instruments, Inc. gravity meters, capable of accurately determining variations in gravity as small as one ten-millionth of the earth's normal gravity field. By applying suitable corrections, the field readings were reduced to "relative gravity" in milligals and then plotted in profile, so as to show variations in gravity along the traverses. (See Statistical Summary, page 1, and Plates II-V.)

GEOLOGICAL BACKGROUND AND FACTORS INFLUENCING INTERPRETATION OF THE GRAVITY DATA

Conditions which control the development of porous and cavernous zones and the deposition of uranium mineralization in the Madison limestone in this district are not completely understood. It is known that certain porous and/or cavernous zones in the subsurface favor the deposition of uranium mineralization, sometimes in commercial grades and quantities. Topographic and surface geological features such as intersecting fractures, local structural basins, surface slumps, etc., in the Madison limestone are considered useful as guides to exploration, since they may indicate sites of possible development of cavernous conditions in the subsurface. In applying gravity measurements, therefore, it is advisable to conduct the measurements, where possible, across areas where one or all of the above-described conditions exist. However, because of the detrimental influence of rough terrain (terrain anomalies), gravity work can be usefully employed in this district only under conditions of low to moderate topographic relief. Consequently, it is not always possible to conduct the measurements at sites where surface geological indications are optimum.

There are several kinds of near-surface geological conditions which may cause local gravity anomalies in this area. Delineation of a gravity low, therefore, does not necessarily indicate an increase in porosity or cavernous conditions in the underlying Madison limestone. There are other geological conditions which may cause decreases in gravity, locally, because of the presence of formations of lower density at or near the surface, such as: (1) shallow stream channels of an earlier epoch;

(2) increases in depth of soil or alluvium, locally; (3) the presence of intervening Amsden formation or Amsden detritus lying on the irregular erosional surface of the Madison limestone, or in sink holes or other slumped zones; or (4) near-surface changes in petrology introduced by stratigraphic variations or by structural discontinuity or change (e.g., faults, folds, etc.). These various possibilities all must be considered in evaluating the gravity anomalies. In our previous work on Little Mountain we found that anomalies caused by irregularities in the thickness of Amsden formation or of soil cover rarely exceed 0.1 milligals intensity, whereas anomalies of larger intensity frequently represent porous zones in the Madison limestone, at somewhat greater depths.

FIELD WORK

The use of gravity surveying in the search for subsurface porous zones of relatively small dimensions requires the delineation of anomalies of small intensity (0.05 to 0.20 milligals, generally). In order to provide data of diagnostic accuracy the gravity measurements must be conducted along traverses or on extensive grids, so that small variations from "normal" gradient can be determined; and the influence of extraneous factors such as irregular terrain must be eliminated or minimized. Gravity observations at single stations spaced at random, or at specified locations a considerable distance apart, would be of no value, in this work.

Preliminary field inspection of the property revealed that although terrain characteristics over most of the property are not favorable for the use of gravity surveys, there are certain areas of moderate topographic

relief where gravity traverses of sufficient length to provide diagnostic data could be run. Consequently, it was agreed that the work would be conducted across four general "approximate areas" (see Plate I). These areas cover terrain of generally moderate relief and also include a few sites where previous prospecting has disclosed uranium mineralization at or near the surface and also other geologically favorable conditions such as are described in the previous section of this report.

The initial gravity work, conducted during June 1958, along Traverses 1, 2 and 3, was planned and conducted in accordance with the above-described general plan. (See Preliminary Report, June 25.) The work conducted during November 1958 continued the initial procedure and extended it to the other specified areas.

The general procedure was to conduct an initial gravity traverse across an area; then to follow up by conducting parallel traverses at certain locations for the purpose of confirming and further delineating anomalies (gravity lows) indicated on the initial traverses. The final pattern of traverses, therefore, is the result of an attempt to obtain sufficient data to indicate the approximate dimensions, trends, and other characteristics of indicated gravity lows, so as to permit selection of the best sites for test drilling for prospective subsurface porous zones (and possibly contained uranium mineralization).

Gravity readings were taken at intervals of 50 feet along each traverse. These readings, after appropriate correction (see Statistical Summary), were plotted as profiles of relative gravity (Plates II-V), from which deductions were made as to the significance of indicated gravity lows.

GRAVITY SURVEY RESULTS
AND
TEST DRILLING RECOMMENDATIONS

The results of the gravity survey are illustrated on five accompanying maps: four profile maps which show anomaly correlations between traverses and an areal map which shows: (1) traverse locations; (2) locations of anomalies (gravity lows) on each traverse; (3) locations and indicated trends of significant areas of gravity low; (4) location of recommended test drilling sites; and (5) general information pertaining to the land survey.

Most of the 60 indicated anomaly sites have been incorporated into 19 general areas of gravity low, for which descriptions and test drilling recommendations are given below.

Gravity Lows

Relative to traverse footage, the number of local gravity anomalies indicated during this survey is somewhat greater than in other areas on Little Mountain, where gravity work has been conducted. Evidently there are a considerable number of local variations in formation density near the surface, here. Whether this represents proportionately more porous and/or cavernous zones in the Madison limestone, here, favorable for ore prospecting, can be determined only by test drilling.

Area 1

This location was described in the Preliminary Report. The gravity low indicates the probable presence of an extensive zone of porous and/or cavernous conditions in the underlying Madison limestone. The prominent local anomaly does not appear on T-1:3+00 South. Prior drilling and

mining exploration in this immediate vicinity encountered uranium mineralization. This probably is associated with the porous conditions indicated by the gravity survey results.

Recommended Test Drilling: 3+00 West, Traverse 1 is recommended as a primary test drilling site. However, any test drilling in this area should be guided also by information from previous drill hole exploration in this vicinity, which may indicate that tests should be drilled at other locations within the area.

Area 2

The indicated gravity low (described in the Preliminary Report) extends chiefly between Traverse 1 and T-1:1+00 North, but also is discernible on T-1:1+00 South. The vicinity is soil covered, so no direct correlation to the Madison limestone can be made. The anomaly probably represents increased porosity and possible cavernous conditions in the underlying limestone.

Recommended Test Drilling: 7+00 West, Traverse 1 is recommended as a primary test drilling site.

Area 3

The presence of a sharp anomaly at 13+00 West, Traverse 1 was noted in the Preliminary Report. Its presence now has been confirmed on T-1:1+00 South, but it disappears to the southward. No geological correlation is possible because of the presence of soil and Amsden detritus.

Recommended Test Drilling: The anomaly is of minor dimensions and reflects conditions quite near the surface. 13+00 West, Traverse 1 has been selected as a secondary site for possible test drilling.

Area 4

The gravity low in this area was described in the Preliminary Report as follows: "Between about 12+00 West and 20+00 West there is a very pronounced decrease in gravity. The nature of the change is such as to suggest a cause other than local increase in porosity in the Madison limestone. Amsden formation outcrops on prominent hills northeastward and southwestward from the traverse site. However, at the traverse location there is no surface geological indication of sufficient thickness of Amsden formation to cause an anomaly of this magnitude, unless there is a large slump or depression in the Madison limestone surface. If this is the case, cavernous conditions could underlie the depressed area and give rise to a portion of the observed anomaly." Additional gravity work was not conducted at this location.

Recommended Test Drilling: A secondary site has been selected at 18+00 West, Traverse 1 for possible test drilling. The gravity low of Area 5 may represent a southwestward continuation of conditions underlying Area 4. Area 5 is believed to offer better sites for initial test drilling.

Area 5

The anomaly at 12+00 East, Traverse 2 was described in the Preliminary Report (referred to therein, however, as Anomaly 11+50 East). This gravity low now has been extended about 400 feet southwestward. It is a very prominent feature on the gravity profiles. This area is covered by soil and Amsden detritus and Amsden formation outcrops to the north on a prominent hill between Area 5 and Area 4. At the site of the gravity low, however, there is no evidence of a sufficient thickness of Amsden formation to cause an anomaly of this magnitude. There is a good probability that the anomaly represents porous and/or cavernous conditions in the underlying Madison limestone.

Recommended Test Drilling: To test this area of gravity low, four test drilling sites are recommended: primary sites at 12+00 East, Traverse 2 and 10+00 East, T-2:2+00 South; and secondary sites at 6+50 East and 9+00 East on T-2:3+00 South.

Area 6

The gravity low at 2+50 East, Traverse 2 was mapped during the June field work. Additional work in November has confirmed this anomaly and extended it southwestward some 300 feet. Since the Madison limestone probably is at or near the surface, here, this anomaly could represent porous conditions in the limestone.

Recommended Test Drilling: Two test drilling locations are recommended for this location: (1) a primary site at 0+00, T-2:2+00 South; (2) a secondary site at 2+50 East, Traverse 2.

Areas 7 and 8

The indicated gravity lows at these locations, although shown separately, may represent a continuous subsurface trend between the four traverses of Traverse 2 Grid; possibly a porous zone in the Madison limestone.

Recommended Test Drilling: Area 7: A primary test drilling site is recommended at 1+50 West, Traverse 2, the site of an anomaly indicated during the June work; Area 8: A primary test drilling site is recommended at 4+50 West, T-2:3+00 South.

Area 9

The gravity low at this location was described in the Preliminary Report. It occurs over outcropping Madison limestone, in an area where uranium mineralization has been discovered at the surface. Consequently, this location is considered to be a favorable site for a drilling test, notwithstanding the minor dimensions of the anomaly.

Recommended Test Drilling: 7+50 West, Traverse 2 is recommended as a primary test drilling site.

Area 10

This gravity low is an indicated extension of the small anomaly indicated at 2+50 West, Traverse 3, during the June field work. The Madison limestone is believed to lie at or very near the surface, here.

Recommended Test Drilling: A secondary test drilling site is recommended at 12+50 West, T-2:3+00 South.

Area 11

The prominent gravity low indicated here extends across the three traverses of Traverse 4 Grid; a distance of 300 feet. The area is soil covered, but the Madison limestone is believed to lie near the surface. The Amsden formation outcrops at higher elevations a short distance eastward.

Recommended Test Drilling: In view of the favorable characteristics of this anomaly, two primary test drilling sites have been selected: (1) 27+00 North, Traverse 4; (2) 27+00 North, T-4:3+00 West.

Area 12

The gravity low at this location is very similar to the anomaly of Area 11. The area is soil covered and the Amsden formation outcrops at higher elevations at relatively short distances eastward and westward. The position of this anomaly suggests that it may lie along a possible structural trend extending northeastward from Areas 4 and 5. Only drilling exploration can determine whether this anomaly represents increased porosity in the underlying Madison limestone.

Recommended Test Drilling: Because of the favorable characteristics of this anomaly, three test drilling sites are recommended: (1) a primary site at 17+00 North, T-4:1+00 West and (2) secondary sites at 18+50 North, Traverse 4 and 18+00 North, T-4:3+00 West.

Area 13

The initial gravity measurements along Traverse 4 disclosed a prominent anomaly at 2+50 North. It appeared that this gravity low might be an extension of the two small anomalies indicated at 2+50 East and 5+00 East, Traverse 1, during the June work. That this, in fact, is the case was subsequently confirmed by extending Traverse 5 a short distance westward, resulting in the mapping of confirmatory anomalies at 1+00 West and 3+00 West. Area 13 is soil covered, with Amsden formation outcropping at higher elevations a short distance east of Traverse 4. Consequently, direct correlation to the Madison limestone cannot be made.

Recommended Test Drilling: Two test drilling sites are recommended at this location: (1) a primary site at 2+50 North, Traverse 4; (2) a secondary site at 3+00 West, Traverse 5.

Area 14

The gravity low at this location represents a correlation of anomalies that were indicated on Traverses 4, 5 and 6, which strongly suggests a northeastward-trending gravity low of relatively large dimensions. This area (immediately south of the Ryan camp) is soil covered, so that no geological correlation is possible. The anomaly is one of the strongest mapped during this survey.

Recommended Test Drilling: Initial test drilling is recommended at 5+00 South, Traverse 4; with 5+00 East, Traverse 5 as a secondary site.

Area 15

This location is soil covered, with Amsden formation outcropping at higher elevations, nearby, on three sides.

Recommended Test Drilling: A drilling test is recommended at 14+00 East, Traverse 5 in order to determine whether the gravity anomaly represents an increase of porosity in the Madison limestone.

Area 16

The strong anomaly at this location occurs over outcropping Madison limestone, in the vicinity of surface excavations and prior drill holes which disclosed the presence of uranium mineralization. The gravity low was confirmed on two traverses, but rugged terrain prevented the making of additional gravity measurements to the north of Traverse 8. This anomaly probably represents porous and/or cavernous conditions in the Madison limestone.

Recommended Test Drilling: New drilling tests of this area should be governed somewhat by any available information from prior exploration in the vicinity. Based upon the gravity work alone, the following test drilling sites are recommended: a primary site at 11+50 West, Traverse 8; secondary sites at 9+50 West, Traverse 8 and 11+50 West, T-8:1+00 South.

Area 17

The gravity low, here, occurs on a gently rounded ridge in the Madison limestone. The sharpness of the anomaly, as confirmed on three traverses, suggests that it may represent a cavernous zone near the surface in the limestone.

Recommended Test Drilling: A primary test drilling site is recommended at 16+00 West, Traverse 6.

Area 18

Minor anomalies on Traverses 6 and 7 probably represent a continuous zone as shown on the map (Plate I). However, because of the small dimensions of the anomaly, no drilling recommendations have been made.

Area 19

A sharp gravity anomaly extends across the three traverses in this area, which lies over Madison limestone in a locality where prior drilling and surface excavation has revealed uranium mineralization. The anomaly probably represents a zone of increased porosity in the Madison limestone.

Recommended Test Drilling: Two test drilling sites are recommended: (1) a primary site at 34+50 West, T-6:1+00 North; (2) a secondary site at 34+50 West, Traverse 6. Test drilling, here, should also be governed by any information available from prior exploration in this vicinity.

Other Anomaly Locations

The contract limitation of the field investigations to a permissible maximum of 1000 gravity stations prevented offset traverse detailing of the following anomalies: 31+00 North, T-4:1+00 West; 9+00 East, T-5:1+00 South; 16+00 South, Traverse 4 and 27+50 West, Traverse 7. Consequently, no drilling recommendations are submitted for these locations.

Clyde H. Wilson 12/17/58
Clyde H. Wilson
Geologist-Geophysical Eng'r.

APPENDIX

Gravity Survey Data*

Traverse 1 (T-1)

Station	Elevation	Relative Gravity
7 + 50 E	1044.5	51.10
7 + 00	1041.5	51.07
6 + 50	1038.3	51.07
6 + 00	1035.4	51.04
5 + 50	1032.4	50.98
5 + 00	1029.7	50.96
4 + 50	1027.4	50.99
4 + 00	1025.7	51.05
3 + 50	1023.7	51.04
3 + 00	1021.4	50.97
2 + 50	1018.5	50.95
2 + 00	1014.6	50.94
1 + 50	1009.0	51.01
1 + 00	1005.1	51.03
0 + 50 E	1002.6	51.04
0 + 00	1000.0	51.03
0 + 50 W	997.1	50.95
1 + 00	994.7	50.83
1 + 50	992.8	50.79
2 + 00	990.3	50.73
2 + 50	988.7	50.67
3 + 00	986.6	50.68
3 + 50	983.6	50.70
4 + 00	979.9	50.84
4 + 50	979.8	50.96
5 + 00	981.2	50.99
5 + 50	982.6	51.00
6 + 00	981.4	50.95
6 + 50	981.1	50.85
7 + 00	980.9	50.82
7 + 50	980.9	50.81
8 + 00	980.8	50.84
8 + 50	980.1	51.06
9 + 00	977.8	51.13
9 + 50	975.1	51.11
10 + 00	972.6	51.12
10 + 50	971.9	51.10
11 + 00	972.0	51.02
11 + 50	975.2	51.00
12 + 00 W	975.8	50.96

Traverse 1 (T-1) (Cont.)

Station	Elevation	Relative Gravity
12 + 50 W	975.5	50.82
13 + 00	976.3	50.80
13 + 50	980.6	50.89
14 + 00	981.3	50.93
14 + 50	980.3	50.90
15 + 00	979.0	50.85
15 + 50	976.5	50.77
16 + 00	974.8	50.71
16 + 50	970.5	50.72
17 + 00	967.3	50.77
17 + 50	965.0	50.71
18 + 00	963.2	50.68
18 + 50	960.2	50.71
19 + 00	958.0	50.69
19 + 50	956.4	50.77
20 + 00	954.0	50.90
20 + 50	950.7	50.95
21 + 00	946.9	51.06
21 + 50	939.0	51.08
22 + 00	924.4	51.10
22 + 50	932.6	51.10
23 + 00	925.0	51.09
23 + 50	920.6	51.15
24 + 00	917.6	51.11
24 + 50	918.8	51.07
25 + 00	917.7	51.03
25 + 50	916.4	51.05
26 + 00	911.3	51.06
26 + 50	904.5	51.05
27 + 00	898.7	51.02
27 + 50	892.4	50.99
28 + 00	884.8	51.00
28 + 50	883.2	51.00
29 + 00	889.2	50.93
29 + 50	900.3	50.93
30 + 00	899.8	50.95
30 + 50	898.0	50.96
31 + 00	896.5	50.91
31 + 50	898.4	50.87
32 + 00 W	895.5	50.89

* See explanation at end of tabulation.

T-1: 1 + 00 North

Station	Elevation	Relative Gravity
1 + 50 E	1008.3	51.15
1 + 00	1005.6	51.09
0 + 50 E	1003.4	51.08
0 + 00	1001.1	51.11
0 + 50 W	998.9	51.06
1 + 15 W	996.1	51.01
1 + 50	994.3	50.98
2 + 00	992.4	50.90
2 + 50	990.2	50.89
3 + 00	987.6	50.95
3 + 50	985.2	51.00
4 + 00	982.9	50.97
4 + 50	986.1	50.99
5 + 00	987.0	50.98
5 + 50	987.5	50.92
6 + 00	986.9	50.88
6 + 50	986.9	50.80
7 + 00	987.1	50.86
7 + 50	987.7	50.93
8 + 00	987.0	50.97
8 + 50	985.1	50.97
9 + 00	981.3	50.97
9 + 50	979.6	50.92
10 + 00 W	976.7	50.86

T-1: 1 + 00 South

1 + 50 E.	1018.2	50.86
1 + 00	1014.3	50.81
0 + 50 E	1009.7	50.84
0 + 00	1002.3	50.83
0 + 50 W	994.5	50.67
1 + 00	980.5	50.71
1 + 50	973.8	50.62
2 + 00	971.7	50.60
2 + 50	971.1	50.62
3 + 00	971.3	50.62
3 + 50	974.0	50.64
4 + 00	980.8	50.61
4 + 50	977.8	50.76
5 + 00	978.9	50.85
5 + 50 W	976.6	50.90

T-1: 1 + 00 South (Cont.)

Station	Elevation	Relative Gravity
6 + 00 W	979.0	50.85
6 + 50	976.4	50.89
7 + 00	975.9	50.89
7 + 50	975.7	50.92
8 + 00	976.7	50.98
8 + 50	978.4	51.05
9 + 00	978.3	51.08
9 + 50	976.0	51.08
10 + 00	973.2	51.11
10 + 50	969.9	51.11
11 + 00	965.7	51.07
11 + 50	968.7	51.03
12 + 00	970.8	50.96
12 + 50	971.6	50.90
13 + 00	969.0	50.75
13 + 50	969.8	50.83
14 + 00	974.3	50.86
14 + 50	974.8	50.85
15 + 00	974.0	50.79
15 + 50	974.7	50.78
16 + 00	972.3	50.78
16 + 50	970.4	50.75
17 + 00	967.8	50.71
17 + 50	966.4	50.65
18 + 00 W	968.6	50.59

T-1: 2 + 00 South

2 + 00 E	1013.2	50.91
1 + 50	1013.8	50.92
1 + 00	1013.2	50.92
0 + 50 E	1011.9	50.92
0 + 00	1007.4	50.93
0 + 50 W	1003.2	50.91
1 + 00	998.0	50.89
1 + 50	994.0	50.88
2 + 00	991.3	50.88
2 + 50	989.2	50.88
3 + 00	988.2	50.87
3 + 50	988.0	50.88
4 + 00	989.3	50.92
4 + 50 W	989.4	50.91

T-1: 3 + 00 South (Cont.)

Station	Elevation	Relative Gravity
5 + 00 W	988.0	50.89
5 + 50	985.1	50.90
6 + 00	975.6	50.98
6 + 50	972.6	50.95
7 + 00	964.0	51.00
7 + 50	967.4	51.04
8 + 00	970.1	51.06
8 + 50	969.5	51.04
9 + 00	967.1	51.06
9 + 50	964.3	51.10
10 + 00	961.9	51.11
10 + 50	957.6	51.12
11 + 00	958.7	51.12
11 + 50	961.3	51.09
12 + 00	960.1	51.07
12 + 50	958.5	51.08
13 + 00	961.8	51.04
13 + 50	962.0	51.04
14 + 00	962.0	51.06
14 + 50	964.2	51.03
15 + 00	965.7	50.98
15 + 50	960.5	51.03
16 + 00	957.6	51.04
16 + 50	956.9	51.01
17 + 00	957.6	50.97
17 + 50	961.0	50.90
18 + 00 W	963.4	50.83

Traverse 2 (T-2)

Station	Elevation	Relative Gravity
9 + 00 W	792.5	50.58
8 + 50	799.9	50.55
8 + 00	809.8	50.54
7 + 50	819.2	50.50
7 + 00	828.2	50.54
6 + 50	844.6	50.68
6 + 00	856.6	50.72
5 + 50	863.3	50.74
5 + 00	866.8	50.77
4 + 50	867.8	50.77
4 + 00	867.1	50.79
3 + 50	865.9	50.74
3 + 00 W	868.2	50.75

Traverse 2 (T-2) (Cont.)

Station	Elevation	Relative Gravity
2 + 50 W	873.3	50.72
2 + 00	883.3	50.71
1 + 50	891.4	50.69
1 + 00	896.0	50.74
0 + 50 W	895.6	50.80
0 + 00	895.5	50.88
0 + 50 E	885.4	50.87
1 + 00	896.2	50.89
1 + 50	899.0	50.85
2 + 00	900.1	50.80
2 + 50	903.1	50.77
3 + 00	905.0	50.78
3 + 50	904.1	50.81
4 + 00	904.2	50.85
4 + 50	909.0	50.86
5 + 00 E	906.6	50.85
5 + 50	906.7	50.91
6 + 00	910.6	50.87
6 + 50	917.4	50.91
7 + 00	921.2	50.94
7 + 50	927.8	50.86
8 + 00	933.6	50.86
8 + 50	940.5	50.81
9 + 00	940.3	50.81
9 + 50	944.8	50.81
10 + 00	947.8	50.79
10 + 50	953.6	50.77
11 + 00	955.9	50.63
11 + 50	956.3	50.58
12 + 00	955.6	50.57
12 + 50	952.4	50.68
13 + 00	949.1	50.79
13 + 50	946.2	50.84
14 + 00	944.9	50.89
14 + 50	945.8	50.91
15 + 00	946.2	50.91
15 + 50	941.8	50.90
16 + 00	941.9	50.87
16 + 50	938.7	50.89
17 + 00	932.1	50.91
17 + 55 E	938.2	50.86

Traverse 3 (T-3)

Station	Elevation	Relative Gravity
2 + 50 E	834.0	50.58
2 + 00	825.0	50.56
1 + 50	816.4	50.56
1 + 00	808.5	50.50
0 + 50 E	800.1	50.53
0 + 00	792.5	50.58
0 + 50 W	777.3	50.59
1 + 00	785.8	50.55
1 + 50	781.4	50.58
2 + 00	778.7	50.55
2 + 50	780.0	50.50
3 + 00	779.2	50.52
3 + 50	779.1	50.57
4 + 00	777.7	50.61
4 + 50	779.3	50.61
5 + 00	783.3	50.67
5 + 50	774.9	50.70
6 + 00	775.1	50.65
6 + 50	774.8	50.63
7 + 00	786.3	50.60
7 + 50	794.9	50.60
8 + 00	797.0	50.61
8 + 50 W	789.1	50.64

T-2: 1 + 00 South

Station	Elevation	Relative Gravity
6 + 00 W	851.9	50.68
5 + 50	855.6	50.66
5 + 00	858.8	50.67
4 + 50	860.6	50.65
4 + 00	860.5	50.63
3 + 50	865.3	50.66
3 + 00	872.9	50.69
2 + 50	876.2	50.68
2 + 00	883.8	50.63
1 + 50	891.0	50.60
1 + 00	891.5	50.68
0 + 50 W	892.3	50.72
0 + 00	892.9	50.70
0 + 50 E	892.6	50.73
1 + 00	893.1	50.74
1 + 50	895.4	50.69
2 + 00	897.3	50.60
2 + 50 E	899.5	50.58

T-2: 1 + 00 South (Cont.)

Station	Elevation	Relative Gravity
3 + 00 E	901.8	50.71
3 + 50	906.6	50.75
4 + 00	908.5	50.76
4 + 50	906.5	50.78
5 + 00	905.9	50.81
5 + 50	909.3	50.84
6 + 00	913.0	50.82
6 + 50	916.3	50.81
7 + 00	919.9	50.78
7 + 50	923.9	50.76
8 + 00	926.6	50.78
8 + 50	930.4	50.75
9 + 00	930.4	50.74
9 + 50	936.1	50.72
10 + 00	942.0	50.67
10 + 50	942.7	50.63
11 + 00	943.1	50.61
11 + 50	944.1	50.57
12 + 00	940.3	50.61
12 + 50	938.5	50.69
13 + 00	939.8	50.75
13 + 50	938.8	50.77
14 + 00	940.3	50.78
14 + 50	941.3	50.79
15 + 00	942.3	50.78
15 + 50	938.7	50.79
16 + 00 E	935.5	50.80

T-2: 3 + 00 South

Station	Elevation	Relative Gravity
16 + 00 W	791.2	50.50
15 + 50	787.4	50.46
15 + 00	788.1	50.47
14 + 50	789.3	50.44
14 + 00	787.8	50.45
13 + 50	789.6	50.45
13 + 00	793.8	50.34
12 + 50	795.1	50.37
12 + 00	794.0	50.33
11 + 50	801.1	50.32
11 + 00	805.9	50.40
10 + 50	807.3	50.43
10 + 00	811.1	50.49
9 + 50 W	817.5	50.57

T-2: 3 + 00 South (Cont.)

Station	Elevation	Relative Gravity
9 + 00 W	821.7	50.61
8 + 50	822.1	50.66
8 + 00	829.9	50.69
7 + 50	829.5	50.67
7 + 00	830.0	50.70
6 + 50	836.1	50.62
6 + 00	839.1	50.61
5 + 50	841.0	50.56
5 + 00	845.0	50.45
4 + 50	856.8	50.40
4 + 00	872.3	50.47
3 + 50	876.7	50.52
3 + 00	873.0	50.58
2 + 50	872.4	50.58
2 + 00	879.1	50.58
1 + 50	880.7	50.59
1 + 00	882.8	50.59
0 + 50 W	885.2	50.56
0 + 00	885.9	50.58
0 + 50 E	884.5	50.59
1 + 00	885.5	50.63
1 + 50	889.7	50.62
2 + 00	890.0	50.67
2 + 50	889.8	50.68
3 + 00	890.0	50.71
3 + 50	892.8	50.73
4 + 00	891.6	50.74
4 + 50	890.9	50.73
5 + 00	895.0	50.68
5 + 50	896.8	50.62
6 + 00	905.0	50.50
6 + 50	909.0	50.43
7 + 00	909.0	50.42
7 + 50	909.2	50.47
8 + 00	909.7	50.47
8 + 50	913.6	50.41
9 + 00	919.3	50.38
9 + 50	923.6	50.42
10 + 00	927.2	50.41
10 + 50	928.0	50.48
11 + 00	925.4	50.51
11 + 50 E	925.2	50.52

T-2: 3 + 00 South (Cont.)

Station	Elevation	Relative Gravity
12 + 00 E	924.1	50.61
12 + 50	923.6	50.66
13 + 00	924.0	50.66
13 + 50	925.4	50.68
14 + 00	931.7	50.71
14 + 50	938.1	50.67
15 + 00	941.4	50.66
15 + 50	940.5	50.69
16 + 00	938.6	50.69
16 + 50	931.2	50.71
17 + 00	921.3	50.72
17 + 45 E	919.9	50.77

T-2: 2 + 00 South

13 + 00 W	785.22	50.49
12 + 50	787.13	50.46
12 + 00	798.46	50.40
11 + 50	805.23	50.44
11 + 00	808.81	50.48
10 + 50	800.16	50.49
10 + 00	801.64	50.48
9 + 50	801.88	50.51
9 + 00	810.18	50.52
8 + 50	818.14	50.59
8 + 00	820.61	50.70
7 + 50	818.59	50.74
7 + 00	823.80	50.75
6 + 50	828.94	50.78
6 + 00	838.67	50.73
5 + 50	843.62	50.72
5 + 00	847.77	50.62
4 + 50	853.01	50.58
4 + 00	861.46	50.58
3 + 50	872.79	50.63
3 + 00	877.26	50.64
2 + 50	879.67	50.66
2 + 00	879.80	50.67
1 + 50	882.29	50.63
1 + 00	884.46	50.62
0 + 50 W	891.37	50.58
0 + 00	894.04	50.53

T-2: 2 + 60 South (Cont.)

Station	Elevation	Relative Gravity
0 + 50 E	890.86	50.56
1 + 00	891.01	50.59
1 + 50	891.19	50.61
2 + 00	892.72	50.65
2 + 50	896.01	50.71
3 + 00	898.44	50.71
3 + 50	901.11	50.73
4 + 00	902.54	50.73
4 + 50	897.85	50.77
5 + 00	903.12	50.77
5 + 50	905.99	50.75
6 + 00	911.98	50.68
6 + 50	913.25	50.62
7 + 00	915.70	50.58
7 + 50	923.33	50.55
8 + 00	922.29	50.56
8 + 50	920.27	50.62
9 + 00	926.50	50.56
9 + 50	932.68	50.52
10 + 00	935.56	50.50
10 + 50	935.46	50.53
11 + 00	935.09	50.55
11 + 50	932.19	50.59
12 + 00	931.17	50.60
12 + 50	930.77	50.63
13 + 00	930.60	50.67
13 + 50	931.73	50.73
14 + 00	934.31	50.74
14 + 50	938.17	50.74
15 + 00	941.75	50.73
15 + 50	940.46	50.74
16 + 00	935.29	50.81
16 + 50	928.19	50.79
17 + 00 E	921.21	50.80

Traverse 4 (T-4)

Station	Elevation	Relative Gravity
35 + 00 N	998.28	52.15
34 + 50	998.81	52.17
34 + 00	998.70	52.15
33 + 50	999.94	52.15
33 + 00	999.83	52.13
32 + 50	998.53	52.08
32 + 00 N	999.19	52.06

Traverse 4 (T-4) (Cont.)

Station	Elevation	Relative Gravity
31 + 50 N	998.20	52.04
31 + 00	998.11	52.01
30 + 50	998.01	52.00
30 + 00	997.79	51.98
29 + 50	998.05	51.94
29 + 00	997.94	51.89
28 + 50	998.99	51.88
28 + 00	1001.71	51.84
27 + 50	1005.26	51.78
27 + 00	1006.99	51.78
26 + 50	1006.60	51.80
26 + 00	1008.42	51.86
25 + 50	1010.52	51.91
25 + 00	1011.71	51.93
24 + 50	1012.92	51.94
24 + 00	1013.93	51.94
23 + 50	1014.74	51.92
23 + 00	1014.74	51.89
22 + 50	1016.51	51.87
22 + 00	1017.26	51.86
21 + 50	1018.94	51.84
21 + 00	1020.28	51.84
20 + 50	1021.42	51.80
20 + 00	1020.21	51.76
19 + 50	1019.87	51.70
19 + 00	1018.72	51.66
18 + 50	1017.75	51.61
18 + 00	1017.76	51.59
17 + 50	1017.77	51.58
17 + 00	1017.85	51.53
16 + 50	1018.08	51.52
16 + 00	1018.58	51.60
15 + 50	1018.97	51.65
15 + 00	1019.46	51.67
14 + 50	1019.60	51.67
14 + 00	1019.00	51.69
13 + 50	1019.79	51.68
13 + 00	1019.24	51.66
12 + 50	1019.23	51.61
12 + 00	1019.61	51.59
11 + 50	1019.98	51.55
11 + 00	1020.69	51.54
10 + 50	1021.30	51.53
10 + 00 N	1022.12	51.49

Traverse 4 (T-4) (Cont.)

Station	Elevation	Relative Gravity
9 + 50 N	1022.86	51.44
9 + 00	1025.06	51.43
8 + 50	1025.58	51.41
8 + 00	1027.79	51.41
7 + 50	1026.79	51.39
7 + 00	1025.19	51.35
6 + 50	1025.60	51.31
6 + 00	1025.91	51.25
5 + 50	1026.34	51.18
5 + 00	1026.05	51.16
4 + 50	1026.22	51.08
4 + 00	1026.49	51.02
3 + 50	1027.81	50.94
3 + 00	1028.58	50.83
2 + 50	1029.29	50.85
2 + 00	1030.86	50.83
1 + 50	1031.93	50.87
1 + 00	1033.34	50.92
0 + 50 N	1034.52	51.01
0 + 00	1035.42	51.04
0 + 50 S	1036.81	51.07
1 + 00	1039.28	51.08
1 + 50	1040.07	51.04
2 + 00	1036.35	51.01
2 + 50	1033.59	50.90
3 + 00	1027.31	50.81
3 + 50	1028.42	50.70
4 + 00	1026.06	50.68
4 + 50	1024.82	50.63
5 + 00	1023.18	50.62
5 + 50	1021.44	50.62
6 + 00	1019.09	50.64
6 + 50	1018.02	50.65
7 + 00	1015.03	50.67
7 + 50	1016.20	50.73
8 + 00	1023.96	50.75
8 + 50	1033.01	50.81
9 + 00	1040.80	50.83
9 + 50	1046.50	50.84
10 + 00	1049.06	50.83
10 + 50	1044.86	50.84
11 + 00	1042.58	50.84
11 + 50 S	1044.63	50.80

Traverse 4 (T-4) (Cont.)

Station	Elevation	Relative Gravity
12 + 00 S	1047.29	50.73
12 + 50	1048.16	50.69
13 + 00	1050.66	50.63
13 + 50	1052.65	50.60
14 + 00	1054.51	50.59
14 + 50	1056.47	50.57
15 + 00	1058.68	50.50
15 + 50	1061.27	50.46
16 + 00	1063.71	50.42
16 + 50	1065.12	50.43
17 + 00	1068.60	50.44
17 + 50	1071.11	50.46
18 + 00	1073.85	50.44
18 + 50	1077.36	50.40
19 + 00	1080.12	50.36
19 + 50	1084.02	50.28
20 + 00 S	1089.76	50.25

T-4: 1 + 00 West

35 + 00 N	991.96	52.06
34 + 50	992.59	52.02
34 + 00	993.12	52.01
33 + 50	992.10	51.98
33 + 00	991.30	52.01
32 + 50	991.16	52.02
32 + 00	991.74	52.01
31 + 50	991.42	51.94
31 + 00	991.69	51.92
30 + 50	991.98	51.95
30 + 00	993.12	51.97
29 + 50	993.36	51.98
29 + 00	994.31	51.96
28 + 50	996.80	51.93
28 + 00	999.33	51.89
27 + 50	1002.81	51.87
27 + 00	1003.91	51.86
26 + 50	1005.61	51.92
26 + 00	1005.34	51.97
25 + 50	1006.70	51.97
25 + 00	1008.20	51.99
24 + 50	1008.23	51.98
24 + 00 N	1008.73	51.98

T-4: 1 + 00 West (Cont.)

Station	Elevation	Relative Gravity
23 + 50 N	1009.36	51.95
23 + 00	1009.24	51.91
22 + 50	1011.32	51.90
22 + 00	1014.73	51.85
21 + 50	1014.99	51.86
21 + 00	1014.63	51.83
20 + 50	1014.54	51.82
20 + 00	1013.93	51.73
19 + 50	1014.58	51.69
19 + 00	1013.36	51.64
18 + 50	1012.80	51.60
18 + 00	1012.80	51.52
17 + 50	1013.15	51.46
17 + 00	1013.07	51.43
16 + 50	1013.63	51.45
16 + 00	1014.30	51.49
15 + 50	1015.12	51.58
15 + 00	1015.65	51.65
14 + 50	1015.71	51.67
14 + 00	1015.54	51.66
13 + 50	1016.03	51.66
13 + 00 N	1016.11	51.63

T-4: 3 + 00 West

Station	Elevation	Relative Gravity
35 + 00 N	979.11	51.87
34 + 50	980.89	51.85
34 + 00	978.67	51.86
33 + 50	972.01	51.86
33 + 00	969.29	51.87
32 + 50	972.06	51.90
32 + 00	977.86	51.86
31 + 50	982.36	51.88
31 + 00	983.51	51.91
30 + 50	984.88	51.94
30 + 00	988.49	51.91
29 + 50	993.39	51.93
29 + 00	993.19	51.88
28 + 50	994.52	51.85
28 + 00	997.37	51.77
27 + 50	998.98	51.68
27 + 00 N	998.36	51.48

T-4: 3 + 00 West (Cont.)

Station	Elevation	Relative Gravity
26 + 50 N	998.61	51.68
26 + 00	999.24	51.70
25 + 50	1000.69	51.71
25 + 00	1001.16	51.75
24 + 50	999.98	51.79
24 + 00	1000.14	51.82
23 + 50	1001.35	51.79
23 + 00	1000.93	51.77
22 + 50	1000.57	51.76
22 + 00	1001.57	51.75
21 + 50	1001.87	51.71
21 + 00	1002.13	51.66
20 + 50	1003.65	51.61
20 + 00	1002.57	51.54
19 + 50	1002.55	51.52
19 + 00	1003.03	51.47
18 + 50	1004.01	51.39
18 + 00	1005.14	51.38
17 + 50	1006.40	51.39
17 + 00	1007.49	51.44
16 + 50	1008.79	51.56
16 + 00	1010.26	51.60
15 + 50	1011.50	51.64
15 + 00	1012.87	51.65
14 + 50	1014.09	51.68
14 + 00	1013.19	51.62
13 + 50	1012.28	51.58
13 + 00	1010.53	51.55
12 + 50	1008.25	51.55
12 + 00	1007.31	51.54
11 + 50	1006.69	51.51
11 + 00	1006.21	51.48
10 + 50	1005.31	51.44
10 + 00	1005.43	51.43
9 + 50	1004.72	51.42
9 + 00	1004.51	51.40
8 + 50	1004.61	51.37
8 + 00	1007.26	51.33
7 + 50	1008.51	51.29
7 + 00	1010.06	51.24
6 + 50	1009.65	51.20
6 + 00	1008.00	51.14
5 + 50	1007.24	51.11
5 + 00 N	1007.64	51.09

Traverse 5 (T-5)

Station	Elevation	Relative Gravity
5 + 00 W	1009.56	51.08
4 + 50	1011.48	51.04
4 + 00	1014.37	51.02
3 + 50	1018.36	50.93
3 + 00	1020.36	50.90
2 + 50	1023.05	50.97
2 + 00	1025.46	51.01
1 + 50	1027.74	50.98
1 + 00	1030.53	50.97
0 + 50 W	1033.15	50.99
0 + 00	1035.42	51.04
0 + 50 E	1037.85	51.06
1 + 00	1040.97	51.08
1 + 50	1042.54	51.10
2 + 00	1042.17	51.08
2 + 50	1040.07	51.06
3 + 00	1040.03	50.95
3 + 50	1037.81	50.89
4 + 00	1037.33	50.82
4 + 50	1035.33	50.79
5 + 00	1032.01	50.76
5 + 50	1031.17	50.78
6 + 00	1033.46	50.80
6 + 50	1035.55	50.83
7 + 00	1036.50	50.90
7 + 50	1037.54	50.91
8 + 00	1038.24	50.94
8 + 50	1040.22	50.95
9 + 00	1042.01	50.89
9 + 50	1043.40	50.87
10 + 00	1044.95	50.86
10 + 50	1046.59	50.83
11 + 00	1048.29	50.81
11 + 50	1049.90	50.78
12 + 00	1051.11	50.78
12 + 50	1052.45	50.76
13 + 00	1054.64	50.72
13 + 50	1056.55	50.70
14 + 00	1058.24	50.62
14 + 50	1059.52	50.63
15 + 00	1061.59	50.64
15 + 50	1062.34	50.66
16 + 00 E	1065.09	50.70

Traverse 5 (T-5) (Cont.)

Station	Elevation	Relative Gravity
16 + 50 E	1067.56	50.75
17 + 00	1069.68	50.80
17 + 50	1071.81	50.78
18 + 00	1074.28	50.77
18 + 50	1076.97	50.80
19 + 00 E	1079.82	50.78

T-5: 1 + 00 South

Station	Elevation	Relative Gravity
2 + 00 E	1033.42	51.01
2 + 50	1034.30	51.00
3 + 00	1034.01	50.94
3 + 50	1033.16	50.88
4 + 00	1032.40	50.73
4 + 50	1031.05	50.71
5 + 00	1028.32	50.67
5 + 50	1026.83	50.74
6 + 00	1029.08	50.77
6 + 50	1030.49	50.76
7 + 00	1029.73	50.79
7 + 50	1033.04	50.79
8 + 00	1034.52	50.81
8 + 50	1036.46	50.76
9 + 00	1037.71	50.70
9 + 50	1039.30	50.70
10 + 00	1041.00	50.78
10 + 50	1042.64	50.80
11 + 00	1044.13	50.78
11 + 50	1045.84	50.76
12 + 00	1047.42	50.73
12 + 50	1049.08	50.73
13 + 00	1050.38	50.71
13 + 50	1052.24	50.65
14 + 00	1055.68	50.64
14 + 50	1057.95	50.65
15 + 00	1060.75	50.67
15 + 50	1063.53	50.70
16 + 00	1065.71	50.70
16 + 50	1067.75	50.70
17 + 00	1070.34	50.70
17 + 50	1072.71	50.68
18 + 00 E	1075.09	50.68

Traverse 6 (T-6)

Station	Elevation	Relative Gravity
5 + 00 E	1044.39	50.93
4 + 50	1041.95	50.88
4 + 00	1039.58	50.88
3 + 50	1037.59	50.87
3 + 00	1036.15	50.82
2 + 00	1033.93	50.78
1 + 50	1032.29	50.77
1 + 00	1030.48	50.73
0 + 50 E	1027.85	50.66
0 + 50 W	1022.45	50.64
1 + 00	1020.12	50.60
1 + 50	1017.38	50.57
2 + 00	1014.20	50.54
2 + 50	1011.12	50.68
3 + 00	1010.41	50.78
3 + 50	1003.51	50.84
4 + 00	996.96	50.82
4 + 50	1006.15	50.78
5 + 00	1018.19	50.77
5 + 50	1020.15	50.76
6 + 00	1019.25	50.67
6 + 50	1015.83	50.62
7 + 00	1015.15	50.55
7 + 50	1012.65	50.49
8 + 00	1001.84	50.37
8 + 50	989.39	50.32
9 + 00	980.71	50.25
9 + 50	976.25	50.15
10 + 00	976.45	50.14
10 + 50	977.41	50.19
11 + 00	979.34	50.14
11 + 50	981.86	50.11
12 + 00	985.96	50.13
12 + 50	987.54	50.22
13 + 00	985.21	50.30
13 + 50	995.08	50.33
14 + 00	1000.56	50.29
14 + 50	1005.21	50.21
15 + 00	1005.80	50.15
15 + 50	1004.11	50.06
16 + 00	1001.88	50.02
16 + 50 W	998.50	50.09

Traverse 6 (T-6) (Cont.)

Station	Elevation	Relative Gravity
17 + 00 W	993.95	50.20
17 + 50	989.56	50.22
18 + 00	984.48	50.22
18 + 50	977.01	50.24
19 + 00	972.21	50.22
19 + 50	971.30	50.19
20 + 00	975.48	50.19
20 + 50	976.60	50.15
21 + 00	977.27	50.12
21 + 50	980.01	50.07
22 + 00	980.25	50.04
22 + 50	980.50	50.02
23 + 00	982.50	49.94
23 + 50	981.20	49.90
24 + 00	977.09	49.91
24 + 50	972.48	49.85
25 + 00	968.53	49.86
25 + 50	966.84	49.82
26 + 00	967.06	49.82
26 + 50	963.09	49.80
27 + 00	956.14	49.76
27 + 50	953.21	49.70
28 + 00	953.23	49.70
28 + 50	950.11	49.68
29 + 00	947.36	49.65
29 + 50	946.24	49.61
30 + 00	945.49	49.57
30 + 50	942.19	49.54
31 + 00	936.90	49.51
31 + 50	931.63	49.50
32 + 00	925.03	49.48
32 + 50	920.63	49.42
33 + 00	914.57	49.38
33 + 43	909.50	49.21
34 + 00	894.15	49.15
34 + 50	888.12	49.13
35 + 00	898.65	49.22
35 + 50	899.21	49.27
36 + 00	904.90	49.30
36 + 50	903.78	49.25
37 + 00	902.50	49.26
37 + 50 W	905.82	49.21

Traverse 6 (T-6) (Cont.)

Station	Elevation	Relative Gravity
38 + 00 W	905.17	49.15
38 + 50	902.99	49.14
39 + 00	898.72	49.15
39 + 50	892.74	49.10
40 + 00	888.95	41.11
40 + 50	889.68	49.11
41 + 00	890.26	49.02
41 + 50	886.77	49.00
42 + 00	880.52	48.97
42 + 50	874.78	48.99
43 + 00	868.60	48.94
43 + 50	867.94	48.93
44 + 00	866.69	48.88
44 + 50	864.97	48.85
45 + 00 W	859.15	48.81

T-6: 1 + 00 South

5 + 00 E	1041.49	51.02
4 + 50	1039.32	51.03
4 + 00	1037.56	50.96
3 + 50	1034.53	50.88
3 + 00	1032.12	50.81
2 + 50	1029.32	50.78
2 + 00	1029.34	50.70
1 + 50	1028.43	50.64
1 + 00	1027.48	50.65
0 + 50 E	1025.26	50.64
0 + 00	1022.93	50.61
0 + 50 W	1019.21	50.62
1 + 00	1019.09	50.59
1 + 50	1017.87	50.56
2 + 00	1013.99	50.56
2 + 50	1009.19	50.60
3 + 00	1005.06	50.65
3 + 50	1000.70	50.61
4 + 00	1002.08	50.62
4 + 50	1000.90	50.56
5 + 00	1005.11	50.52
5 + 50	1010.11	50.50
6 + 00	1010.80	50.46
6 + 50	1007.99	50.41
7 + 00 W	1004.51	50.40

T-6: 1 + 00 South (Cont.)

Station	Elevation	Relative Gravity
7 + 50 W	999.27	50.28
8 + 00	992.45	50.29
8 + 50	988.05	50.24
9 + 00	985.71	50.26
9 + 50	983.37	50.30
10 + 00	985.51	50.26
10 + 50	989.92	50.21
11 + 00	990.90	50.15
11 + 50	995.39	50.10
12 + 00	1001.25	50.21
12 + 50	1003.72	50.26
13 + 00	996.96	50.32
13 + 50	996.15	50.32
14 + 00	1000.24	50.28
14 + 50	1005.08	50.19
15 + 00	1007.88	50.10
15 + 50	1008.48	50.08
16 + 00	1006.32	50.10
16 + 50	1000.89	50.18
17 + 00	996.14	50.23
17 + 50	992.55	50.23
18 + 00	989.17	50.18
18 + 50	984.16	50.19
19 + 00	981.16	50.24
19 + 50	978.41	50.18
20 + 00	986.14	50.16
20 + 00	938.32	49.55
30 + 50	935.24	49.48
31 + 00	931.22	49.49
31 + 50	927.34	49.46
32 + 00	923.68	49.44
32 + 50	918.03	49.35
33 + 00	917.31	49.18
33 + 50	910.75	49.22
33 + 95	905.84	49.21
34 + 50	904.56	49.32
35 + 00	899.42	49.31
35 + 50	903.83	49.33
36 + 00	906.80	49.31
36 + 50	909.14	49.28
37 + 00	915.16	49.21
37 + 50	916.78	49.18
38 + 00 W	914.08	49.18

T-6: 1 + 00 North

Station	Elevation	Relative Gravity
30 + 00 W	938.49	49.64
30 + 50	936.34	49.60
31 + 00	932.71	49.53
31 + 50	925.88	49.50
32 + 00	919.20	49.44
32 + 50	911.30	49.42
33 + 00	910.37	49.35
33 + 50	905.68	49.32
34 + 00	905.18	49.19
34 + 50	899.18	49.11
35 + 00	891.12	49.20
35 + 50	886.14	49.23
36 + 00	890.81	49.24
36 + 50	893.00	49.29
37 + 00	892.95	49.25
37 + 50	898.67	49.24
38 + 00 W	897.00	49.20

Traverse 7 (T-7)

Station	Elevation	Relative Gravity
0 + 00	1000.56	50.20
0 + 50 W	1004.60	50.21
1 + 00	1004.51	50.18
1 + 50	1002.10	50.07
2 + 00	998.64	49.98
2 + 50	994.71	50.08
3 + 00	991.32	50.19
3 + 50	988.09	50.21
4 + 00	985.33	50.23
4 + 50	981.30	50.20
5 + 00	973.88	50.20
5 + 50	963.92	50.18
6 + 00	955.45	50.18
6 + 50	968.10	50.15
7 + 00	968.64	50.14
7 + 50	961.79	50.14
8 + 00	971.62	50.11
8 + 50	974.92	50.05
9 + 00	976.72	50.02
9 + 50 W	973.68	49.98

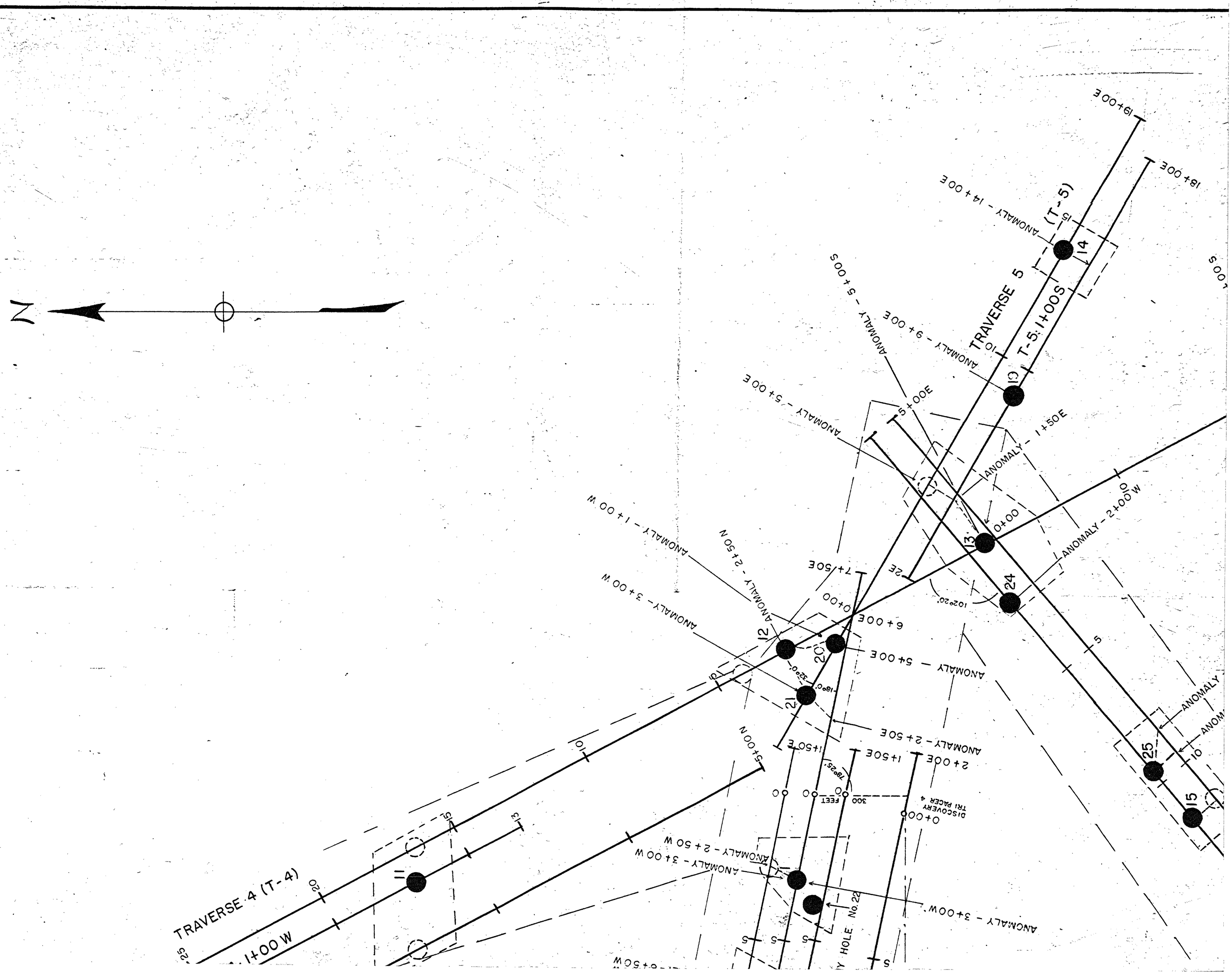
Traverse 7 (T-7) (Cont.)

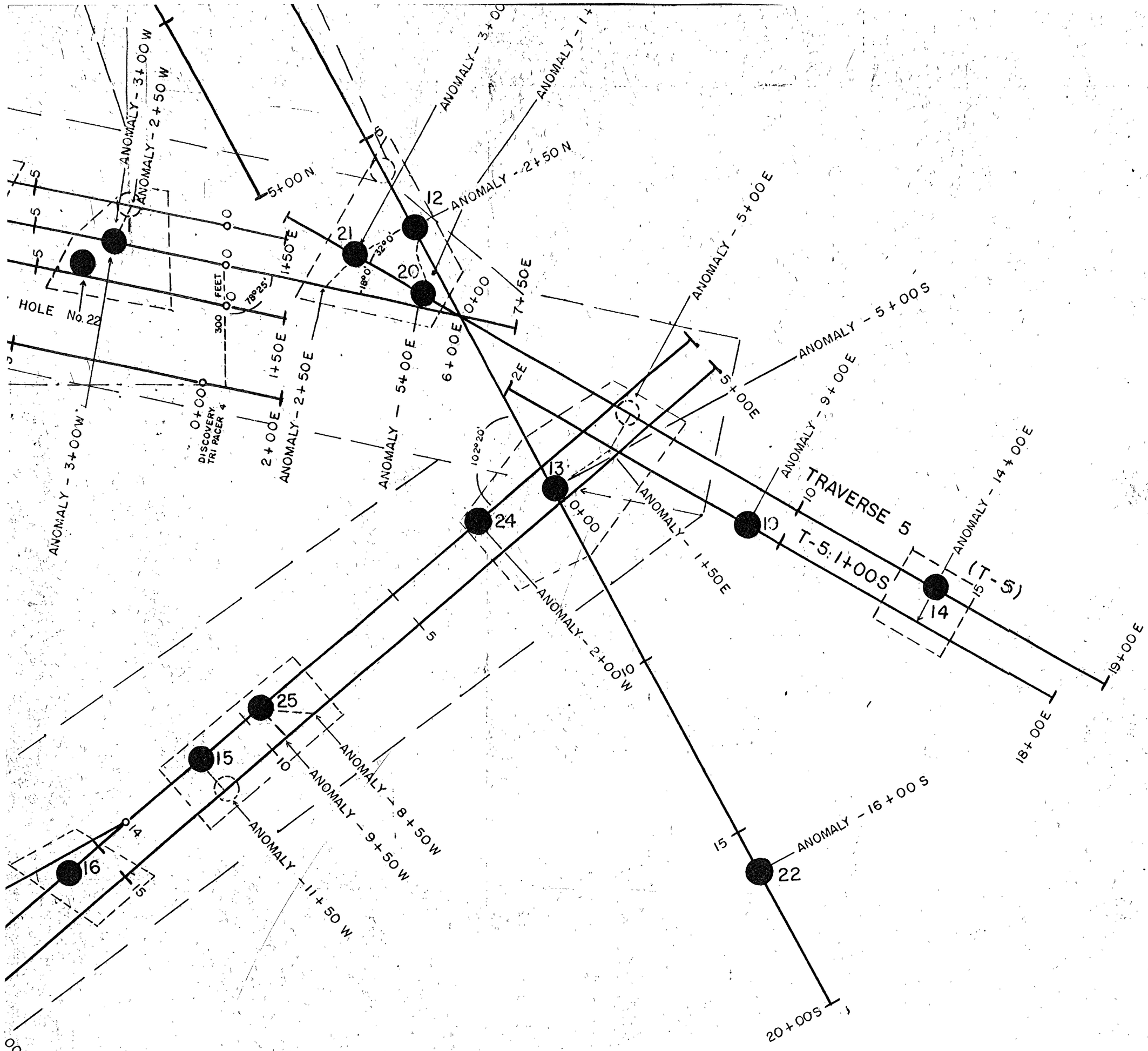
Station	Elevation	Relative Gravity
10 + 00 W	969.22	49.97
10 + 50	963.86	50.01
11 + 00	959.90	49.98
11 + 50	957.86	49.94
12 + 00	955.83	49.92
12 + 50	952.32	49.93
13 + 00	950.32	49.91
13 + 50	945.98	49.86
14 + 00	944.90	49.88
14 + 50	939.62	49.81
15 + 00	934.75	49.79
15 + 50	930.95	49.79
16 + 00	928.20	49.77
16 + 50	926.08	49.73
17 + 00	925.39	49.71
17 + 50	922.96	49.71
18 + 00	922.99	49.66
18 + 50	921.65	49.62
19 + 00	917.53	49.54
19 + 50	915.72	49.54
20 + 00	917.97	49.50
20 + 50	913.47	49.51
21 + 00	905.45	49.47
21 + 50	903.73	49.41
22 + 00	900.53	49.42
22 + 50	902.81	49.38
23 + 00	908.44	49.31
23 + 50	902.70	49.29
24 + 00	898.23	49.26
24 + 50	892.77	49.17
25 + 00	887.53	49.15
25 + 50	885.20	49.11
26 + 00	881.86	49.06
26 + 50	873.44	48.97
27 + 00	867.88	48.88
27 + 50	867.33	48.85
28 + 00	857.99	48.92
28 + 50	853.02	48.95
29 + 00	856.28	48.90
29 + 50 W	853.05	48.90

Explanation

(1) Elevations were determined by differential leveling around closed loops and are accurate to the nearest 0.1 feet; datum is arbitrary, with 1000.0 feet elevation assumed at 0 + 00, Traverse 1.

(2) Relative Gravity values are in milligals of change relative to an arbitrary datum; a value of 51.04 milligals having been assumed at 6 + 50 East, Traverse 1. (See Statistical Summary for further explanation.)


N
TRAVERSE 5
T-5; 1+00S
(T-5)
TRAVERSE 4 (T-4)
1+00 W
ANOMALY - 14+00E
ANOMALY - 9+00E
ANOMALY - 5+00S
ANOMALY - 5+00E
ANOMALY - 1+50E
ANOMALY - 2+00W
ANOMALY - 1+00W
ANOMALY - 2+50N
ANOMALY - 3+00W
ANOMALY - 5+00E
ANOMALY - 2+50E
ANOMALY - 3+00W
ANOMALY - 2+50W
ANOMALY - 3+00W
DISCOVERY
TRI PACER 4
HOLE No. 22
300 FEET
19+00E
18+00E
0+00
1+50E
2+00E
6+00E
7+50E
5+00N
0+50W
102°20'
180°
320°
190°
190°25'



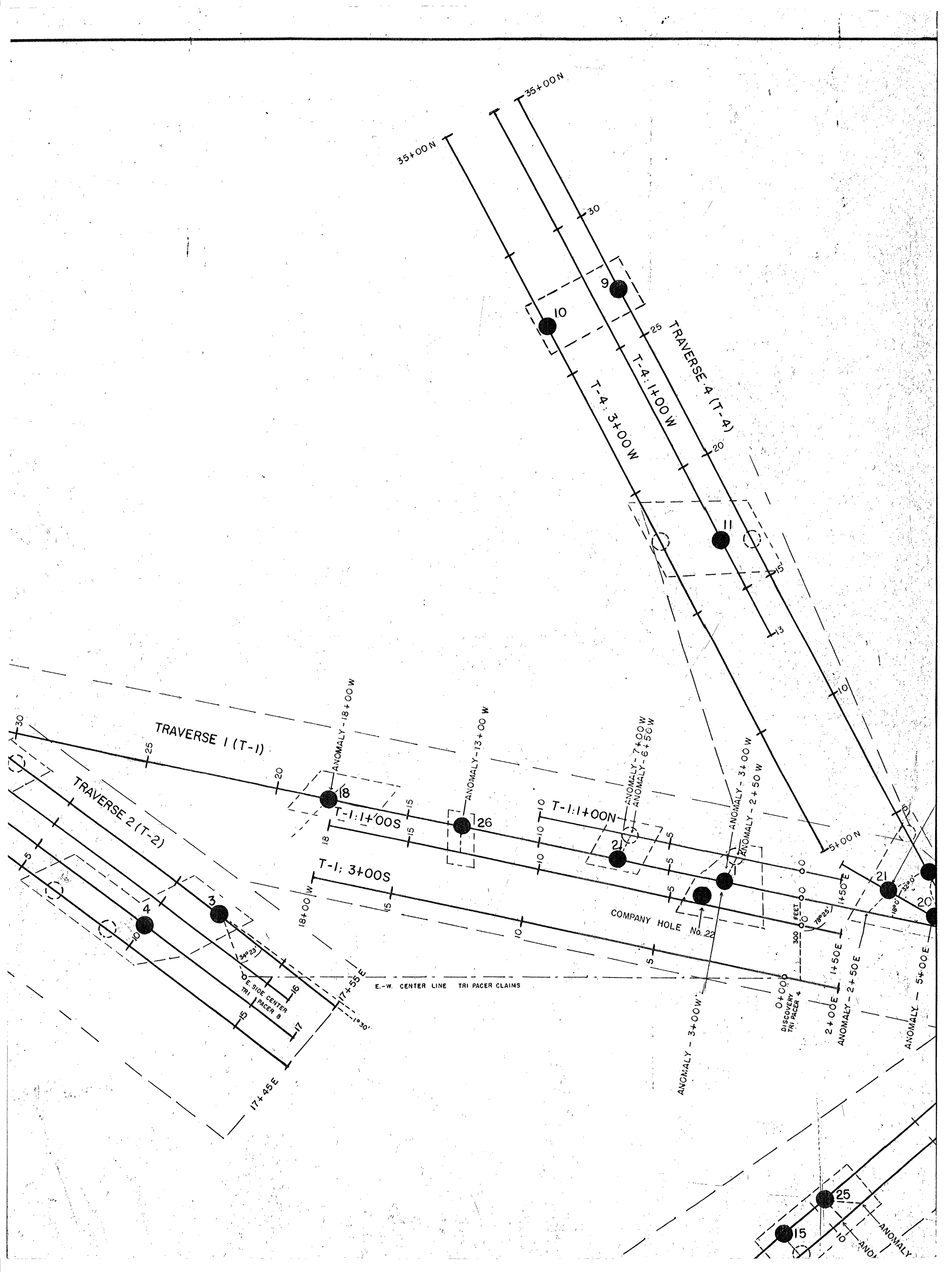
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

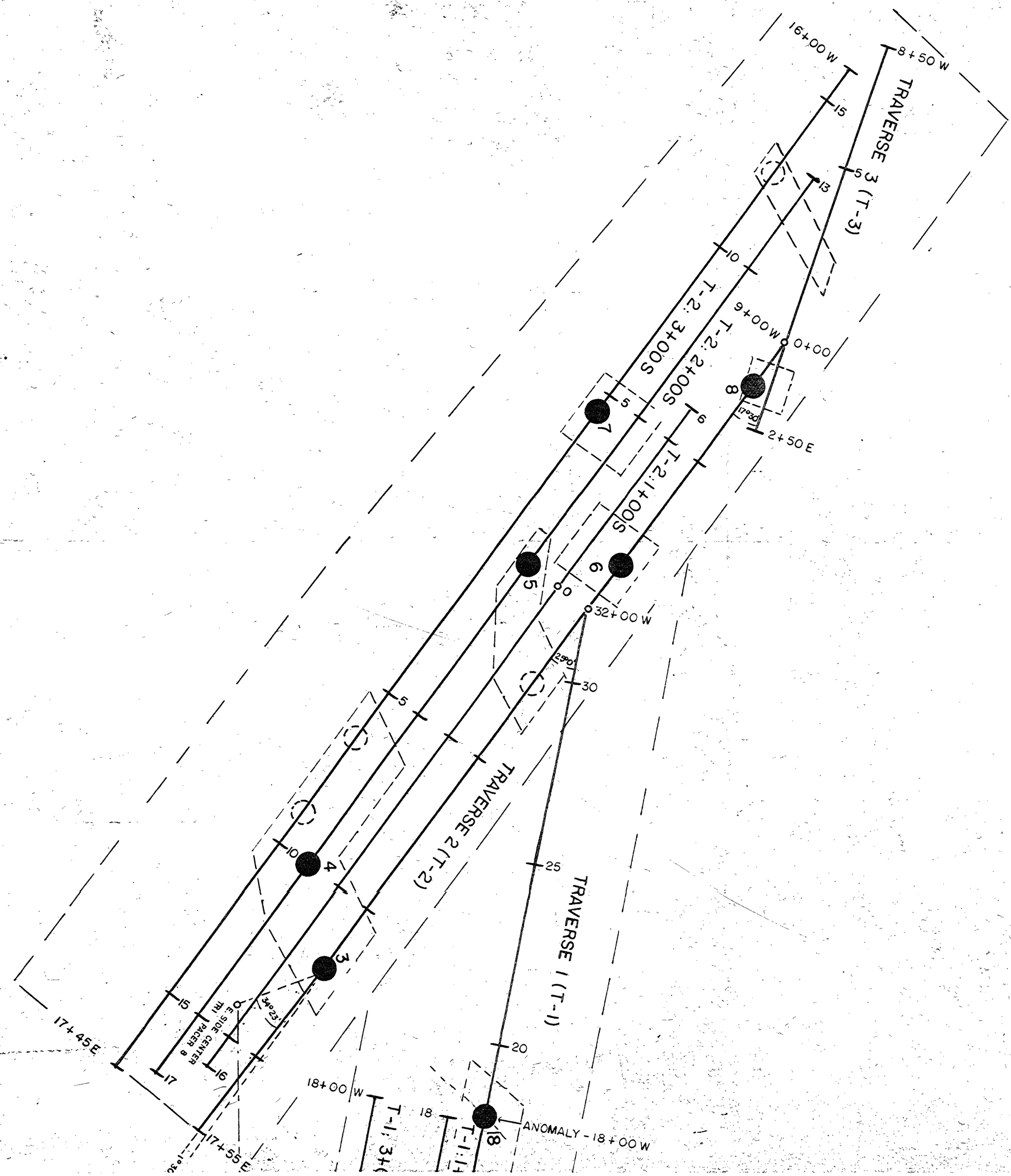
KANTER-LEVY COMPANY
CINCINNATI, OHIO

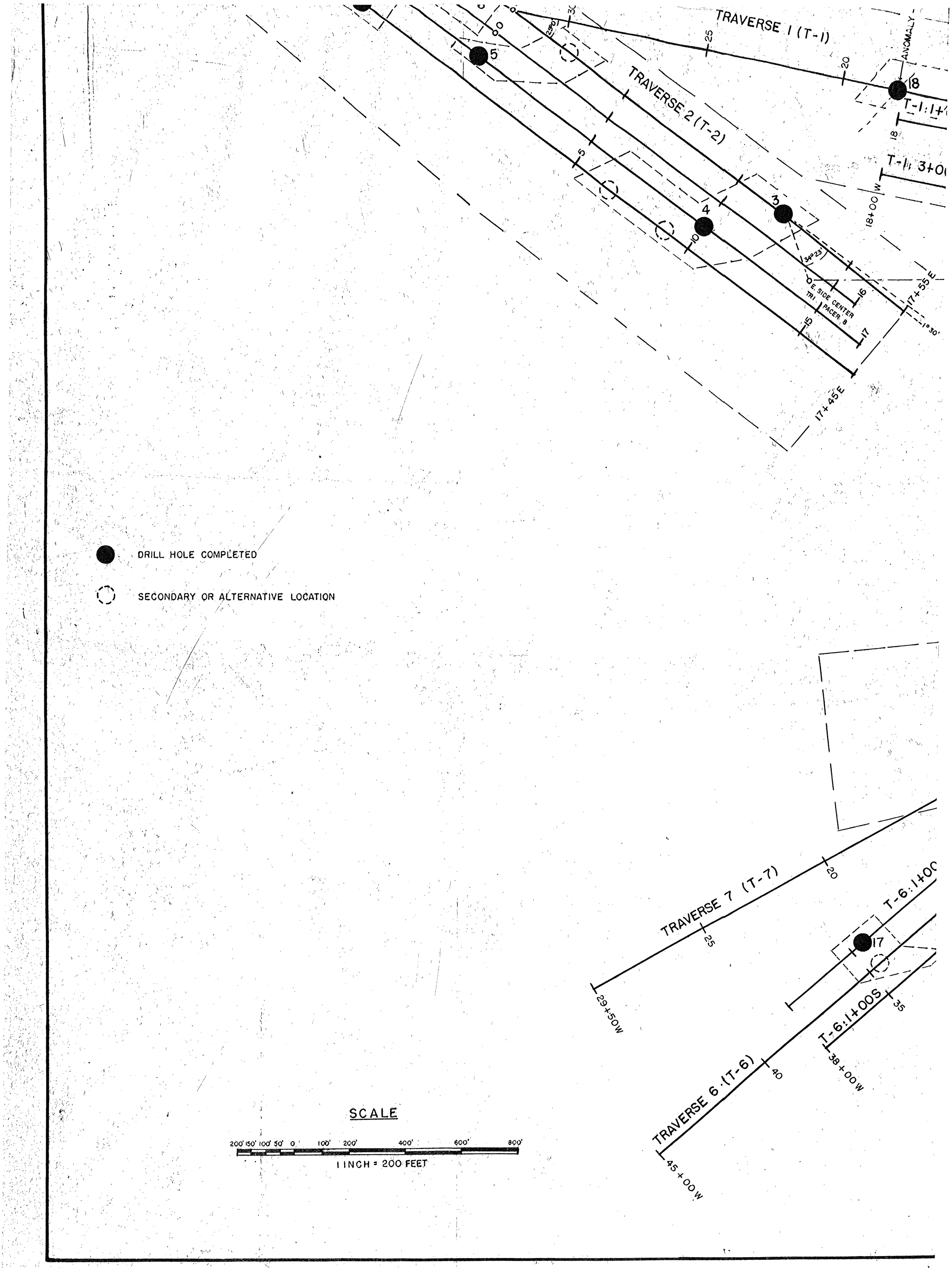
TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING

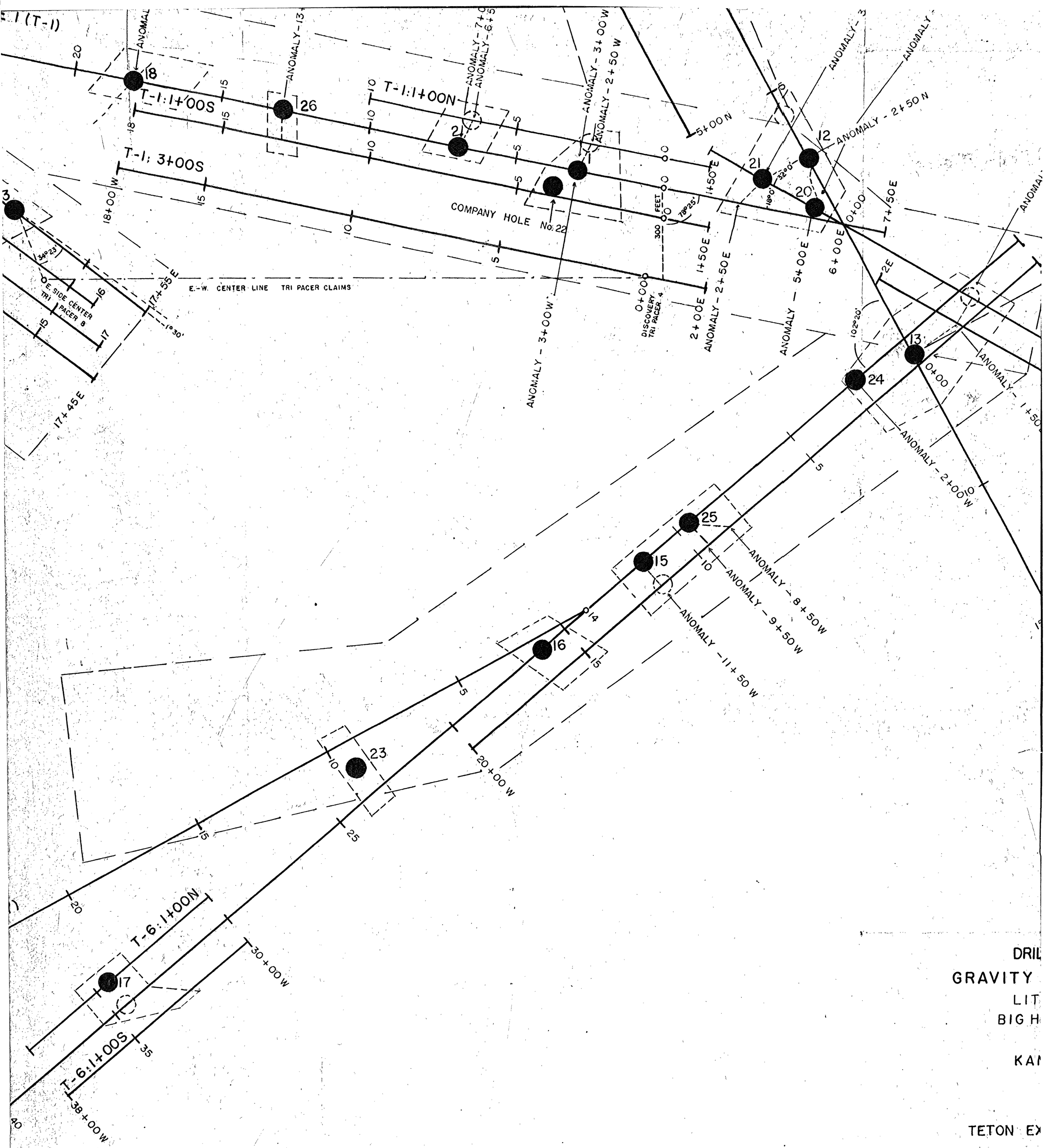
4/1/60 R. K. Lisco

DMEA 4849 — CONTRACT Idm-E 1173 —


35+00N
35+00N
30
9
10
25
TRAVERSE 4 (T-4)
T-4: 1+00W
T-4: 3+00W
20
11
15
13
10
TRAVERSE 1 (T-1)
TRAVERSE 2 (T-2)
ANOMALY - 18+00 W
ANOMALY - 13+00 W
ANOMALY - 7+00 W
ANOMALY - 6+50 W
ANOMALY - 3+00 W
ANOMALY - 2+50 W
18
26
21
T-1: 1+00S
T-1: 1+00N
T-1; 3+00S
5+00N
COMPANY HOLE No. 22
4
3
16
15
17
34°23'
1°30'
E. SIDE CENTER TRI PACER 8
17+55E
17+45E
E.-W. CENTER LINE TRI PACER CLAIMS
18+00 W
0+00 DISCOVERY TRI PACER 4
2+00E
1+50E
2+50E
5+00E
ANOMALY - 3+00W
ANOMALY - 2+50E
ANOMALY
FEET
300
79°25'
18°0'
32°0'
25
15
10


TRAVERSE 3 (T-3)
TRAVERSE 2 (T-2)
TRAVERSE 1 (T-1)
T-2: 3+00S
T-2: 2+00S
T-2: 1+00S
T-1: 3+
T-1: 1+
8+50 W
16+00 W
00+0
00+6
32+00 W
2+50 E
17+45 E
17+55 E
18+00 W
ANOMALY - 18+00 W
E. SIDE CENTER
TRI PACER 8
1°30'
2°50'
1°50'
2°44'


TRAVERSE 1 (T-1)
TRAVERSE 2 (T-2)
ANOMALY
T-1: 1+
T-1: 3+0
18+00 W
17+55 E
17+45E
E. SIDE CENTER
TRI PACER 8
34°23'
1°30'
TRAVERSE 7 (T-7)
TRAVERSE 6 (T-6)
T-6: 1+00
T-6: 1+00S
29+50W
38+00W
45+00W
DRILL HOLE COMPLETED
SECONDARY OR ALTERNATIVE LOCATION
SCALE
200' 150' 100' 50' 0 100' 200' 400' 600' 800'
1 INCH = 200 FEET



DRIL

GRAVITY

LIT

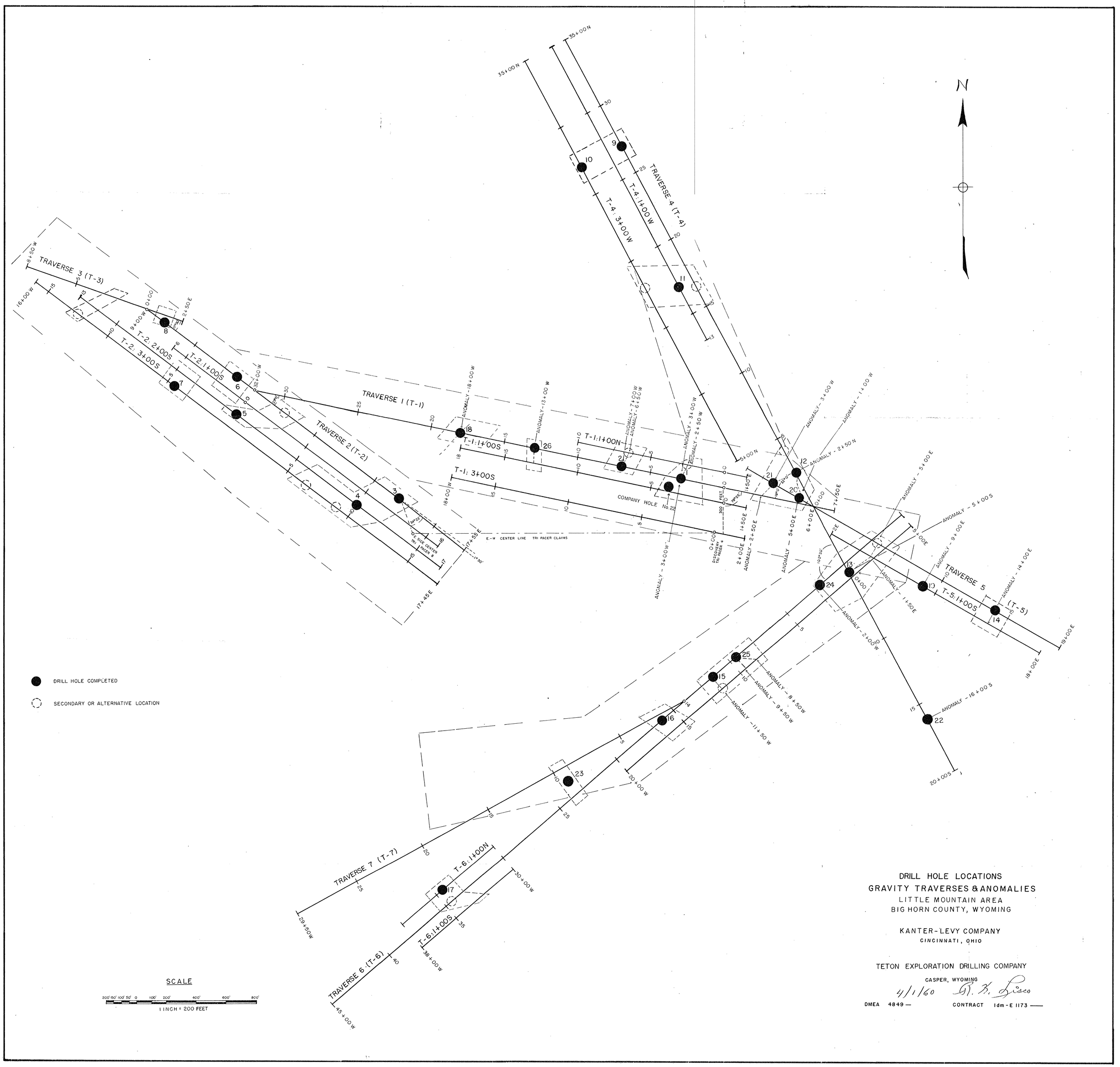
BIG H

KAI

TETON EX

41

DMEA 4849 —



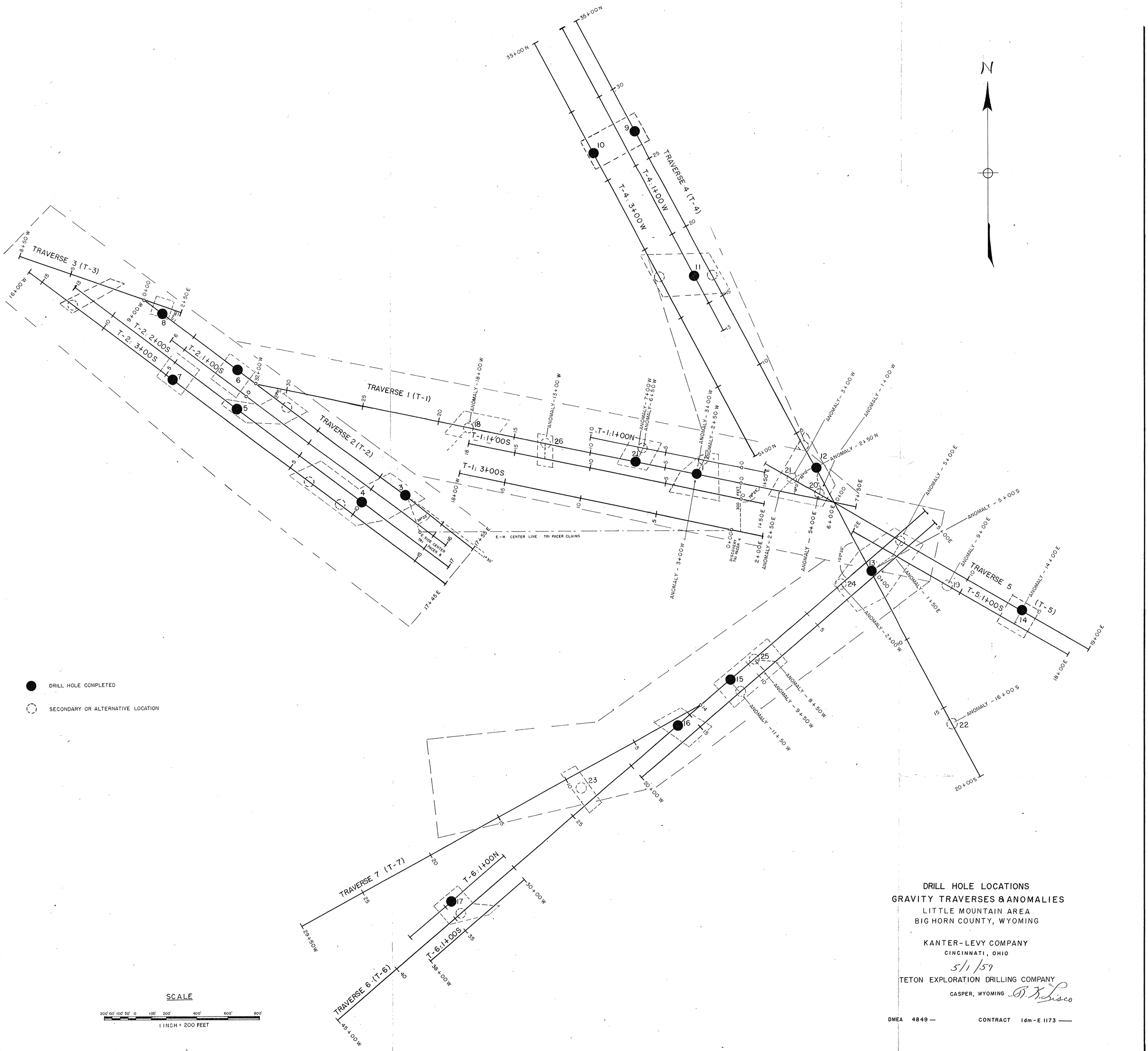
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

KANTER-LEVY COMPANY
CINCINNATI, OHIO

TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING

4/1/60 R. K. Lisco

DMEA 4849 — CONTRACT Idm-E 1173 —



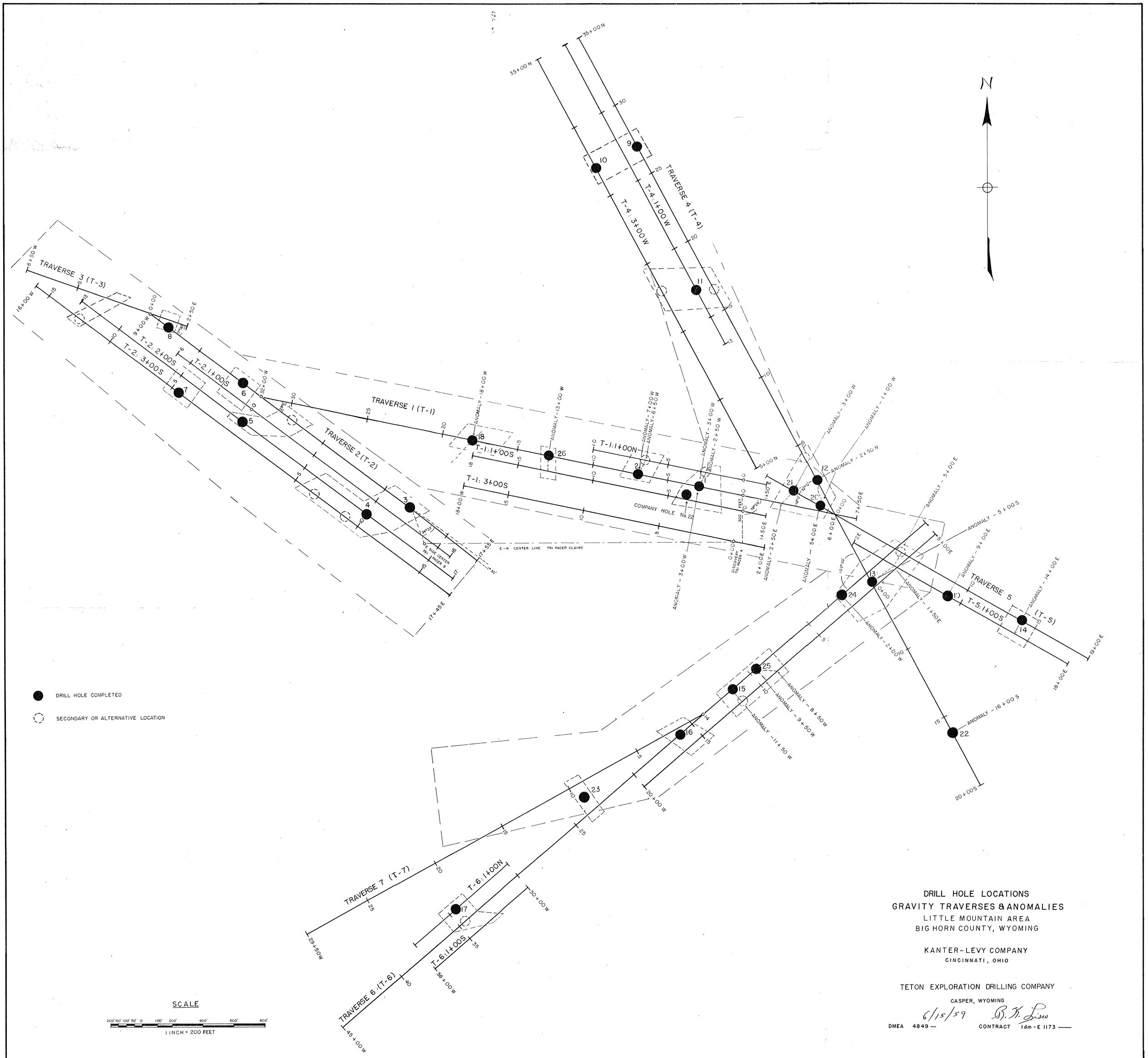
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

KANTER-LEVY COMPANY
CINCINNATI, OHIO

5/1/59

TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING

DMEA 4849 — CONTRACT Idm-E 1173 —



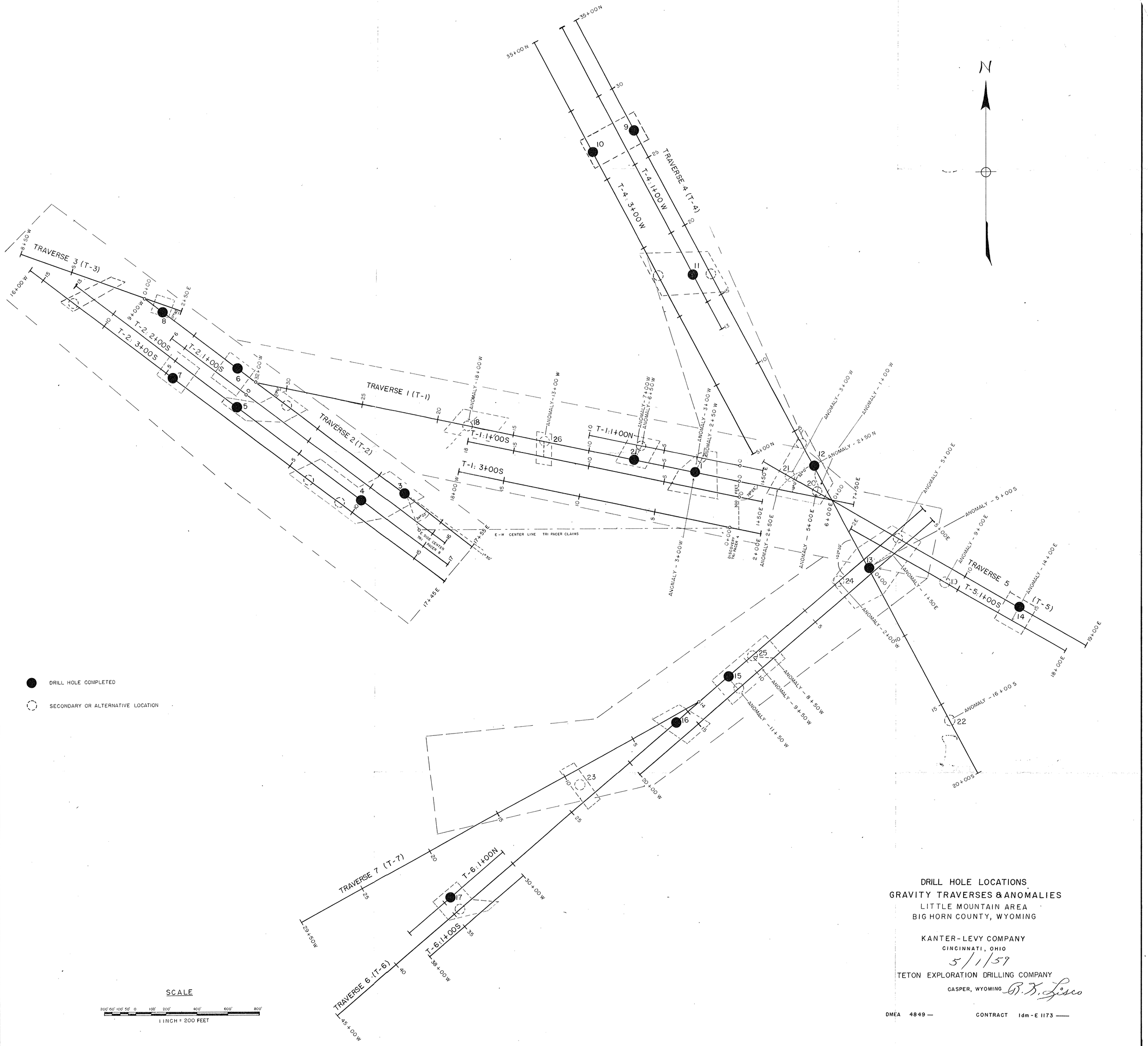
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

KANTER-LEVY COMPANY
CINCINNATI, OHIO

TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING

6/15/59 B. H. Lisco

DMEA 4849 — CONTRACT Idm-E 1173 —



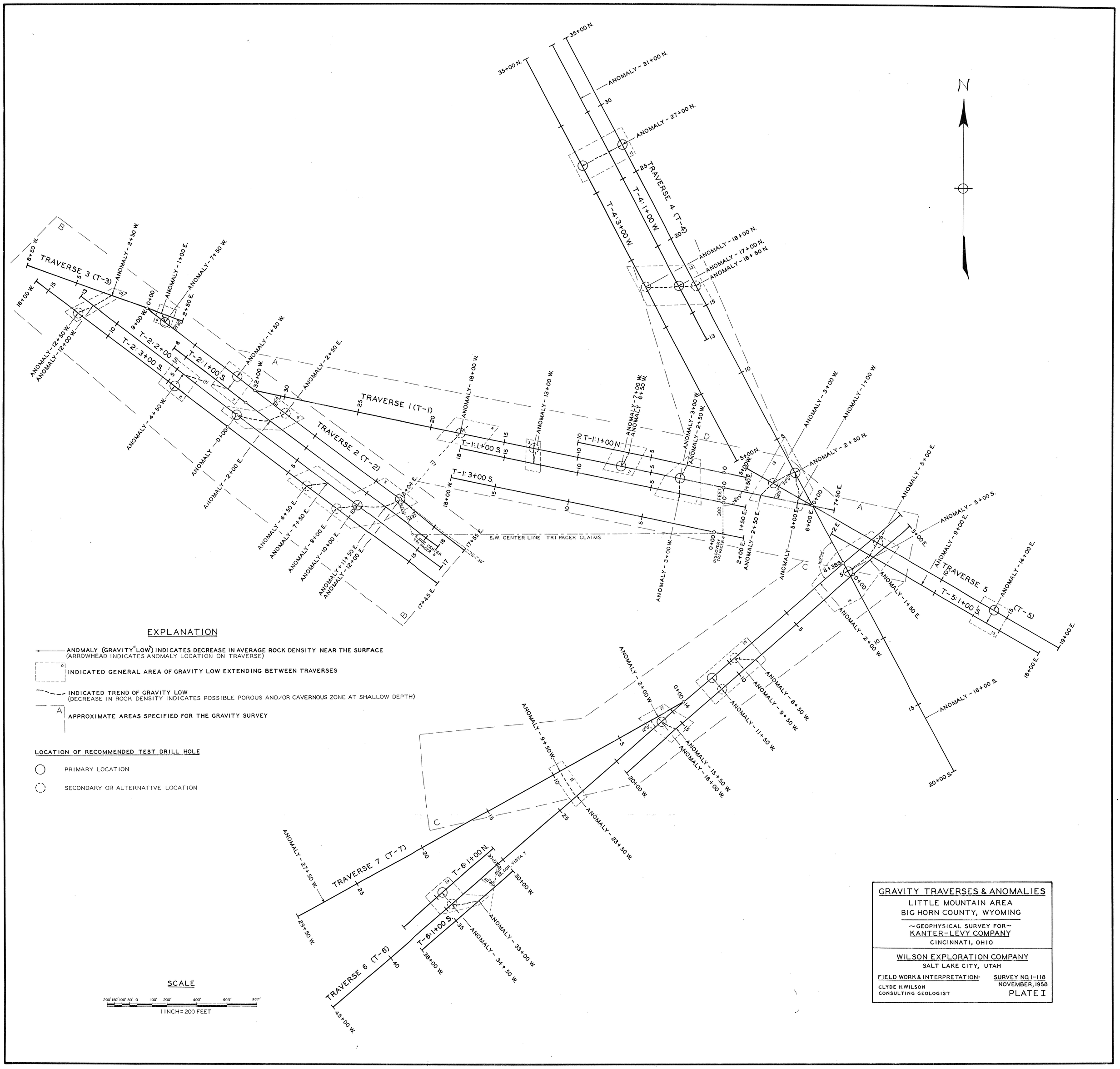
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

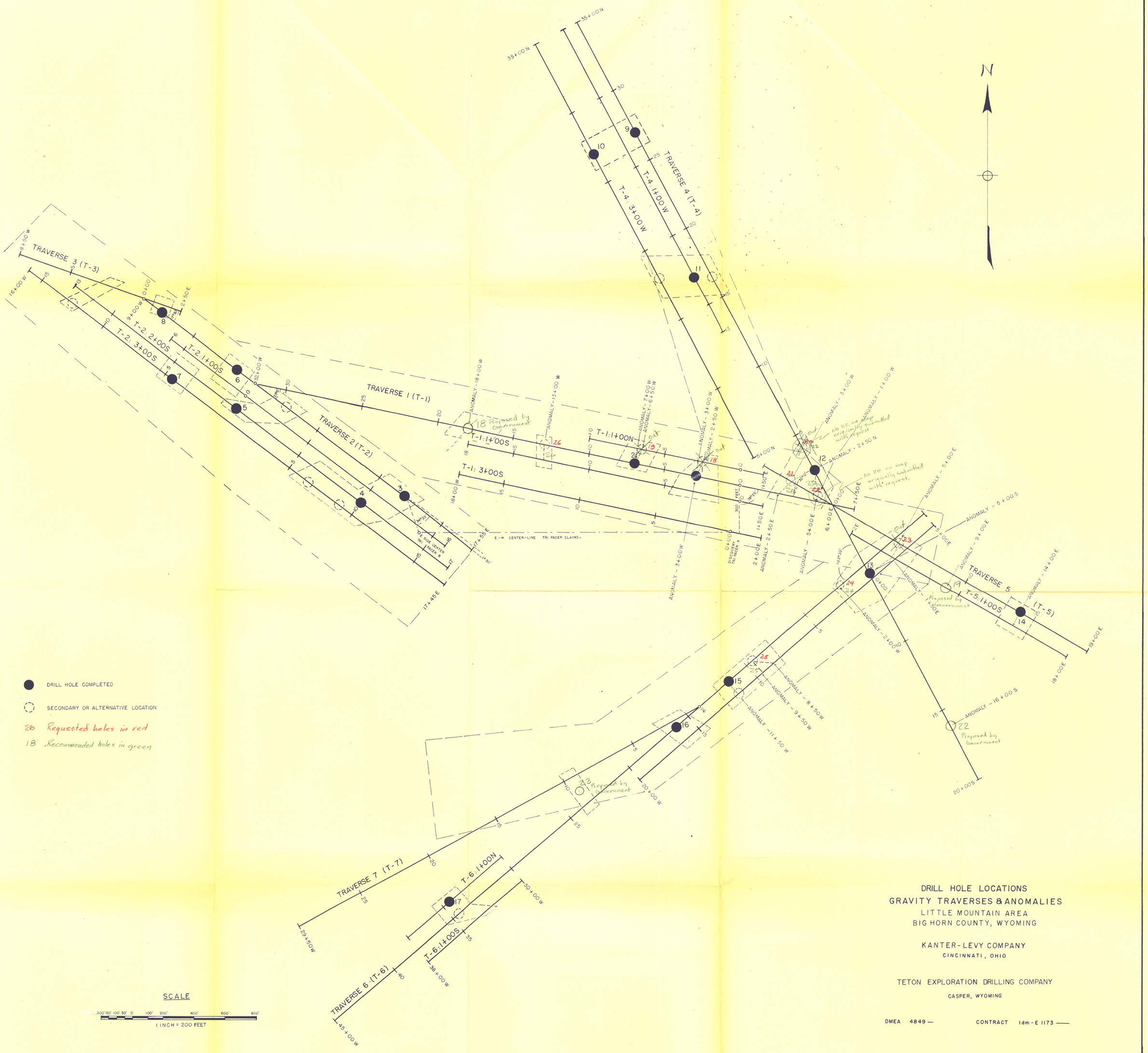
KANTER-LEVY COMPANY
CINCINNATI, OHIO

5/1/59

TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING B. F. Lisco

DMEA 4849 — CONTRACT Idm-E 1173 —


N
TRAVERSE 1 (T-1)
TRAVERSE 2 (T-2)
TRAVERSE 3 (T-3)
TRAVERSE 4 (T-4)
TRAVERSE 5
TRAVERSE 6 (T-6)
TRAVERSE 7 (T-7)
T-1: 1+00 S.
T-1: 3+00 S.
T-1: 1+00 N.
T-2: 1+00 S.
T-2: 2+00 S.
T-2: 3+00 S.
T-4: 1+00 W.
T-4: 3+00 W.
T-5: 1+00 S.
T-6: 1+00 N.
T-6: 1+00 S.
E-W. CENTER LINE TRI PACER CLAIMS
DISCOVERY TRI PACER 4
EXPLANATION
ANOMALY (GRAVITY "LOW") INDICATES DECREASE IN AVERAGE ROCK DENSITY NEAR THE SURFACE
(ARROWHEAD INDICATES ANOMALY LOCATION ON TRAVERSE)
INDICATED GENERAL AREA OF GRAVITY LOW EXTENDING BETWEEN TRAVERSES
INDICATED TREND OF GRAVITY LOW
(DECREASE IN ROCK DENSITY INDICATES POSSIBLE POROUS AND/OR CAVERNOUS ZONE AT SHALLOW DEPTH)
APPROXIMATE AREAS SPECIFIED FOR THE GRAVITY SURVEY
LOCATION OF RECOMMENDED TEST DRILL HOLE
PRIMARY LOCATION
SECONDARY OR ALTERNATIVE LOCATION
SCALE
1 INCH = 200 FEET
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING
~GEOPHYSICAL SURVEY FOR~
KANTER-LEVY COMPANY
CINCINNATI, OHIO
WILSON EXPLORATION COMPANY
SALT LAKE CITY, UTAH
FIELD WORK & INTERPRETATION:
CLYDE H. WILSON
CONSULTING GEOLOGIST
SURVEY NO. I-118
NOVEMBER, 1958
PLATE I

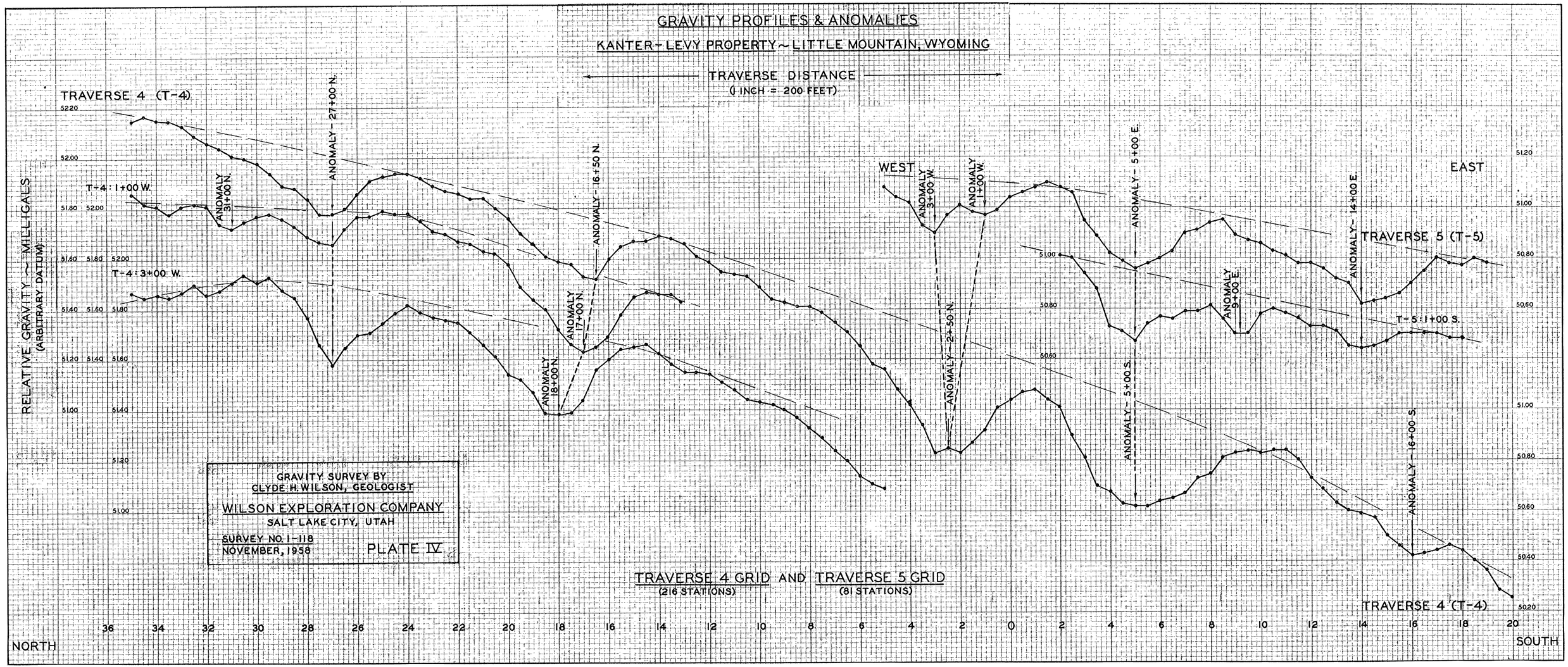


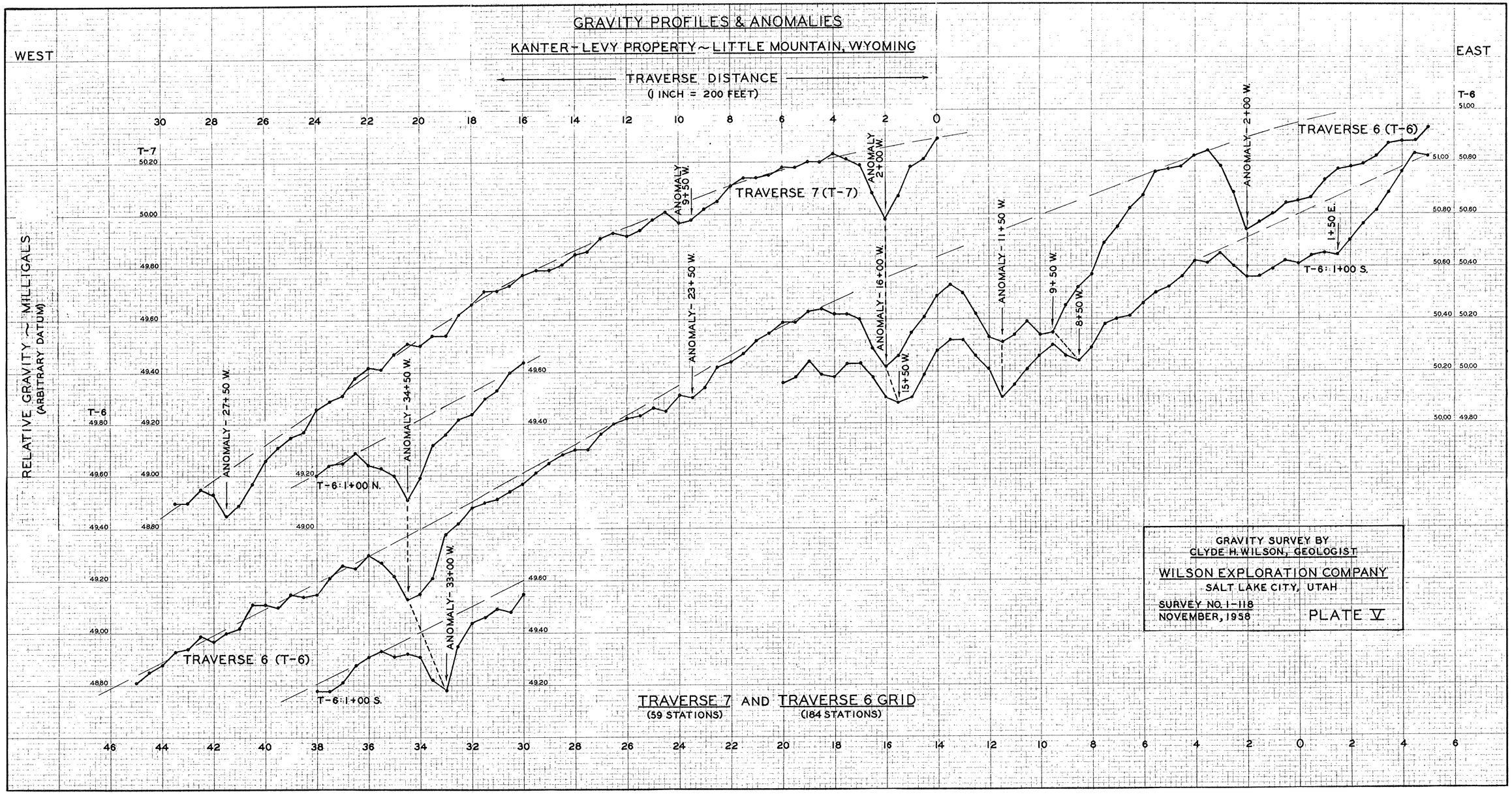
DRILL HOLE LOCATIONS
GRAVITY TRAVERSES & ANOMALIES
LITTLE MOUNTAIN AREA
BIG HORN COUNTY, WYOMING

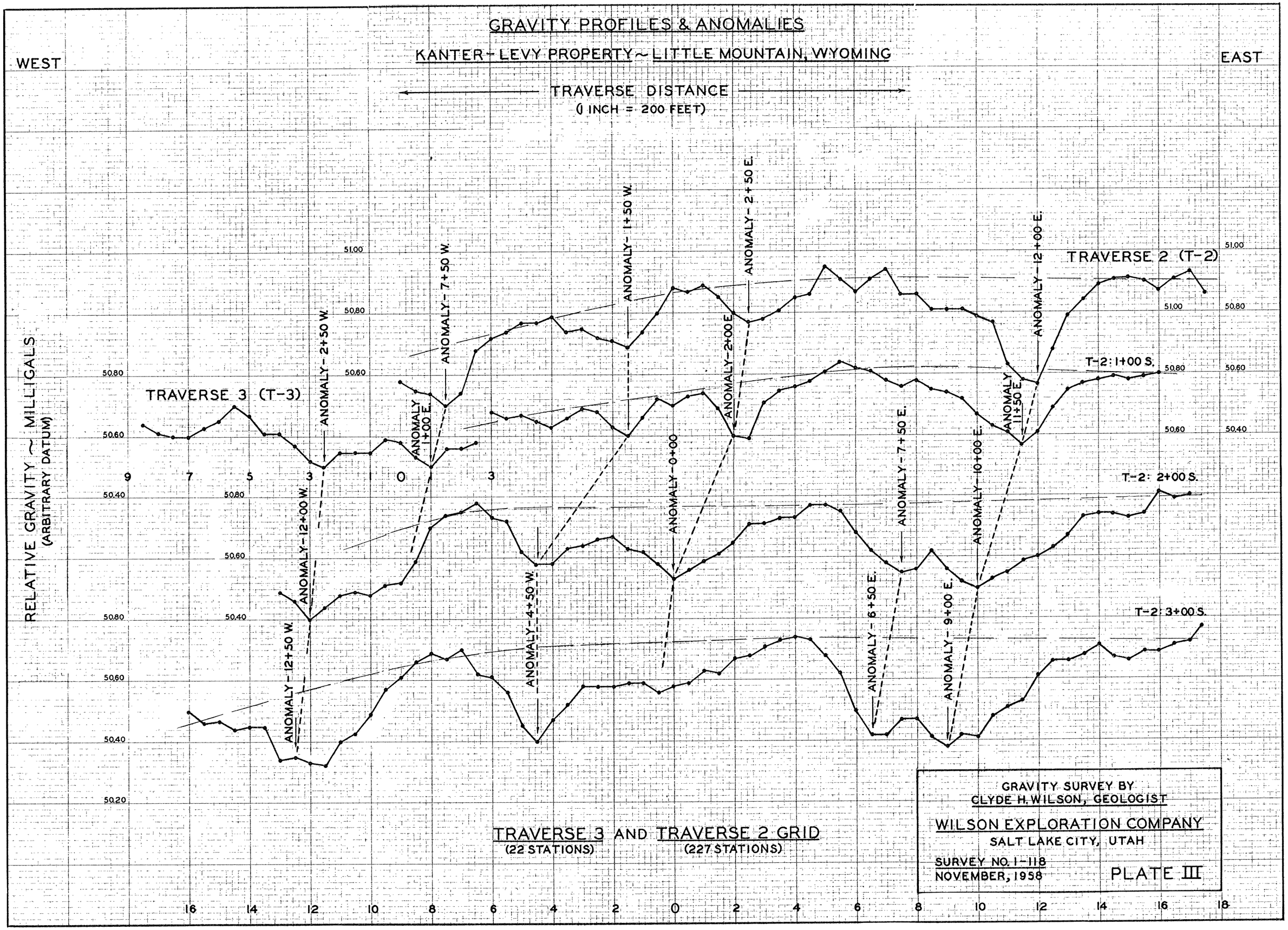
KANTER-LEVY COMPANY
CINCINNATI, OHIO

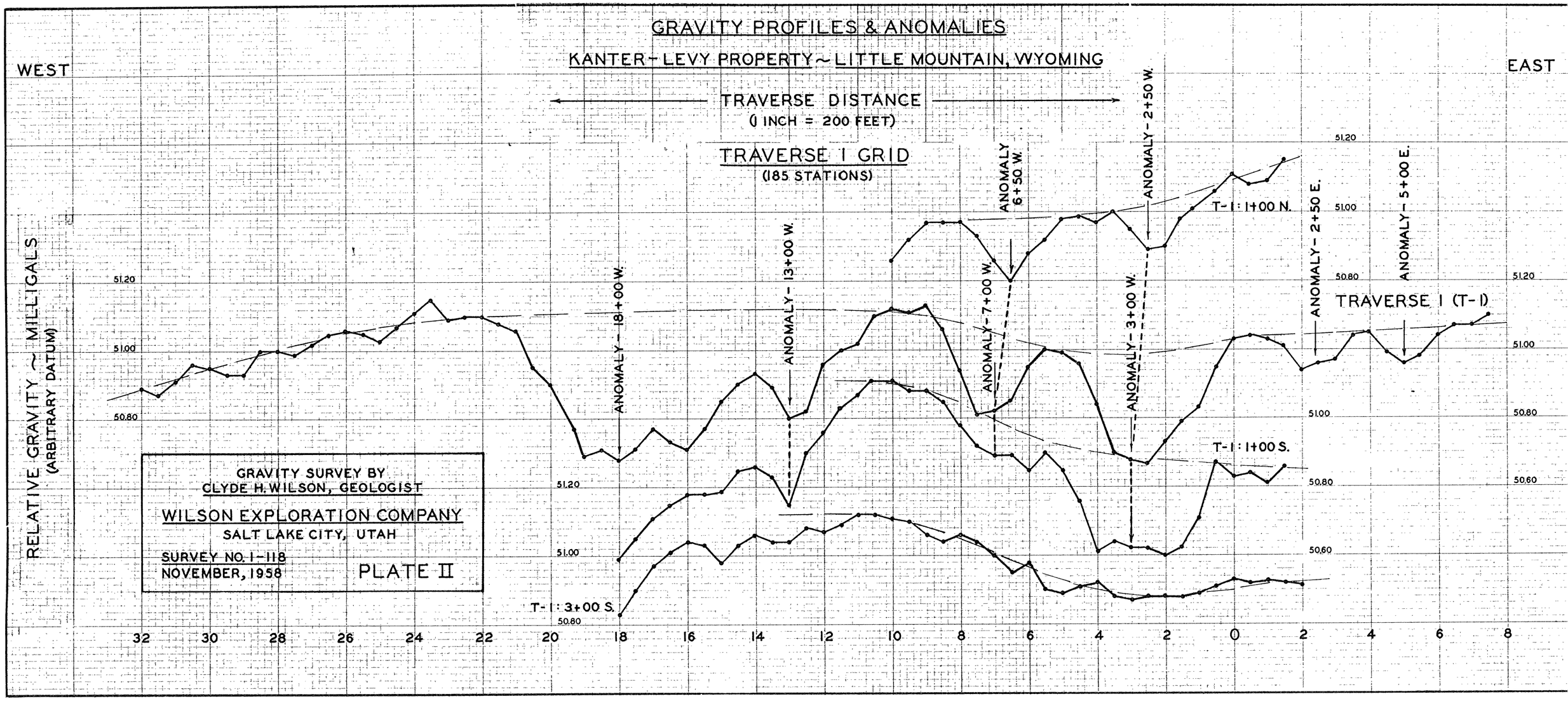
TETON EXPLORATION DRILLING COMPANY
CASPER, WYOMING

DMEA 4849 — CONTRACT Idm-E 1173 —


GRAVITY PROFILES & ANOMALIES
KANTER-LEVY PROPERTY ~ LITTLE MOUNTAIN, WYOMING
TRAVERSE DISTANCE
(1 INCH = 200 FEET)
RELATIVE GRAVITY ~ MILLIGALS
(ARBITRARY DATUM)
TRAVERSE 4 (T-4)
T-4 : 1+00 W.
T-4 : 3+00 W.
ANOMALY 31+00 N.
ANOMALY - 27+00 N.
ANOMALY - 16+50 N.
ANOMALY 17+00 N.
ANOMALY 18+00 N.
WEST
EAST
ANOMALY 3+00 W.
ANOMALY 1+00 W.
ANOMALY - 2+50 N.
ANOMALY - 5+00 E.
ANOMALY - 5+00 S.
ANOMALY 9+00 E.
ANOMALY - 14+00 E.
ANOMALY - 16+00 S.
TRAVERSE 5 (T-5)
T-5 : 1+00 S.
TRAVERSE 4 (T-4)
GRAVITY SURVEY BY
CLYDE H. WILSON, GEOLOGIST
WILSON EXPLORATION COMPANY
SALT LAKE CITY, UTAH
SURVEY NO. 1-118
NOVEMBER, 1958
PLATE IV
TRAVERSE 4 GRID AND TRAVERSE 5 GRID
(216 STATIONS)
(81 STATIONS)
NORTH
SOUTH


GRAVITY PROFILES & ANOMALIES
KANTER-LEVY PROPERTY ~ LITTLE MOUNTAIN, WYOMING
WEST
EAST
TRAVERSE DISTANCE
(1 INCH = 200 FEET)
RELATIVE GRAVITY ~ MILLIGALS
(ARBITRARY DATUM)
T-7
T-6
TRAVERSE 7 (T-7)
TRAVERSE 6 (T-6)
ANOMALY - 27+50 W.
ANOMALY - 34+50 W.
ANOMALY - 33+00 W.
ANOMALY - 23+50 W.
ANOMALY 9+50 W.
ANOMALY 2+00 W.
ANOMALY - 16+00 W.
15+50 W.
ANOMALY - 11+50 W.
9+50 W.
8+50 W.
ANOMALY - 2+00 W.
1+50 E.
T-6: 1+00 N.
T-6: 1+00 S.
GRAVITY SURVEY BY
CLYDE H. WILSON, GEOLOGIST
WILSON EXPLORATION COMPANY
SALT LAKE CITY, UTAH
SURVEY NO. 1-118
NOVEMBER, 1958
PLATE V
TRAVERSE 7 AND TRAVERSE 6 GRID
(59 STATIONS)
(184 STATIONS)


GRAVITY PROFILES & ANOMALIES
KANTER-LEVY PROPERTY ~ LITTLE MOUNTAIN, WYOMING
WEST
EAST
TRAVERSE DISTANCE
(1 INCH = 200 FEET)
RELATIVE GRAVITY ~ MILLIGALS
(ARBITRARY DATUM)
TRAVERSE 3 (T-3)
TRAVERSE 2 (T-2)
T-2: 1+00 S.
T-2: 2+00 S.
T-2: 3+00 S.
ANOMALY - 2+50 W.
ANOMALY - 7+50 W.
ANOMALY - 11+50 W.
ANOMALY - 2+50 E.
ANOMALY - 12+00 E.
ANOMALY 1+00 E.
ANOMALY - 2+00 E.
ANOMALY - 12+00 W.
ANOMALY - 0+00
ANOMALY - 7+50 E.
ANOMALY - 10+00 E.
ANOMALY 11+50 E.
ANOMALY - 12+50 W.
ANOMALY - 4+50 W.
ANOMALY - 6+50 E.
ANOMALY - 9+00 E.
TRAVERSE 3 AND TRAVERSE 2 GRID
(22 STATIONS)
(227 STATIONS)
GRAVITY SURVEY BY
CLYDE H. WILSON, GEOLOGIST
WILSON EXPLORATION COMPANY
SALT LAKE CITY, UTAH
SURVEY NO. 1-118
NOVEMBER, 1958
PLATE III


GRAVITY PROFILES & ANOMALIES
KANTER-LEVY PROPERTY ~ LITTLE MOUNTAIN, WYOMING
WEST
EAST
TRAVERSE DISTANCE
(1 INCH = 200 FEET)
TRAVERSE 1 GRID
(185 STATIONS)
RELATIVE GRAVITY ~ MILLIGALS
(ARBITRARY DATUM)
ANOMALY - 18+00 W.
ANOMALY - 13+00 W.
ANOMALY - 7+00 W.
ANOMALY 6+50 W.
ANOMALY - 3+00 W.
ANOMALY - 2+50 W.
ANOMALY - 2+50 E.
ANOMALY - 5+00 E.
T-1 : 1+00 N.
T-1 : 1+00 S.
T-1 : 3+00 S.
TRAVERSE 1 (T-1)
51.20
51.00
50.80
50.60
32
30
28
26
24
22
20
18
16
14
12
10
8
6
4
2
0
2
4
6
8
GRAVITY SURVEY BY
CLYDE H. WILSON, GEOLOGIST
WILSON EXPLORATION COMPANY
SALT LAKE CITY, UTAH
SURVEY NO. 1-118
NOVEMBER, 1958
PLATE II