N. A. HUNT
613 Good-Box 1786
Grand Junct on, Colo.

RECEIVED
NOV 8 1955

October 19, 1955

Executive Officer
U.S. Field Team
224 New Customhouse Bldg.
Denver 2, Colorado

COPY

Dear Sir:

Submitted herewith is the required data as requested under the form Budget Bureau No. 42-R1035.2., with additional pertinent information.

It is our intent to conduct the drilling as outlined with our own equipment, since past experience indicates that we can drill these holes cheaper than they can possibly be drilled by contract. In any event, we shall absorb any drilling losses over and above the submitted basis should our costs run higher than our proposed bid.

Respectfully submitted,

George P. Dix

George P. Dix
Geologist

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

Form Approved.
Budget Bureau No. 42-R1035.2.

RECEIVED
DMEA NOV 21 1955
Date Rec'd
NOV 1955
BUREAU OF MINES
Denver, Colorado

APPLICATION FOR AID IN AN EXPLORATION PROJECT, PURSUANT TO DMEA ORDER 1, UNDER THE DEFENSE PRODUCTION ACT OF 1950, AS AMENDED

Not to be filled in by applicant

Docket No. OMEA-4061
Metal or Mineral Uranium
Date Received 11-14-55
Estimated Cost $65,835.84
Participation (Government %)

INSTRUCTIONS

1. *Name of applicant.*—(*a*) State here your full legal name, in the form in which you will wish to contract, and your mailing address:

Nelson Bunker Hunt
618 Rood-P.O. Box 1786
Grand Junction, Colo.

(*b*) If other than an individual, add to your name above whether a corporation, partnership, etc., and the name of the State in which incorporated or otherwise organized.

(*c*) If a corporation, add to above statement, titles, names and addresses of officers.

(*d*) If a partnership, add to the above statement the names and addresses of all partners.

2. *General.*—Read DMEA Order 1, "Government Aid in Defense Exploration Projects," before completing this application. Submit this application and all accompanying papers in quadruplicate (four copies), with your name and address on each sheet of the application and on all accompanying papers. Where sufficient space is not provided on the form for all required information, state it on an accompanying paper, with a reference in each case to the instruction to which it refers by number. Comply with all applicable instructions; or, if not applicable, so state. File the application with Defense Minerals Exploration Administration, Department of the Interior, Washington 25, D. C., or with the nearest field executive officer thereof.

3. *Applicant's property rights.*—(*a*) State the legal description of the land upon which you wish to explore, including all land which you possess or control that may be benefited by the exploration, and excluding any land or interest in land which is not to be included in the exploration project contract Cliff 24, 22, & 21 Unpatented mining claims located in T36S, R8E, in Garfield County, Utah. Cliff 24, Book 43, page 444, Cliff 22, Book 43, page 443, Cliff 21, Book 43, page 443

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

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

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

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

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice.

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

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

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

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

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

16—66551-1

RECEIVED
NOV 14 1955

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore Uranium and vanadium

(*b*) Describe fully the proposed work, including a map or sketch of the property showing a plan (and cross sections if needed) of any present mine workings, and the location of the proposed exploration work as related to such features as contacts, veins, ore-bearing beds, etc.

(*c*) The work will start within 40 days and be completed within 6 months from the date of an exploration project contract.

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

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

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

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

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

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

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

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

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

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

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

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

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

☐ Money ☒ Use of equipment owned by you ☐ Other

Explain in detail on acompanying paper.

CERTIFICATION

The undersigned, whether as an individual, corporate officer, partner, or otherwise, both in his own behalf and acting for the applicant, certifies that the information set forth in this form and accompanying papers is correct and complete, to the best of his knowledge and belief.

Dated October 19, 1955

Nelson Bunker Hunt
(Applicant)

By George P. Dix Jr.

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

U. S. GOVERNMENT PRINTING OFFICE 16—66551-1

4. [illegible]
   (a) [illegible] Exploration
      (1) [illegible]metric [illegible]urvey
      (2) [illegible]-[illegible]ing [illegible]program
      (3) [illegible]rimary [illegible]rilling [illegible]ram
      (4) [illegible]econ[illegible]ary [illegible]rilling [illegible]ram

   (b) [illegible]roduction & [illegible]eserves
      (1) No [illegible]roduction
      (2) Inferred [illegible]eserves

   (c) [illegible]e[illegible]logy
      (1) [illegible]egional [illegible]eology
         [illegible]tructure
         [illegible]tratigraphy
      (2) [illegible]roal [illegible]eology
      (3) [illegible]ature of [illegible]ineralization

   (d) [illegible]ccessibility
      (1) [illegible]ccess [illegible]ads
      (2) Shi[illegible]ing

   (e) Lo[illegible]istics

RECEIVED
NOV 8 1 1955

COPY

4. Physical Description

(a) Mineralization

(1) Radiometric Survey

In October, 1954, a radiometric survey was initiated to evaluate the Chinarump outcrops on the Cliff Group. Some uranium mineralization was found on the Cliff 26 claim at the base of the Chinarump conglomerate.

(2) Pit-stripping

A pit-stripping operation was started in March, 1955, on the mineralized outcrop on the Cliff 26 claim. Some additional uranium mineralization was found. A small pocket of carbonaceous material was sampled in a random manner and was found to contain: 0.37% U_3O_8, 0.02% V_2O_5, and 0.6% Sc_2O_3 by chemical assay. Approximately 1000 tons of rock was moved and access roads and drill sites for the primary drilling program were constructed.

(3) Primary Drilling Program

In April, 1955, a total of 2,144 feet were drilled on the Cliff Group. Twenty-six holes were drilled with an average depth of 83 feet, a maximum depth of 230 feet, and a minimum depth of 15 feet. Of these holes, 1 was ore, 12 were mineralized, and 13 were barren. A trend was established. The drilling on the above program was contracted. 26

(4) Secondary Drilling Program

In September, 1955, a total of 1,071 feet were drilled on the Cliff Group. Fourteen holes were drilled with an average depth of 76 feet, a maximum depth of 144 feet, and a minimum depth of 26 feet. Of these holes, 2 were ore, 8 were mineralized, and 4 were barren. The trend was further delineated by this program. The drilling was done by our own crew and our equipment. 14

Chemical assays were obtained from core in Hole 107 and Hole 111 to substantiate radiometric data.

(b) Production & Reserves

(1) No production has come from the property

(2) No ore has definitely been blocked out, but the inferred reserves are 100 tons of 0.18% U_3O_8 ore 1 foot thick. This does not include hole #20.

COPY

Drill Hole Data-Cliff Group-Circle Cliffs Area-Garfield Co., Utah

Released
NOV 21 1955

I. Primary Project

Hole No.	Depth	Result					Ft Ore	Ft Mineral.
1	31	Barren						
2	30	Barren						
3	24	Barren						
4	15	Barren						
5	22	Barren						
6	26	Barren						
7	28	Barren						
8	57	Barren						
9	42	39.4-0.02	37.2-0.12	36.5-0.03			0.5	2.4
10	41.6	34.2-0.02	33.2-0.04	33.1-0.03	32.5-0.04	32.3-0.02		1.9
11	24	Barren						
12	57	51.1-0.04	50.6-0.06	50.2-0.02				0.9
13	77	73.2-0.02	69.1-0.07	64.0-0.04				9.2
14	74	72.7-0.03	72.0-0.22	71.4-0.12	70.5-0.03		1.2	1.0
15	26	21.6-0.02	21.1-0.03	20.0-0.03				1.6
16	26	Barren						
17	34	Barren						
18	111	108.0-0.03	107.6-0.05	107.2-0.03				0.8
19	132	126.5-0.04	125.6-0.09	125.2-0.04				1.3
20	153	150.7-0.04	149.1-0.10	148.1-0.04			0.5	2.1
21	113	Barren						
22	115	112.0-0.02	111.0-0.06	109.6-0.02				2.4
23	226	Barren						
24	224	217.1-0.02	218.0-0.03	218.3-0.03				1.2
25	225	222.4-0.03	221.0-0.07	220.0-0.04				2.4
26	230	227.2-0.03	225.2-0.03	224.2-0.02				3.0

Drill Hole Data-Cliff Group- Circle Cliffs Area-Garfield Co., Utah

RECEIVED
NOV 21 1955

II. Secondary Project

Hole No.	Depth	Result	Ft Ore	Ft Min.	
101	52	46.6-47.8-0.07, 47.8-48.8-0.25, 48.8-49.8-0.06	1	2.2	3.2
102	caved	Caved			
103	48	Barren			
104	23	Barren			
105	27	Barren			
106	26	Barren			
107	92	83.8-84.1-0.02, 84.1-84.9-0.03, 84.9-85.2-0.02, 86.0-86.7-0.03, 86.7-87.1-0.106, 87.1-88.8-0.04	.4	3.8	4.2
108	caved	Caved			
109	96	90.5-91.5-0.02		1.0	
110	caved	Caved			
111	102	98.3-99.8-0.07		1.5	
112	108	100.3-101.4-0.06		1.1	
113	caved	Caved			
114	128	122.6-124.5-0.05		1.9	
115	56	49.8-50.8-0.035, 50.8-51.8-0.10, 51.8-54-0.04	1	3.2	4.2
116	90.5	87.0-88.5-0.07		1.5	
117	No report - caved				
118	No report - caved				
119	144	139.4-141.5-0.035		3.1	
120	73.5	67-68-0.045, 68-68.5-0.10, 68.5-69.6-0.045	.5	2.1	2.6

69.0
2.6

4. Technical Description (continued)

RECEIVED
NOV 21 1955

(c) Geology

(1) General

The Cliff Group is located on the southwest flank of the Circle Cliffs uplift. The Shinarump in this area is dipping 3 degrees to the southwest. There is a pronounced fracture pattern in the Chinle, on the west side of the property, but otherwise no there are no additional structural features. The Shinarump conglomerate in this area varies in thickness from 0 to 50 feet and is typical of Shinarump of the White Canyon-Circle Cliffs region. The Chinle formation is approximately 550 feet thick and consists of red sandstone and siltstone.

(2) Geology and Mineralogy of Deposit

It is relatively certain that the mineralization on the Cliff Group is related to a pinch-out in the Shinarump conglomerate. The pinch-out is exposed on the property north of the Cliff #26 claim; at this point the Shinarump pinches to the north to extinction and does not appear to the north for two miles. The mineralization was encountered in the pinchout in drilling.

The outcrop of the mineralized zone was at the base of the Shinarump and some alteration and copper mineralization was noted in the underlying Moenkopi. The uranium mineralization was confined to carbon and carbonaceous sandstone layers (cf 4a2 for assay).

The drilling on the property defined a zone of mineralization 300 feet long by 150 feet wide that trended along the pinch-out in a southeasterly direction. Two mineralized holes off of this trend were found but they do not appear to have any significance to the trend. The maximum thickness of mineralization was 4.2 feet and the maximum value found by drilling was 0.30% U_3O_8.

(3) Reasons for requesting additional exploration

It appears from past exploration that the pinch-out has some control over the mineralization and that the zone of mineralization outlined is of considerable magnitude. Some commercial ore has been found within the zone. The zone is trending down dip and it is possible that an ore body may have resulted from increased concentration by the mineralizing solution in the area suggested for DMA exploration. The drilling pattern is minimized by the trend established by past exploration.

COPY

4. Physical Description (Continued)

(d) Accessibility

(1) The claims are accessible from drill roads built for past exploration. However, approximately 3500 feet of road will be necessary for the proposed project.

(2) Shipping points: Marysvale, Utah is 156 miles from the property by road, 79 miles of it being paved. There is a buying station there. Green River is 240 miles from the property, 4 miles of this is paved and 36 miles of this should be paved in the near future.

Supplies are available at Price, Utah, Richfield, Utah, or Grand Junction, Colorado.

Resident facilities are available at Escalante, Utah or at Hanksville, Utah.

(3) N.B. HUNT HAS CONSTRUCTED AN AIRSTRIP 4 MILES FROM THE PROPERTY

(e) Logistics

(1) Man power-readily available

(2) Materials-supplies-equipment- available at Loa, Richfield, or Green River, Utah.

(3) Water- water would be available 3 miles from the property, if a greater volume of drilling water or culinary water is desired a 40 foot hole could be drilled. In the spring of the year water from run off could be caught by reservoirs.

(4) Power-none available in this area.

COPY

RECEIVED
NOV 21 1955

5. (b) Proposed Exploration Program (See Map)

1. Phase 1

(a) Engineering Program

Approximately 3500 feet of access road and 38 drill sites will be necessary. In addition to this it will be necessary to build one reservoir and drill one 40 foot hole to obtain drill water.

(b) Drilling Program

The area includes 38 drill holes on 8 drill fences. One fence of three holes is planned to test the area between holes 119, 20 and 24,25, and 26. The remaining seven fences are set up to extend the trend established by past exploration. Each of these fences are parallel and 150 feet apart. The westernmost five fences are planned so they can shift in one direction or another, depending on the results of the first three fences. Drill holes on all fences are on 75 foot spacings.

The drill depth on the easternmost fence is 190 feet and the total footage on the fence is 570 feet. The depth on the other seven fences is 570 feet maximum, 260 feet minimum, and 450 feet average depth. The total footage for all 38 holes is 16,420.

2. Phase 2

(a) Engineering Program

Approximately 500 feet of access road and 10 drill sites will be necessary.

(b) Drilling Program

Approximately 10 holes with an average depth of 500 feet would be utilized to 6 feet between fences any ore holes obtained in Phase 1 drilling. This program would entail 5000 feet of drilling.

COPY

RECEIVED
NOV 8 1 1955

5. (b) Proposed Exploration Program (Continued)

RECEIVED
NOV 21 1955

COPY

3. Detailed Breakdown of Drilling Depths (see section)

(a) Phase I

(1) 30 feet of core to be taken per hole

Core footage	1,140 feet
Non-core footage	15,280 feet
	16,420 feet

(2) Depths on fences

5 holes—570 feet deep =	2,850
5 holes—525 feet deep =	2,625
5 holes—475 feet deep =	2,375
5 holes—428 feet deep =	2,140
5 holes—380 feet deep =	1,900
5 holes—330 feet deep =	1,650
5 holes—285 feet deep =	1,425
3 holes—190 feet deep =	570
	15,535
To compensate for any error in depth calculations, rotation of fences, paleochannel lithology	885
	16,420 feet

(b) Phase II

Thirty feet of core to be taken per hole

Core footage	300 feet
Non-core footage	4700 feet
	5000 feet

No detailed breakdown is possible due to the nature of Phase II.

16 420
21 420

5. (d) Operating experience

The applicant, N.B. Hunt, has been actively engaged in the search for and production of crude oil and gas over the past 9 years. The applicant has been directly responsible for the successful operation of an oil well drilling contracting company.

N.B. Hunt has actively been engaged in uranium exploration for the past two years, where geology, electronic equipment, core drills, and deep hole probes have been continuously employed. During the past year, the applicant has successfully operated a small core rig, used entirely on his own explorations. The drilling by this rig successfully located and blocked out a small ore body on which an incline shaft is being sunk down at the present time.

PRESENTLY EMPLOYED

J.S. Wilcox, chief engineer for the company, is a graduate engineer. He has operated gold mines in 1937, 1938, and 1946, and has been actively engaged in oil and mining from 1937 to the present except for a short period of military service.

R. Hodges, field engineer for the company, has spent his entire active life in the mining business except for a short period during World War II. He has prospected, leased, mined, and was shift boss for several operations. He has been responsible for sinking both vertical and incline shafts.

G. Dix, geologist for the company, is a graduate geologist and has been actively engaged in uranium exploration for the past three years. He has been field geologist for the AEC, Utex Exploration Co., and the Clinchfield Sand & Feldspar Corp.

Wilcox and Hodges will supervise the physical aspects of the exploration, and Dix will supervise the coordination of geologic data.

COPY

RECEIVED
NOV 21 1955

[illegible] PROJECT-HOLE COST SHEET

Item	Function	Rate	Amount	Total
Bulldozer (contract)	3500' road, 38 sites	12.00/hr or 96.00/day	27 days	2,592.00
Drilling (N.A. Hunt)	Price to cover all footage, considering depth, coring etc	2.55/ft.	16,420 ft.	41,871.00
Labor				
(a) surveyor	Labor includes field expenses	650.00/mo	1 mo.	650.00
(b) Geologist		650.00/mo	2 mos.	1,300.00
(c) Rodman-Logger		1.65/hr 48 hr week, (100.00 no expenses)	3 mos.	1,329.60
Materials & Supplies				
(a) one jeep	transportation, probe current	12.00/day incl gas, oil	3 mos.	1,080.00
(b) probe	Geiger with Esterline annus recorder, motor driven	1.00/hole	38 holes	38.00
(c) Core boxes	4X, 2 per hole	14.28/score	3.8 score	54.26
(d) Strip Logs	Stratigraphic log	.50/log	38 logs	19.00
Miscellaneous				
(a) assays		5.00/assay	152 assays	760.00
(b) Core storage	N.A. Hunt warehouse			10.00
Office records	Bookkeeping, typing, drafting, calculations, reproduction	600.00/mo	3 weeks	450.00
				$50,153.86 Total

[illegible] PROJECT- PHASE II- [illegible] ATTACHMENT

Item	Function	Rate	Amount	Total
Bulldozer (contract)	500' road, 10 sites	12.00/hr 96.00/day	9 days	864.00
Drilling (N.L. Hunt)	Price to cover all footage, considering depth, coring etc	2.55/ft	5000 ft.	12,750.00
Labor	Labor includes field exp.			
(a) Surveyor		650.00/mo	one week	162.50
(b) Geologist		650.00/mo	one month	650.00
(c) Logger-Helper		1.65/hr, 48 hr week, 100.00/mo exp.	one month	443.20
Materials & Supplies				
(a) One jeep	transportation, probe carrier	12.00/day	one month	360.00
(b) Probe	Geiger with waterline Argus Recorder, motor driven	1.00/hole	10 holes	10.00
(c) Core boxes	[illegible]	14.23/score	one score	14.28
(d) Strip logs	Stratigraphic logging	.50/log	10 logs	5.00
Miscellaneous				
(a) assays		5.00/assay	50 assays	250.00
(b) Core storage	N.L. Hunt warehouse			3.00
(c) Office Records	bookkeeping, typing, drafting, calculations, recordations	100.00/mo	one week	150.00
				$15,621.98 Total

Stanray Mining Company

246 GRAND AVENUE
TELEPHONE 56
NOGALES, ARIZONA

Please address any
reply: P.O. Box 1911
Grand Junction, Colo.

October 18, 1955

Mr. John Wilcox
c/o N. B. Hunt
618 Rood Avenue
Grand Junction, Colorado

Dear Mr. Wilcox:

We would like to submit the following firm bid on your proposed drilling program on the N. B. Hunt properties in the Circle Cliffs area of Garfield County, Utah:

BID: $3.95 per foot for program #1 (38 holes totaling 16,420 feet, holes to be drilled to a maximum of 570 feet with a minimum of 260 feet, plus 1,140 feet of core).

BID: $3.65 per foot for program #2 (10 holes averaging 500 feet per hole, totaling 5,000 feet with 300 feet of core).

This bid is based on our experience in drilling this area and anticipating the need of casing each hole from 30 to 100 feet, due to the slough from the Wingate cliffs above. This area is quite remote, which makes supply and repairs costly.

Sincerely,

Ray Carpenter

Ray Carpenter
Secretary-Treasurer

RC/dl

MINERALS ENGINEERING COMPANY
P. O. BOX 1951
GRAND JUNCTION, COLORADO

October 18, 1955

Mr. N. B. Hunt
Box 1786
Grand Junction, Colorado

Dear Mr. Hunt:

The following quotations are our bid for drilling a minimum of 16,420 feet on your Circle Cliff properties in southern, Utah:

Depth	Price per Foot Non Core	Price per Foot Core
0-200 feet	$ 1.75	$ 2.75
200-400 feet	2.00	3.25
400-600 feet	3.00	4.50

Stand-by time we bid at the rate of $12.00 per hour.

We would expect to begin operations with two fully equipped core drills capable of delivering cores below 800 feet. The above schedule includes any and all costs of drilling operations.

We would expect to operate steadily and continuously unless prevented by causes beyond our control. It is our understanding that you would prepare access roads and drill sites for the movement of our equipment.

We would expect to begin drilling operations within 15 days after notice of acceptance of our bid.

Thank you for asking us to submit this bid.

Very truly yours,

MINERALS ENGINEERING COMPANY

Howard S. Perry

Howard S. Perry
Drill Superintendent

HSP/k

MINERALS ENGINEERING COMPANY
P. O. BOX 1951
GRAND JUNCTION, COLORADO

October 18, 1955

Mr. N. B. Hunt
Box 1786
Grand Junction, Colorado

Dear Mr. Hunt:

The following quotations are our bid for drilling a minimum of 5,000 feet on your Circle Cliff properties in southern Utah:

Depth	Price per Foot Non Core	Core
0-200 feet	$ 1.75	$ 2.75
200-400 feet	2.00	3.25
400-600 feet	3.00	4.50

Stand-by time we bid at the rate of $12.00 per hour.

We would expect to begin operations with two fully equipped core drills capable of delivering cores below 800 feet. The above schedule includes any and all costs of drilling operations.

We would expect to operate steadily and continuously unless prevented by causes beyond our control. It is our understanding that you would prepare access roads and drill sites for the movement of our equipment.

We would expect to begin drilling operations within 15 days after notice of acceptance of our bid.

Thank you for asking us to submit this bid.

Very truly yours,

MINERALS ENGINEERING COMPANY

Howard S. Perry

Howard S. Perry
Drill Superintendent

HSP/k

October 26, 1955

W. B. Hunt
Box 1786
Grand Junction, Colo.

Attn: Mr. John Wilcox

Gentlemen:

In accordance with our conversations, we herewith submit our quotation for drilling in the Circle Cliffs area of Utah.

PROPOSAL:

Non-Core Drilling

Item 1. - From surface to 400 ft. depth. . . . . .1.85 per ft.
Item 2. - From 400 ft. to 600 ft. depth. . . . . .2.60 per ft.

Core Drilling

Item 3. - From surface to 400 ft. depth. . . . . .3.60 per ft.
Item 4. - From 400 ft. to 600 ft. depth. . . . . .5.00 per ft.

Delays

Item 5. - For all delays such as radiometric logging or for any other reason required by the customer. . . . . .12.00 per hr.

This quotation is subject to the following conditions:

1. All drill hole locations and access roads to drill sites will be constructed and maintained to accommodate Sprague & Henwood, Inc. truck mounted drills and water trucks. Any bulldozer work required for preparation of sites and roads will be furnished by the customer at no cost to Sprague & Henwood, Inc.

2. Cores will be delivered at drill hole locations, and storage and preservation of cores will be the responsibility of the customer.

3. All holes will be located in the field by the customer.

4. Payments are to be made monthly based on completed holes, within 15 days after date of invoice. Should payments not be made within the specified period then Sprague & Henwood, Inc. reserves the right to terminate operations. Credit arrangements satisfactory to Sprague & Henwood, Inc. must be made prior to commencement of work.

Grand Junction, Colorado
October 26, 1955

We thank you for the opportunity of submitting this proposal.

Very truly yours,

SPRAGUE & HENWOOD, INC.

by V. Garver

R. R. Garver

RRG:bo
CC: Scranton
File

MAPS

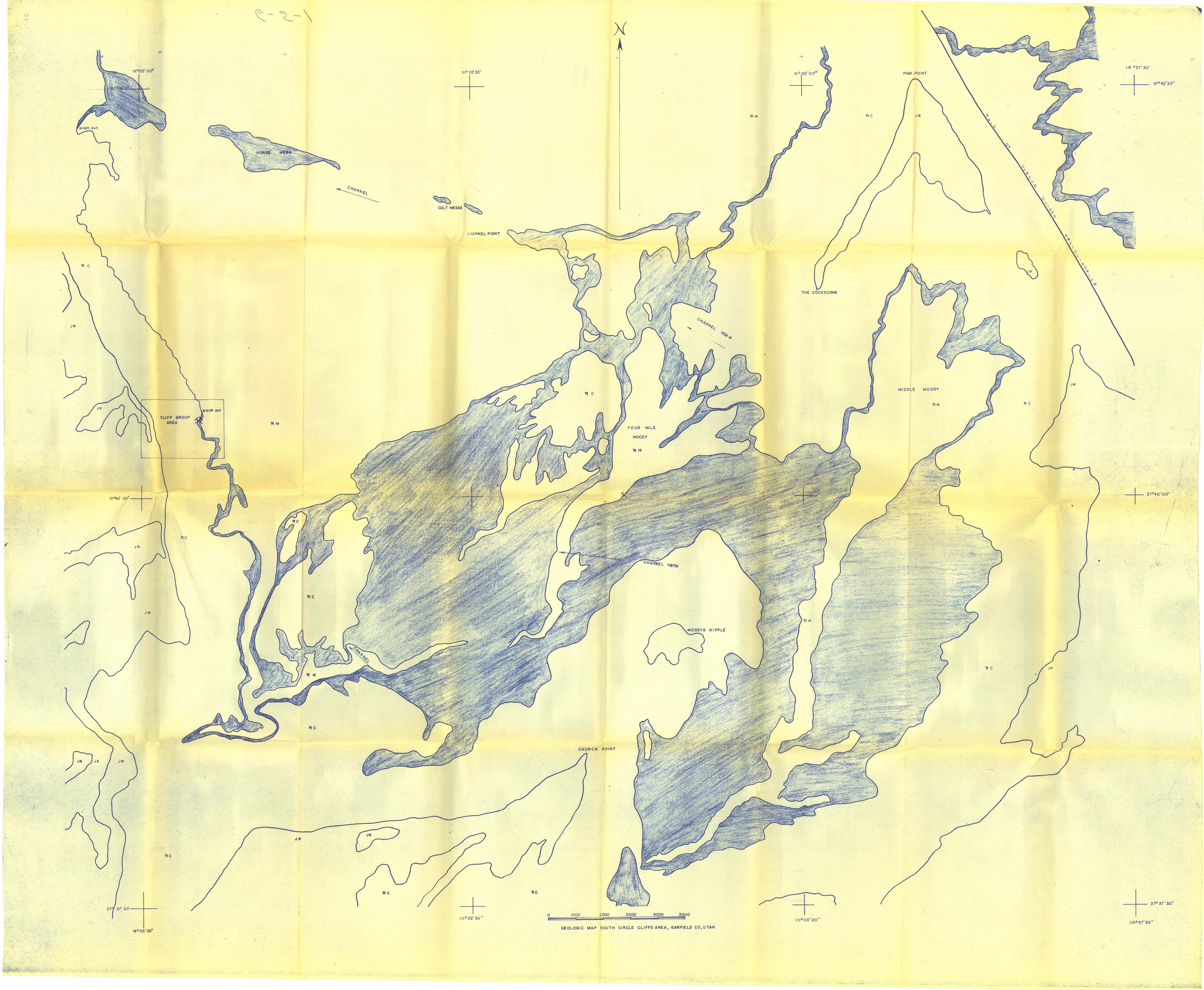
(1) Geologic Map-South Circle Cliffs Area

(2) Detailed Drill Map

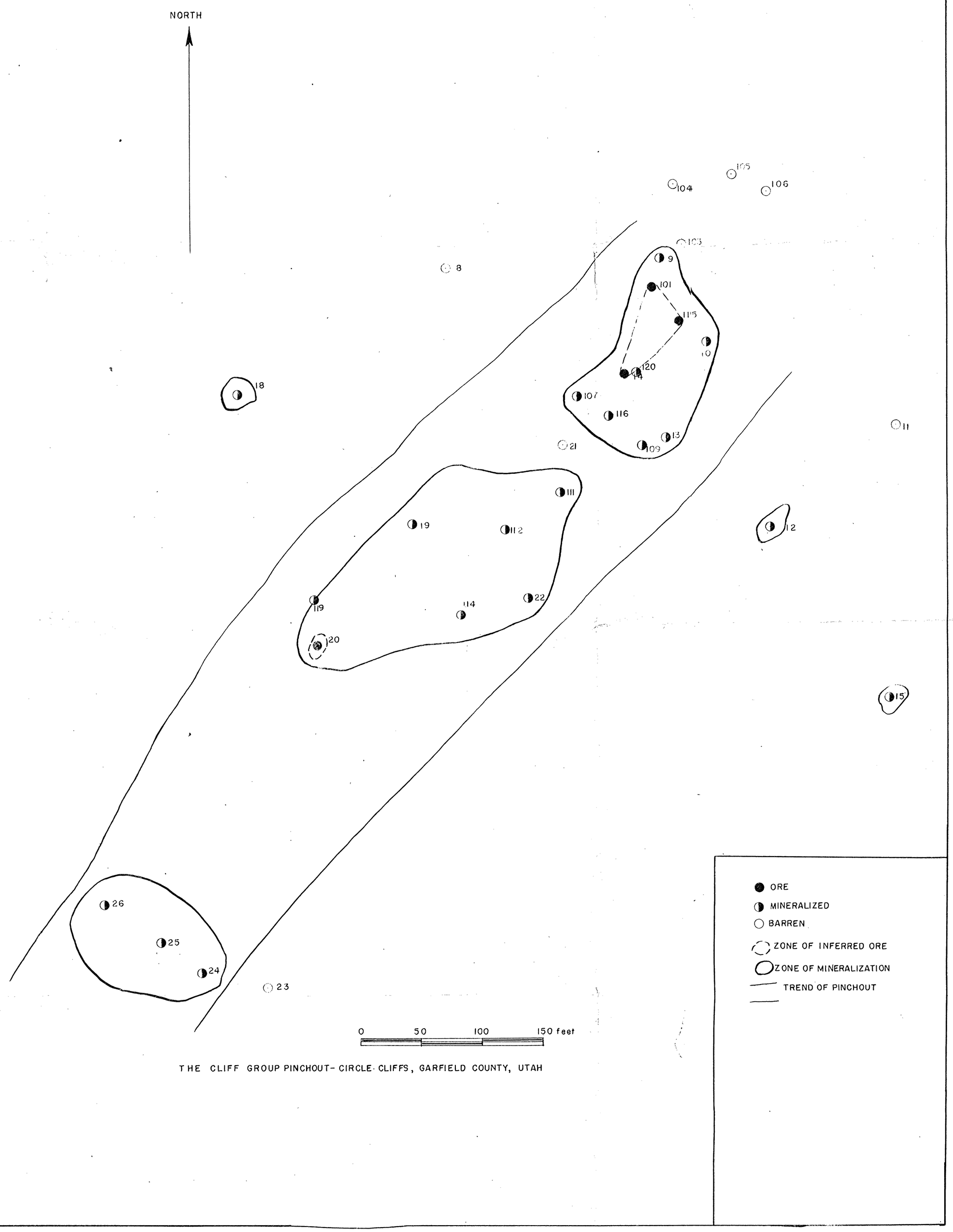
(3) Drill Map-Projected Exploration

(4) Section Through Drill Area

ANCHOR CLASP
H 68 7 x 10
MADE IN U. S. A.



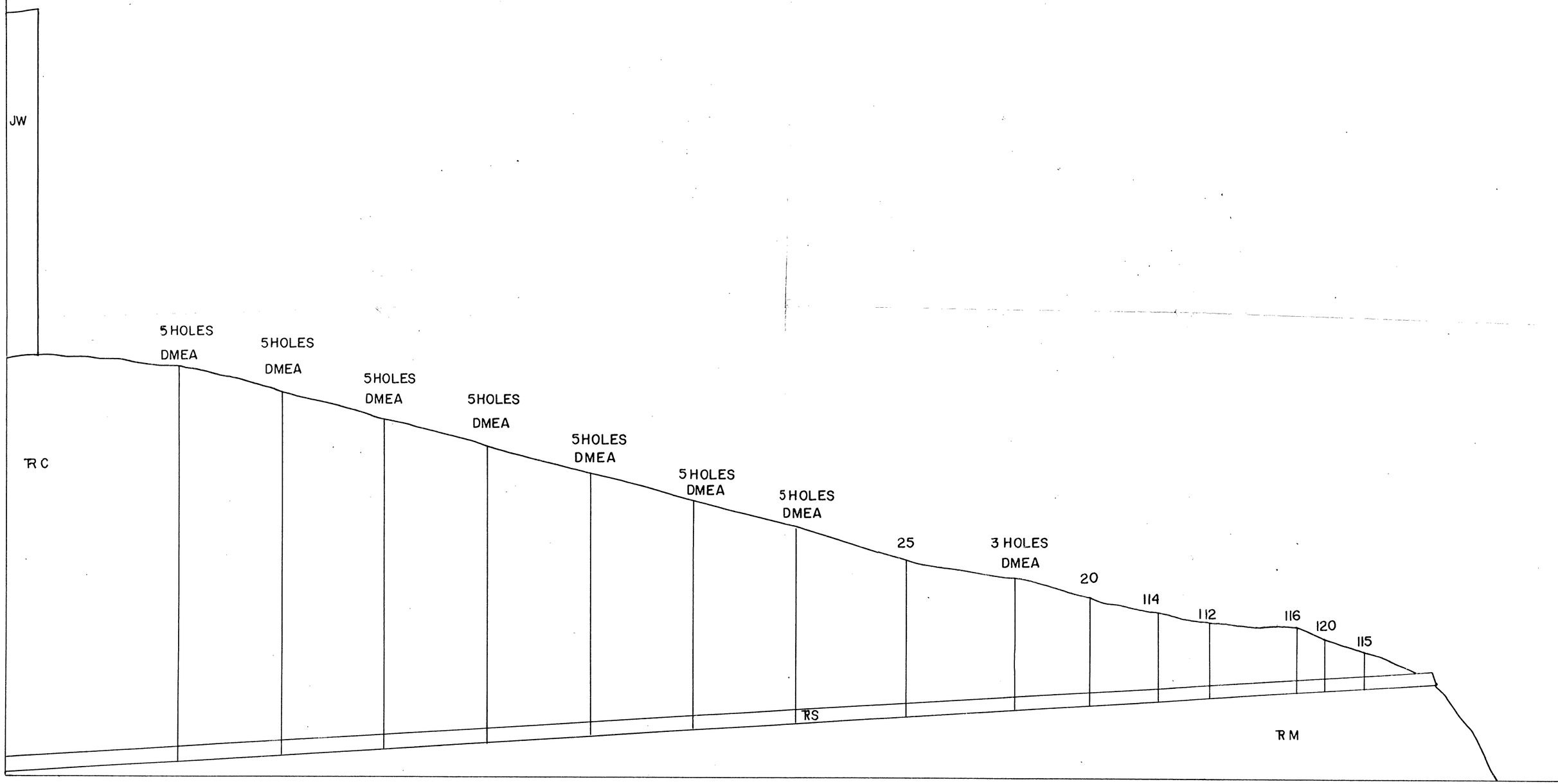
GEOLOGIC MAP SOUTH CIRCLE CLIFFS AREA, GARFIELD CO, UTAH



THE CLIFF GROUP PINCHOUT- CIRCLE CLIFFS, GARFIELD COUNTY, UTAH

CLIFF GROUP DMEA —— SECTION THRU DRILL AREA

1"=100' V,H



RECEIVED
NOV 14 1955

CLIFF PROJECT, CIRCLE CLIFFS AREA, GARFIELD CO, UTAH