MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUN 20 1955
BUREAU OF MINES
SOLID MO.

JUN 20 1955

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. 3865
Metal or Mineral Uranium, Thorium & Rare Earth
Date Received 6/22/55
Estimated Cost $ 37,952.50
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: AMICUS OIL COMPANY
840 MELLIE ESPERSON BUILDING
HOUSTON, TEXAS

(*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. (See Exhibit I attached.)

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

(*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 (See Exhibit I attached.)

(*b*) State any mine name by which the property is known. AMICUS OIL COMPANY'S HOT ROCK NO. ONE.

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

(*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. (See 3 (c) on Exhibit I attached)

(*e*) If you own the land, describe any liens or encumbrances on it. (See 3 (c) on Exhibit I attached)

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None.

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. (See Exhibit I attached)

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. (See Exhibit A attached)

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore (See Exhibit I attached)

(*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. (See Exhibit I attached)

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract. (See Exhibit I attached)

(*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. (See Exhibit I attached)

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: (See Ex. II)

(*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)? Yes.

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper. (See Exhibit I attached)

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 June 10, 1955

ATTEST:

Secretary

AMICUS OIL COMPANY
(Applicant)

By President

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

Form MF-103
Application for Aid in an
Exploration Project, etc.
Page 1

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

EXHIBIT I.

RECEIVED
JUN 22 1955

1. (b) Amicus Oil Company, 840 Mellie Esperson Building, Houston, Texas, a corporation incorporated under the laws of the State of Texas. Its officers are:

1. (c) President: W. T. Moran, 840 Mellie Esperson Bldg., Houston, Texas
Vice-President: Maurice Hirsch, 1902 Niels Esperson Bldg., Houston, Texas
Secretary: I. Mark Westheimer, 1902 Niels Esperson Bldg., Houston, Texas

3. (a) Sections Twelve (12) and Thirteen (13), Block 10, Public School Lands, Hudspeth County, Texas.

3. (b) Amicus Oil Company's HOT ROCK NO. ONE.

3. (c) The land in question belongs to the Public School Fund of the State of Texas. Pursuant to the Statutes of the State of Texas, the Commissioner of the General Land Office of the State of Texas issued to H. C. Aiken permits to prospect for metalic minerals and precious stones, being Permit No. M-42838 covering Section Twelve (12), above described, and Permit No. M-42836, covering Section Thirteen (13) above described, photostatic copies of which are hereto attached. Amicus Oil Company has acquired these and other permits from H. C. Aiken, by assignment dated December 22, 1954, a photostatic copy of the instrument of assignment being similarly hereto attached. Amicus Oil Company owns one hundred (100%) per cent of the rights under the above described permits.

3. (d) Explained under 3 (c) above.

3. (e) Explained under 3 (c) above.

3. (f) None.

4. (a) At the present time, no mining or exploration operations are being conducted on this property. After the initial exploration work indicating the potentiality of the property, further activities have ceased until this application could be processed.

4. (b) None.

4. (c) This is fully explained in "EXHIBIT A" attached.

4. (d) The property is readily accessible by paved and all-weather roads. Location is approximately 40 miles East, by road, from El Paso, Texas on an all-weather road 14 miles off of U. S. Highway No. 180. Shipping, supply and residence point is El Paso, Texas, 40 miles from the project.

4. (e) Manpower, materials, supplies, equipment, water and power are all readily accessible.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

EXHIBIT I (Continued):

5. (a) Exploration to establish extent of outcrop of Bliss Sandstone which initial analyses show carrying uranium, thorium, vanadium and rare earth minerals. Amicus Oil Company would wish to explore and evaluate the potentiality of all of the above.

5. (b) Preliminary core drilling, bulldozing, blasting, radiation surveys and deep hole prospecting to block out volume and concentration of mineralized beds.

5. (c) The work will start immediately after approval by DMEA and it is expected could be completed within three (3) months from the date of exploration contract.

5. (d) It is proposed that the work will be handled by contract, using competent mining engineer to supervise the operations.

Amicus Oil Company has been heretofore primarily an oil royalty company. However this work is being handled by Mr. Francis K. Campbell for Amicus Oil Company. Mr. Campbell is fully experienced in all phases of this work.

6. See EXHIBIT II attached.

7. (a) Yes.

7. (b) Amicus Oil Company will advance its share of the cost in question.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

EXHIBIT II.

6. ESTIMATE OF COSTS:

(a) Independent contracts -	
Core drilling -	
169 core holes to avg. depth of 50 feet -	
8,450 ft. at $3.25 per foot	$27,462.50
Bulldozer -	
2 round trip moves from El Paso, Texas to mining location at $100 per trip	200.00
7 days or 56 hrs., bulldozer and operator at $15 per hr.	840.00
(b) Labor, supervision, consultants -	
Supervising Mining Engineer -	
2 months at $1,000 per month	2,000.00
Assistant Engineer - 2 months at $750 per month	1,500.00
Consulting Geologist -	
2 months at $1,000 per month	2,000.00
2 Laborers at $300 per month each	600.00
(c) 5 Cases Dynamite with caps and wire, $20 per case	100.00
(d) Deep Hole probe gamma ray logs of core holes	500.00
(e) None.	
(f) One Combination Bunk House and Tool House	750.00
(g) All contracts.	
(h) Contingencies -	
Travelling and living expenses of supervisors and helpers, 4 men for 2 months at $1,000 per month	2,000.00
Total	$37,952.50

FORM MP-102
Application for Aik, etc.

PERMIT NO. M-[illegible]

FOR

METALLIC MINERALS AND PRECIOUS STONES

RECEIVED
JUN 22 1955

Date December 1, 1954

WHEREAS, H. C. Aiken of 840 Esperson Bldg., Houston 2, Texas, on the 23rd day of November, 1954, filed in this office his application to prospect the following area for gold, silver, platinum, cinnabar and other metallic ores and precious stones, in accordance with Section 12, of an Act approved May 29, 1931, and amendments thereto, and has paid the amount of 74.05 as the rental provided by law:

Part	Sec.	Blk.	Tsp.	Cert.	Grantee	Acres	County
All	12	10			PSL	740.5	Hudspeth

Said land appearing to belong to the State and subject to prospect, said application is accepted for the purpose indicated, and the right of said applicant to enter upon said land and prospect it for a period not to exceed one year, beginning on December [illegible], 1954, under said law, is hereby acknowledged subject to [illegible]ules and regulations governing the issuance of such permit.

This permit may be assigned as a whole, but cannot be subdivided by assignment without the consent of the Commissioner of the General Land Office. No tract of less than 40 acres may be assigned. Any assignment of this permit, or any part hereof, shall be recorded in the county where the land embraced herein is located, and shall be filed in the General Land Office within 90 days from the date of execution, accompanied by a filing fee of one dollar.

If the owner of this permit should fail or refuse to prospect the area embraced herein within a reasonable time and in good faith, or if the owner of his authorized agent should make any false report concerning such prospecting, or should fail or refuse to furnish information concerning the prospecting or development of such area to the Commissioner of the General Land Office, or his representative, within thirty days after request for such information, this permit shall become subject to forfeiture.

In all cases the authority of a manager or agent to act for the owner of this permit must be filed in the General Land Office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the seal of said office on this, the date first above written.

Commissioner, General Land Office.

FORM 51

GENERAL LAND OFFICE

PROSPECT PERMIT

Rec. No. 21099
Fund No. [illegible]-332

AUSTIN, TEXAS November 23, 195 4

RECEIVED FROM W. C. Allen, 840 Esperson Bldg., Houston 2, Texas

$74.05 Seventy-Four and 05/100.....DOLLARS

FOR RENTAL on 740.5 Acres. Sec. 12, Blk. 10, PSL

HUDSPETH COUNTY (Period 12-1-54 to 12-1-55)

State Lease [illegible]-42858

Bascom Giles

Form MF-103
Application for Aid, etc.

AMICUS OIL CO[illegible]
840 Mellie Esperson Bldg.
Houston, Texas

PERMIT NO. M-42836 TO PROSPECT

FOR

METALLIC MINERALS AND PRECIOUS STONES

Date December 1, 1954

WHEREAS, H. C. Aiken of 840 Esperson Bldg., Houston 2, Texas, on the _____ day of _____, 19__, filed in this office his application to prospect the following area for gold, silver, platinum, cinnabar and other metallic ores and precious stones, in accordance with Section 12, of an Act approved May 29, 1931, and amendments thereto, and has paid the amount of $74.05 as the rental provided by law: Reg. #21098

Part	Sec.	Blk.	Tsp.	Cert.	Grantee	Acres	County
All	13	[illegible]			PSL	740.5	Hudspeth

Said land appearing to belong to the State and subject to prospect, said application is accepted for the purpose indicated, and the right of said applicant to enter upon said land and prospect it for a period not to exceed one year, beginning on December [illegible], 19__, under said law, is hereby acknowledged subject to the rules and regulations governing the issuance of such permit.

This permit may be assigned as a whole, but cannot be subdivided by assignment without the consent of the Commissioner of the General Land Office. No tract of less than 40 acres may be assigned. Any assignment of this permit, or any part hereof, shall be recorded in the county where the land embraced herein is located, and shall be filed in the General Land Office within 90 days from the date of execution, accompanied by a filing fee of one dollar.

If the owner of this permit should fail or refuse to prospect the area embraced herein within a reasonable time and in good faith, or if the owner of his authorized agent should make any false report concerning such prospecting, or should fail or refuse to furnish information concerning the prospecting or development of such area to the Commissioner of the General Land Office, or his representative, within thirty days after request for such information, this permit shall become subject to forfeiture.

In all cases the authority of a manager or agent to act for the owner of this permit must be filed in the General Land Office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the seal of said office on this, the date first above written.

[illegible]
Commissioner, General Land Office.

FORM 51

GENERAL LAND OFFICE

Reg. No. 21098
Fund No. 44-332

PROSPECT PERMIT

AUSTIN, TEXAS November 23, 1954

RECEIVED FROM W. G. Aiken, 840 Esperson Bldg., Houston 2, Texas

$74.05 Seventy-Four and 05/100.....DOLLARS

FOR RENTAL on 740.5 Acres. Sec. 13, Blk. 10, PSL

HUDSPETH COUNTY (Period 12-1-54 to 12-1-55)

State Lease M-42826

Bascom Giles

Form MF- 103
Application for Aid, etc.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

THE STATE OF TEXAS
COUNTY OF HUDSPETH

WHEREAS, on the 1st day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken, of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-42859, covering Section 1, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42854, covering Section 4, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42853, covering Section 6, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42852, covering Section 7, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42855, covering Section 8, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42860, covering the W pt & NE pt of Section 9, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42833, covering Section 10, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42858, covering Section 12, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42836, covering Section 13, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42857, covering Section 14, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42834, covering Section 15, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42850, covering Section 17, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42856, covering Section 21, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42851, covering Section 22, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42835, covering Section 24, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M42848, covering Section 42, Block 68, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42847, covering the South one-half of Section 26, Block 69, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42846, covering Section 48, Block 69, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-8 NIELS ESPERSON BLDG.
HOUSTON 2, TEXAS

Permit No. M-42845, covering Section 16, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42844, covering Section 17, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42843, covering Section 24, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42842, covering Section 25, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42849, covering Section 1, Block 76, Public School Lands, Hudspeth County, Texas.

And, WHEREAS, on the 3rd day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-42868, covering Section 2, Block 4, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42879, covering Section 2, Block 5, Cert. 4/824 GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42880, covering Section 4, Block 5, Cert. 4/829, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42881, covering Section 6, Block 5, Cert. 4/1689, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42866, covering S. pt. Section 8, Block 5, Cert. 4/1679, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42867, covering N pt. Section 8, Block 5, Cert. 4/1679, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42882, covering Section 11, Block 31, Public School Lands, Hudspeth County, Texas.

Permit No. M-42883, covering Section 9, Block 32, Public School Lands, Hudspeth County, Texas.

Permit No. M42884, covering Section 1, Block 42½, Public School Lands, Hudspeth County, Texas.

Permit No. M-42890, covering Section 14, Block 42½, Public School Lands, Hudspeth County, Texas.

Permit No. M-42885, covering Section 26, Block 56, Public School Lands, Hudspeth County, Texas.

Permit No. M-42887, covering Section 14, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42886, covering Section 15, Block 71, Public School Lands, Hudspeth County, Texas.

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1908-5 NIELS ESPERSON BLDG.

Permit No. M-42888, covering Section 2, Block 72, Public School Lands, Hudspeth County, Texas.

Permit No. M-42893, covering Section 343, Scrap File 9476, D. Taylor Survey, Hudspeth County, Texas.

Permit No. M-42894, covering Section 344, Scrap File 9477, D. Taylor Survey, Hudspeth County, Texas.

Permit No. M-42889, covering Section 1201, Scrap File 14165, J. A. and J. D. Bramblett Survey, Hudspeth County, Texas.

Permit No. M-42895, covering Section 21, Scrap File 12424, J. W. Dolin Survey, Hudspeth County, Texas.

And, WHEREAS, on the 8th day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit: Permit No. M-43056, covering Section 11, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-43055, covering the NE¼ and N½ of the SE¼ of Section 23, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-43054, covering the W½ and the S½ of the SE¼ of Section 23, Block 10, Public School Lands, Hudspeth County, Texas.

And, WHEREAS, on the 13th day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-43099, covering Section 16, Block 61½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43093, covering the S½ of Section 19, Block 63½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43096, covering Section 1, Block 66½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43097, covering Section 9, Block 66½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43095, covering Section [illegible], Block [illegible], Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-[illegible], covering Section [illegible], Block [illegible], Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-[illegible], covering Section [illegible], Block [illegible], Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

NOW, THEREFORE, for and in consideration of Ten and No/100 the ($10.00) Dollars and other good and valuable considerations, the receipt and

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BLDG
HOUSTON 2, TEXAS

sufficiency of which is hereby acknowledged, the undersigned, H. C. Aiken, the present owner of the said permits and all rights thereunder or incident thereto, does hereby BARGAIN, SELL, TRANSFER, ASSIGN and CONVEY unto AMICUS OIL COMPANY, a Texas corporation, all his rights, titles and interests in and to the above described permits and rights thereunder.

IN WITNESS WHEREOF, the undersigned owner and assignor has signed this instrument this 22nd day of December, 1954.

H. C. Aiken

H. C. Aiken

THE STATE OF TEXAS }
COUNTY OF HARRIS }

BEFORE ME, the undersigned authority, on this day personally appeared H. C. AIKEN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 22nd day of December, 1954.

Edgar D. Bottler

Notary Public in and for Harris County, Texas

EDGAR D. BOTTLER

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BLDG
HOUSTON 2, TEXAS

39528

ASSIGNMENT OF MINING PERMITS

FROM: H. C. AIKEN, "ASSIGNOR"

TO: AMICUS OIL COMPANY, "ASSIGNEE"

12-27-54
8:30 o'clock a.m.
Martha L. McLure
Clerk, County Court, Hudspeth Co., Tex.
Nevin Walbridge

LAW OFFICES OF

MIRSCH AND WALBRIDGE
LAW OFFICES OF

I, Martha L. McLure Clerk of the County Court of Hudspeth County do hereby certify that the foregoing Assignment of Mining Permits

THE STATE OF TEXAS,
COUNTY OF HUDSPETH

County Court in and for said County do hereby certify that the foregoing instrument of writing, with its certificate of authentication, was filed for record in my office on the 27th day of December, 1954, at 8:30 o'clock a.m., and duly recorded the 28th day of December, 1954, at 2:30 o'clock p.m., in Volume 56 on Pages 537-539 of the Official Records of said County.

Witness my hand and the seal of the County Court of said County, at office in Sierra Blanca, Texas, this the 28th day of December, A.D. 1954.

Martha L. McLure
Clerk County Court, Hudspeth County, Texas

Nevin Walbridge, Esq.

FRANCIS X. BOSTICK
GEOLOGIST
623 SAN JACINTO BLDG.
HOUSTON, TEXAS

RECEIVED
JUN 22 1955

Americas Oil Company
840 Mellie Esperson Bldg
Houston, Texas

EXHIBIT -A-

RECEIVED
JUN 2 3 1955

EXHIBIT "A"

4. Physical Description - (a) No mining or exploration operations have been conducted upon the land. The only operation carried on to date has been the bulldozing of rubble from the outcrop of the radioactive exposure of Bliss sandstone over a very limited area in order to determine that the discovery outcrop was in place and was not slump or float material from some unknown location.

(b) None

(c) The location of the radioactive outcrop of Bliss sandstone is in the south foothills of the Hueco Mountains. The major structural feature of the Hueco Mountains is an arch trending northwestward, whose axis lies near or a little west of the crest of the range.

The local geologic feature at the position on structure of the radioactive exposure of the Bliss sandstone under discussion is a large fault trending northeast-southwest that drops Upper Ordovician rocks on the west against Lower Ordovician, Cambro-Ordovician and pre-Cambrian granite on the east. (Refer to enclosed Map No. I). The Bliss sandstone in which the radioactivity occurs is the oldest sedimentary Paleozoic deposit and lies unconformably on red granites of pre-Cambrian age. It has a thickness of about 200 feet and dips to the northeast at about 10 degrees beneath the overlying El Paso limestone of Lower

Ordovician age. The dip on the base of the Bliss in contact with the granite is unknown.

There are very few outcrops of Bliss sandstone, as the area is largely covered with slump material, and considerable exploratory work will have to be done in order to evaluate the extent of the mineralized beds. The area of greatest mineralization in the sandstone is apparently within close proximity to the granite mass. A gamma ray survey was made with a Babbel counter Model No. 510, using a bismuth detector tube placed directly on the ground of a limited area around the outcrop of the discovery radioactive rock titled "Hot Rock No.1" and from these data the accompanying Isorad Map was constructed. (Refer to Map II).

Eleven samples of the Bliss sandstone were taken at random over the area covered by the Isorad Map and assays of these samples follow:

Continued on next page.

Sample No.	SiO2 & AlSiO2	Sol. Al2O3	Fe	CaO	V3O8	Th	Rare Earth	Va
28	86.60	1.00	2.50	1.50	.108	.32	.32	
28-0	64.75	5.85	15.00	1.05	.110	0		
28-5	94.00	nil	1.30	1.00	.100	-	.03	
28-ZZ	92.30	1.10	1.20	2.60	.105	.24	.07	
28-ZY	87.50	1.10	4.30	4.70	.100	.02	Trace	
28-ZK	92.50	1.00	3.90	1.30	.140	.15	.08	
28-ZP	88.50	2.8	3.50	.50	.480	.44	.62	
28-ZF	(Analyzed only for V3O8; Th; & Va)				.110	.00		.21
28-ZI	"	"	"	"	" .200	.46		.20
28-ZM	"	"	"	"	" .176	.22		.34
28-ZO	"	"	"	"	" .311	.51		.19

The analyses of the above surface samples indicate the mineralization in the sandstone to be of hypogene origin. It is highly probable that the mineral concentration of V3O8; Th; Va; and Rare Earths will increase with depth.

DMEA Form 7
(12-56)

Box-66

OFFICIAL FILE COPY

Date	Surname	Code
		900
		225

FEB 28 1957

Mr. Ernest E. Thurlow, Manager
Denver Area Office AEC
P. O. Box 7647
Lakewood Branch
Denver 2, Colorado

Subject: DMEA Field Team Uranium Examination Reports

Dear Mr. Thurlow:

Enclosed are single copies of the following reports which should complete your file on reports of uranium field examinations made in DMEA Region IV to date:

1. Docket No. DMFA-3763, Ozarks Exploration Company, Inc., Camden and Laclede Counties, Missouri, September 15, 1955, by T. B. Mullens and C. C. Knox.

2. Docket No. DMFA-3866, Anisus Oil Company, Hudspeth County, Texas, August 25, 1955, by C. C. Knox and D. R. MacLaren.

3. Docket No. DMEA-4211, Lone Star Uranium Corporation, Burnet County, Texas, January 15, 1957, by R. U. King and C. C. Knox.

4. Docket No. DMEA-4304, Louis A. Sanford, Pawnee County, Oklahoma, August 14 and 22, 1956, by C. C. Knox and R. U. King, respectively.

5. Docket No. DMFA-4405, Ozarks Exploration Company, Inc., Camden and Laclede Counties, Missouri, January 29, 1957, by C. C. Knox.

In addition, the final Field Team report, with attachments, on Docket No. DMEA-2924, Uto and Knox, Pawnee County, Oklahoma, September 24, 1954, and January 12, 1955, by C. C. Knox and E. P. Durand, respectively, is enclosed.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

GCSelfridge/esf
2/27/57
cc to: Dockets (6)
FT, REG. IV (2)
Admr. R. File
Oper. Comm.
FDLamb, USBM
THKiilsgaard, USGS
GCSelfridge (2)

Enclosures

8623

Surname copy

Murphy
Ellis
Nelson
Gehan
Selfridge

SEP 23 1955

Mr. W. T. Moran, President
Amicus Oil Company
810 Mellie Esperson Building
Houston, Texas

Re: Docket No. DMEA-3865 (Uranium, thorium, vanadium, and rare earths)
Hot Rock Prospect No. 1
Public School and other State lands
Shackelford County, Texas

Dear Mr. Moran:

Your application for aid in an exploration project and other information available to us in Washington concerning your above-named property have been reviewed.

Projects approved by the Defense Minerals Exploration Administration must, in its judgment, show definite promise of yielding materials of acceptable grade in quantities that will significantly improve the mineral supply position for the National Defense Program.

Careful study of all our information, although noting a small amount of uranium mineralization on your property indicates to us that the probability of disclosing minable ore reserves by your proposed program is not sufficiently promising to justify government participation. We regret to advise you, under these circumstances, that your application for exploration assistance is denied.

We wish to thank you for your interest in the Defense Minerals Program and for bringing your property to our attention.

Sincerely yours,

Frank E. Johnson

ACTING Administrator

FMurphy:mm - 9/23/55
Copy to: Mr. Rittendorf
Adm. - File
Operating Committee
Docket
Mr. J. E. Crawford, Rm. 3041
Mr. T. Killingsard, Rm. 5224
Mr. J. L. Hosted, Rm. 3917, GSA
Mr. F. E. Murphy
Code 770
DMEA Field Team (2)

Docket Murphy Ellis Nelson

September 22, 1955

Summary of Proposed Project

Subject: Denial of application for an exploration project.

Docket No.: DMEA-3865

Commodity: Uranium, thorium, vanadium, and rare earths

Applicant: Amicus Oil Company
840 Mellie Esperson Building
Houston, Texas

Property: Sections 12 and 13, Block 10, Public School Lands, Hudspeth County, Texas

Date of Application: June 10, 1955

Amount of Application: $37,952.50

Work Proposed and Estimated Costs:

169 core holes - average depth - 50 feet 8,450 ft. @ $3.25/ft.	$27,462.50
Access roads	1,140.00
Labor, Supervision & Consultants	8,100.00
Probing holes	500.00
Bunk House & Tool House	750.00
Total Estimated Costs	$37,952.50

Field Team Report: August 25, 1955 - (Excerpts)

Rocks in the subject area are Precambrian red granite and the unconformably overlying Bliss sandstone of lower Ordovician age. The sandstone strikes northwesterly and, near the granite contact, dips 5° to 10° N.E. It is about 200 feet thick.

Radioactive anomlies reported by the applicant are in the vicinity of the granite-sandstone contact and for the most part are low. The DMEA examiners endeavored to check the radiometric readings of the applicant, but could detect radioactivity appreciably above backgroonnd at only two places about 240 feet apart.

Because of the small size of the significantly radioactive areas and because of the low uranium, thorium, and rare earth content of samples taken within those areas, it is concluded that the chance of making a significant discovery is poor.

It is recommended that this application be denied.

Commodity Committee Members' Comments:

U. S. Geological Survey - W. P. Williams - September 2, 1955

Concurs with Field Team in recommending denial.

U. S. Bureau of Mines - James Paone for J. E. Crawford - September 16, 1955

Concurs with Field Team in recommending denial

Rare and Misc. Metals Division - F. M. Murphy - September 21, 1955

Judging from the Field Team's report, the proposed supervisor of the project and the consulting personnel are long on geological theory but short on mining experience, this was indicated by the proposed work and cost estimates submitted in the application.

The Field Team report indicates that there is meager radioactivity and no geologic target area on the property, therefore, this Division concurs in the recommendation that the application be denied.

Ernest Wm. Ellis

Ernest Wm. Ellis, Chief
Rare and Miscellaneous
Metals Division

9/20/55-gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

September 16, 1955

Memorandum

RECEIVED
SEP 20 1955

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3865, Amicus Oil Co., Hot Rock No. 1 prospect, Hudspeth County, Texas

I have reviewed the Field Team report of examination, Amicus Oil Co., DMEA Docket 3865; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners investigated the Amicus Oil Co. property in Hudspeth County, Texas on August 16, 1955. The examiners conclude that the probability of making a significant discovery on subject property is poor due to the small size of the radioactive area and the low uranium content of the material within that area.

We concur in the recommendation of the Field Team that the application be denied.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

James Paone
for John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
SEP 20 1955

September 16, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3865, Amicus Oil Co., Hot Rock No. 1 prospect, Hudspeth County, Texas

I have reviewed the Field Team report of examination, Amicus Oil Co., DMEA Docket 3865; and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners investigated the Amicus Oil Co. property in Hudspeth County, Texas on August 16, 1955. The examiners conclude that the probability of making a significant discovery on subject property is poor due to the small size of the radioactive area and the low uranium content of the material within that area.

We concur in the recommendation of the Field Team that the application be denied.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

RECEIVED
SEP 2 2 1955

September 16, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Report of Examination, DMEA Docket 3865, Amicus Oil Co., Hot Rock No. 1 prospect, Hudspeth County, Texas

I have reviewed the Field Team report of examination, Amicus Oil Co., DMEA Docket 3865; and I have discussed it with Joseph C. Hosted, Washington representative of the Atomic Energy Commission.

The field examiners investigated the Amicus Oil Co. property in Hudspeth County, Texas on August 16, 1955. The examiners conclude that the probability of making a significant discovery on subject property is poor due to the small size of the radioactive area and the low uranium content of the material within that area.

We concur in the recommendation of the Field Team that the application be denied.

The report is being forwarded to the Chief, Division of Minerals, in accordance with the routing slip attached thereto.

John E. Crawford

9/6/55 gla

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
SEP - 2 1955

September 2, 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3865, Amicus Oil Co., Hot Rock No. 1 prospect, Hudspeth County, Texas.

After field examination and inquiry of members of the Atomic Energy Commission the examining team recommends denial of the application.

From the description of geologic conditions and the low intensity of radioactivity on the property it appears that the chances of finding a commercial uranium deposit are poor. I concur with the recommendation that the application be denied.

WPWilliams

W. P. Williams

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
SEP - 2 1955

September 2, 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3865, Amicus Oil Co., Hot Rock No. 1 prospect, Bailey County, Texas.

After field examination and inquiry of members of the Atomic Energy Commission the examining team recommends denial of the application.

From the description of geologic conditions and the low intensity of radioactivity on the property it appears that the chances of finding a commercial uranium deposit are poor. I concur with the recommendation that the application be denied.

WPW

W. P. Williams

WPWilliams:iml
G-9/2/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
SEP 2 1955

September 2, 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3865, Anicua Oil Co., Hot Rock No. 1 prospect, Budapeth County, Texas.

After field examination and inquiry of members of the Atomic Energy Commission the examining team recommends denial of the application.

From the description of geologic conditions and the low intensity of radioactivity on the property it appears that the chances of finding a commercial uranium deposit are poor. I concur with the recommendation that the application be denied.

WPW

W. P. Williams

WPWilliams:iml
G-9/2/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Rested, 3210

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
SEP - 2 1955

September 2, 1955

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: W. P. Williams, U. S. Geological Survey

Subject: Review of Field Examination Report, DMEA Docket No. 3865, Amerada Oil Co., Hot Rock No. 1 prospect, Bridgeath County, Texas.

After field examination and inquiry of members of the Atomic Energy Commission the examining team recommends denial of the application.

From the description of geologic conditions and the low intensity of radioactivity on the property it appears that the chances of finding a commercial uranium deposit are poor. I concur with the recommendation that the application be denied.

WPW

W. P. Williams

WPWilliams:iml
G-9/2/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Kested, 3210

9/6/55 glm

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~

RECEIVED
AUG 29 1955

P. O. Box #431
Joplin, Missouri

August 25, 1955

Memorandum

To: DMEA Operating Committee, Interior Bldg., Wash. 25 D. C.

From: Clinton Knox, Region IV Field Team Executive, Joplin, Mo.

Subject: Field Team Examination Report
Application Docket DMEA-3865 (uranium etc.)
Amicus Oil Co., 840 Mellie Esperson Bldg., Houston 2, Tex.
$37,952 exploration project proposal on
Hot Rock No. 1 prospect, Hudspeth County, Texas

The subject prospect was examined on August 16 by the Field Team comprised of Donald MacLaren, representing the Geological Survey (Denver Office), and myself, representing the Bureau of Mines, accompanied by Mr. Francis K. Campbell, the Applicant's representative.

Sections 12 and 13, Block 10, Public School Lands of the State of Texas, were presented in the application. The Applicant holds Permits to Prospect on those two sections as well as several other areas in Hudspeth County. This application proposes an exploration project on a 3-acre area of the contact between the Bliss sandstone and the underlying granitic basement rocks, about 1/4 mile east on the line between sections 12 and 13. That area is 1-1/2 miles east of the large No. 5 pumping station of the El Paso Natural Gas Co., reached by traveling U. S. Highway 180 east 26 miles from El Paso and thence 12 miles southeasterly on a graded desert road skirting the southwestern flank of the Hueco mountain.

Summary, conclusions, and recommendations:

The outcrop of the contact is exposed across the area by shallow bulldozer work in the prospect trenches and along the new access road. The original discovery trench, designated as Hot Rock No. 1 on the Applicant's Isorad map, was filled in somewhat by a recent flood but the contact exposures, including that about 300 feet southeast where the most favorable-appearing samples reportedly had been taken, obviously do not indicate any probability for making a significant discovery.

Reviewed by
DMEA OPERATING COMMITTEE
9-2-55
(date)

The Applicant's proposed great number of core drill holes, drilling depths to as much as 100 feet, close grid pattern of drill hole sites (never allowable on DMEA projects), 56 hours of additional bulldozing (without any justification evidenced), and cost estimates for engineering supervision, consulting services, and sustenance, all appeared unrealistic.

I gained the impression that neither the Applicant nor supervisor and consulting personnel designed to carry out the proposed project work, have the necessary mining exploration experience and background. I believe Mr. Campbell has been a successful oil field operator and has done considerable uranium prospecting in the past two years, both with the various conventional methods and by using new jeep-mounted electronic devices which he developed and recently presented for patent after a great deal of research, ingenuity, and expense. However, he did not claim to have had any mining experience.

Therefore, I concur with MacLaren's recommendation in his geologic exmaination report appended hereto, that this application should be denied.

Other contemplated applications:

When informed by Mr. Campbell that preparation of a second application was nearing completion in the Houston Office of the Amicus Oil Co., the Field Team accompanied him in the late afternoon of August 16 on an examination of that property, known as the company's Hot Rock No. 2 claims. They are about 80 miles southeast of El Paso, lying north of U. S. Highway 80, near Sierra Blanca, or about five miles northwest of the town of Sierra Blanca. Only a very little prospecting had been done there on a steep-dipping sedimentary bed appearing to be black limestone. In attempting to verify the Isorad map prepared by Mr. Campbell along that "black" outcrop, no appreciable radioactivity was detected by the Field Team and on the basis if present indications there no exploration appeared to be justifiable.

I spent the forenoon of August 17 in El Paso discussing with Mr. Campbell the various aspects of both the Applicant's Hot Rock prospects No. 1 and 2, and offered suggestions on ways to obtain and present data most effectively in DMEA applications on those, and contemplated on some other prospects of that company, so that they might stand the best chance for approval based on proper engineering and geologic justifications.

Clinton C. Knox

Clinton C. Knox

CCK/vks
MacLaren Report appended
cc: DMEA Op. Com (3)
MacLaren
3865 file

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 24 1955

Docket 3865

RECEIVED
AUG 29 1955
BUREAU OF MINES
JOPLIN, MO.

GEOLOGY

The geology of the Hueco Mountains is briefly described in Sheet 1, Oil and Gas Investigation Preliminary Map 36 by P. B. King (1945).

Rocks in the area in which it is proposed to explore are Precambrian red granite and the unconformably overlying Bliss sandstone of Lower Ordovician age. The granite is medium-grained in texture, dull reddish brown in color, and is composed essentially of quartz and feldspar. The Bliss sandstone is medium- to coarse-grained with a conglomeratic zone at the base. The sandstone strikes northwesterly and, near the granite contact, dips 5° to 10° NE. It is about 200 feet thick.

Radioactive anomalies reported by the applicant are in the vicinity of the granite-sandstone contact and for the most part are low. Of 729 readings made by the applicant 676 are less than 0.2 MR/hr. Only 11 readings are more than 0.5 MR/hr. and all but one of these are in granite outcrops. The examiners endeavored to check the radiometric readings of the applicant, but could detect radioactivity appreciably above background at only two places about 240 feet apart. At one place in the sandstone, just above the granite contact, radiation was recorded at the rate of 0.14 MR/hr., while at the other place in the granite it was at the rate of 0.19 MR/hr. In the sandstone radioactivity appeared to be limited to very thin streaks of fine-grained sand within the bedded formation. In the granite, the radioactive zone was about 4 feet long and 3 inches thick, the thickness tapering at the ends of the zone.

Reviewed by
DMEA OPERATING COMMITTEE
9-2-55
(date)

A routine mineralogical examination of specimens taken at each place was made by J. W. Adams of the U. S. Geological Survey. In addition to quartz and feldspar, he found tourmaline, zircon, and a yellow earthy mineral. In the visual arc spectroscope the aggregate shows zirconium and titanium lines and yttrium bands. Assay returns submitted with the application indicated the presence in small amounts of uranium, thorium, and undifferentiated rare earths. The earthy yellow mineral appears to contain most of the uranium, while the thorium, yttrium, and some of the uranium are probably contained in the zircon.

CONCLUSIONS AND RECOMMENDATIONS

Because of the small size of the significantly radioactive areas and because of the low uranium, thorium, and rare earth content of the material within those areas, it is concluded that the chance of making a significant discovery is poor.

It is recommended that this application be denied.

E. P. Beroni and Robert Russell of the Atomic Energy Commission who are familiar with this area were consulted and agree with these conclusions and recommendations.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
Defense Minerals Exploration Administration
Building 25, Denver Federal Center
Denver, Colorado

August 23, 1955

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 24 1955
BUREAU OF MINES
JOPLIN, MO.

Memorandum

To: Clinton C. Knox
Executive Officer, DMEA Region IV

From: D. R. MacLaren

Subject: DMEA Docket 3865, Amicus Oil Company, Hot Rock Prospect No. 1, Hudspeth County, Texas

Enclosed are the original and four copies of a geologic report on the subject application. As the area of proposed exploration is so small, I did not prepare a sketch which would only show the trace of one contact and two strike and dip shots. If you would prefer to include such a sketch, I will be glad to prepare one.

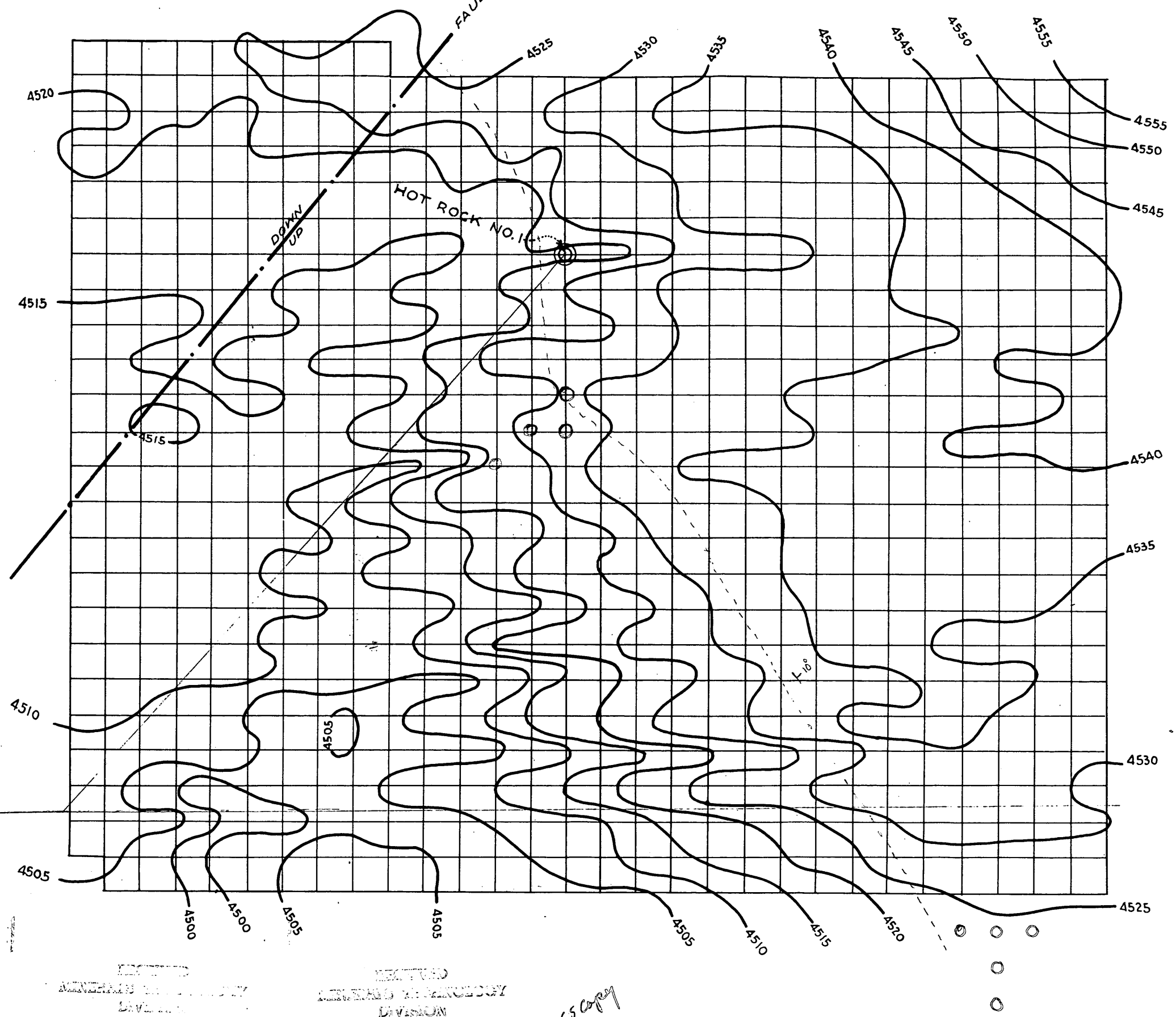
Regards.

D. R. MacLaren

DRMacLaren:arh

P. S. Also enclosed are the three supplementary maps which you forwarded to us.

2 X-ha [illegible] DMEA Op. Com. 8-24-55
CCK.



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MINERALS MANAGEMENT SERVICE
DAVENPORT
AUG 2 1985
BUREAU OF MINES
JOPLIN, MO.

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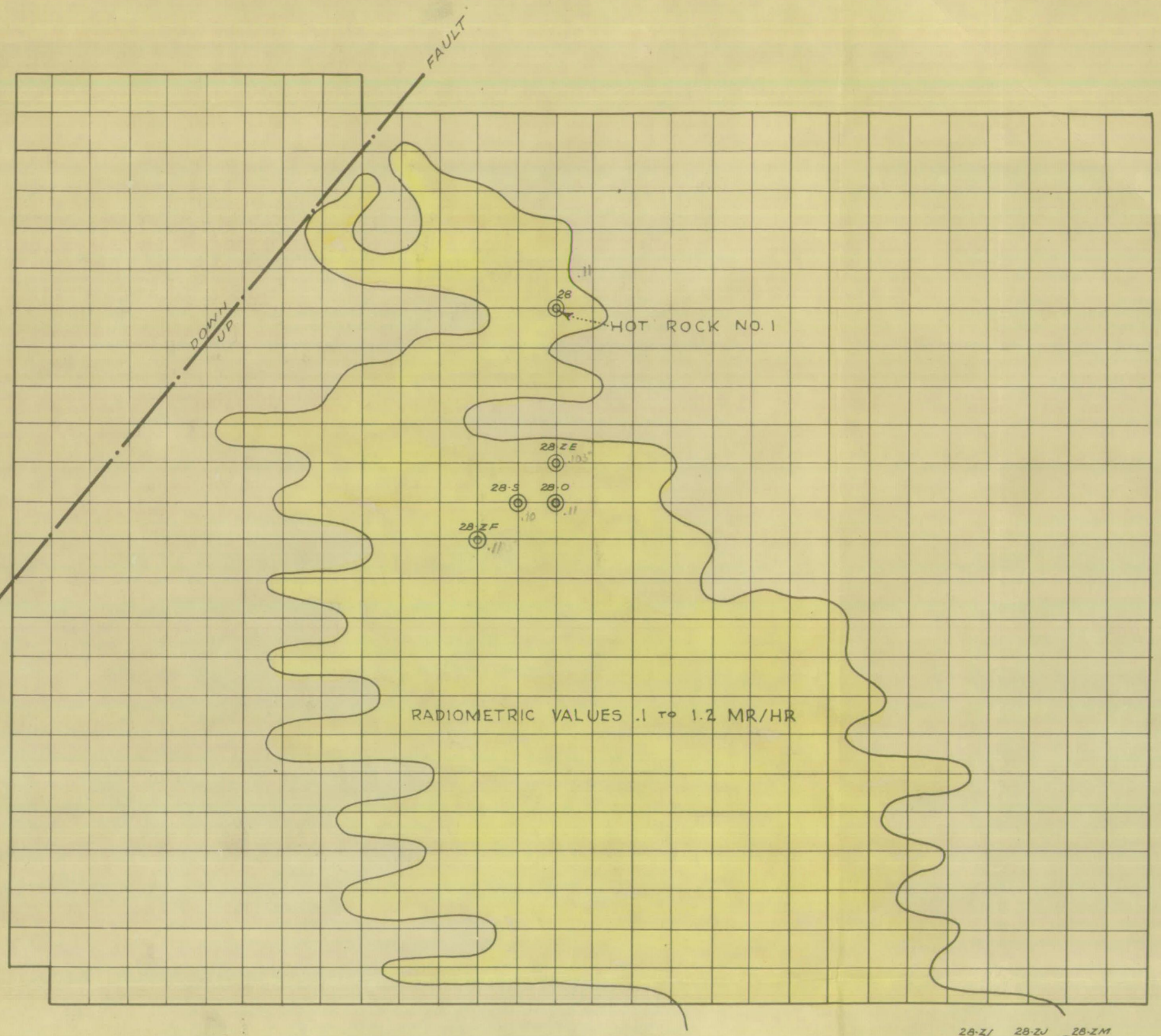
MINERALS MANAGEMENT SERVICE
DIVISION
AUG 2 1985
BUREAU OF MINES
JOPLIN, MO.

USGS copy
Topog
@ c.i.

AMICUS OIL CO.
TOPOGRAPHIC MAP
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
CONTOUR INTERVAL = 5'
GRID PATTERN = 13' x 13'

F.X. Boslick 7-55



28-ZI .20 28-ZJ .10 28-ZM .18

28-ZK .14

28-ZO & 28-ZP .31 .42

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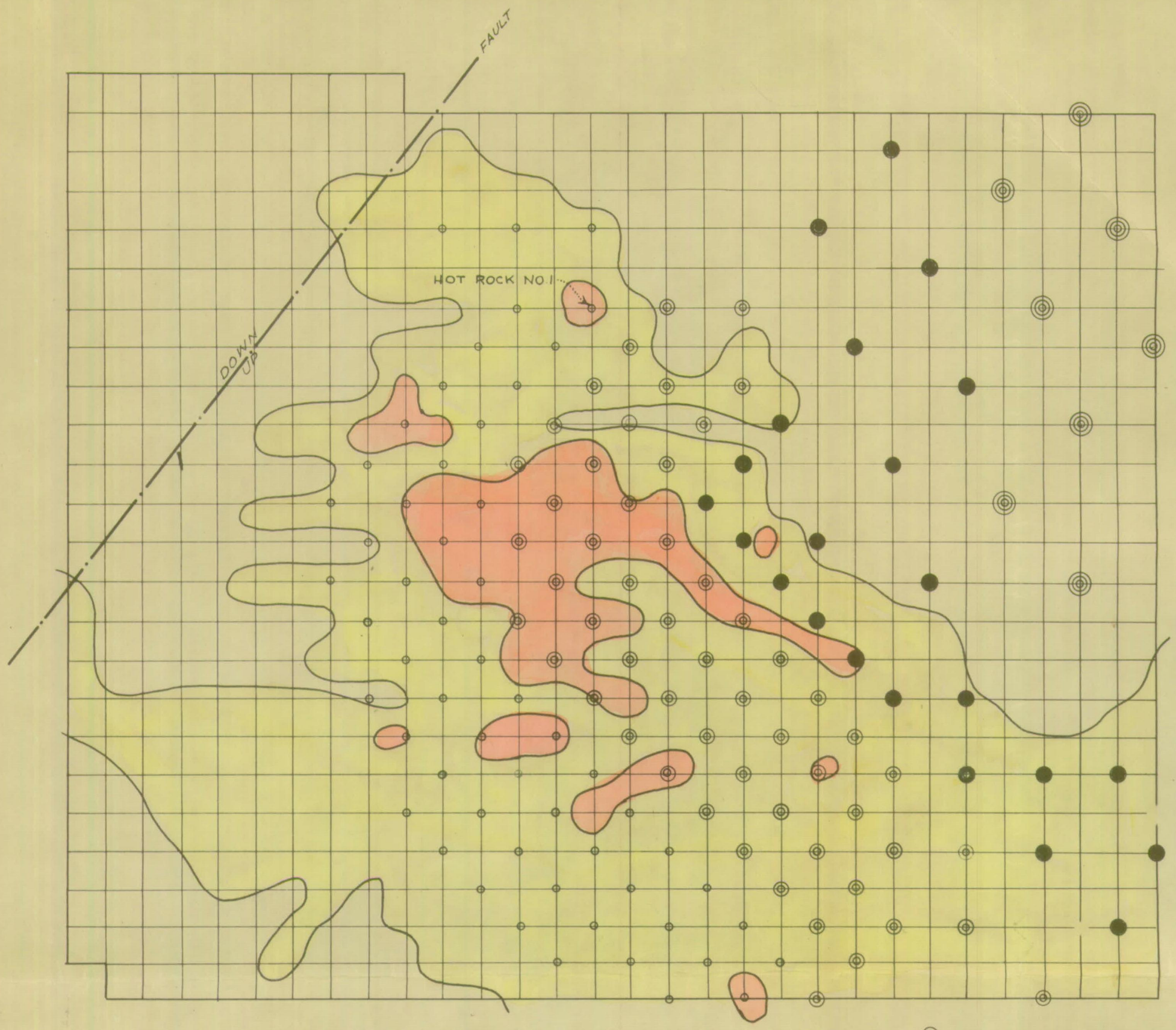
MINERALS TECHNOLOGY
DIVISION
AUG 2 1955
BUREAU OF MINES
JOPLIN, MO.

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 24 1955
BUREAU OF MINES
JOPLIN, MO.

USGS copy
Sample locations
only.

AMICUS OIL CO.
LOCATON OF ASSAYED SAMPLES
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS
SCALE 1" = 30'
GRID PATTERN = 13' x 13'

F.X. Bostick 7-55



RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 24 1955
BUREAU OF MINES
JOPLIN, MO.

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 2 1955
BUREAU OF MINES
JOPLIN, MO.

LEGEND

.05 to .10 (.20) MR/HR

.10 to 1.20 (.20) MR/HR

Proposed drill hole sites & depths/C.C.K.

USGS copy

o -- 25' Core Tests

◎ -- 50' " "

● -- 100' " "

◎ -- 150' " "

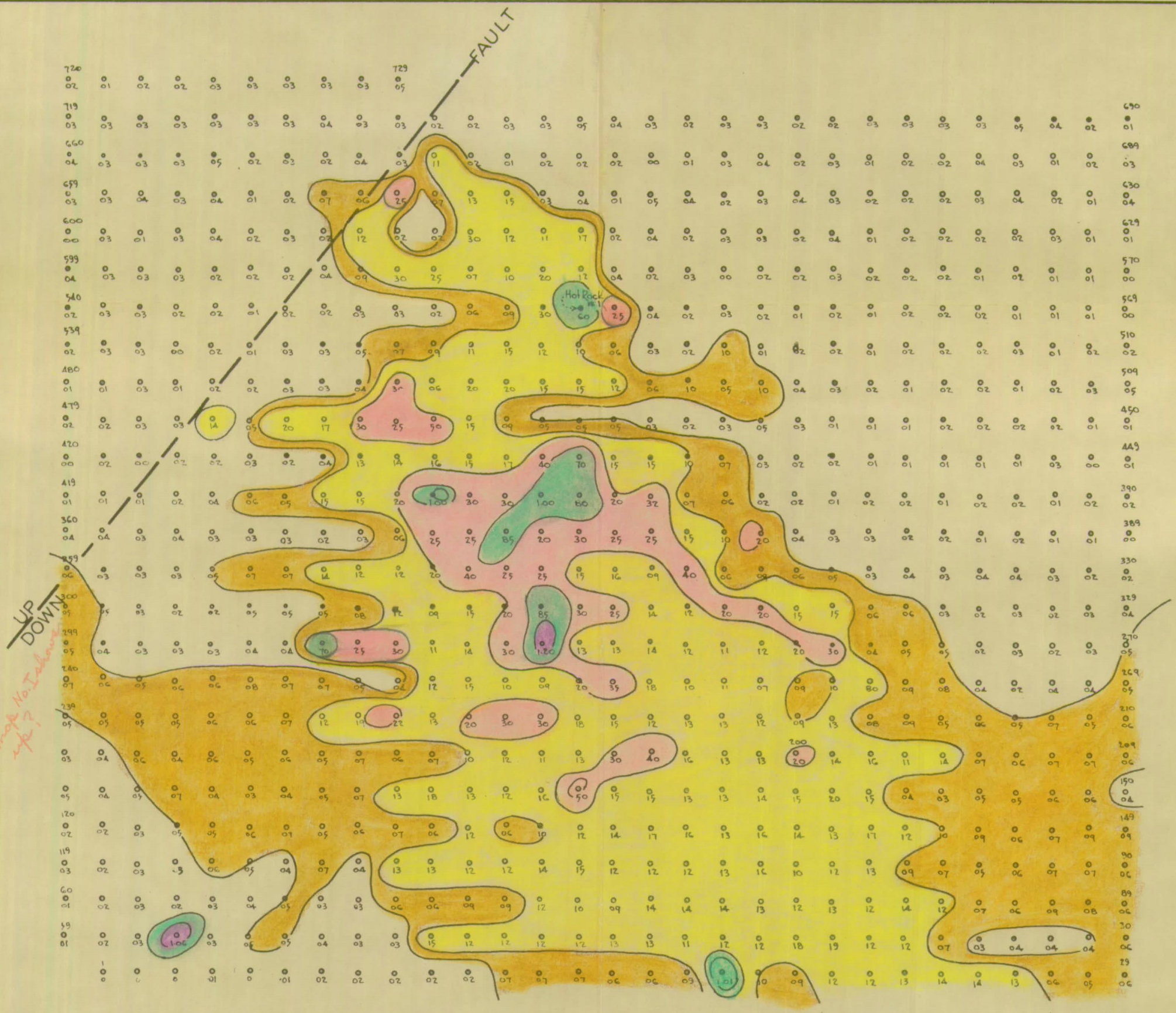
AMICUS OIL CO.
PROPOSED CORE TESTS
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
GRID PATTERN: 13' X 13'

F.X. Bostick 7-55

RECEIVED
AUG 2 6 1955

RECEIVED
AUG 2 6 1955



LEGEND

- 0 to .05 MR/Hr.
- .05 to .10 MR/Hr
- .10 to .20 MR/Hr
- .20 to .50 M.R/Hr
- .50 to 1.00 M.R/Hr
- Over 1.00 MR/Hr

(AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas)

AMACUS OIL CO.

ISORAD MAP

HOT ROCK PROSPECT NO.1

HUDSPETH COUNTY TEXAS

SCALE 1" = 40'

Grid scale - 13' x 13'

F.X. Bostick 6-'55

MAP NO. II

RECEIVED
JUN 23 1955

RECEIVED
JUN 22 1955

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

~~WASHINGTON 25, D.C.~~

RECEIVED
AUG 10 1955

P. O. Box #431
Joplin, Missouri

August 8, 1955

Mr. Donald R. MacLaren
U. S. Geological Survey (DMEA)
Building 25, Denver Federal Center
Denver, Colorado

Re: DMEA 3865 (uranium, etc.)
Amicus Oil Co.
Hot Rock Prospect No. 1
Hudspeth County, Texas

Dear Don:

Upon receiving your August 5 letter, I too made plans to fly to El Paso Monday August 15, leaving here on an 11:00 A.M. plane scheduled to arrive there at 4:35 P.M. I plan to meet you at the Paso del Norte hotel you mentioned.

Mr. Francis K. Campbell, the Applicant's Geologist, called from Houston this morning to affirm my guess as correct on the scale of the three maps sent you last week, and said he also would come to El Paso next Monday night, would contact us, and show us to the subject prospect the next morning.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com. (2) ✓
3865 file

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~

RECEIVED
AUG 10 1955

P. O. Box #431
Joplin, Missouri

August 8, 1955

Mr. Donald R. MacLaren
U. S. Geological Survey (DMEA)
Building 25, Denver Federal Center
Denver, Colorado

Re: DMEA 3865 (uranium, etc.)
Amicus Oil Co.
Hot Rock Prospect No. 1
Hudspeth County, Texas

Dear Don:

Upon receiving your August 5 letter, I too made plans to fly to El Paso Monday August 15, leaving here on an 11:00 A.M. plane scheduled to arrive there at 4:35 P.M. I plan to meet you at the Paso del Norte hotel you mentioned.

Mr. Francis K. Campbell, the Applicant's Geologist, called from Houston this morning to affirm my guess as correct on the scale of the three maps sent you last week, and said he also would come to El Paso next Monday night, would contact us, and show us to the subject prospect the next morning.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Op. Com. (2) ✓
3865 file

C[illegible] - DMEA Operating Com.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
~~WASHINGTON 25, D.C.~~

P. O. Box #431
Joplin, Missouri

RECEIVED
AUG - 5 1955

August 2, 1955

Airmail

Mr. E. N. Harshman
U. S. Geological Survey
Denver Federal Center, Bldg. 25
Denver, Colorado

Re: DMEA 3865 (U, Th, Va, and rare earths)
Amicus Oil Company
Hot Rock Prospect No. 1
Hudspeth County, Texas

Dear Mr. Harshman:

Enclosed herewith is a copy of the reply from the cited applicant's representative to my July 25 letter, and prints of three maps received to show information requested in accordance with your suggestions in the July 18 phone call to me.

You will note that these three maps, despite the stated 1"=30' scale, obviously are intended to be on a scale of 1"=40' as was the Isorad Map with the application, otherwise the 13'x13' grid would not fit.

I doubt that speculation on the relationship between the reported radiometric anomalies and the granite and sandstone contact will be helpful until they are checked and the contact is definitely mapped. The applicant makes no firm proposal for further radiation surveys and bulldozer trenching. I expect to learn, however, that the first few of the proposed core drill holes should be located to obtain preliminary stratigraphic, structural, and sampling data where radiometric "highs" are indicated near the contact.

If you believe this information, with that your office and Chas. Fowler's of the A.E.C. in Denver may have had on file, now warrants a field examination of this applicant's property I will be glad to arrange meeting with your geologist in El Paso about next week as you tentatively suggested on the phone, or anytime most convenient to him. I would, however, appreciate a few days advance notice. Also in a July 26 telegram from Houston, the Applicant's Geologist, Mr. Francis K. Campbell, requested me to notify him in advance of the date to meet us at the property.

I regret having to impose on your office again but the infrequent need for geologic consultations in this region does not appear to justify a two-man Field Team here.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Enclosures (6)

cc: DMEA Op. Com. (2) w/6 encl.
Mr. Westheimer, c/o Amicus Oil Co.
3865 file

COPY - DMEA Operating Com.

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
[redacted]

RECEIVED
AUG - 5 1955

P. O. Box #431
Joplin, Missouri

August 2, 1955

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Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

Enclosures (6)

cc: DMEA Op. Com. (2) w/6 encl.
Mr. Westheimer, c/o Amicus Oil Co.
3865 file

C
O
P
Y

LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BUILDING
HOUSTON 2, TEX

RECEIVED
AUG - 5 1955

August 1, 1955

Mr. Clinton C. Knox
Executive Officer, DMEA Field Team
Region IV
P. O. Box 431
Joplin, Missouri

IN RE: DMEA-3865 (uranium, etc.)
Hot Rock Prospect No. 1
Sec. 12, Blk. 10, P.S.I.
Hudspeth County, Texas

Dear Mr. Knox:

Your letter of July 25th, addressed to Mr. W. T. Moran of Amicus Oil Company, is in our office for reply, and in connection therewith we advise you as follows, using the same numbers as used in your letter:

1. Evidence that Amicus Oil Company has possession or the right to acquire possession of the land.

In our original application, we furnished you with certain photostatic copies of permits issued by the State of Texas to H. C. Aiken, and the assignment of these permits to Amicus Oil Company. The land in question is unsold land belonging to the State of Texas. The permits in question were issued under Section 12 of Article 5421c of the Revised Statutes of the State of Texas, a copy of this section being herewith enclosed, from which you can see the rights which Amicus Oil Company has under the permits. In addition, permits issued under the laws of Texas are now entitled to the benefits of a law enacted by the last Legislature of the State of Texas, a copy of which is also enclosed herewith. These two statutes evidence the right of Amicus Oil Company to acquire possession of the land under leases which will run for the period of five years and as long thereafter as uranium, or other minerals are produced in paying quantities.

2. Performance bond in lieu of owners consent to lien.

One hundred per cent of the stock of Amicus Oil Company is owned by W. T. Moran, Gen. Maurice Hirsch and the writer. I am sure that these individuals would be willing to sign a performance bond. As to W. T. Moran, Mr. Moran is President of Moran Gas Company, President of Moran Oil Company, President of the Moran Corporation and Vice President of Woodley Petroleum Company. As to his financial worth, I would refer you to the Second National Bank of Houston, Texas.

As to Gen. Maurice Hirsch, he is the Senior Partner of this law firm, Vice-President of the Wald Transfer & Storage Company, Vice-President of the Falstaff Distributing Company, and past Chairman of the War Dept. Price and Adjustment Board. As to his financial worth, I would refer you to either the City National Bank of Houston, Texas, of the Houston National Bank of this city.

As to the writer, I am the Junior Partner in this law firm, Secretary of Falstaff Distributing Corporation, and as to financial worth, I refer you to either the City National Bank or the Houston National Bank of this city.

3 and 4. The data required in these items has been prepared by Mr. Francis Bostic, our consulting geologist, and I am enclosing same herewith.

I trust the enclosures herewith contained and the additional information given will be sufficient to enable your office to process the application.

Sincerely yours,

/s/ I. Mark Westheimer

VOL. 15 - VERNON'S CIVIL STATUTES OF THE STATE OF TEXAS, ARTICLE 5421c - Section 12:

"Prospecting Land"

RECEIVED
AUG - 5 1955

"Sec. 12. Any person or corporation desiring to prospect a tract of land belonging to the State for gold, silver, platinum, cinnabar, and other metallic ores and precious stones may file an application with the Commissioner of the General Land Office designating the area to be prospected, which must be accompanied by a rental payment of Ten (10) Cents per acre, and such applicant shall have a period of one year from date of filing such application within which to prospect the area designated. Within the period of said year he may file an application to lease the area designated for the purpose of mining gold, silver, platinum, cinnabar and other metallic ores and precious stones and remit Fifty (50) cents an acre as first annual payment of rental on the lease and continue to make such payments from year to year for a period of five (5) years, unless some of the minerals mentioned herein shall be discovered sooner in paying quantities. On discovery of any such minerals, the payments of such rental shall cease. On the 20th day of each month the owner of the mine or mines shall pay the royalty due the State, which shall be one-sixteenth (1/16) of the value of the minerals sold or moved off the premises. Such payments shall be remitted to the Commissioner of the General Land Office and credited to the account of the Permanent School Fund. The leases shall be drawn and the mines operated in accordance with regulations prescribed by the Governor, Attorney General, and Commissioner of the General Land Office. Acts 1931, 42nd Leg., p. 452, ch. 271, as amended Acts 1941, 47th Leg. p. 596, ch. 365 § 1; Acts 1943, 48th Leg., p. 453, ch. 301, §1."

IMW:p
8/1/55

RECEIVED
MINERALS TECHNOLOGY
DIVISION

AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

VOL. 15 - VERNON'S CIVIL STATUTES OF THE STATE OF TEXAS, ARTICLE 5421c - Section 12

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AUG - 5 1955

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IMW:p
8/1/55

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MINERALS TECHNOLOGY
DIVISION

AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

1955 Vernon's Texas Session Law Service, 54th Legislature, Regular Session,
Laws 1955 June 2 - June 25, 1955 - Pages 1243-1244

STATE LAND - PROSPECTING PERMITS - LEASES CHAPTER 497 H. B. NO. 508

"Section 1. Any tract of land belonging to the State, including all islands, salt and fresh water lakes, bays, inlets, marshes and reefs, owned by the State within tidewater limits and that portion of the Gulf of Mexico within the jurisdiction of Texas, and all unsold public free school land, both surveyed and unsurveyed, and all rivers and channels, shall be subject to prospect for uranium, thorium or other fissionable materials, or for gold, silver, platinum, cinnabar and other metallic ores and precious stones by any person, firm or corporation desiring to prospect same, by the filing of an application with the Commissioner of the General Land Office designating the area to be prospected. Such application must be accompanied by a rental payment of Ten Cents (10¢) per acre.

RECEIVED
AUG - 5 1955

"Section 2. Permits shall be issued by the Commissioner of the General Land Office giving to the first applicant a period of one (1) year from the date of filing his application within which to prospect the area designated. Within the period of said year the permittee or his assignee may file an application to lease the area covered by the Permit for the purpose of mining or producing the uranium, thorium or other fissionable materials, or gold, silver, platinum, cinnabar and other metallic ores and precious stones, which application shall be accompanied by the first rental payment of Two Dollars ($2) per acre. The annual rental payments thereafter during the primary term shall be One Dollar ($1) per acre, which shall be payable unless production in paying quantities is being obtained and royalty being paid the State thereon.

"Section 3. The leases shall be issued by the Commissioner of the General Land Office in accordance with the provisions of this Act and shall be for a primary term of five (5) years and as long thereafter as uranium, thorium or other fissionable materials, metallic ores or precious stones are produced in paying quantities. The royalty shall be one-sixteenth (1/16) of the value of the metallic ores and precious stones and one-sixth (1/6) → 16⅔% - wow! of the value of uranium, thorium or other fissionable materials. The Commissioner may include in such leases such other provisions as he may deem necessary for the protection of the interests of the State.

"Section 4. All rental and royalty payments shall be paid to the Commissioner of the General Land Office at Austin, Texas. All such payments shall be credited to the account of the Permanent School Fund.

"Section 5. Permits shall not be assignable. All leases may be assigned in quantities of not less than forty (40) acres unless there be less than forty (40) acres remaining out of the tract originally leased in which case such lesser area may be assigned. Such assignments shall be recorded in the county in which the land is located and a certified copy thereof, certified by the county clerk from his records, forwarded to the General Land Office within ninety (90) days from the date of recordation, accompanied by a One Dollar ($1) filing fee for each tract affected.

RECEIVED
MINERALS TECHNOLOGY
DIVISION

AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

"Section 6. Nothing herein shall apply to, alter, or affect any rights presently existing on the effective date of this Act under a valid permit issued by the Commissioner of the General Land Office under the provisions of Chapter 271, Acts, Forty-second Legislature, 1931, as amended by Section 1, Chapter 365, Acts, Forty-seventh Legislature, 1941, as amended by Section 1, Chapter 301, Acts, Forty-eighth Legislature, 1943, codified as Section 12, Article 5421c, Vernon's Civil Statutes; provided however, that should the owner of a valid outstanding permit on the effective date of this Act desire that his lease provide for a term to continue as long as production is secured in paying quantities, he shall pay the rental and royalty specified in this Act.

Section 7. In the event any section or part of section or provision of this Act be held invalid, unconstitutional or inoperative, this shall not affect the validity of the remaining sections or parts of sections of this Act, but the remainder of the Act shall be given effect as if said invalid, unconstitutional or inoperative section or any part of section or provisions had not been included.

"Section 8. All laws or parts of laws in conflict with the provisions of this Act are hereby repealed.

"Section 9. The fact that there is considerable interest in the minerals on State land and further fact that the present law is inadequate and does not provide for maximum benefits to the State, creates an emergency and an imperative public necessity that the Constitutional Rule requiring bills to be read on three several days in each House be suspended, and said Rule is hereby suspended, and that this Act shall take effect and be in force from and after its passage, and it is so enacted.

"Passed by the House, April 29, 1955: Yeas 137, Nays 1; passed by the Senate, May 25, 1955: Yeas 29, Nays 0.
Approved June 22, 1955
Effective June 22, 1955."

1955 Vernon's Texas Session Law Service, 54th Legislature, Regular Session,
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RECEIVED
MINERALS MANAGEMENT
DIVISION

AUG 2 1955

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JOPLIN, MO.

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DMEA Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

RECEIVED
JUL 28 1955

P. O. Box #431
Joplin, Missouri

July 25, 1955

Airmail

Mr. W. T. Moran, President
Amicus Oil Co.
840 Mellie Esperson Bldg.
Houston, Texas

Re: DMEA-3865 (uranium, etc.)
Hot Rock Prospect No. 1
Sec. 12, Blk. 10, PSL
Hudspeth County, Texas

Dear Mr. Moran:

Your above-cited application has been referred to me for investigation, recommendations, and a possible Field Team examination. The Denver Offices of the Geological Survey and the Atomic Energy Commission have been contacted for pertinent information.

A geologist would not be available to accompany me on a field examination of your property until possibly the second week in August. In order to justify that tentatively arranged Field Team examination, however, it will be necessary to receive the following information from you beforehand:

1. Evidence that Amicus Oil Co. has possession or the right to acquire possession of the land for a 10-year term if your proposed exploration contract were to be granted.

2. Since the subject property is land of the State of Texas, what sort of performance bond equal in value to the Government's share in the proposed project costs, or quaranty by a third financially responsible party could Amicus Oil Co. furnish in lieu of an owner's consent to lien?

3. A map showing the topography of the area covered by Isorad Map of your application and indicating thereon the locations where the reported 11 samples of Bliss sandstone were taken. Also I suggest that you should indicate on this topographic map the tentative locations of your proposed exploratory core drill holes, bulldozer trenching, and radiation surveys.

4. Also it will be necessary for you to present the full details of your proposed project plan with anticipated depths to be reached by the exploratory work in the different parts of the area.

I trust that you already have all the foregoing information at hand with which to complete this application so that it can be processed properly as quickly as possible.

Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Operating Com (2)
Harshman, USGS, Denver
3865 file

COPY - DMEA Operating Committee

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

P. O. Box #431
Joplin, Missouri

RECEIVED
JUL 28 1955

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Sincerely yours,

Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV

CCK/vks

cc: DMEA Operating Com (2)
Harshman, USGS, Denver
3865 file

Surname 700

Murphy
Ching
Kulsgaard
Gehon
Selfridge
Fleman

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

JUL 11 1955

Mr. W. T. Moran, President
Amicus Oil Company
840 Nellie Esperson Building
Houston, Texas

Re: Docket No. DMEA-3865 (Uranium, thorium, vanadium, and rare earths)
Hot Rock Prospect No. 1
Public School and other State lands
Hudspeth County, Texas

Dear Mr. Moran:

The application for assistance in exploring the subject property in Hudspeth County, Texas, under the captioned docket number, has been reviewed by the Rare and Miscellaneous Metals Division of the Defense Minerals Exploration Administration. It has been referred for a field examination to the Executive Officer of Region IV at the following address:

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

The Regional Office will contact you in regard to your project if additional information is required.

Sincerely yours,

C. O. Mittendorf (for)

Administrator

FMMurphy:am
7-6-55

Copy to:
Hirsch and Westheimer
1902-5 Niels Esperson Bldg.
Houston 2, Texas

cc to: Admr. Reading File
Docket
Code 700
Mr. Murphy
DMEA Field Team, Region IV(2)

R.C.B.

Surname 700
Murphy
Chino
Selfridge
Hyman

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
WASHINGTON 25, D. C.

Mr. Clinton C. Knox
Executive Officer
DMEA Field Team, Region IV
P. O. Box 431
Joplin, Missouri

JUL 11 1955

Re: Docket No. DMEA-3865 (Uranium, thorium, vanadium, and rare earths)
Amicus Oil Company
Hot Rock Prospect No. 1
Public School and other State lands
Hudspeth County, Texas

Dear Mr. Knox:

The subject application is referred to Region IV Field Team for investigation, a field examination, and recommendation. A copy of the application was retained by your office.

Enclosed are copies of memoranda from Mr. J. E. Crawford, dated June 24, and Mr. N. E. Nelson, dated July 5, 1955, members of the Uranium Commodity Committee.

We note that the Applicant has submitted copies of "Permit to Prospect" granted by the Commissioner, General Land Office, State of Texas. The subject land is covered by these permits.

In the event the Field Team considers an exploration contract is warranted on the subject property, the Applicant should be advised that we will require evidence that the Amicus Oil Company has possession or the right to acquire possession of the land which might benefit by such exploration for a term long enough for the purposes of the proposed contract.

Also, because the subject property is State land, in the event a contract is granted, we will require a performance bond equal to the value of the Government's share of the total cost of the project. If a bond cannot be obtained, then we will accept a written guarantee from a third financially-responsible party.

Sincerely yours,

George C. Selfridge
Chairman, Operating Committee (JB)

Enclosures

APPROVED:

/s/ Robert W. Geehan (JB)
Member, Bureau of Mines

Thor H. Kiilsgaard (JB)
Member, Geological Survey

FMMurphy:am
7-7-55
cc to: Admr. Reading File
Operating Committee
Docket
Messr. J.E.Crawford,Rm.3641
T.H.Kiilsgaard,Rm.5222
J.O.Hosted,Rm.3210,GSA

Mr. Murphy
Code 700 R.C.G.

P.S. The Geological Survey copy of this letter with attachments have been sent to Mr. E. N. Harshman, Denver, Colorado.

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
JUL - 6 1955

July 5, 1955

Re: DMEA 3865
Amicus Oil Company
Hot Rock Group
Hudspeth Co., Texas
$37,952.50 - Uranium,
Thorium, and Rare earth

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. E. Nelson, U. S. Geological Survey

Subject: Review of application.

No information concerning this discovery or of the area is at hand.

The sampling and the isorad map give evidence of mineralization by uranium which should be examined. No intimation is given as to the location of the samples, but if fairly distributed over the isorad map area, and all samples taken are listed, an encouraging uniformity is exhibited.

A field team referral is recommended.

N. E. Nelson

N. E. Nelson

IN REPLY REFER TO:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WASHINGTON 25, D. C.

RECEIVED
JUL - 6 1955

July 5, 1955

Re: DMEA 3865
Anglona Oil Company
Hot Rock Group
Hudspeth Co., Texas
$37,958.50 - Uranium,
Thorium, and Rare earth

Memorandum

To: E. W. Ellis, Defense Minerals Exploration Administration

From: N. K. Nelson, U. S. Geological Survey

Subject: Review of application.

No information concerning this discovery or of the area is at hand.

The sampling and the incred map give evidence of mineralization by uranium which should be examined. No intimation is given as to the location of the samples, but if fairly distributed over the incred map area, and all samples taken are listed, an encouraging uniformity is exhibited.

A field team referral is recommended.

N. K. Nelson

N. K. Nelson

NKNelson:iml
G-7/5/55

cc: Director's reading, 4212
Branch reading, 4212
DMEA (3)
Docket file
J. E. Crawford, 3641
J. O. Hosted, 3210

6/28/55 gla

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES
WASHINGTON 25, D. C.

June 24, 1955

Memorandum

To: Ernest William Ellis, DMEA Member
Uranium Commodity Committee, Room 4445

From: John E. Crawford, Bureau of Mines Member
Uranium Commodity Committee

Subject: Application for assistance, DMEA Docket 3865, Amicus Oil Company, 840 Mellie Esperson Building, Houston, Texas

I have reviewed the attached application for assistance, DMEA Docket 3865, and I have discussed it with Joseph O. Hosted, Washington representative of the Atomic Energy Commission.

We suggest that the application be referred to the Field Team for examination and report, and that the Field Team be requested to consult with Charles G. Towle, Jr., Atomic Energy Commission, Denver, Colorado.

J. E. Crawford
J. E. Crawford

Attachment

June 22, 1955

Memorandum

To: Executive Officer, DMEA Field Team, Region IV

From: Chief, Operation's Control and Statistics Division

Subject: Assignment of Docket Number

There is listed below the assigned docket number to an application recently received from Region IV.

DMEA-3865 Amicus Oil Co.

Robert E. Adams,
Chief, Operation's Control
and Statistics Division

June 22, 1955
Subject: DMEA-3865
Re Exploration Assistance
Amicus Oil Co.'s Hot
Rock No. One

Amicus Oil Co.
840 Mellie Esperson Bldg.
Houston, Texas

Gentlemen:

The receipt of your application dated June 10, 1955 for exploration assistance under the Defense Production Act of 1950, as amended, is hereby acknowledged.

Your application has been assigned Docket Number DMEA-3865 and referred to the Rare and Miscellaneous Metals Division.

Kindly identify all future correspondence relating to your application by this docket number.

Sincerely yours,

Robert E. Adams, Chief
Operations Control and
Statistics Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

P. O. Box #431
Joplin, Missouri

RECEIVED
JUN 2 2 1955

June 20, 1955

Operation's Control and Statistical Div.
Defense Minerals Exploration Adm.
Department of the Interior
Washington 25, D. C.

Re: Pending application of Amicus Oil Company for uranium, thorium, vanadium, and rare earth minerals exploration; secs. 12 and 13, Block 10, Public School lands, Hudspeth County, Texas

Dear Sirs:

Transmitted herewith for assignment for a docket, distribution, possible revision, comments and instructions by the Washington Office, are the original and two copies of the subject application as received by this Field Team Office June 20, 1955. The fourth copy is retained here in the pending application file.

Sincerely yours,

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer
For: C. C. Knox
Executive Officer
DMEA Field Team, Region IV

ETP/vis

Encl. (3)

cc: DMEA Op. Com (2)
Hirsch and Westheimer, Attys.
1902-5 Niels Esperson Bldg.
Houston 2, Texas
C. C. Knox
Appl. pending file

MAURICE HIRSCH
I. MARK WESTHEIMER
IRLEY A. BONNETTE
EDGAR O. BOTTLER

LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BUILDING
HOUSTON 2, TEXAS

June 18, 1955

RECEIVED
MINERALS TECHNOLOGY
DIVISION
JUN 20 1955

BUREAU OF MINES
JOPLIN, MO.
RECEIVED
JUN 22 1955

The Defense Minerals Exploration Administration
Field Officer, Region VI
P. O. Box 431
Joplin, Missouri

In re: Amicus Oil Company Hot Rock No. One, Sections 12 and 13, Block 10, Public School Lands, Hudspeth County, Texas.
(Approximately 40 miles East of El Paso, Texas)

Gentlemen:

Pursuant to DMEA Order 1 Amended, we hand you herewith, for filing, quadruplicate copies of the Application of AMICUS OIL COMPANY, 840 MELLIE ESPERSON BUILDING, HOUSTON, TEXAS, for aid in an exploration project, pursuant to the above Order. Attached to each application form are Exhibits I and II, and Exhibit A, as well as photostatic copies of original documents showing the title interest of Amicus Oil Company.

We will appreciate the consideration of this application as soon as the convenience of your office will permit.

Mr. Francis K. Campbell, who represents Amicus Oil Company in the field, will be available for consultation and to personally show the property, if you will advise us in advance of time and place.

Very truly yours,

HIRSCH AND WESTHEIMER

By [signature]

IMW:p
Certified Mail

cc: Mr. W. T. Moran, President
Amicus Oil Company
840 Mellie Esperson Bldg.
Houston, Texas

cc: Mr. Francis K. Campbell

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

RECEIVED
JUN 22 1955

P. O. Box #431
Joplin, Missouri

June 20, 1955

Operation's Control and Statistical Div.
Defense Minerals Exploration Adm.
Department of the Interior
Washington 25, D. C.

Re: Pending application of Amicus Oil Company for uranium, thorium, vanadium, and rare earth minerals exploration; secs. 12 and 13, Block 10, Public School lands, Hudspeth County, Texas

Dear Sirs:

Transmitted herewith for assignment for a docket, distribution, possible revision, comments and instructions by the Washington Office, are the original and two copies of the subject application as received by this Field Team Office June 20, 1955. The fourth copy is retained here in the pending application file.

Sincerely yours,

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer
For: C. C. Knox
Executive Officer
DMEA Field Team, Region IV

ETP/vis

Encl. (3)

cc: DMEA Op. Com (2)
Hirsch and Westheimer, Attys.
1902-5 Niels Esperson Bldg.
Houston 2, Texas
C. C. Knox
Appl. pending file

COPY - DMEA Operating Committee (2)
C. C. Knox

C
O
P
Y

RECEIVED
JUN 22 1955

Law Offices Of
Hirsch and Westheimer
1902-5 Niels Esperson Bldg.
Houston 2, Texas

June 18, 1955

The Defense Minerals Exploration Administration
Field Officer, Region VI
P. O. Box 431
Joplin, Missouri

In Re: Amicus Oil Company, Hot Rock No. One, Sections 12 and 13, Block 10, Public School Lands, Hudspeth County, Texas.
(Approx. 40 miles east of El Paso, Texas)

Gentlemen:

Pursuant to DMEA Order 1 Amended, we hand you herewith, for filing, quadruplicate copies of the Application of Amicus Oil Company, 840 Mellie Esperson Building, Houston, Texas, for aid in an exploration project, pursuant to the above order. Attached to each application form are Exhibits I and II, and Exhibit A, as well as photostatic copies of original documents showing the title interest of Amicus Oil Company.

We will appreciate the consideration of this application as soon as the convenience of your office will permit.

Mr. Francis K. Campbell, who represents Amicus Oil Company in the field, will be available for consultation and to personally show the property, if you will advise us in advance of time and place.

Very truly yours,

HIRSCH AND WESTHEIMER

By: /s/ I. Mark Westheimer

IMW;p
Certified Mail
cc: Mr. W.T. Moran, president
Amicus Oil Company
840 Mellie Esperson Bldg.
Houston, Texas

Mr. Francis K. Campbell

(Received Registered Mail #303350 - 6/20/1955)

UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION
[redacted]

RECEIVED
JUN 22 1955

P. O. Box #431
Joplin, Missouri

June 20, 1955

Operation's Control and Statistical Div.
Defense Minerals Exploration Adm.
Department of the Interior
Washington 25, D. C.

Re: Pending application of Amicus Oil Company for uranium, thorium, vanadium, and rare earth minerals exploration; secs. 12 and 13, Block 10, Public School lands, Hudspeth County, Texas

Dear Sirs:

Transmitted herewith for assignment for a docket, distribution, possible revision, comments and instructions by the Washington Office, are the original and two copies of the subject application as received by this Field Team Office June 20, 1955. The fourth copy is retained here in the pending application file.

Sincerely yours,

Edwin T. Perkins

Edwin T. Perkins
Mining Engineer
For: C. C. Knox
Executive Officer
DMEA Field Team, Region IV

ETP/vis

Encl. (3)

cc: DMEA Op. Com (2)
Hirsch and Westheimer, Attys.
1902-5 Niels Esperson Bldg.
Houston 2, Texas
C. C. Knox
Appl. pending file

MF-103
(Revised April 1952)

UNITED STATES DEPARTMENT OF THE INTERIOR
DEFENSE MINERALS EXPLORATION ADMINISTRATION

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

RECEIVED
JUN 22 1955

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. 3865
Metal or Mineral Uranium, Thorium, & Rare Earth
Date Received 6/22/55
Estimated Cost $ 37,952.50
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: AMICUS OIL COMPANY
840 MELLIE ESPERSON BUILDING
HOUSTON, TEXAS

(*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. (See Exhibit I attached.)

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

(*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 (See Exhibit I attached.)

(*b*) State any mine name by which the property is known. AMICUS OIL COMPANY'S HOT ROCK NO. ONE.

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

(*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. (See 3 (c) on Exhibit I attached)

(*e*) If you own the land, describe any liens or encumbrances on it (See 3 (c) on Exhibit I attached)

(*f*) If the land consists of unpatented claims, add to the description above, the book and page numbers for each recorded location notice. None.

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. (See Exhibit I attached)

(*b*) State past and current production, and ore reserves, if any, giving quantities and grades. None.

(*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. (See Exhibit A attached)

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

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

16—66551-1

5. *The exploration project.*—(*a*) State the mineral or minerals for which you wish to explore (See Exhibit I attached)

(*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. (See Exhibit I attached)

(*c*) The work will start within ..... days and be completed within ..... months from the date of an exploration project contract. (See Exhibit I attached)

(*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. (See Exhibit I attached)

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: (See Ex. I)

(*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)? Yes.

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

[X] Money [ ] Use of equipment owned by you [ ] Other

Explain in detail on acompanying paper. (See Exhibit I attached)

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 June 10, 1955

ATTEST:

Secretary

~~AMICUS OIL~~ COMPANY
(Applicant)

By

President

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

Form MF-103
Application for Aid in an
Exploration Project, etc.
Page 1

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

RECEIVED
JUN 22 1955

EXHIBIT I.

1. (b) Amicus Oil Company, 840 Mellie Esperson Building, Houston, Texas, a corporation incorporated under the laws of the State of Texas. Its officers are:

1. (c) President: W. T. Moran, 840 Mellie Esperson Bldg., Houston, Texas
Vice-President: Maurice Hirsch, 1902 Niels Esperson Bldg., Houston, Texas
Secretary: I. Mark Westheimer, 1902 Niels Esperson Bldg., Houston, Texas

3. (a) Sections Twelve (12) and Thirteen (13), Block 10, Public School Lands, Hudspeth County, Texas.

3. (b) Amicus Oil Company's HOT ROCK NO. ONE.

3. (c) The land in question belongs to the Public School Fund of the State of Texas. Pursuant to the Statutes of the State of Texas, the Commissioner of the General Land Office of the State of Texas issued to H. C. Aiken permits to prospect for metalic minerals and precious stones, being Permit No. M-42858 covering Section Twelve (12), above described, and Permit No. M-42836, covering Section Thirteen (13) above described, photostatic copies of which are hereto attached. Amicus Oil Company has acquired these and other permits from H. C. Aiken, by assignment dated December 22, 1954, a photostatic copy of the instrument of assignment being similarly hereto attached. Amicus Oil Company owns one hundred (100%) per cent of the rights under the above described permits.

3. (d) Explained under 3 (c) above.

3. (e) Explained under 3 (c) above.

3. (f) None.

4. (a) At the present time, no mining or exploration operations are being conducted on this property. After the initial exploration work indicating the potentiality of the property, further activities have ceased until this application could be processed.

4. (b) None.

4. (c) This is fully explained in "EXHIBIT A" attached.

4. (d) The property is readily accessible by paved and all-weather roads. Location is approximately 40 miles East, by road, from El Paso, Texas on an all-weather road 14 miles off of U. S. Highway No. 180. Shipping, supply and residence point is El Paso, Texas, 40 miles from the project.

4. (e) Manpower, materials, supplies, equipment, water and power are all readily accessible.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

EXHIBIT I (Continued):

5. (a) Exploration to establish extent of outcrop of Bliss Sandstone which initial analyses shows carrying uranium, thorium, vanadium and rare earth minerals. Amicus Oil Company would wish to explore and evaluate the potentiality of all of the above.

5. (b) Preliminary core drilling, bulldozing, blasting, radiation surveys and deep hole prospecting to block out volume and concentration of mineralized beds.

5. (c) The work will start immediately after approval by DMEA and it is expected could be completed within three (3) months from the date of exploration contract.

5. (d) It is proposed that the work will be handled by contract, using competent mining engineer to supervise the operations.

Amicus Oil Company has been heretofore primarily an oil royalty company. However this work is being handled by Mr. Francis K. Campbell for Amicus Oil Company. Mr. Campbell is fully experienced in all phases of this work.

6. See EXHIBIT II attached.

7. (a) Yes.

7. (b) Amicus Oil Company will advance its share of the cost in question.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

EXHIBIT II.

6. ESTIMATE OF COSTS:

(a) Independent contracts -	
Core drilling -	
169 core holes to avg. depth of 50 feet - 8,450 ft. at $3.25 per foot	$27,462.50
Bulldozer -	
2 round trip moves from El Paso, Texas to mining location at $100 per trip	200.00
7 days or 56 hrs., bulldozer and operator at $15 per hr.	840.00
(b) Labor, supervision, consultants -	
Supervising Mining Engineer - 2 months at $1,000 per month	2,000.00
Assistant Engineer - 2 months at $750 per month	1,500.00
Consulting Geologist - 2 months at $1,000 per month	2,000.00
2 Laborers at $300 per month each	600.00
access road (c) 5 Cases Dynamite with caps and wire, $20 per case	100.00
(d) Deep Hole probe gamma ray logs of core holes	500.00
(e) None.	
(f) One Combination Bunk House and Tool House	750.00
(g) All contracts.	
(h) Contingencies -	
Travelling and living expenses of supervisors and helpers, 4 men for 2 months at $1,000 per month	2,000.00
Total	$37,952.50

FRANCIS X. BOSTICK
GEOLOGIST
623 SAN JACINTO BLDG.
HOUSTON, TEXAS

RECEIVED
JUN 22 1955

Amicus Oil Company
840 Mellie Espenson Bldg
Houston, Texas

EXHIBIT -A-

EXHIBIT "A"

RECEIVED
JUN 22 1955

4. Physical Description - (a) No mining or exploration operations have been conducted upon the land. The only operation carried on to date has been the bulldozing of rubble from the outcrop of the radioactive exposure of Bliss sandstone over a very limited area in order to determine that the discovery outcrop was in place and was not slump or float material from some unknown location.

(b) None

(c) The location of the radioactive outcrop of Bliss sandstone is in the south foothills of the Hueco Mountains. The major structural feature of the Hueco Mountains is an arch trending northwestward, whose axis lies near or a little west of the crest of the range.

The local geologic feature at the position on structure of the radioactive exposure of the Bliss sandstone under discussion is a large fault trending northeast-southwest that drops Upper Ordovician rocks on the west against Lower Ordovician, Cambro-Ordovician and pre-Cambrian granite on the east. (Refer to enclosed Map No. I). The Bliss sandstone in which the radioactivity occurs is the oldest sedimentary Paleozoic deposit and lies unconformably on red granites of pre-Cambrian age. It has a thickness of about 200 feet and dips to the northeast at about 10 degrees beneath the overlying El Paso limestone of Lower

Ordovician age. The dip on the base of the Bliss in contact with the granite is unknown.

There are very few outcrops of Bliss sandstone, as the area is largely covered with slump material,and considerable exploratory work will have to be done in order to evaluate the extent of the mineralized beds. The area of greatest mineralization in the sandstone is apparently within close proximity to the granite mass. A gamma ray survey was made with a Babbel counter Model No. 610, using a bismuth detector tube placed directly on the ground of a limited area around the outcrop of the discovery radioactive rock titled "Hot Rock No.1" and from these data the accompanying Isorad Map was constructed. (Refer to Map II).

Eleven samples of the Bliss sandstone were taken at random over the area covered by the Isorad Map and assays of these samples follow:

Continued on next page.

Sample No.	SiO_2 & $AlSiO_2$	Sol. Al_2O_3	Fe	CaO	? U_3O_8 V308	Th	Rare Earth	Va
28	86.60	1.00	2.50	1.50	.108	.32	.32	
28-0	64.75	5.25	15.00	1.05	.110	0		
28-5	94.00	nil	1.30	1.00	.100	-	.03	
28-ZE	92.30	1.10	1.20	2.60	.105	.24	.07	
28-ZJ	87.50	1.10	4.30	4.70	.100	.02	Trace	
28-ZK	92.50	1.00	3.90	1.30	.140	.15	.06	
28-ZP	88.50	2.8	3.50	.50	.420	.44	.62	
28-ZF	(Analyzed only for V308; Th; & Va)				.110	.00		.21
28-ZI	"	"	"	"	" .200	.46		.20
28-ZM	"	"	"	"	" .176	.22		.34
28-ZO	"	"	"	"	" .311	.51		.19

The analyses of the above surface samples indicate the mineralization in the sandstone to be of hypogene origin. It is highly probable that the mineral concentration of V308; Th; Va; and Rare Earths will increase with depth.

Form-MF-103
Application for Aid, etc.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

PERMIT NO. M-42858 TO PROSPECT

FOR

METALLIC MINERALS AND PRECIOUS STONES

Date December 1, 1954

WHEREAS, H. C. Aiken of 840 Esperson Bldg., Houston 2, Texas, on the 23rd day of November, 1954, filed in this office his application to prospect the following area for gold, silver, platinum, cinnabar and other metallic ores and precious stones, in accordance with Section 12, of an Act approved May 29, 1931, and amendments thereto, and has paid the amount of 74.05 as the rental provided by law:

Part	Sec.	Blk.	Tsp.	Cert.	Grantee	Acres	County
All	12	10			PSL	740.5	Hudspeth

Said land appearing to belong to the State and subject to prospect, said application is accepted for the purpose indicated, and the right of said applicant to enter upon said land and prospect it for a period not to exceed one year, beginning on December 1, 1954, under said law, is hereby acknowledged subject to the rules and regulations governing the issuance of such permit.

This permit may be assigned as a whole, but cannot be subdivided by assignment without the consent of the Commissioner of the General Land Office. No tract of less than 40 acres may be assigned. Any assignment of this permit, or any part hereof, shall be recorded in the county where the land embraced herein is located, and shall be filed in the General Land Office within 90 days from the date of execution, accompanied by a filing fee of one dollar.

If the owner of this permit should fail or refuse to prospect the area embraced herein within a reasonable time and in good faith, or if the owner of his authorized agent should make any false report concerning such prospecting, or should fail or refuse to furnish information concerning the prospecting or development of such area to the Commissioner of the General Land Office, or his representative, within thirty days after request for such information, this permit shall become subject to forfeiture.

In all cases the authority of a manager or agent to act for the owner of this permit must be filed in the General Land Office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the seal of said office on this, the date first above written.

Bascom Giles
Commissioner, General Land Office.

Form MF-103
Application for Aid, etc.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

PERMIT NO. M-42836 TO PROSPECT

FOR

METALLIC MINERALS AND PRECIOUS STONES

RECEIVED
JUN 22 1955

Date December 1, 1954

WHEREAS, H. C. Aiken of 840 Esperson Bldg., Houston 2, Texas, on the ____ day of _____, 19__, filed in this office his application to prospect the following area for gold, silver, platinum, cinnabar and other metallic ores and precious stones, in accordance with Section 12, of an Act approved May 29, 1931, and amendments thereto, and has paid the amount of $74.05 as the rental provided by law: Reg. #21098

Part	Sec.	Blk.	Tsp.	Cert.	Grantee	Acres	County
All	13	10			PSL	740.5	Hudspeth

Said land appearing to belong to the State and subject to prospect, said application is accepted for the purpose indicated, and the right of said applicant to enter upon said land and prospect it for a period not to exceed one year, beginning on December 1, 1954, under said law, is hereby acknowledged subject to the rules and regulations governing the issuance of such permit.

This permit may be assigned as a whole, but cannot be subdivided by assignment without the consent of the Commissioner of the General Land Office. No tract of less than 40 acres may be assigned. Any assignment of this permit, or any part hereof, shall be recorded in the county where the land embraced herein is located, and shall be filed in the General Land Office within 90 days from the date of execution, accompanied by a filing fee of one dollar.

If the owner of this permit should fail or refuse to prospect the area embraced herein within a reasonable time and in good faith, or if the owner of his authorized agent should make any false report concerning such prospecting, or should fail or refuse to furnish information concerning the prospecting or development of such area to the Commissioner of the General Land Office, or his representative, within thirty days after request for such information, this permit shall become subject to forfeiture.

In all cases the authority of a manager or agent to act for the owner of this permit must be filed in the General Land Office.

IN TESTIMONY WHEREOF, I hereunto set my hand and cause to be affixed the seal of said office on this, the date first above written.

Bascom Giles
Commissioner, General Land Office.

FORM 51

GENERAL LAND OFFICE

Reg. No. 21098
Fund No. M-332

PROSPECT PERMIT

AUSTIN, TEXAS November 23, 195 4

RECEIVED FROM W. G. Allen, 240 Esperson Bldg., Houston 2, Texas

$74.25 Seventy-Four and 25/100.....DOLLARS

FOR RENTAL on 240.5 Acres. Sec. 13, Blk. 10, PSL

HUDSPETH COUNTY (Period 12-1-54 to 12-1-55)

State Lease M-42836

Bascom Giles

Form MF-103
Application for Aid, etc.

AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas

THE STATE OF TEXAS
COUNTY OF HUDSPETH

RECEIVED
JUN 2 3 1955

WHEREAS, on the 1st day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken, of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-42859, covering Section 1, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42854, covering Section 4, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42853, covering Section 6, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42852, covering Section 7, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42855, covering Section 8, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42860, covering the W pt & NE pt of Section 9, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42833, covering Section 10, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42858, covering Section 12, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42836, covering Section 13, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42857, covering Section 14, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42834, covering Section 15, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42850, covering Section 17, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42856, covering Section 21, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42851, covering Section 22, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-42835, covering Section 24, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M42848, covering Section 42, Block 68, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42847, covering the South one-half of Section 26, Block 69, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42846, covering Section 48, Block 69, Township 9, T & P R.R. Co. Survey, Hudspeth County, Texas.

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BLDG
HOUSTON 2, TEXAS

Permit No. M-42845, covering Section 16, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42844, covering Section 17, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42843, covering Section 24, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42842, covering Section 25, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42849, covering Section 1, Block 76, Public School Lands, Hudspeth County, Texas.

And, WHEREAS, on the 3rd day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-42868, covering Section 2, Block 4, T & P R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-42879, covering Section 2, Block 5, Cert. 4/824 GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42880, covering Section 4, Block 5, Cert. 4/829, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42881, covering Section 6, Block 5, Cert. 4/1689, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42866, covering S. pt. Section 8, Block 5, Cert. 4/1679, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42867, covering N pt. Section 8, Block 5, Cert. 4/1679, GC and SF RR Company Survey, Hudspeth County, Texas.

Permit No. M-42882, covering Section 11, Block 31, Public School Lands, Hudspeth County, Texas.

Permit No. M-42883, covering Section 9, Block 32, Public School Lands, Hudspeth County, Texas.

Permit No. M42884, covering Section 1, Block 42½, Public School Lands, Hudspeth County, Texas.

Permit No. M-42890, covering Section 14, Block 42½, Public School Lands, Hudspeth County, Texas.

Permit No. M-42885, covering Section 20, Block 56, Public School Lands, Hudspeth County, Texas.

Permit No. M-42887, covering Section 14, Block 71, Public School Lands, Hudspeth County, Texas.

Permit No. M-42886, covering Section 15, Block 71, Public School Lands, Hudspeth County, Texas.

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1908-5 NIELS ESPERSON BLDG.

Permit No. M-42888, covering Section 2, Block 72, Public School Lands, Hudspeth County, Texas.

Permit No. M-42893, covering Section 343, Scrap File 9476, D. Taylor Survey, Hudspeth County, Texas.

Permit No. M-42894, covering Section 344, Scrap File 9477, D. Taylor Survey, Hudspeth County, Texas.

Permit No. M-42889, covering Section 1201, Scrap File 14165, J. A. and J. D. Bramblett Survey, Hudspeth County, Texas.

Permit No. M-42895, covering Section 21, Scrap File 12424, J. W. Dolin Survey, Hudspeth County, Texas.

And, WHEREAS, on the 6th day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit: Permit No. M-43056, covering Section 11, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-43055, covering the NE¼ and N½ of the SE¼ of Section 23, Block 10, Public School Lands, Hudspeth County, Texas.

Permit No. M-43054, covering the W½ and the S½ of the SE¼ of Section 23, Block 10, Public School Lands, Hudspeth County, Texas.

And, WHEREAS, on the 13th day of December, 1954, Bascom Giles, Commissioner of the General Land Office of the State of Texas, issued to H. C. Aiken of Harris County, Texas, the following described permits to prospect for metallic minerals and precious stones, to-wit:

Permit No. M-43[illegible], covering Section 16, Block 61½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43[illegible], covering the S½ of Section [illegible], Block [illegible], Public School Lands, Hudspeth County, Texas.

Permit No. M-43[illegible], covering Section 1, Block 66½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43[illegible], covering Section 2, Block 66½, Public School Lands, Hudspeth County, Texas.

Permit No. M-43[illegible], covering Section [illegible], Block 72, Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-43[illegible], covering Section [illegible], Block 72, Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

Permit No. M-43[illegible], covering Section [illegible], Block 72, Township [illegible], T. & P. R.R. Co. Survey, Hudspeth County, Texas.

NOW, THEREFORE, for and in consideration of Ten and No/100ths ($10.00) Dollars and other good and valuable considerations, the receipt and

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BLDG
HOUSTON 2, TEXAS

sufficiency of which is hereby acknowledge , the undersigned, H. C. Aiken, the present owner of the said permits and all rights thereunder or incident thereto, does hereby BARGAIN, SELL, TRANSFER, ASSIGN and CONVEY unto AMICUS OIL COMPANY, a Texas corporation, all his rights, titles and interests in and to the above described permits and rights thereunder.

IN WITNESS WHEREOF, the undersigned owner and assignor has signed this instrument this 22nd day of December, 1954.

H. C. Aiken

H. C. Aiken

THE STATE OF TEXAS }
COUNTY OF HARRIS }

BEFORE ME, the undersigned authority, on this day personally appeared H. C. AIKEN, known to me to be the person whose name is subscribed to the foregoing instrument, and acknowledged to me that he executed the same for the purposes and consideration therein expressed.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this 22nd day of December, 1954.

Edgar O. Bottler

Notary Public in and for Harris County, Texas

EDGAR O. BOTTLER

FROM THE LAW OFFICES OF
HIRSCH AND WESTHEIMER
1902-5 NIELS ESPERSON BLDG
HOUSTON 2, TEXAS

39528

ASSIGNMENT OF MINING PERMITS

FROM: H. C. AIKEN, "ASSIGNOR"

TO: AMICUS OIL COMPANY, "ASSIGNEE"

[redacted]

12-27-[redacted]

8:30 [redacted]

Martha L. McLure

[redacted]

Nenx Washington

LAW OFFICES OF

[redacted]

LAW OFFICES OF
HIRSCH AND WESTHEIMER
1801-5 NIELS ESPERSON BUILDING
HOUSTON 2, TEXAS

I, Martha L. McLure Clerk of the

STATE OF TEXAS,
COUNTY OF HARRISON

County Court in and for said County do hereby certify that the foregoing Assignment of Mining Permits

ID 54 which instrument of writing, with its certificate of authentication, was filed

for record in my office on the 27th day of December A.D. 54, at 8:30 o'clock A. M.,

and duly recorded the 28th day of December A.D. 54, at 2:30 o'clock P. M.,

in Volume 56 on Pages 537-539 of the Land Records of said County, in my office in Jefferson, Texas.

Witness my hand and the seal of the County Court of said County, at office in Marshall, Texas, this the 28th day of December A.D. 1954.

Martha L. McLure Clerk

County Court, Harrison County, Texas

By Frances Wallbridge Deputy

Thelma Wallbridge

FORM 51

GENERAL LAND OFFICE

Rec. No. 21099
Fund No. PM-332

PROSPECT PERMIT

AUSTIN, TEXAS November 23, 1954

RECEIVED FROM W. C. Allen, 840 Esperson Bldg., Houston 2, Texas

$74.05 Seventy-Four and 05/100.....DOLLARS

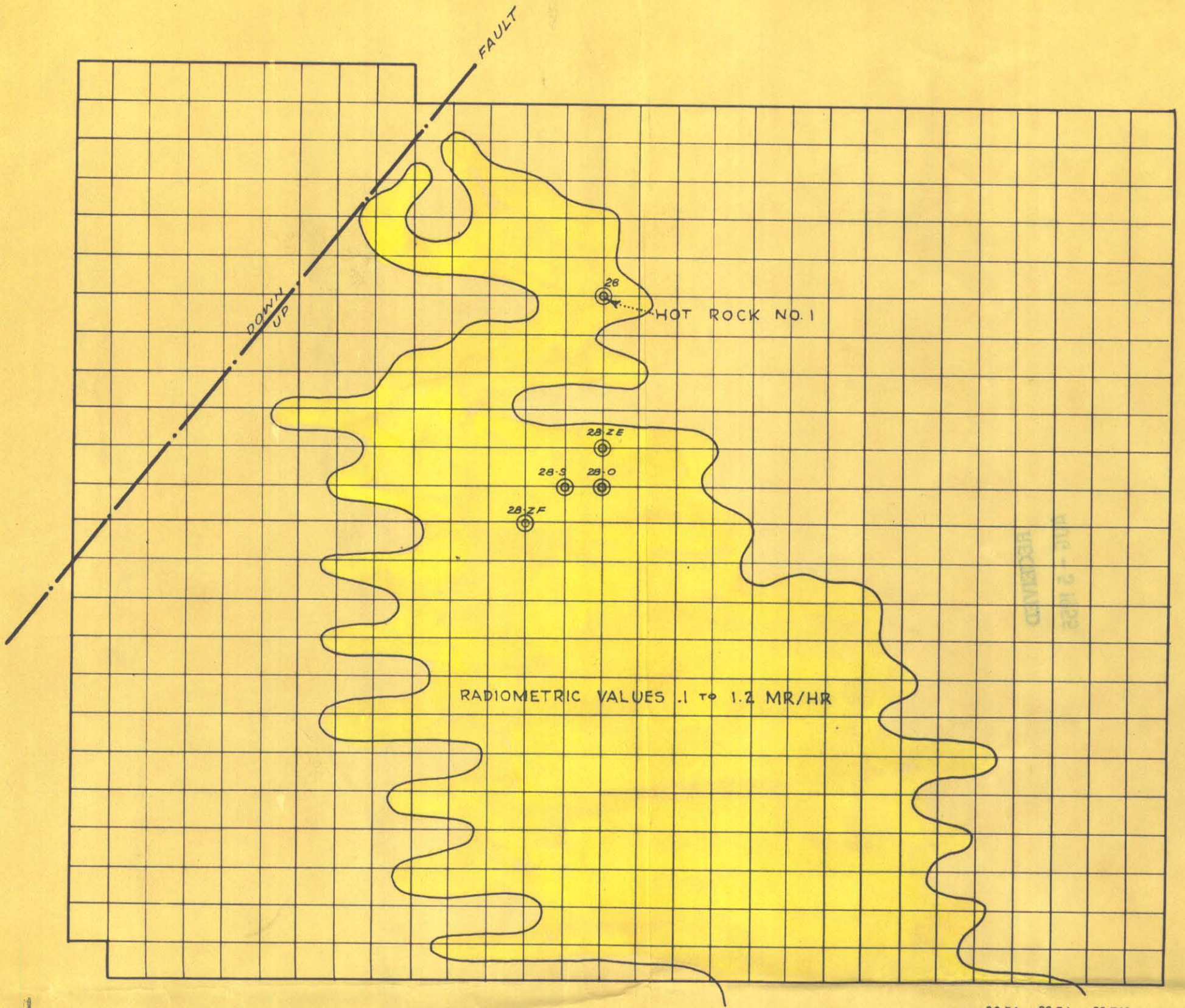
FOR RENTAL on 740.5 Acres. Sec. 13, Blk. 10, PSL

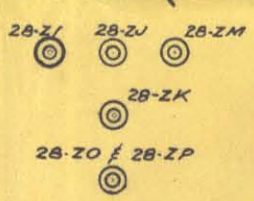
HUDSPETH COUNTY (Period 12-1-54 to 12-1-55)

State Lease M-42858

Bascom Giles

Mr. George C. Selfridge, Chairman
Operating Committee
Devense Minerals Exploration Administration
Department of the Interior
Washington 25, D. C.

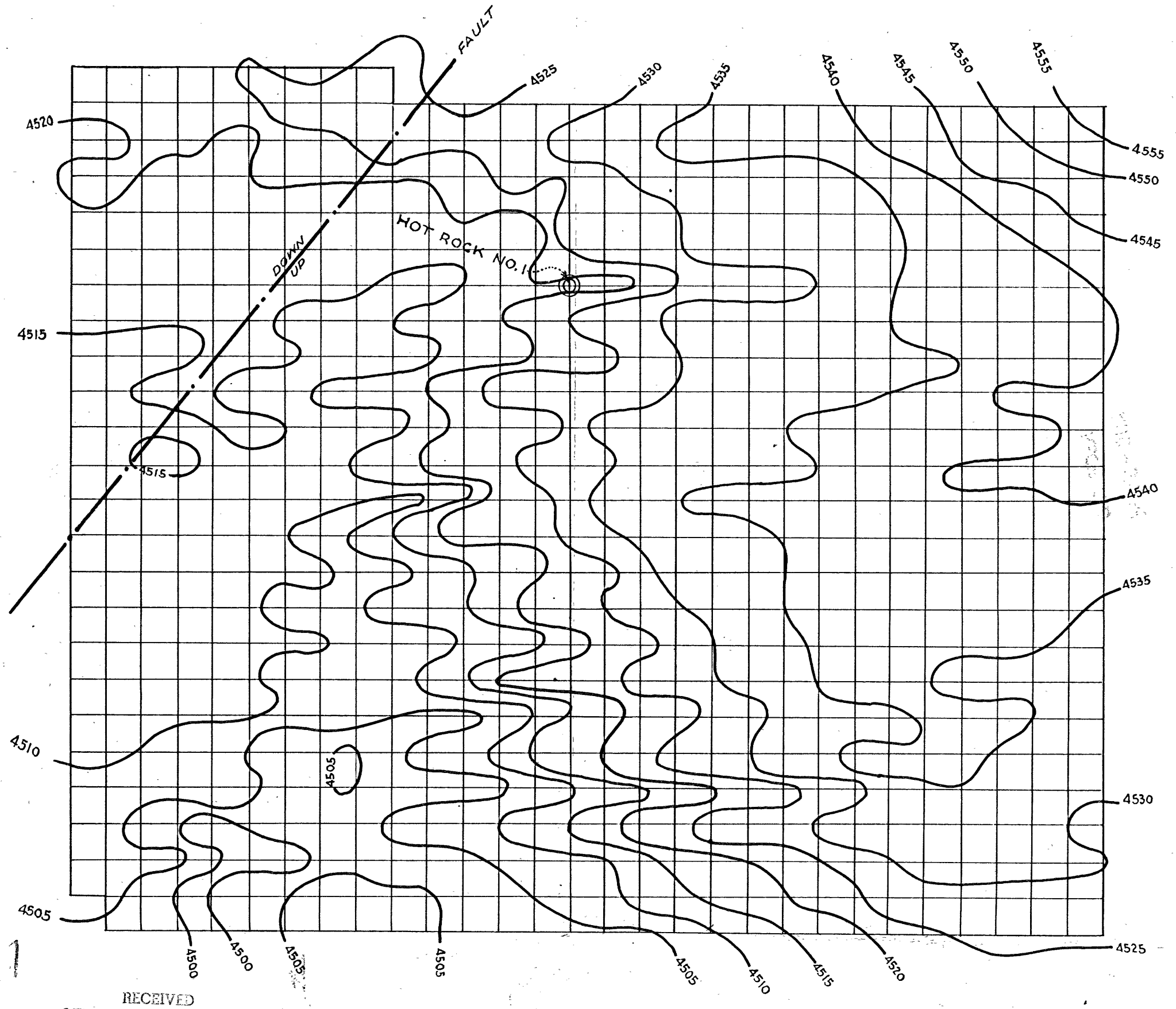




RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 2 1955
BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
LOCATON OF ASSAYED SAMPLES
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS
SCALE 1" = 30'
GRID PATTERN - 13' x 13'

F.X. Bostick 7-55



RECEIVED
MINERALS TECHNOLOGY
DIVISION

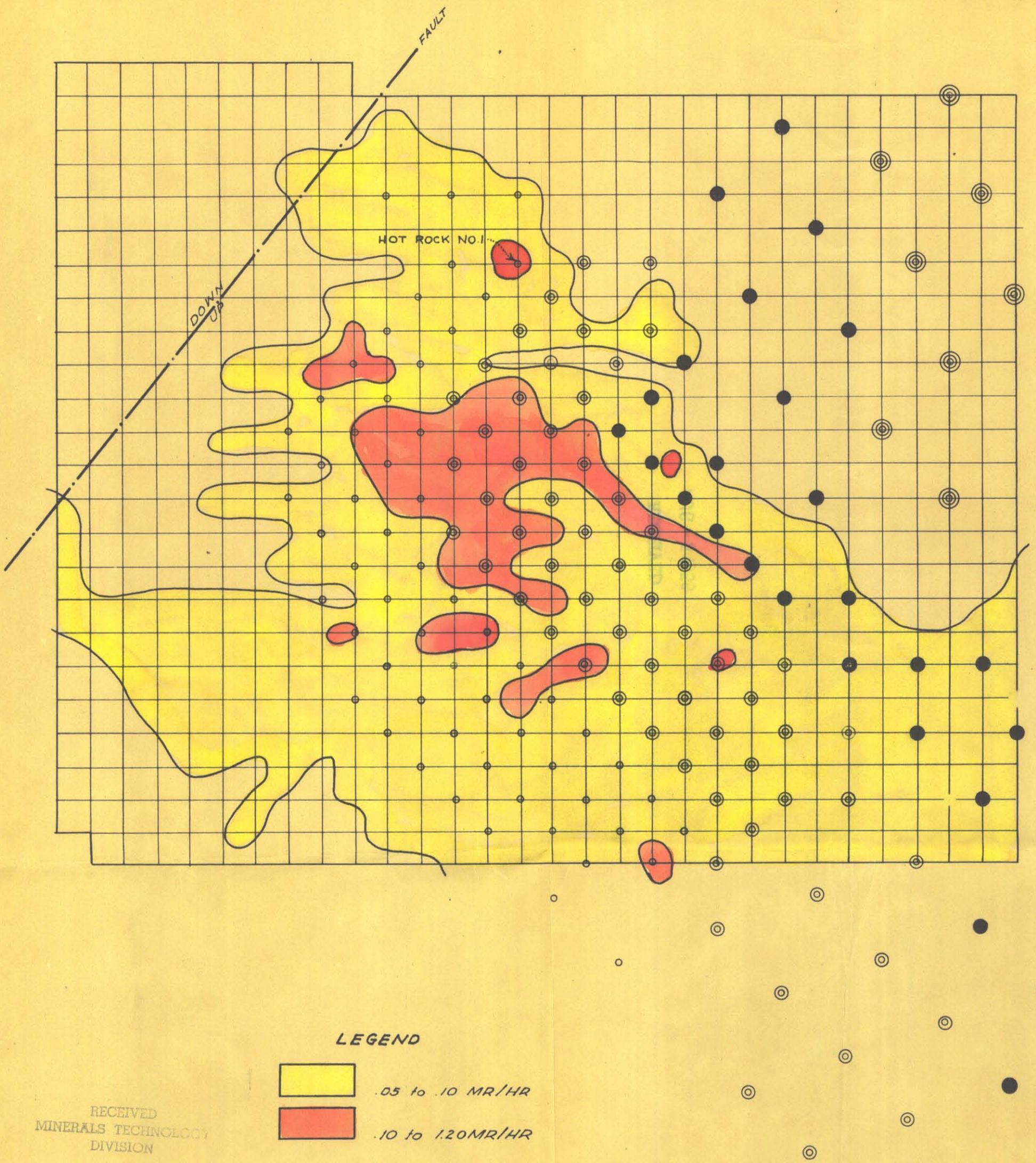
AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
TOPOGRAPHIC MAP
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
CONTOUR INTERVAL = 5'
GRID PATTERN = 13' x 13'

F X Bosfick 7-55



LEGEND

.05 to .10 MR/HR

.10 to 1.20 MR/HR

o -- 25' Core Tests

◎ -- 50' " "

● -- 100' " "

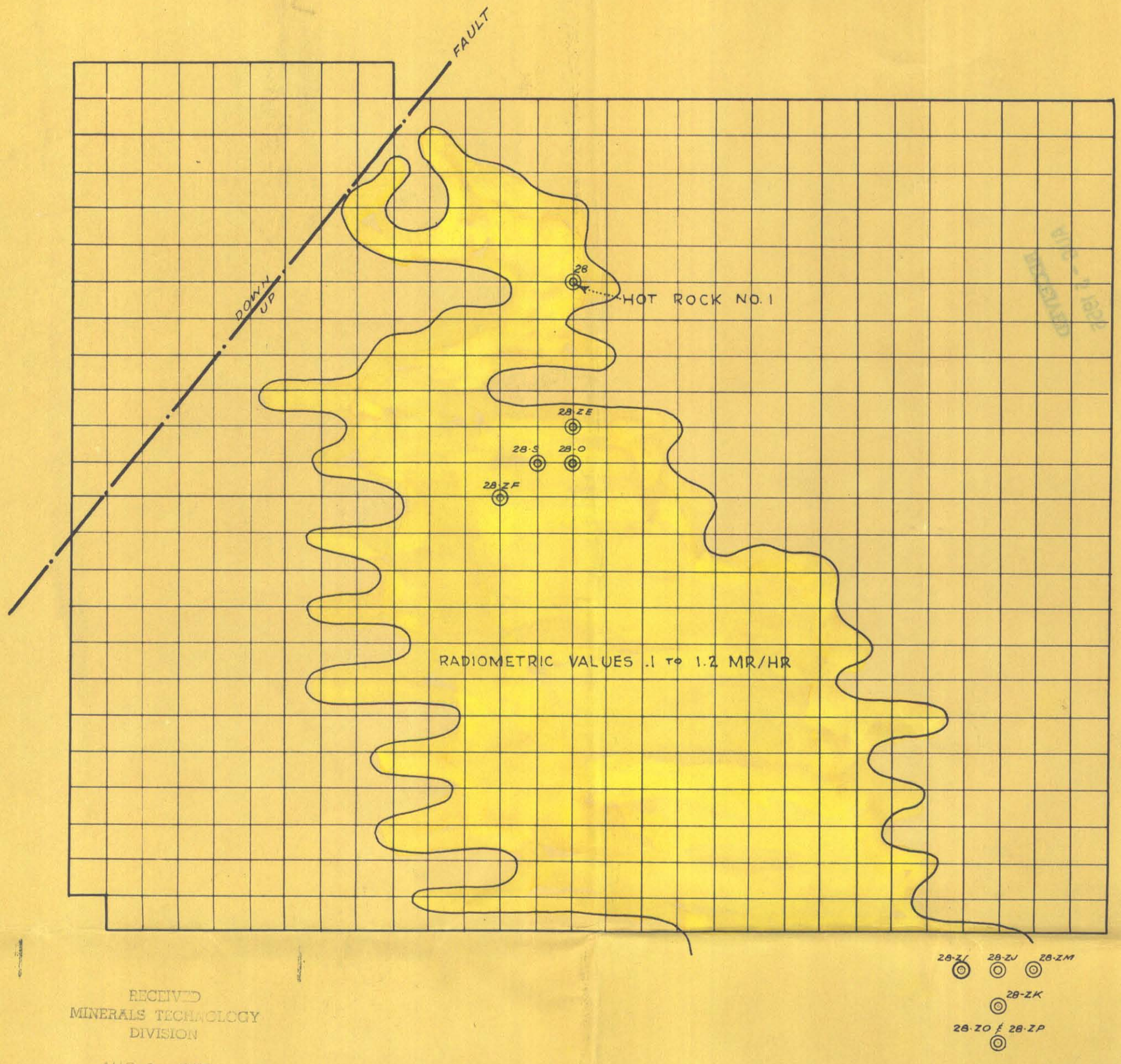
◎ -- 150' " "

RECEIVED
MINERALS TECHNOLOGY
DIVISION
AUG 2 1955
BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
PROPOSED CORE TESTS
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
GRID PATTERN: 13' X 13'

F.X. Bostick 7-55



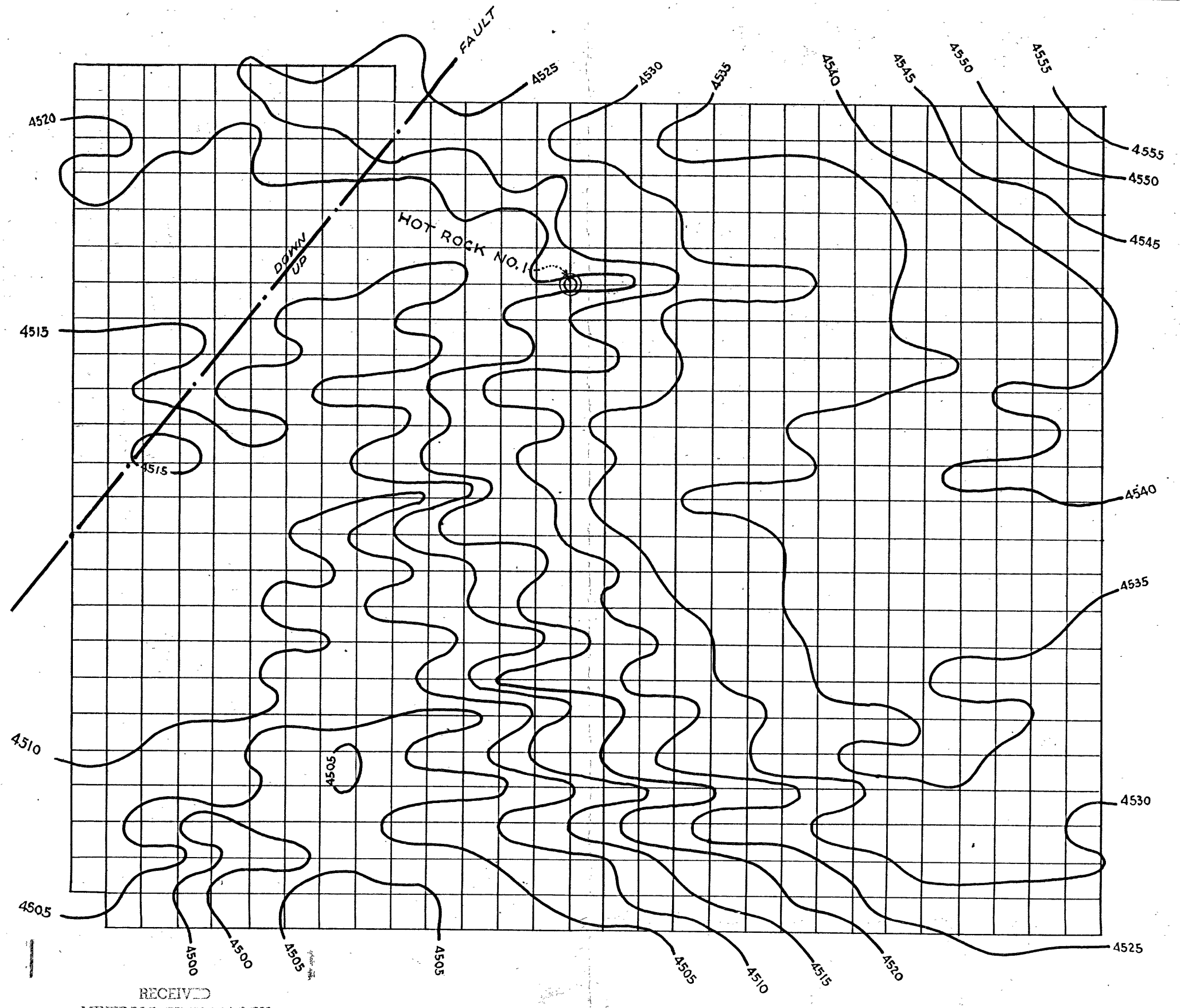
RECEIVED
MINERALS TECHNOLOGY
DIVISION

AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
LOCATON OF ASSAYED SAMPLES
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS
SCALE 1" = 30'
GRID PATTERN = 13' x 13'

F.X. Bostick 7-55



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DIVISION

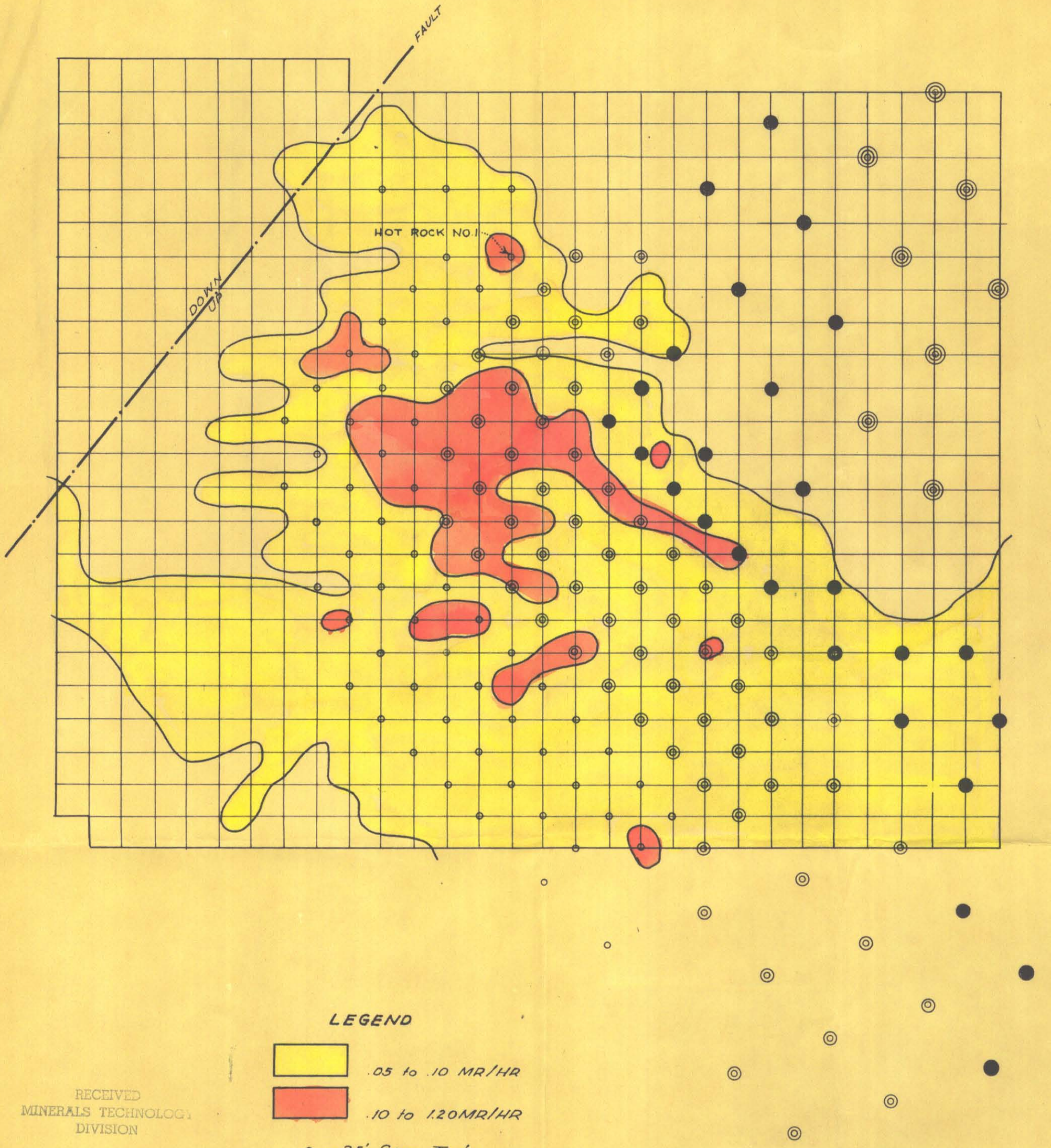
AUG 2 1955

BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
TOPOGRAPHIC MAP
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
CONTOUR INTERVAL = 5'
GRID PATTERN = 13' X 13'

F.X. Bosfick 7-55



LEGEND

.05 to .10 MR/HR

.10 to 1.20 MR/HR

o -- 25' Core Tests

◎ -- 50' " "

● -- 100' " "

◎ -- 150' " "

RECEIVED
MINERALS TECHNOLOGY
DIVISION

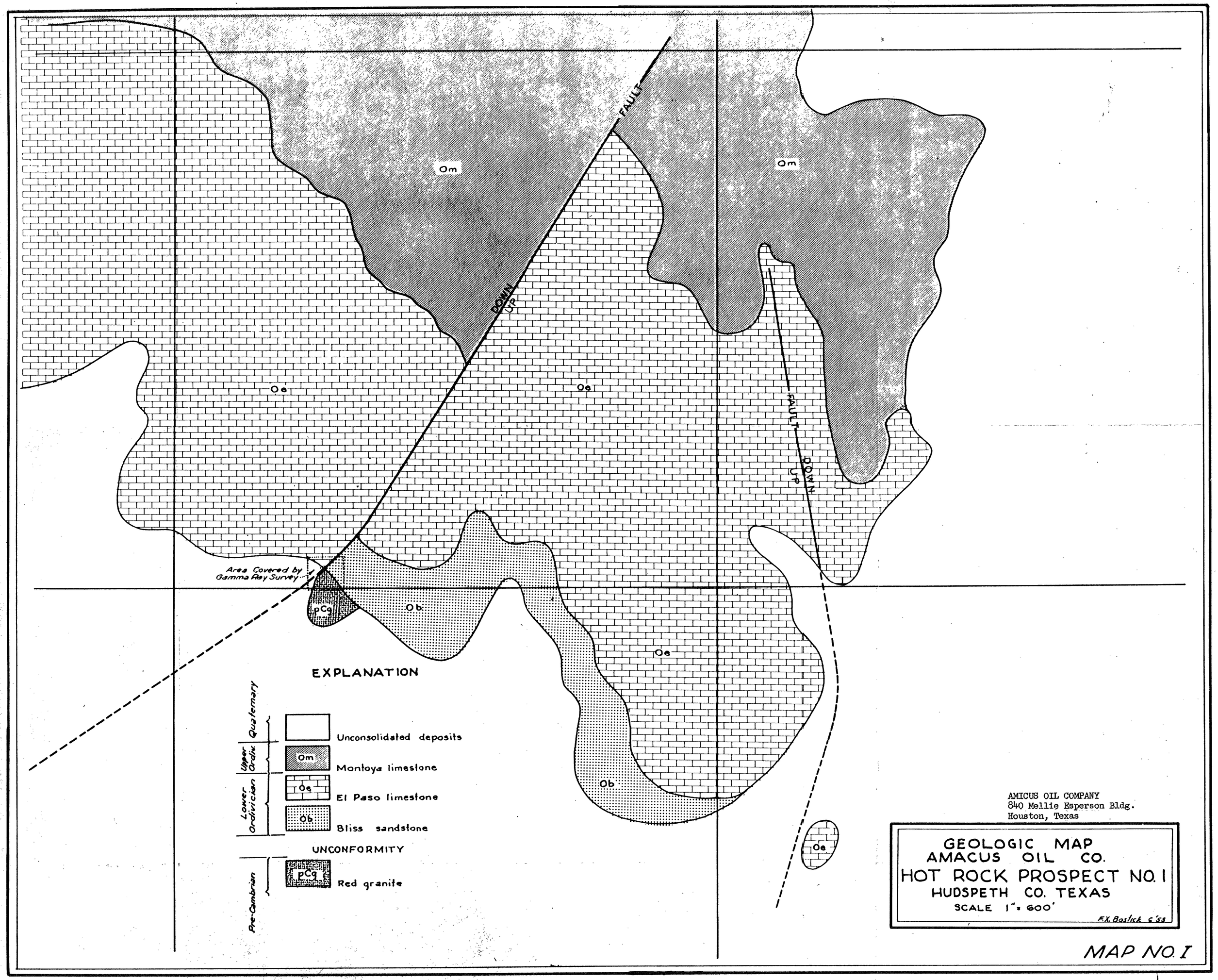
AUG 2 1955

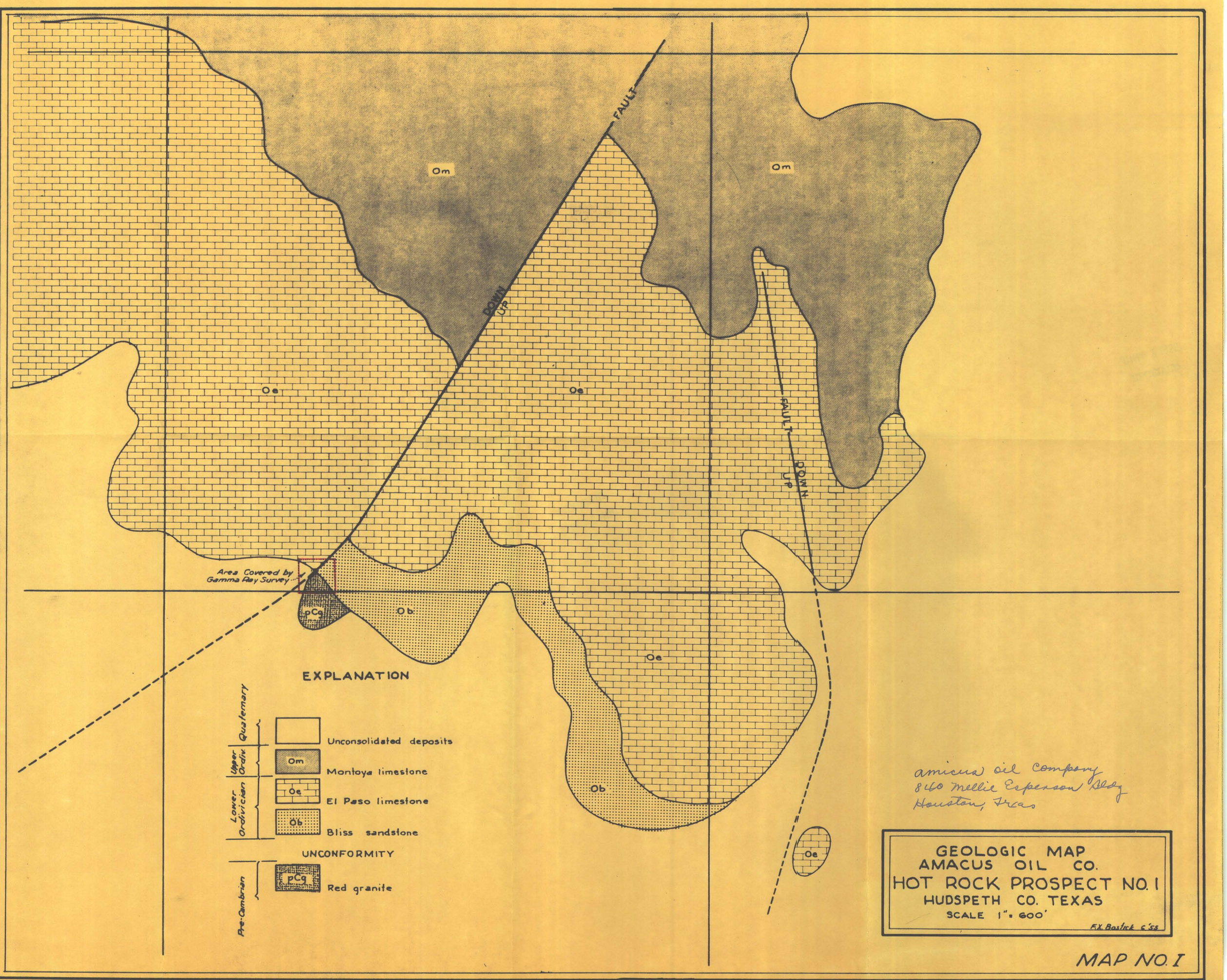
BUREAU OF MINES
JOPLIN, MO.

AMICUS OIL CO.
PROPOSED CORE TESTS
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS

SCALE 1" = 30'
GRID PATTERN = 13'X13'

F.X. Bostick 7-55


FAULT
DOWN
UP
Om
Om
Oe
Oe
FAULT
DOWN
UP
Area Covered by
Gamma Ray Survey
pCg
Ob
Oe
Ob
Oe
EXPLANATION
Quaternary
Unconsolidated deposits
Upper Ordiv.
Om
Montoya limestone
Lower Ordivician
Oe
El Paso limestone
Ob
Bliss sandstone
UNCONFORMITY
Pre-Cambrian
pCg
Red granite
AMICUS OIL COMPANY
840 Mellie Esperson Bldg.
Houston, Texas
GEOLOGIC MAP
AMACUS OIL CO.
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS
SCALE 1" = 600'
F.X. Bostick 6'55
MAP NO. I


Om
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FAULT
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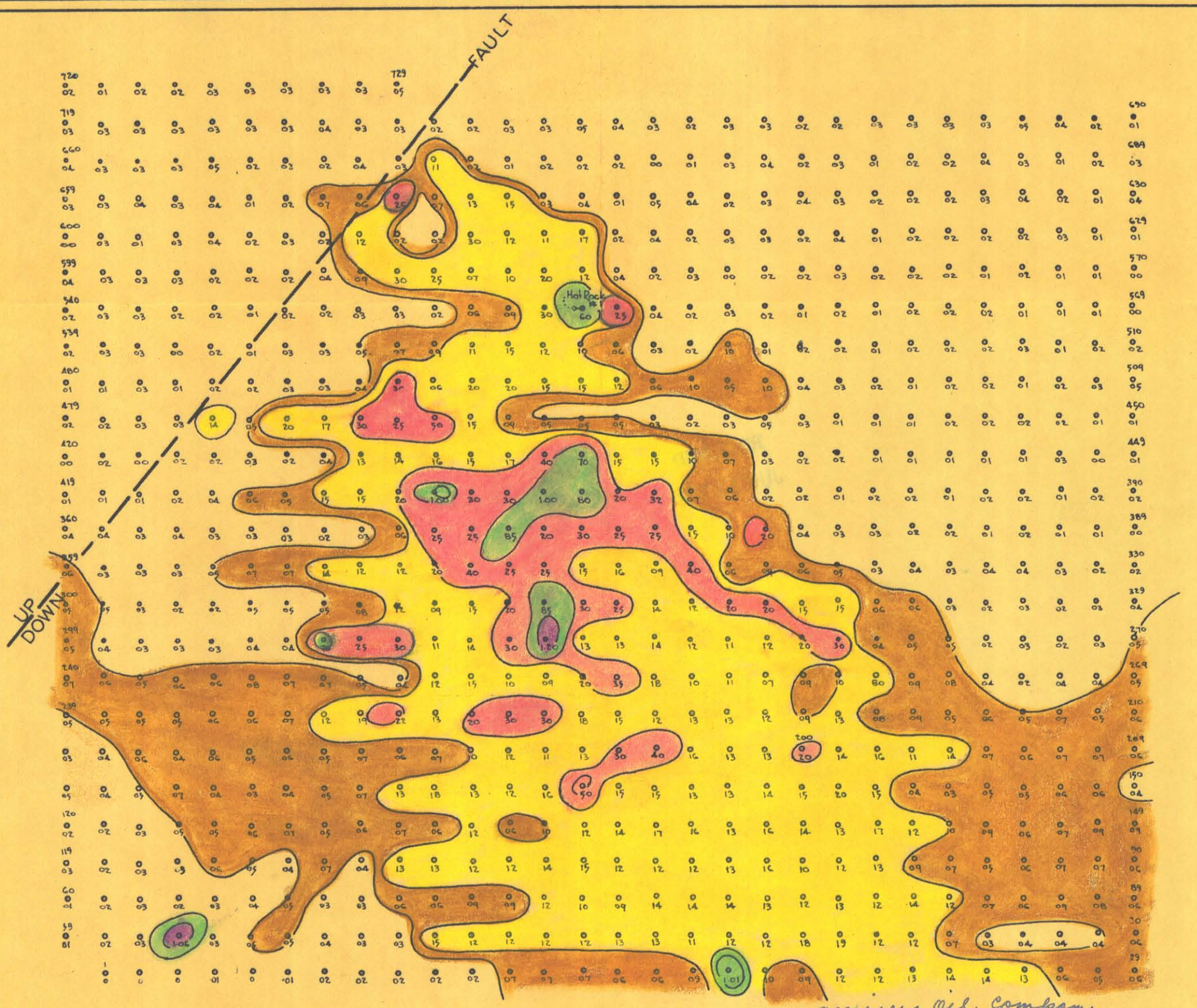
FAULT
DOWN
UP
Area Covered by
Gamma Ray Survey
pCg
Ob
Oe
Ob
Oe
EXPLANATION
Quaternary
Unconsolidated deposits
Upper Ordiv.
Om
Montoya limestone
Lower Ordivician
Oe
El Paso limestone
Ob
Bliss sandstone
UNCONFORMITY
Pre-Cambrian
pCg
Red granite
amicus oil Company
840 Mellie Esperson Bldg
Houston, Texas
GEOLOGIC MAP
AMACUS OIL CO.
HOT ROCK PROSPECT NO. 1
HUDSPETH CO. TEXAS
SCALE 1" = 600'
F.X. Bostick C.'55
MAP NO. I



amicus Oil Company
840 Mellie Espersow Bldg
Houston Texas

LEGEND

- 0 to .05 MR/Hr.
- .05 to .10 MR/Hr
- .10 to .20 MR/Hr
- .20 to .50 M.R./Hr
- .50 to 1.00 M.R./Hr
- Over 1.00 MR/Hr.

AMICUS OIL CO.
ISORAD MAP
HOT ROCK PROSPECT NO.1
HUDSPETH COUNTY, TEXAS
SCALE 1" = 40'
Grid scale: 13' x 13'

F.X. Bostick 6-55

MAP NO. II