UNITED STATES
DEPARTMENT OF THE INTERIOR
DEFENSE MINERAL EXPLORATION ADMINISTRATION

[redacted]
Joplin, Missouri
November 18, 1953

COPY

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
DEC 15 1953

Operating Committee
Defense Minerals Exploration
Administration
Interior Building
Washington 25, D. C.

Re: DMEA-2202X Idm-E468
Amerimex Mining Co.,
Presidio County, Tex.
Mercury

Gentlemen:

Enclosed herewith are the original and two copies with accompanying maps, of proposed Amendment No. 3 to the above-referenced Contract.

The draft of proposed Amendment No. 3 has been prepared by the Operator and provides for $95,000.00 in exploration expenditures in addition to the amount of $80,000.00 now authorized by Contract Idm-E468. The proposed amendment outlines exploration work and attendant costs the Operator requests be added to the present project.

After consideration of the proposed contract amendment the Field Team recommends that no increase in contract amount be authorized at this time for the following reasons:

1) Discovery of ore so far in the project has been unimpressive, if not negligible; and the new work, as outlined, would not have the direct effect of salvaging, or protecting, the existing investment in the project.

2) Past performance has not shown operations to be completely efficient from either a mining or exploration standpoint.

3) The existing project has been recessed since August 19, 1953 due to financial difficulties within the Amerimex Corporation. Inquiry of the Operator indicates that presently authorized DMEA work will not be finished by December 18, 1953-expiration date of Contract Idm-E468. Efforts on the part of the Operator to attract new capital to the venture have so far been to no avail.

Very sincerely yours,

W. P. Williams
Executive Officer
DMEA, Region VI

:jd

NOV 17 1953

Docket No. DMEA-2202X
Contract No. I6m-1408
Exploration Project Contract

Americex Mining Company
Alpine, Texas
November 11

DEPARTMENT OF THE INTERIOR
Defense Minerals Administration
RECEIVED
NOV 20 1953

PROPOSED AMENDMENT NO. 3

It is respectfully requested that Contract I6m-1408, Docket No. DMEA-2202X, dated December 18, 1952, between the United States of America and the Americex Mining Company be amended effective not later than December 18, 1953, as follows:

1. Project No. 3

It is proposed that the Operator be authorized to drive 250 feet of underground mine openings from the existing face of Project No. 3 Main Drift in order to further explore significant trends of mercury mineralization exposed by previous work done in Project No. 3 Main Drift, Project No. 3A Crosscut, Raise and Drifts and in Project No. 3B Crosscut, Raise, and Drifts.

This work is to start with the driving of an estimated 65-foot, N 65° E striking extension of the existing 60-foot Level Project No. 3 Main Drift to cut the projected trend of the fault zone and mercury mineralization a distance of approximately 50 feet S 80° E of the significant mercury mineralization trending in that direction from Project 3B Cross Cut.

The Operator may then direct therefrom, the remaining 150 feet of underground work in order further to investigate any significant trends of mercury mineralization or structures.

The purpose of such further exploration is to be the following of structure or mineralization of the strong S 80° E trending fault zone which may be projected through the underground exposures, as indicated on the enclosed map near the extreme Northwest Face of Project No. 1 Drift, at the Northwest Stope wall where good ore was mined directly north of the opening of Project No. 1, in the 100-foot Level Cross Cut to old Churn Drill Hole No. 18, where ore was mined on the 100-foot Level and where strong mercury mineralization was encountered to considerable depth, according to the log of the hole previously submitted with the original DMEA application, at the North Stope wall on the 60-foot Level near Shaft No. 1, at Shaft No. 1 on both the 60-foot and 100-foot Levels, where slight mercury mineralization exists, and in Project 3A and 3B where significant mercury mineralization is exposed. In following this structural trend, the ultimate objective would be exploration of the zone approximately 150 feet S 80° E where a projection of this strong mineralized structure would juncture with the powerful fault trending N 67° E from the vicinity of the large well-defined "sink" or collapse area which the Bureau of Mines tried to diamond drill during World War II, thence past the extreme Southwest

extent of the previously-stoped orebody of the mine, thence east Project No. 8 where the fault was entered by all of the diamond drill holes, but none of which was drilled through the jumbled clay fill of the fault, and thence through the open cuts along the fault scarp made by previous operators.

This zone of proposed exploration lies comparatively short distance from the "sink" or collapse area east of Project No. 12 Shaft, and it seems probable that there may be some association of the mineralization.

This proposed exploration is in accordance with Recommendation No. 4, A. R. Fletcher Report, dated May 14, 1953, and with Paragraph 4 of his Geological Report, dated September 12 and inclosed herewith.

In addition to the previously-proposed work on Project No. 3, it is also proposed that authorization be granted for the driving of an additional 50 feet of exploratory underground mine opening approximately N 60° E from the present 60-foot Level face of Project No. 3A Cross Cut to intersect the Limestone Del Rio Clay Contact zone exposed on the surface and to explore such contact zone where intersected by the fractures which produced mercury ore in the open pits on the surface. Since 1944 feet of work has been done and neither the contact nor the northeast-trending fracture have been cut, it seems likely that the cross cut has not been driven far enough to explore the area adequately.

The total footage of underground exploratory mine openings in Project No. 3, for which authorization is requested consists of 318 lineal feet of 5' X 7' mine workings.

2. Proposed Project No. 13

It is proposed that the operator be authorized to drive 50 feet of underground exploratory mine openings approximately due north from the existing face of the extreme Northeast 100-foot Level Drift to crosscut the projected juncture of the strong mineralized fault zone showing in Shaft No. 1 and Project No. 5 workings where this fault is intersected by the downward projection of the fractures which made ore in the open surface cuts between Shaft No. 1 and the Project No. 5 workings. It is further proposed that an additional 50 feet of exploratory mine opening be authorized as may be justified by mineralization or favorable structure encountered.

This proposed exploration is in accordance with Paragraph 3 and 4 of the Geological Report of A. R. Fletcher, dated September 12, 1953, inclosed and is identified with relation to the structures shown on the geologic, contour, and mine plan map included herewith.

Total underground exploratory mine opening in Proposed Project No. 13, for which authorization is requested, consists of 100 lineal

feet of 5' X 7' mine openings.

3. Proposed Project No. 14

It is proposed the authorization be granted for the driving of 60 feet of underground exploratory mine openings, to begin with a raise to be driven from an offset to be cut west off of the 100-foot Haulage Level at a point 50 lineal feet southeast from the center of Shaft No. 2. This proposed raise would be driven on an incline of approximately 30 degrees due west to explore the downward trend of the significant mercury mineralization which made commercial grade ore in the old stope above the area to be explored and where mineralized fractures trend downward along the strike of the mineralized fault zone, which can be traced through this area from Project No. 1 where it was cut at too high a horizon to be mineralized and to Project No. 3 where, although no greater depth was attained, better structural conditions produced significant mercury mineralization.

Total underground exploratory mine openings in Proposed Project No. 14 for which authorization is requested consists of 60 lineal feet of 5' X 7' mine openings.

4. Proposed Project No. 15

It is proposed that authorization be granted for the Operator to contract for either churn drilling or core drilling to be performed by independent contractor to the total of 3,500 feet of drill hole or more at a cost not to exceed $4.00 per foot or a total of $14,000.00 to explore the "sinks" or collapsed areas identified by alphabetical symbols: B, C, D, F, H, I, & M, on the geologic, contour and mine plan map attached hereunto.

The purpose of such drilling is to be the exploration of the favorable contacts of the shattered Georgetown beneath the subsided Del Rio Clay at depth within the collapsed areas in accordance with the original Geologic Report of W. N. McAnulty, dated July 24, 1951, submitted with the original DMEA application and in accordance with the subsequent forceful recommendations of A. R. Fletcher in his Geologic Reports dated May 14, 1953 and September 12, 1953.

The proposed plan of drilling, if a churn drill were employed, would provide for the location of the first hole at the approximate center of Sink B, on the surface, with the view to drilling vertically through the jumbled fill to explore the desired horizon at a depth of 500 feet or less. If mercury mineralization is encountered within the prescribed depth, two similar offset holes may be drilled at such locations within the sink periphery or adjacent thereto as the Operator may designate to explore further any significant mercury mineralization encountered.

It is recognized that technical difficulties may make it impractical to drill to the required depth within the jumbled fill of the sinks. Consequently, effort will be made to contract the drilling with one of the contractors using Failing type core drills and compressed air to remove the cuttings. This would preclude the difficulties caused by loss of water returns in drilling in the fractured cavernous limestone of the sink peripheries. If it should prove necessary to try to cut the desired horizons within the sinks by beginning the holes on surface outside the sinks, it could probably be achieved by angling them in such manner as to cut the sink periphery at the estimated depth of the contact of Georgetown beneath the Del Rio Clay fill.

From the surface indications, it appears that all of the sinks or collapsed areas except "H" and "M" could be explored at the desired horizon by angling a drill hole so as to cut the periphery of the sink at a vertical depth of approximately 200 feet and then penetrating the sink fill for perhaps as much as 50 to 100 feet farther. This assumption is based upon the fact that the fill of the sinks on the surface usually contains only a remnant of the Boquillas Shales and consists mostly of remnants of the Buda, thickness about 80 feet, and the Del Rio Clay, thickness about 120 feet. In sinks "H" and "M" the surface shows a large amount of Boquillas, and the desired contact may be as much as 600 feet in depth.

Regardless of whether it proved to be less expensive to contract either churn drilling or core drilling with due regard to the purpose which the drilling would accomplish, the plan proposed would provide for the drilling of the first hole in each of the sinks to cut the desired horizon. If this first hole entered hard limestone showing no mercury mineralization and which appeared to be the sink periphery for a distance of as much as 50 feet after having entered the sink fill, then such hole would be stopped, and a new hole started from a new location or possibly at a different angle in a further effort to explore the desired horizon, contingent upon advance written approval by the Field Team.

The total cost of churn drilling or core drilling for which authority to contract is requested at a price not to exceed $4.00 per foot of hole is not to exceed $14,000.00 and may comprise a total of 3,500 feet of hole or more if the Operator is able to contract the drilling at a lesser price per foot.

5. <u>Proposed Project No. 16</u>

It is proposed that the Operator be authorized to sink a shaft or shafts, aggregating a maximum of 250 feet, size 6' X 6', on

any significant mercury mineralization encountered in two or more adjacent drill holes sunk to explore any sink for which provision is made under Proposed Project No. 15 herein, and it is further proposed that authority be granted for driving an allowable maximum of 250 linear feet of 5' X 7' underground exploratory mine openings further to explore any significant mercury mineralization exposed in the sinking of such shaft or shafts.

Total proposed 6' X 8' shaft or shafts for which authorization is requested as a part of Proposed Project No. 16: 250 feet.

Total proposed underground exploratory mine openings, size 5' X 7' for which authorization is requested as a part of Proposed Project No. 16: 250 linear feet.

6. In addition to the previously described project work, it is proposed that authorization be granted for bulldozing roads and trails where needed for the drilling equipment to reach the desired locations from which exploratory drill holes are to be started to explore the sink areas previously described in Proposed Project No. 15, but altogether not to exceed the amount of work which can be completed by one bulldozer and operator in 7 eight-hour days.

RECAPITULATION

ESTIMATED ALLOWABLE WORK WHICH MAY BE PERFORMED

	Projects					
	3	13	14	15	16	Total
Underground Exploratory Mine Openings	315'	100'	60'		250'	725'
Surface Shafts					250'	250'
Surface Bulldozing						56 Hrs.
Exploratory Churn or Drill Holes				3,500'		3,500'

ESTIMATED COST OF PROPOSED EXPLORATION

(1) Independent Contracts:

Maximum of 3,500 feet of Churn or Core Drill Hole or the monetary equivalent to be contracted at a maximum of $4.00 per foot — $14,000.00

(2) Labor, Supervision, & Technical Services

Labor

4 Miners	184 Days	@ $ 12.00	8,832.00
2 Hoistment	184	12.00	4,416.00
9 Muckers	184	10.00	16,560.00
1 Cook	184	12.00	2,208.00
1 Truck Driver	184	12.00	2,208.00
Total Labor			$34,224.00

Supervision

1 Superintendent	8 Mos.	$600.00	$ 4,800.00
1 General Foreman	8	450.00	3,600.00
1 Master Mechanic	8	450.00	3,600.00
1 Timekeeper - Stock Clerk	8	200.00	2,000.00
Total Supervision			$14,000.00

Technical Services

Geologic and engineering consultation and mapping @ $100.00 per day estimated to average 2 days per month for 8 months

Total Technical Services — $ 1,600.00

ESTIMATED COST OF PROPOSED EXPLORATION

(3) Operating Materials and Supplies

Timber	$ 1,702.57
Explosive	3,062.00
Pipe	1,060.00
Track, Spikes, Fish Plates & Ties	380.00
Other Supplies	
Air and Water Hoses, Hose Couplings, Bits, Steel and Other Drilling Supplies	935.00
Shovels, Picks, Small Tools and Miscellaneous Items	650.00
Electrical Wiring, Fixtures, Etc.	550.00
Kitchen and Camp Replacement Utensils, Etc.	200.00
Fuel, Lubricants, Etc.	2,000.00
Total Operating Materials & Supplies	$10,539.57

(4)(B) Equipment to be Rented

1	Bulldozer	56 Hrs.	@ $ 12.50	$ 700.00
1	290 Cu. Ft. Stationary Air Compress, Sullivan W3, Angle Compound Powered by 50 h.p. Electric Motor with Standby JH4 Buda, Butane Engine	8 Mos.	250.00	2,000.00
1	Power Plant, 125 K.V.A.	8	400.00	3,200.00
1	" " 30 K.V.A.	8	120.00	960.00
2	Air Tugger Hoists	8	35.00	560.00
1	Jeep or Pickup	8	30.00	240.00
	Total Equipment to be Rented			$ 7,660.00

ESTIMATED COST OF PROPOSED EXPLORATION

(4) (C) Equipment to be Purchased

1 Truck, Cost $3,116.00, (2 Ton G.M.C. on Which Monthly Payments of $117.56 exclusive of Interest, $10.57, are being paid) Unpaid Balance Less Interest	$ 940.48
1 Pickup, Cost $1,960.37, (½ Ton Ford on Which Monthly Payments of $72.60 exclusive of Interest, $6.54, are being paid) Unpaid Balance Less Interest	580.80
Miscellaneous Items of Equipment Which May be purchased only upon obtaining written approval by the Field Team	500.00
Total Equipment to be Purchased	$2,021.28

(5) Rehabilitation and Repairs

Repair Buildings	$ 550.00
Total Rehabilitation and Repair	$ 550.00

(6) New Buildings, Improvements & Installations

Installation of Headframe, Swing Chute and Air Tugger Hoist at Project No. 12 Shaft	$ 800.00
Construction and Installation of Portable Ramp and Base for Electric Slusher Scraper to be Used in Underground Drifting	250.00
Total Improvements & Installations	$1,050.00

ESTIMATED COST OF PROPOSED EXPLORATION

(7) Miscellaneous

Repairs and Maintenance of Equipment, Owned or Rented		$ 550.00
Sampling and Analysis		375.00
Payroll Taxes - Social Security	1.5 %	723.42
Texas Unemployment Ins.	2.7)	
Federal " Tax	.3)	1,446.84
Truck Liability and Property Damage Ins.		175.96
Workmen's Compensation Ins.	9.09	4,385.93
Freight		500.00
Travel and Communication		400.00
Accounting	8 Mos. @ $100.00	800.00
Total Miscellaneous		$ 9,355.15

(8) Contingencies

Total Estimated Cost of Proposed Projects for Which Amendment is Requested	$95,000.00

Docket No. DMA-2202X
Contract No. Idm-E468
Exploration Project Contract

Amerimex Mining Company
Alpine, Texas
November 11, 1953

PROPOSED AMENDMENT NO. 3

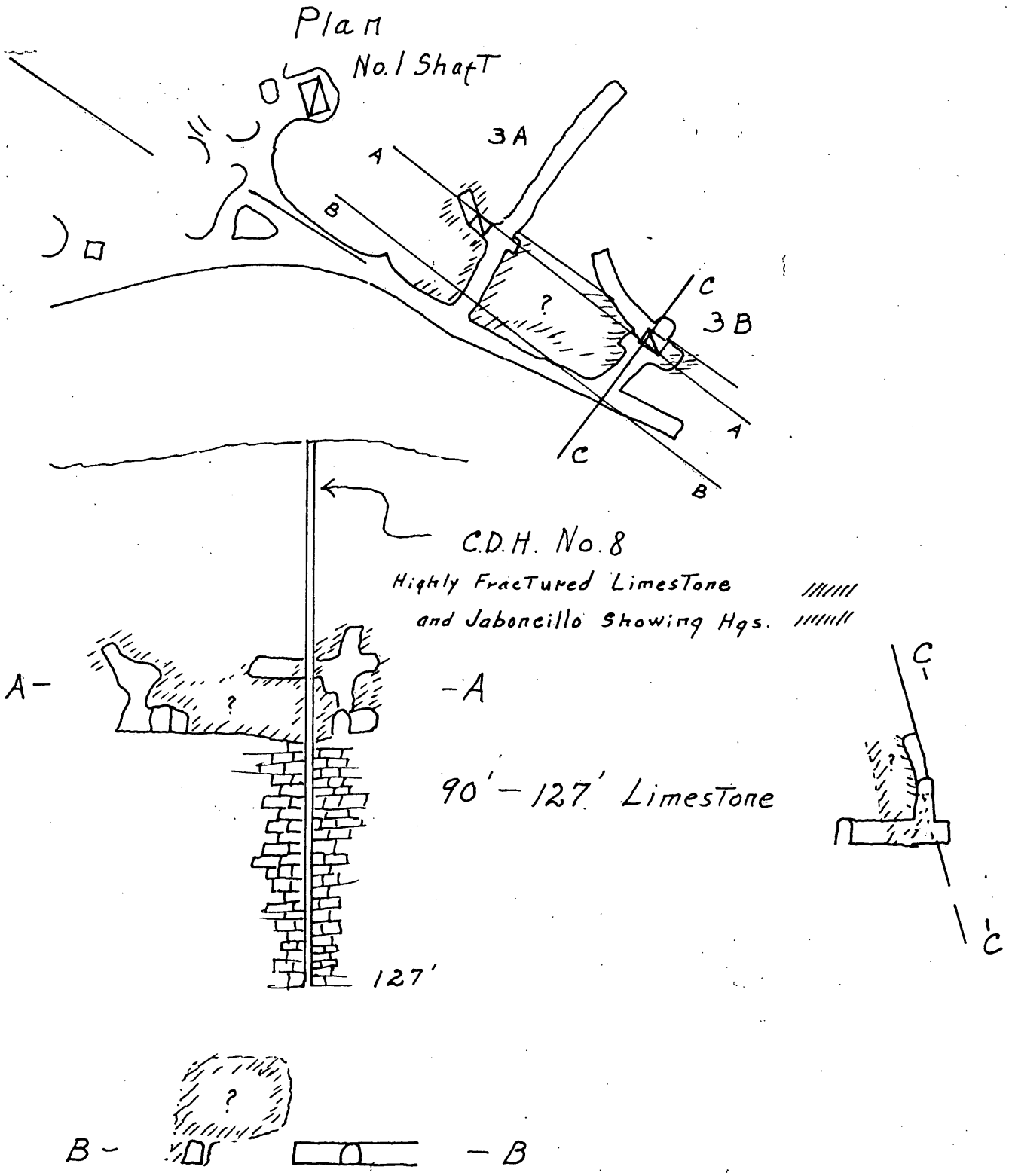
7. It is requested that Article 3 of the Contract form as amended by Amendment No. 2 be further amended by deleting 12 months and substituting 24 months to allow for completion of such part of the remaining work in Projects 6 and 12 as may be possible within the amount of money remaining unspent of the present contract total and to allow for completion of the additional exploration work for which amendment and increase in the estimated total cost of the project and in the aggregate total amount which the Government may be required to contribute.

It must be reiterated that the entire funds of the Operator have been spent except the Government reimbursement due for the Month of August operations, for the Government's share of installation payments and for essential standby expenses during the months of September, October and November and for such part as may be recovered or reclaimed of the $7,861.87 disallowances made on the interim audit and on the June and July Monthly Reports, and doubtlessly all recoverable funds will be required to meet outstanding commitments which were incurred before the Operator had any knowledge that such retractive disallowances could deprive him of funds already committed.

Therefore, it is believed that if an adequate amended exploration program is approved, a part of the stockholders of Amerimex Mining Company who presumably are able to do so or outside capital with whom negotiation are being carried on will provide the capital necessary to pay the Operator's share of the costs of the proposed projects.

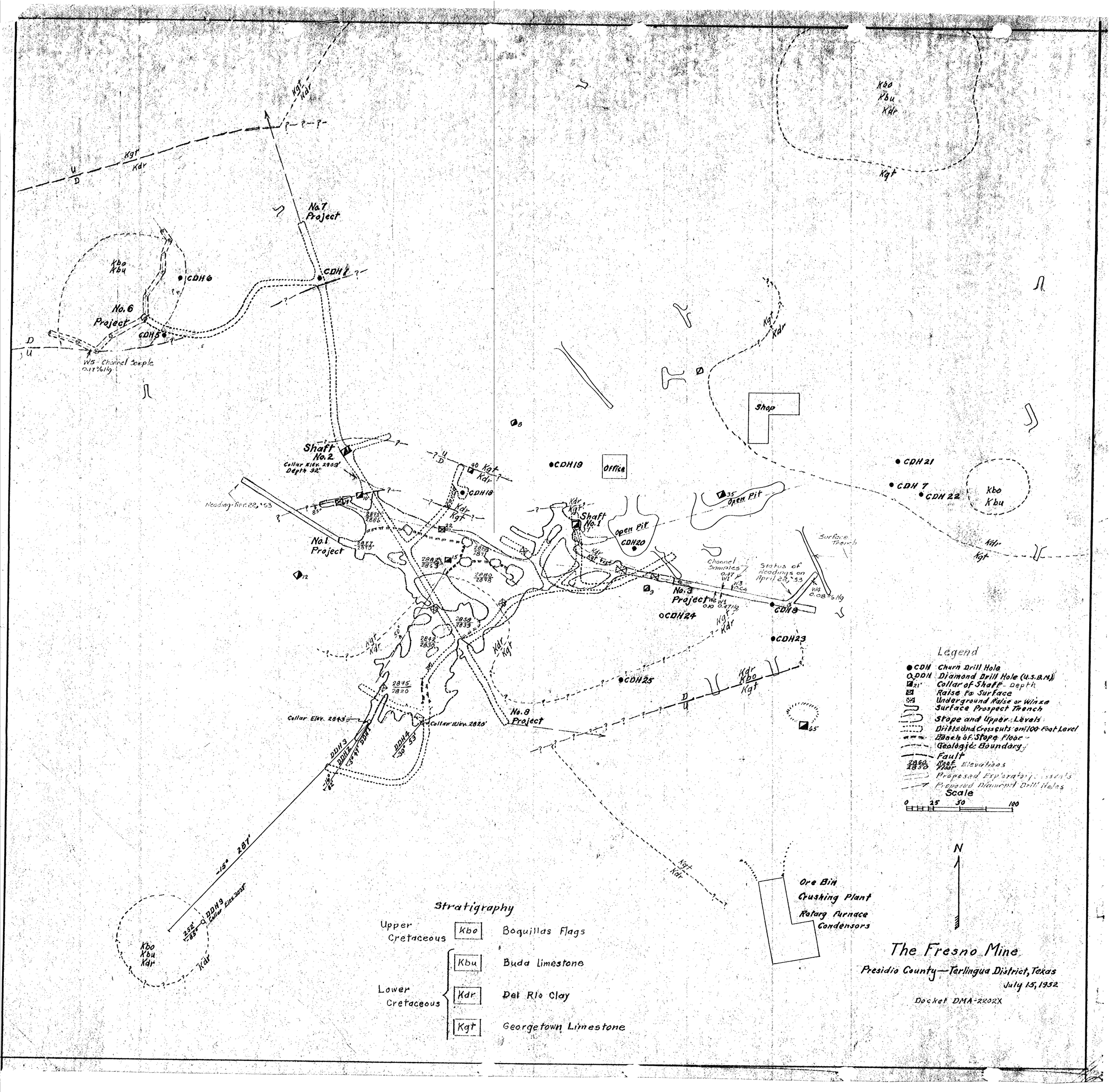
R. N. Pulliam
General Superintendent

Project No. 3 Sketch



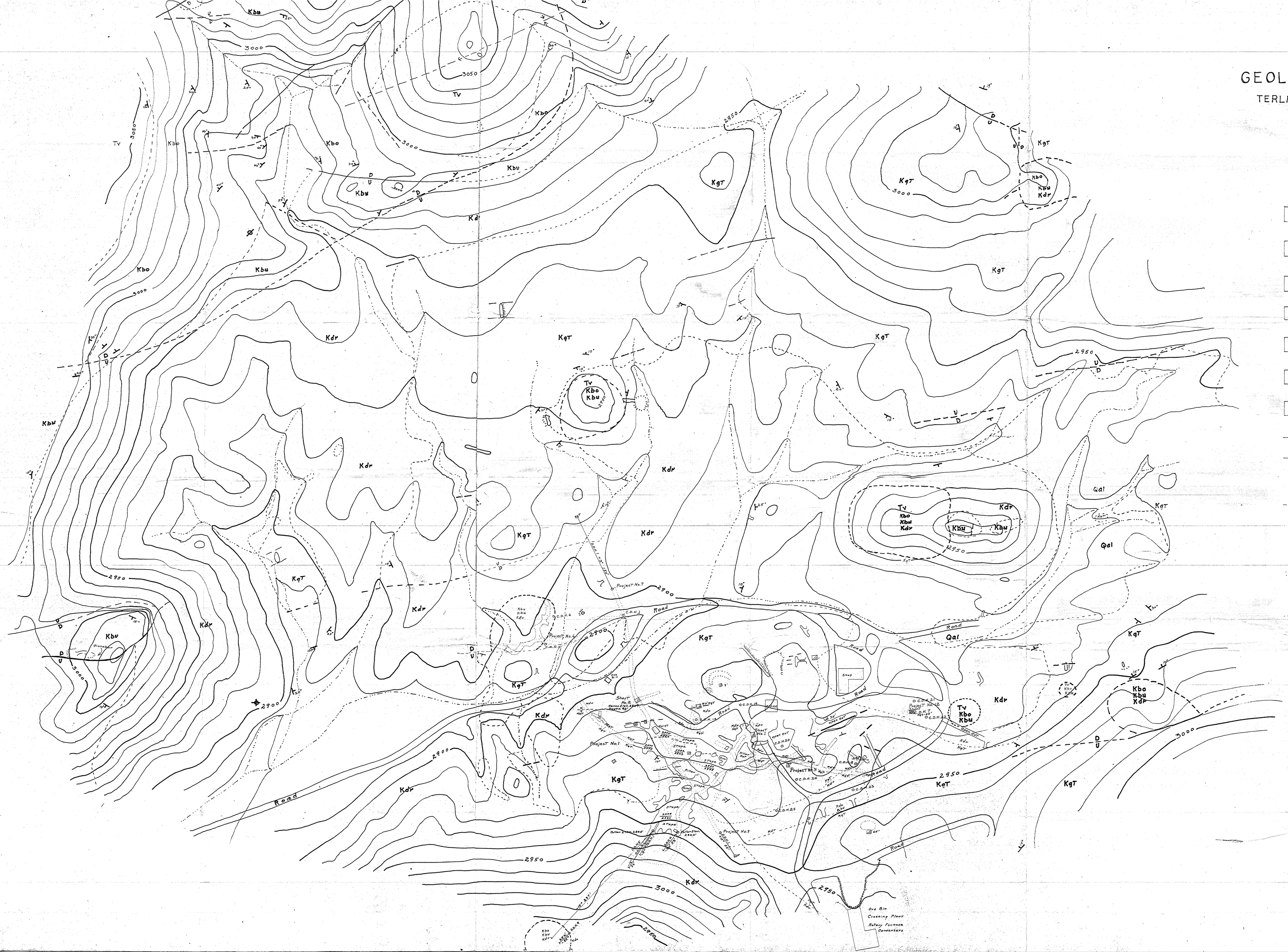
Docket DMEA-2202X
Contract Idm-E468

Amerimex Mining Co.
Alpine, Texas


Kgt
Kdr
U
D
No.7 Project
Kbo
Kbu
CDH6
CDH7
No.6 Project
CDH5
W5 - Channel Sample 0.17% Hg
Shaft No.2
Collar Elev. 2903'
Depth 92'
Heading-Apr. 22, '53
No.1 Project
CDH18
CDH19
Office
Shop
CDH21
CDH 7
CDH 22
Open Pit
Shaft No.1
Open Pit
CDH20
Channel Samples
Status of Headings on April 22, '53
Surface Trench
No.3 Project
CDH24
CDH8
CDH23
CDH25
No.8 Project
Collar Elev. 2843'
Collar Elev. 2820'
DDH3
DDH2
DDH1
DDH4
DDH9
Collar Elev. 3031'
287'
Ore Bin
Crushing Plant
Rotary Furnace
Condensors
Legend
CDH Churn Drill Hole
DDH Diamond Drill Hole (U.S.B.M.)
Collar of Shaft - Depth
Raise to Surface
Underground Raise or Winze
Surface Prospect Trench
Stope and Upper Levels
Drifts and Crosscuts on 100-Foot Level
Back of Stope Floor
Geologic Boundary
Fault
Roof Floor Elevations
Proposed Exploratory Crosscuts
Proposed Diamond Drill Holes
Scale
0 25 50 100
N
Stratigraphy
Upper Cretaceous
Kbo Boquillas Flags
Lower Cretaceous
Kbu Buda Limestone
Kdr Del Rio Clay
Kgt Georgetown Limestone
The Fresno Mine
Presidio County—Terlingua District, Texas
July 15, 1952
Docket DMA-2202X

GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS



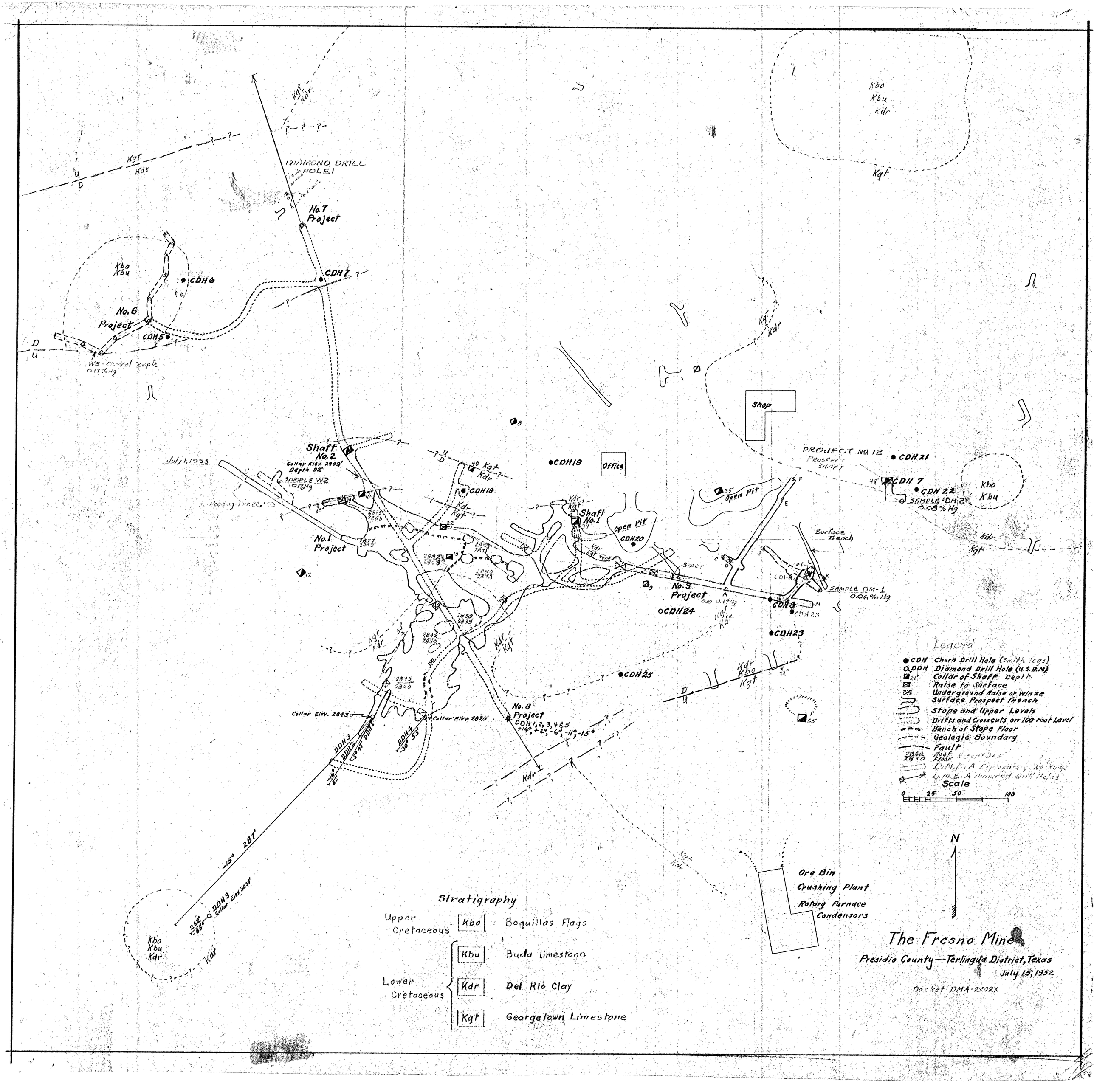
EXPLANATION

Qal	QUATERNARY alluvium
Tv	TERTIARY volcanics (tuff & lava)
Kbo	UPPER CRETACEOUS — Boquillas formation
Kbu	LOWER CRETACEOUS — BUDA limestone
Kdr	LOWER CRETACEOUS — Del Rio shale
KgT	LOWER CRETACEOUS — GeorgeTown limestone
Tv Kbo Kbu Kdr	Collapsed area (Sink)
U D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole

N

SCALE — 1 inch = 50 feet

Amerimex Mining Company
Box 624
Alpine, Texas
DOCKET No. DMA 2202 X Contract No. Idm-E468
April 30, 1953


DIAMOND DRILL HOLE 1
No. 7 Project
No. 6 Project
CDH 6
CDH 5
CDH 7
WS - Channel Sample 0.17% Hg
Shaft No. 2
Collar Elev. 2909'
Depth 92'
July 1, 1933
SAMPLE W2 0.11% Hg
No. 1 Project
CDH 19
CDH 18
Office
Shop
Shaft No. 1
Open Pit
CDH 20
No. 3 Project
CDH 24
CDH 8
CDH 23
CDH 25
PROJECT No. 12
Prospect Shaft
CDH 21
CDH 7
CDH 22
SAMPLE DM-2 0.08% Hg
Surface Trench
SAMPLE DM-1 0.06% Hg
No. 8 Project
DDH 1, 2, 3, 4 & 5
Collar Elev. 2843
Collar Elev. 2820'
DDH 3
DDH 2
DDH 1
DDH 4
DDH 9
Collar Elev. 2937
Ore Bin
Crushing Plant
Rotary Furnace
Condensors
Legend
CDH Churn Drill Hole (Smith logs)
DDH Diamond Drill Hole (U.S.B.M.)
Collar of Shaft - Depth
Raise to Surface
Underground Raise or Winze
Surface Prospect Trench
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Drifts and Crosscuts on 100-Foot Level
Bench of Stope Floor
Geologic Boundary
Fault
Roof
Floor
D.M.E.A. Exploratory Workings
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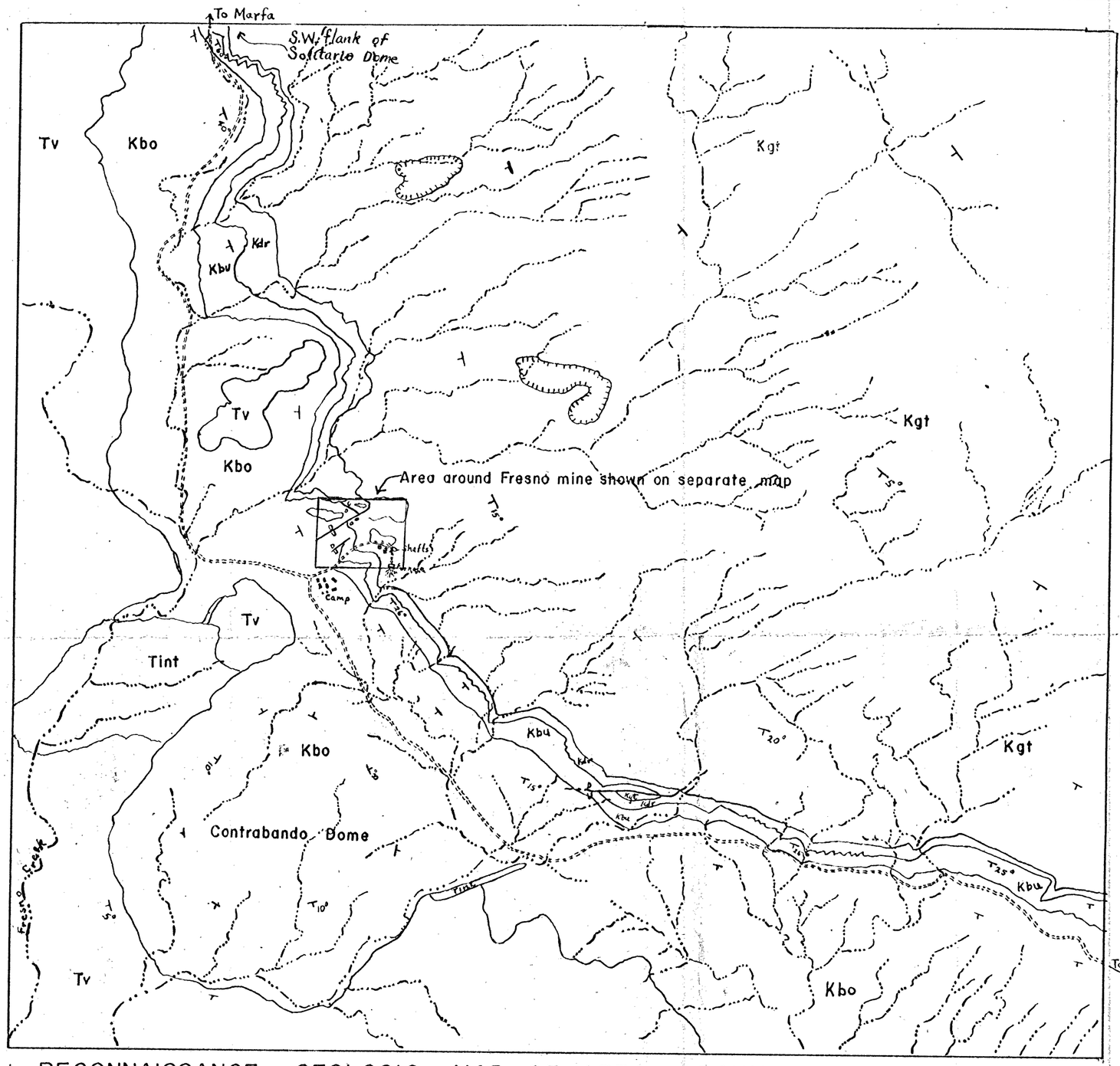
Upper Cretaceous
Kbo Boquillas Flags
Lower Cretaceous
Kbu Buda Limestone
Kdr Del Rio Clay
Kgt Georgetown Limestone
The Fresno Mine
Presidio County—Terlingua District, Texas
July 15, 1952
Docket DMA-2802X



N

LEGEND

Tint	Tertiary intrusive body
Tv	Tertiary volcanics
Kbo	U. Cretaceous— Boquillas
Kbu	L. Cretaceous— Buda
Kdr	L. Cretaceous— Del Rio
Kgt	L. Cretaceous— Georgetown
	Dip & Strike of beds
U/D	Normal fault
	Sink, Collapsed area containing Del Rio, Buda, etc.

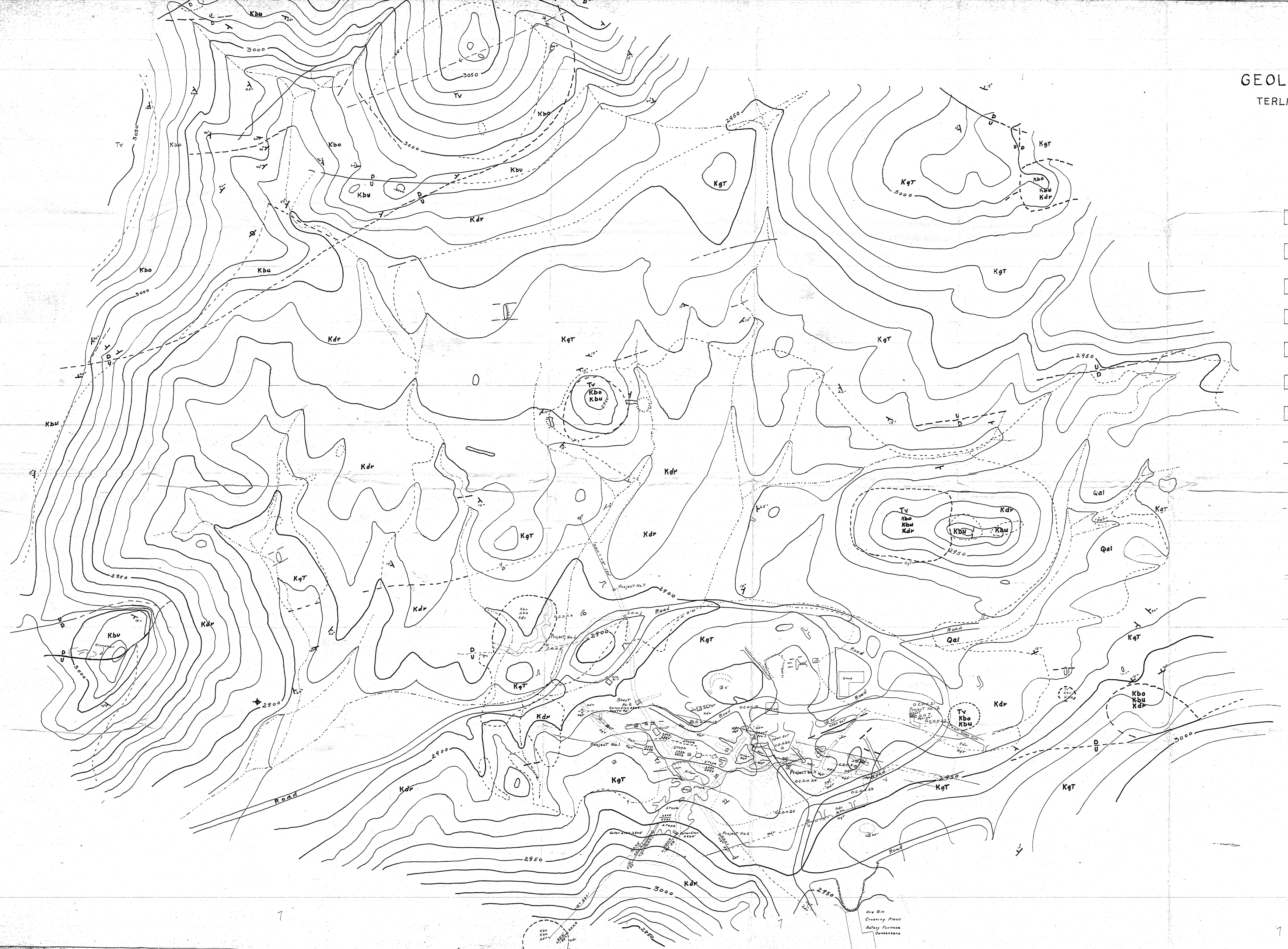
Amerimex Mining Co.
P. O. Box 626
Alpine, Texas

RECONNAISSANCE GEOLOGIC MAP OF AREA AROUND FRESNO MINE, TERLINGUA DISTRICT, TEXAS

Base from U.S.D.A. aerial photo.

SCALE— Approx. 1/25000

Prepared by W.N. McAnulty, July, 1951



GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS

EXPLANATION

Qal	QUATERNARY alluvium
Tv	TERTIARY volcanics (tuff & lava)
Kbo	UPPER CRETACEOUS— Boquillas formation
Kbu	LOWER CRETACEOUS— BUDA limestone
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KgT	LOWER CRETACEOUS— Georgetown limestone
Tv Kbo Kbu Kdr	Collapsed area (Sink)
U/D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole

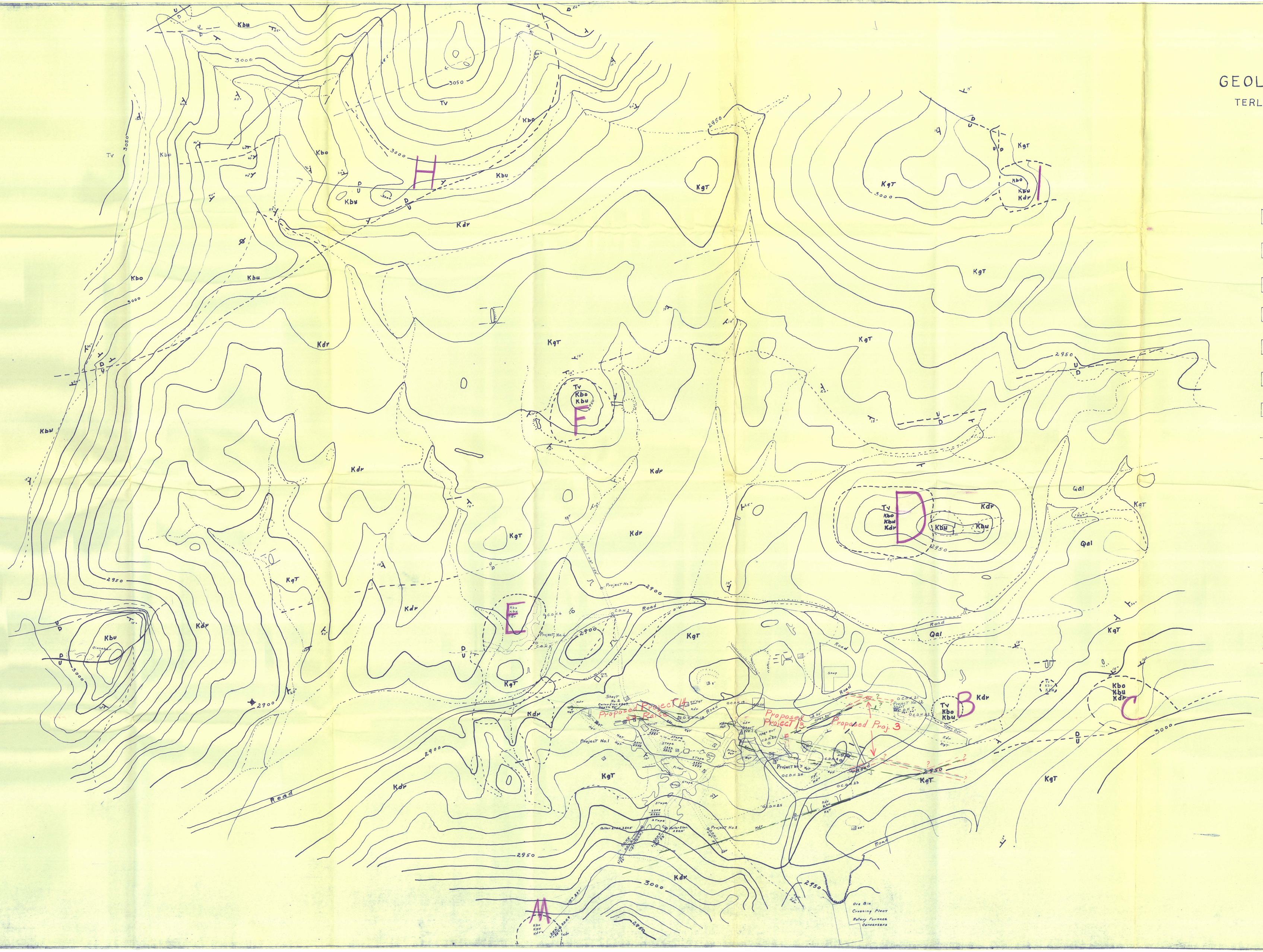
N

SCALE— 1 inch = 50 feet

Amerimex Mining Company
Box 626
Alpine, Texas
DOCKET No. DMA 2202 X CONTRACT No. Idm-E-468
April 30, 1953

GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS



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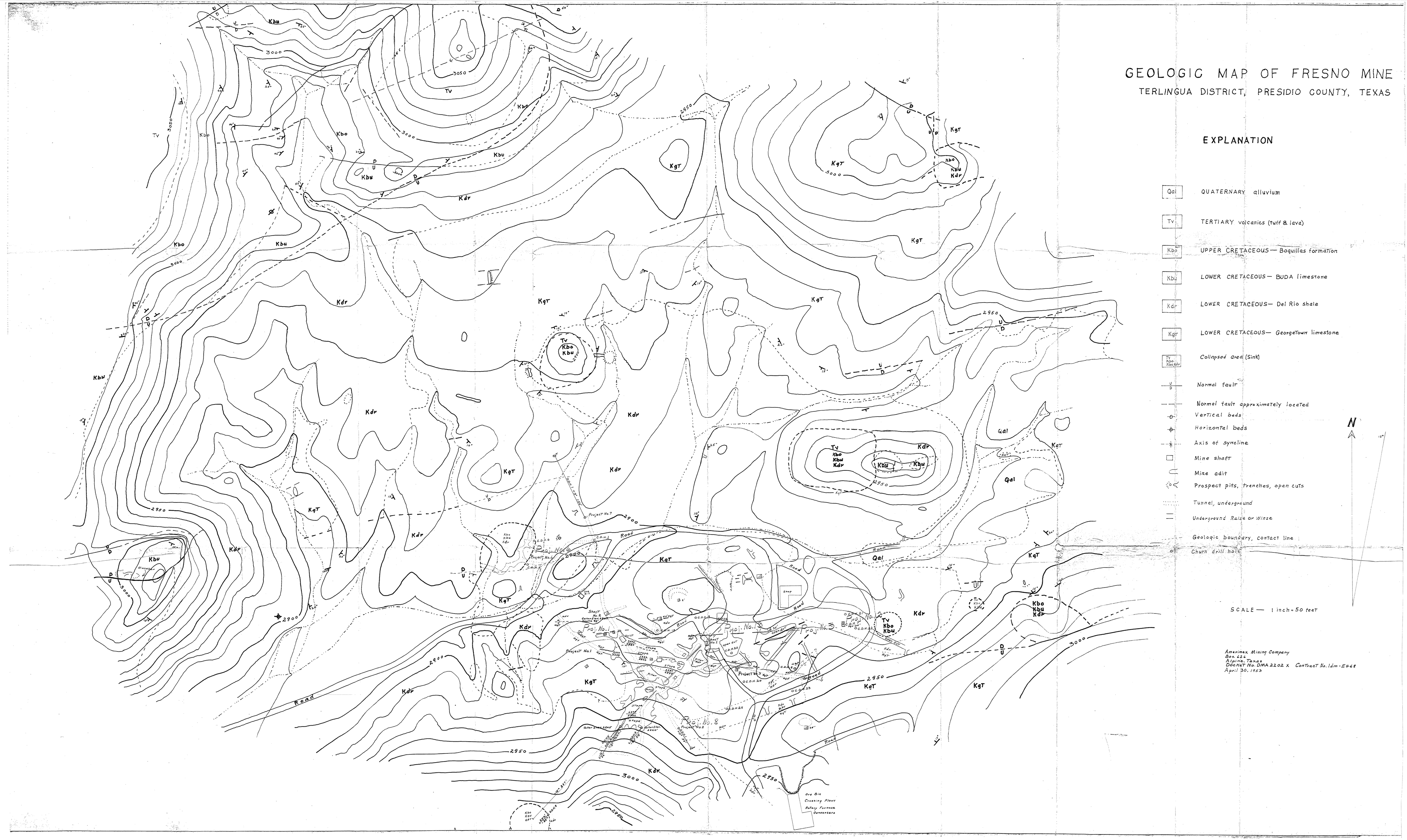
Tv Kbo Kbu Kdr	Collapsed area (Sink)
U/D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of Syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole
	Discernible Fault + Fault Projections
B ETC.	Sinks - Proposed Projects 15 & 16
	Projected Underground Work

N

SCALE — 1 inch = 50 feet

Amerimex Mining Company
Box 624
Alpine, Texas
Docket No. DMA 2202 X Contract No. Idm-E468
April 30, 1953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TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS
EXPLANATION
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Tv TERTIARY volcanics (tuff & lava)
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Kbu LOWER CRETACEOUS— BUDA limestone
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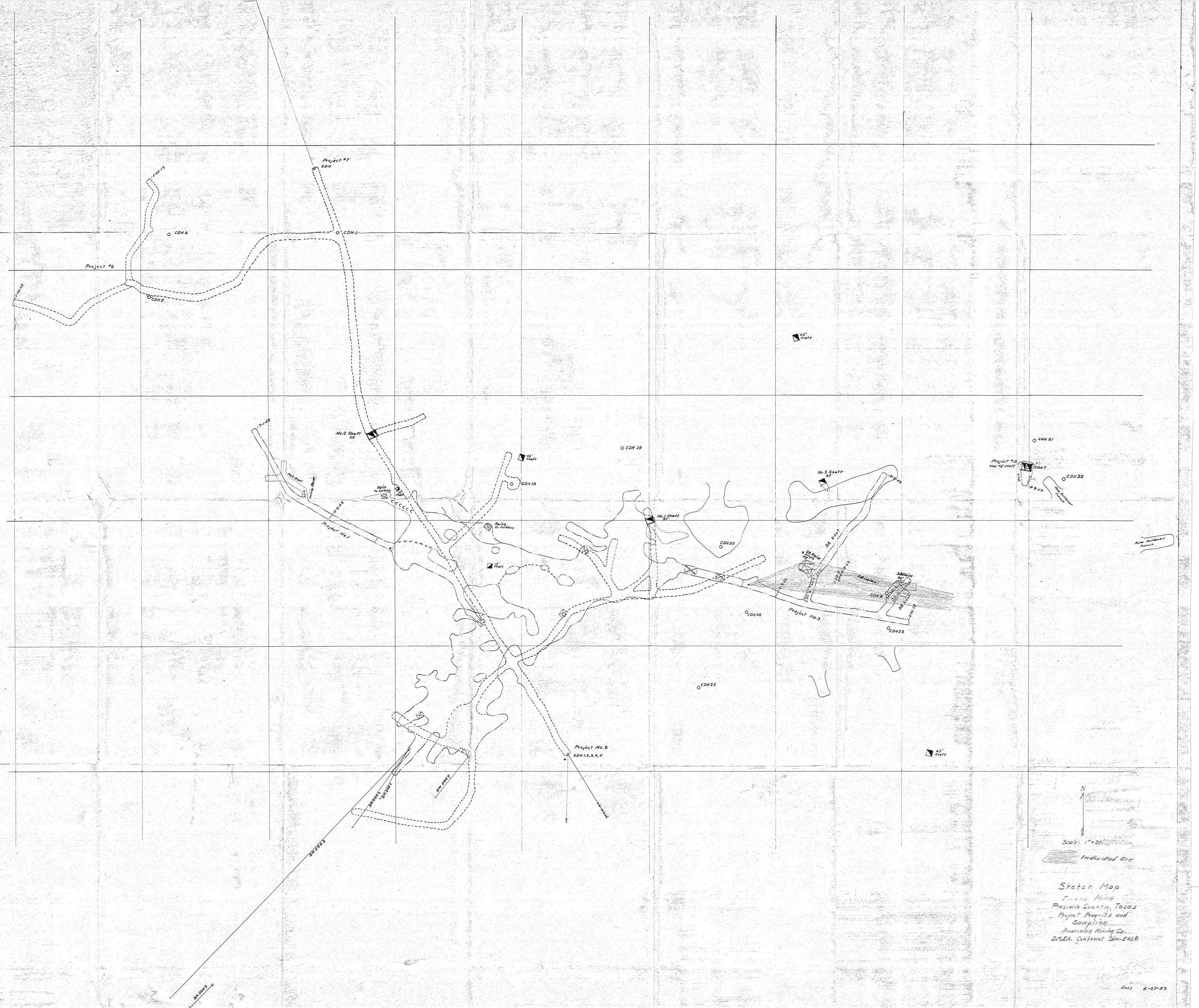
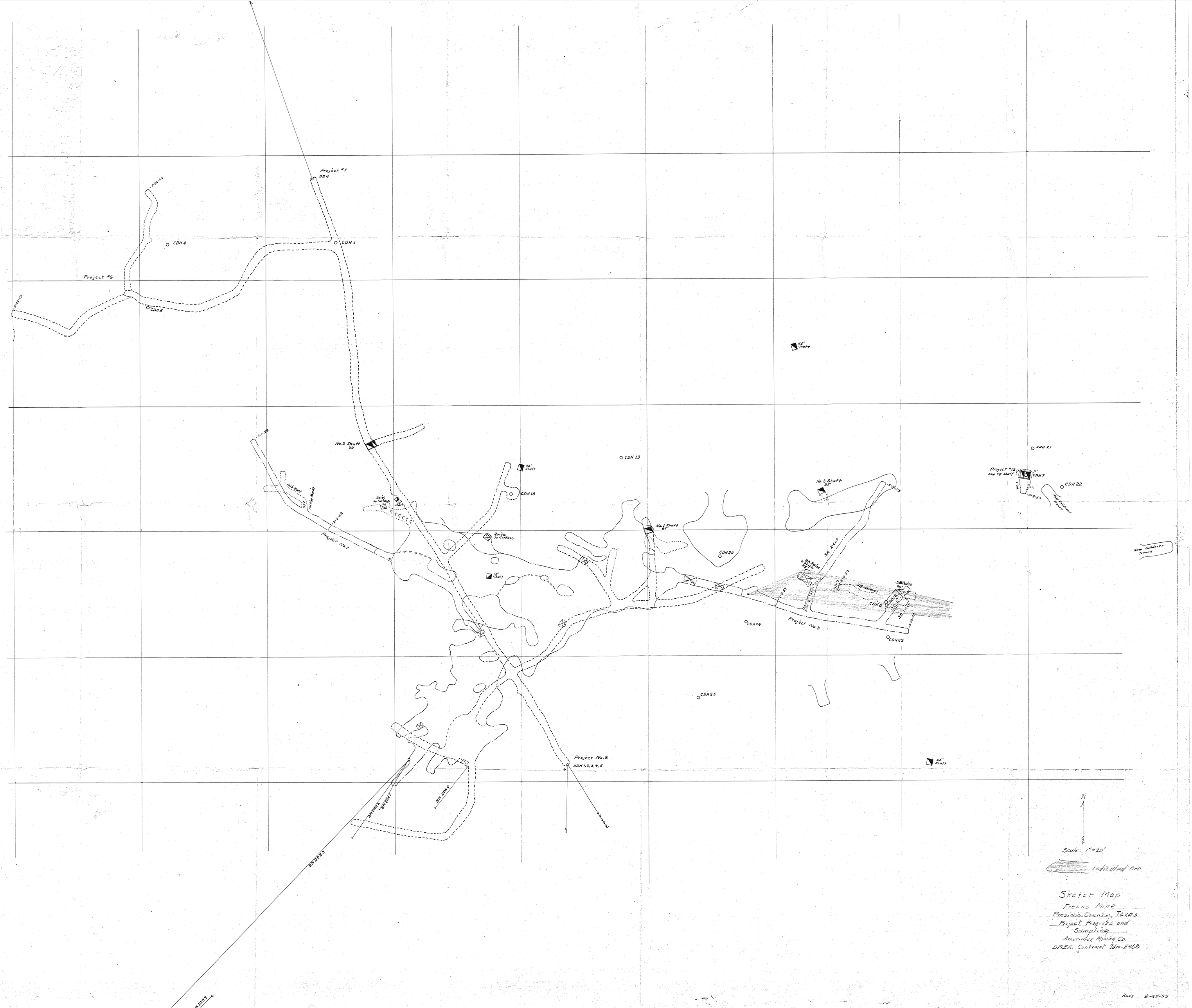
Tv Kbo Kbu Kdr Collapsed area (Sink)
U D Normal fault
Normal fault approximately located
Vertical beds
Horizontal beds
Axis of syncline
Mine shaft
Mine adit
Prospect pits, trenches, open cuts
Tunnel, underground
Underground Raise or Winze
Geologic boundary, contact line
Churn drill hole
N
SCALE — 1 inch = 50 feet
Amerimax Mining Company
Box 624
Alpine, Texas
DGGNST No. DMA 2202 X Contract No. Idm-E468
April 30, 1953
Pit No. 1
Pit No. 2
Pit No. 3
Pit No. 8
Project No. 1
Project No. 2
Project No. 3
Project No. 7
Project No. 8
Road
Ore Bin
Crushing Plant
Rotary Furnace
Condensers
3050
3000
2950
2900



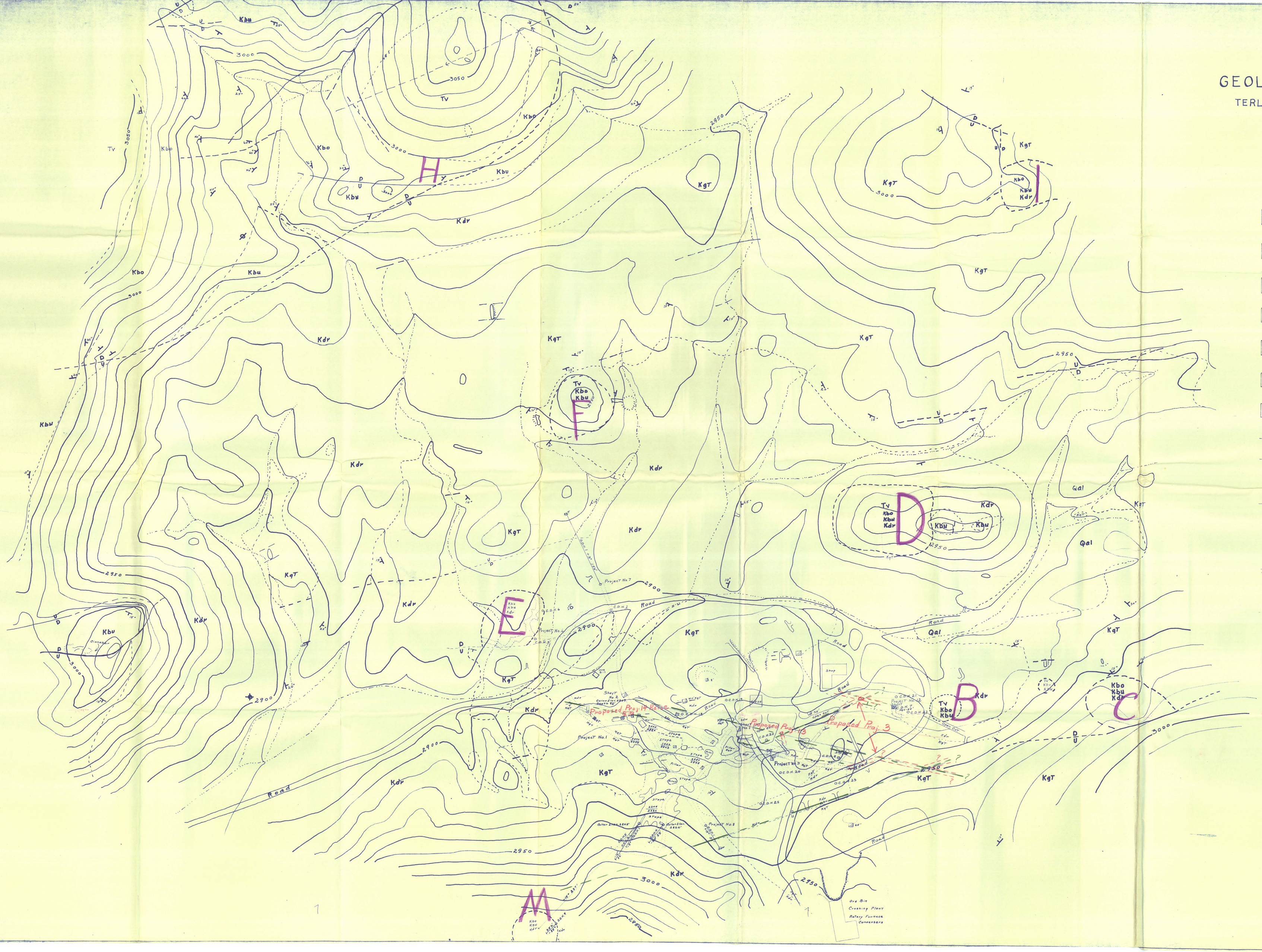
Sketch Map
Fresno Mine
Presidio County, Texas
Project Progress and Sampling
Amstrinex Mining Co.
D.M.E.A. Contract Idm-E46E

Knox 8-27-53


Project #7
DDH
CDH 1
CDH 6
Project #6
CDH 5
No. 2 Shaft
32'
CDH 19
CDH 18
No. 1 Shaft
37'
CDH 20
No. 3 Shaft
35'
CDH 21
CDH 7
CDH 22
New Guidaner Trench
CDH 8
CDH 24
CDH 23
CDH 25
Project No. 3
Project No. 1
Project No. 8
DDH 1, 2, 3, 4, 5
3A DDH 3
3A DDH 2
3A DDH 1
3A DDH 4
N
Scale: 1" = 20'
Indicated Ore
Sketch Map
Fresno Mine
Presidio County, Texas
Project Progress and
Sampling
Amerimex Mining Co.
D.M.E.A. Contract Idm-E468
Knox 8-27-53

GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS



EXPLANATION

Qal	QUATERNARY alluvium
Tv	TERTIARY volcanics (tuff & lava)
Kbo	UPPER CRETACEOUS — Boquillas formation
Kbu	LOWER CRETACEOUS — BUDA limestone
Kdr	LOWER CRETACEOUS — Del Rio shale
KgT	LOWER CRETACEOUS — GeorgeTown limestone
Tv Kbo Kbu Kdr	Collapsed area (Sink)
U D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole

N

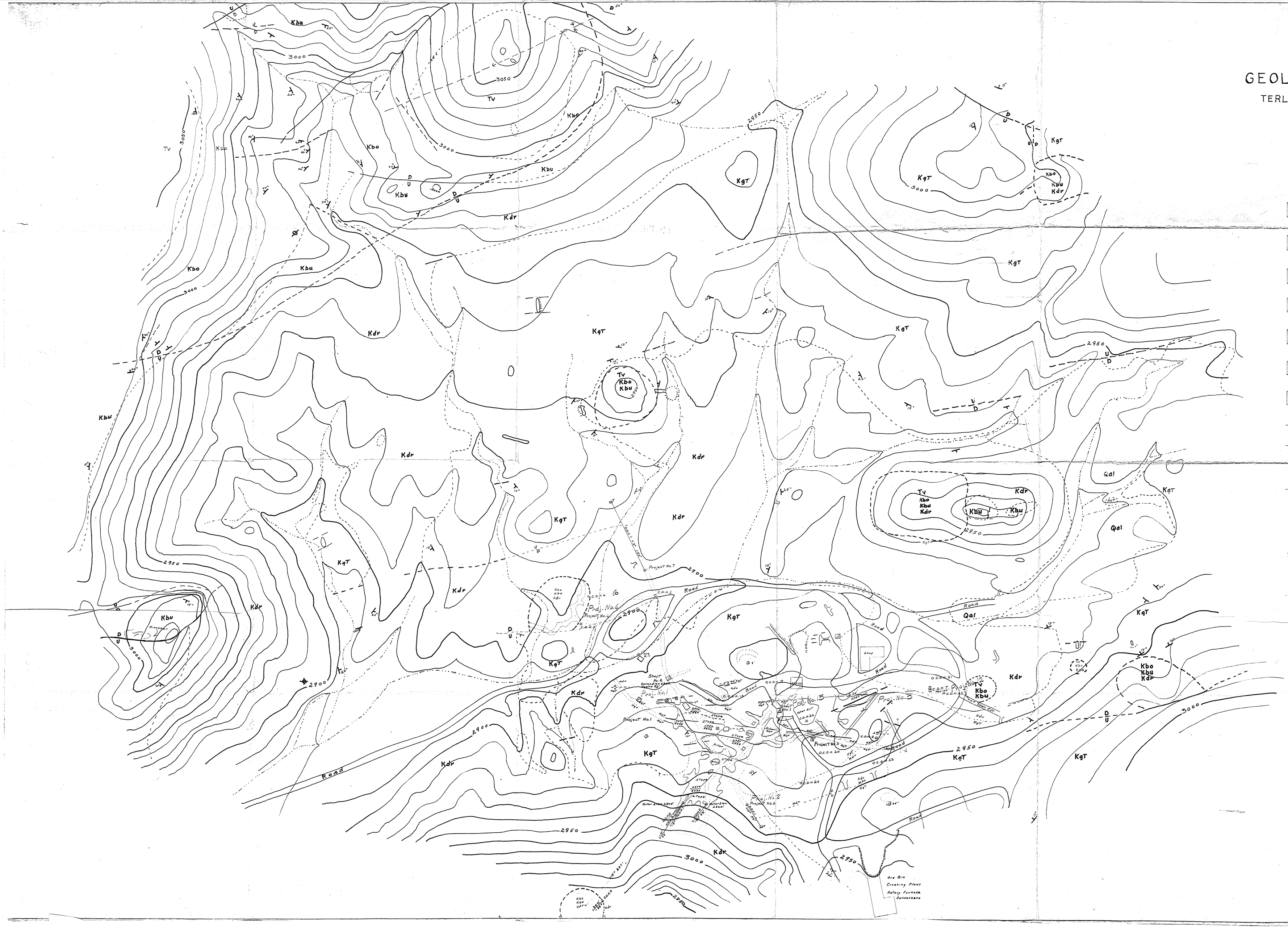
SCALE — 1 inch = 50 feet

Amerimex Mining Company
Box 624
Alpine, Texas
DOCKET No. DMA 2202 X CONTRACT No. Idm-E468
April 30, 1953

Sink
Breccia Filled Collapse
Churn drill hole No. 2
Churn drill hole No. 5
Sample No. 661
Sample No. 662
Shaft No. 2
Elev. 5798
Depth 92.5
Elev. at Station 5816.5
Sample No. 1
Raise to Surface from Stope
Jacobs Prospect pit
Wide Fault Zone
Surface Prospect Shaft
Churn drill hole No. 18
Screened over Derrick Raise
Stope
Pillar
Shaft No. 1
Elev. 5787
Sample No. 4
Sample No. 2
Sample No. 1
Sample No. 3B
Churn drill hole No. 19
Churn drill hole No. 21
Churn drill hole No. 7
Churn drill hole No. 22
Churn drill hole No. 24
Churn drill hole No. 25
Churn drill hole No. 23
Shaft No. 3
open pit
Fresno Mine
Terlingua District
Presidio County, Texas
Scale 1" = 20'
Tertiary - Chisos Volcanics - TV
Upper Cretaceous - Boquillas Flags - Kbu
Buda Limestone - Kbu
Cretaceous
Del Rio Clay - Kdr
Georgetown Limestone - Kgt
Breccia Pipe or Sink - Kds, Kbu, Kdr
Normal Fault
Normal Fault Approximately Located
Axis of Syncline
Mine Shafts
Raise
Winze
Underground Workings (on Levels) Below Stopes
Churn Drill Holes
Proposed Drifts & Cross Cuts
Proposed Diamond Drill Stations and Holes
Mercury Mineralization
American Mining Company
DMEA 2202 X
Idm - E468

GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS



EXPLANATION

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Tv Kbo Kbu Kdr	Collapsed area (Sink)
U/D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole

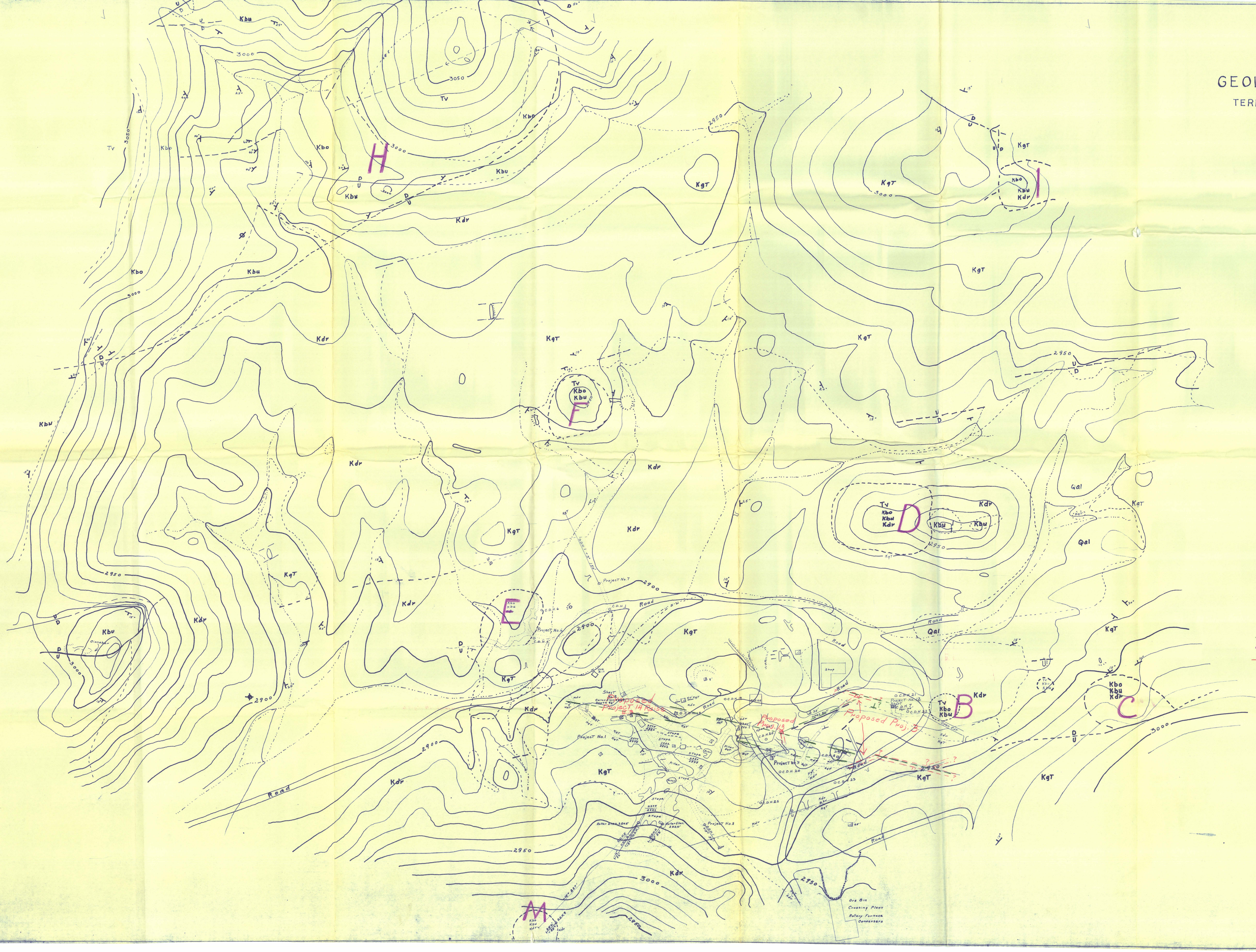
N

SCALE — 1 inch = 50 feet

Americex Mining Company
Box 624
Alpine, Texas
Docket No. DMA 2202 X Contract No. Idm-E-468
April 30, 1953

GEOLOGIC MAP OF FRESNO MINE

TERLINGUA DISTRICT, PRESIDIO COUNTY, TEXAS



EXPLANATION

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U D	Normal fault
	Normal fault approximately located
	Vertical beds
	Horizontal beds
	Axis of syncline
	Mine shaft
	Mine adit
	Prospect pits, trenches, open cuts
	Tunnel, underground
	Underground Raise or Winze
	Geologic boundary, contact line
	Churn drill hole
	Discernible Fault & Fault Projections
B ETC.	Sinks - Proposed Projects 15 & 16
	Projected Underground Work

N

SCALE — 1 inch = 50 feet

Amerimex Mining Company
Box 622
Alpine, Texas
Docket No. DMA 2202 X Contract No. Idm-E468
April 30, 1953

FRESNO MINE
SCALE 1"=20'
JULY 10, 1956
COMPOSITE BY
D.S. CARTER
DMEA Adit Work All Levels
TM.C. 40' Level
TM.C. 100' Level
DMA.2202X
Contract Idm #68
N
FURNACE
SHOP
DUDA CLIFF
DMEA Poly. No.1
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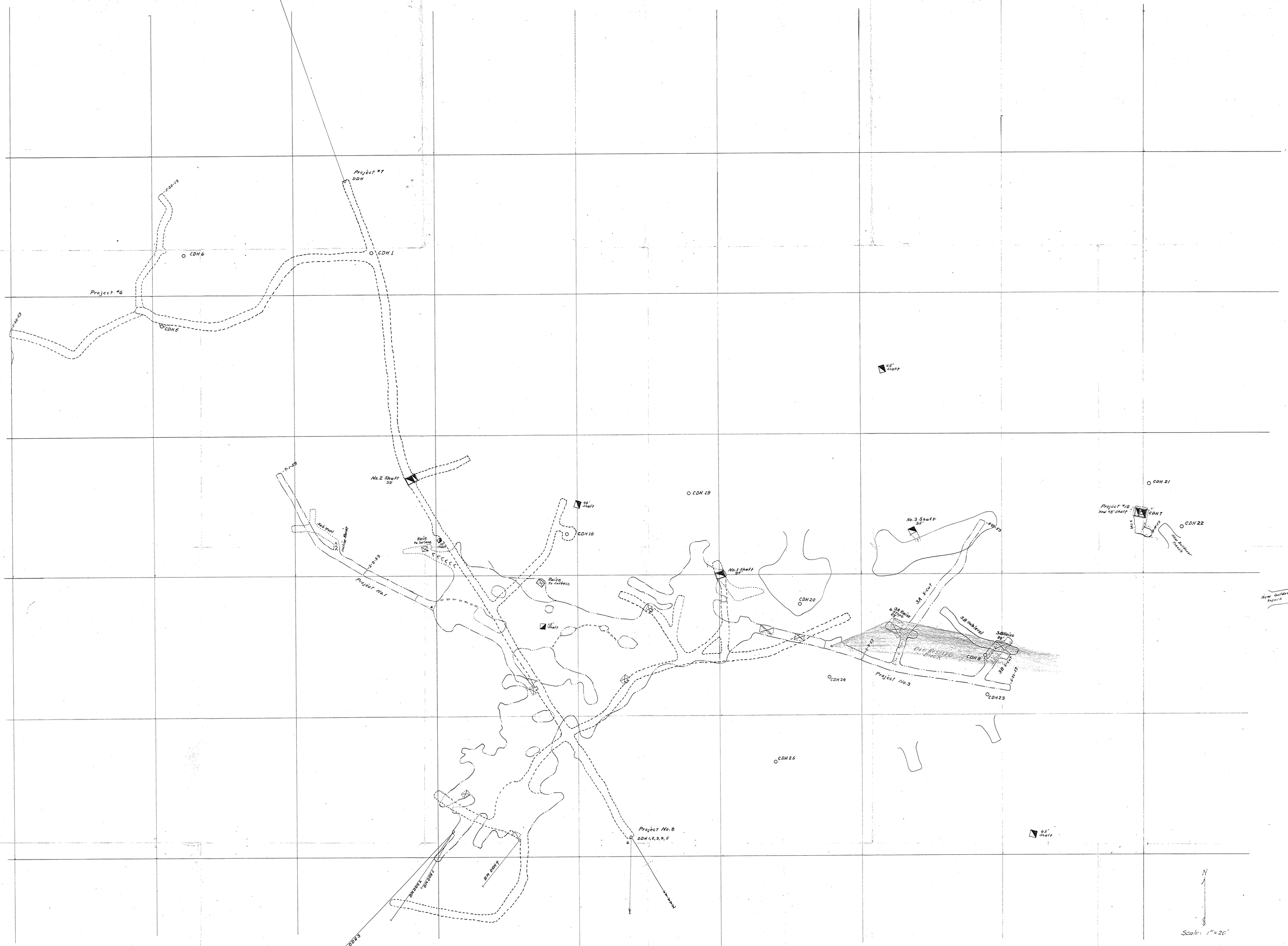
Sketch Map
Fresno Mine
Presidio County, Texas
Project Prospecting and Sampling
Americex Mining Co.
Project Contract Tdm-E48
Docket DMA-2202X (mercury)

Kurz 8-27-53



Sketch Map
Fresno Mine
Presidio County, Texas
Project Progress and
Sampling
Amerimex Mining Co.
Project Contract Hm-E468
Docket DMA-2202X (Mercury)

Hunt 8-27-53
(Submitted with J.T. final report)
(Dec 8, 1953)