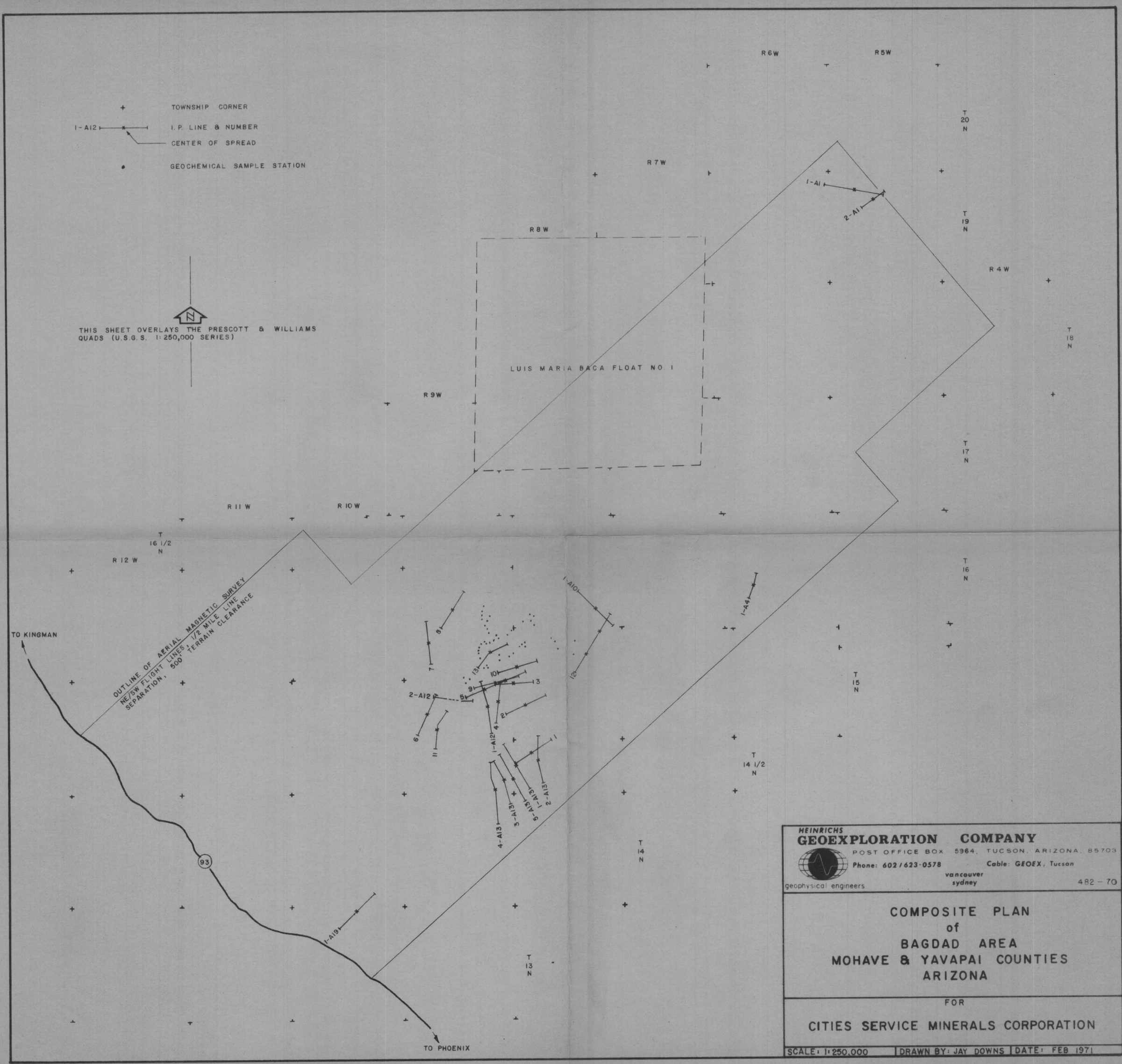


HEINRICHS
GEOEXPLORATION COMPANY
POST OFFICE BOX 5964, TUCSON, ARIZONA, 85703
Phone: 602/623-0578 Cable: GEOEX, Tucson
geophysical engineers
vancouver
sydney
482 – 70

COMPOSITE PLAN of BAGDAD AREA MOHAVE & YAVAPAI COUNTIES ARIZONA

FOR

CITIES SERVICE MINERALS CORPORATION

SCALE: 1:250,000 | DRAWN BY: JAY DOWNS | DATE: FEB 1971

(Rough) Aerial Mag Plan & Location of Ground Mag Cov

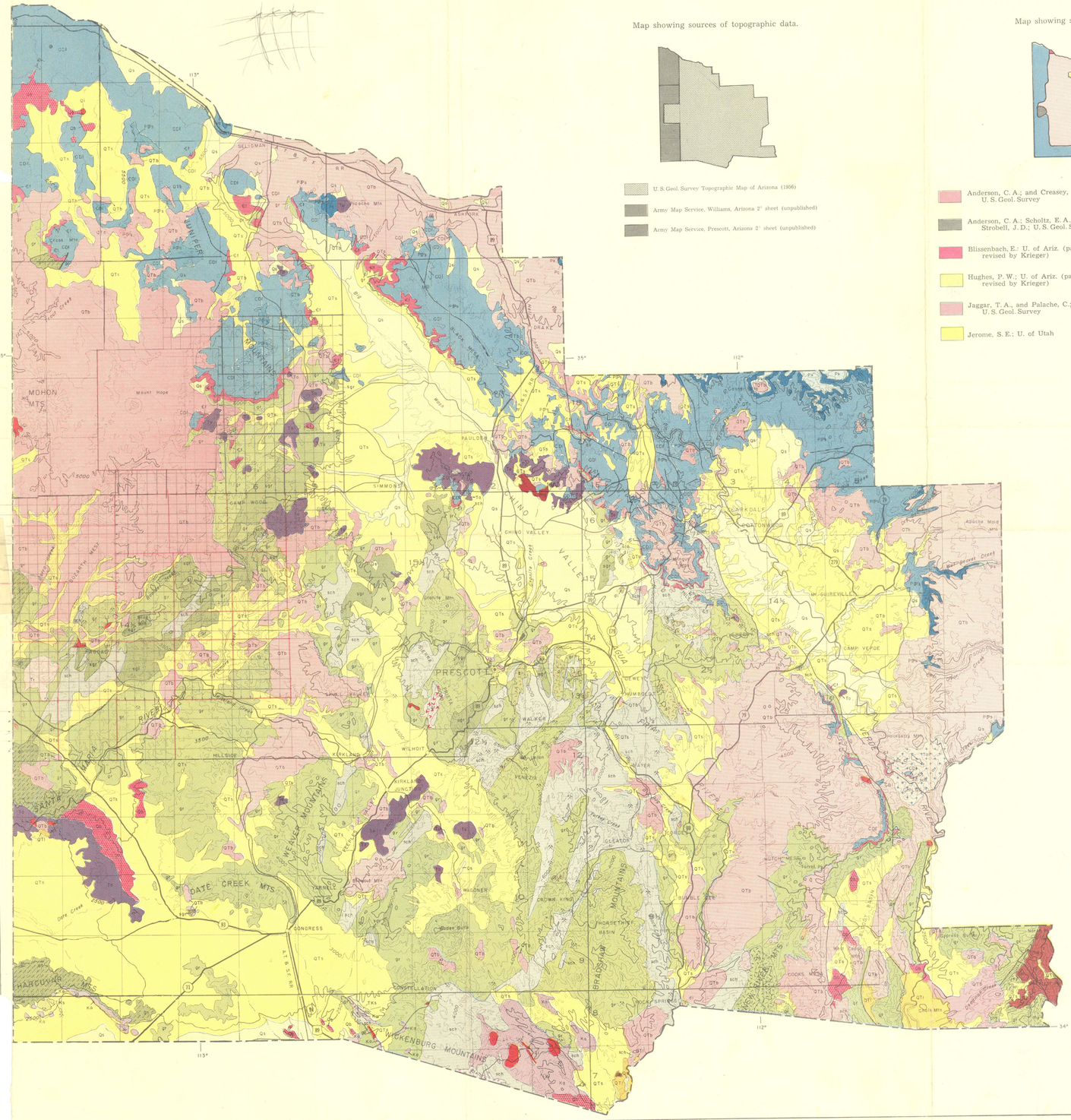
Yavapai County
UNIVERSITY OF ARIZONA
ARIZONA BUREAU OF MINES
J. D. FORRESTER, DIRECTOR

From the desk of -
E. GROVER HEINRICHS

GEOLOGIC MAP OF YAVAPAI COUNTY, ARIZONA

PREPARED BY THE

ARIZONA BUREAU OF MINES
UNIVERSITY OF ARIZONA
TUCSON, ARIZONA


SELIGMAN
PEACHEL MTS
ASHFORK
JUNIPER
MOHON MTS
Mount Hope
DRAKE
BLACK MESA
PAULDEN
SIMMONS
CAMP WOOD
CHINO VALLEY
DARKDALE
CLARKDALE
COTTONWOOD
Apache Mtns
MT GURIEVILLE
CAMP VERDE
PRESCOTT
HUMBOLDT
WALKER
WILHOIT
KIRKLAND
MILLSIDE
VENEZIA
SKULL VALLEY
WEAVER
CROWN KING
HORSETHIEF BASIN
BRADSHAW MOUNTAINS
DATE CREEK MTS
JOHNSON
CONSTELLATION
ROCK SPRINGS
WICKENBURG MOUNTAINS
HARQUAHALA MTS
Chain Mtn
Cookes Mtns
Cookes Mtns
Apache Basin
Cottonwood Creek
Wet Cottonwood Creek
Dry Cottonwood Creek
Date Creek
Bill Williams River
Santa Maria River
Hassayampa River
Agua Fria River
Verde River
Big Bug Creek
Granite Mtn
Mount Tritle
Mount Wilson
Mount Tritle
Mount Wilson
Mount Tritle
Mount Wilson

GEOLOGIC MAP
OF
MOHAVE COUNTY, ARIZONA

PREPARED BY THE

ARIZONA BUREAU OF MINES
UNIVERSITY OF ARIZONA
TUCSON, ARIZONA

BY

Eldred D. Wilson and Richard T. Moore with additional data from maps by F. L. Ransome, C. Longwell, S. G. Lasky and B. N. Webber, and M. G. Dings and P. K. Sims, U.S. Geological Survey

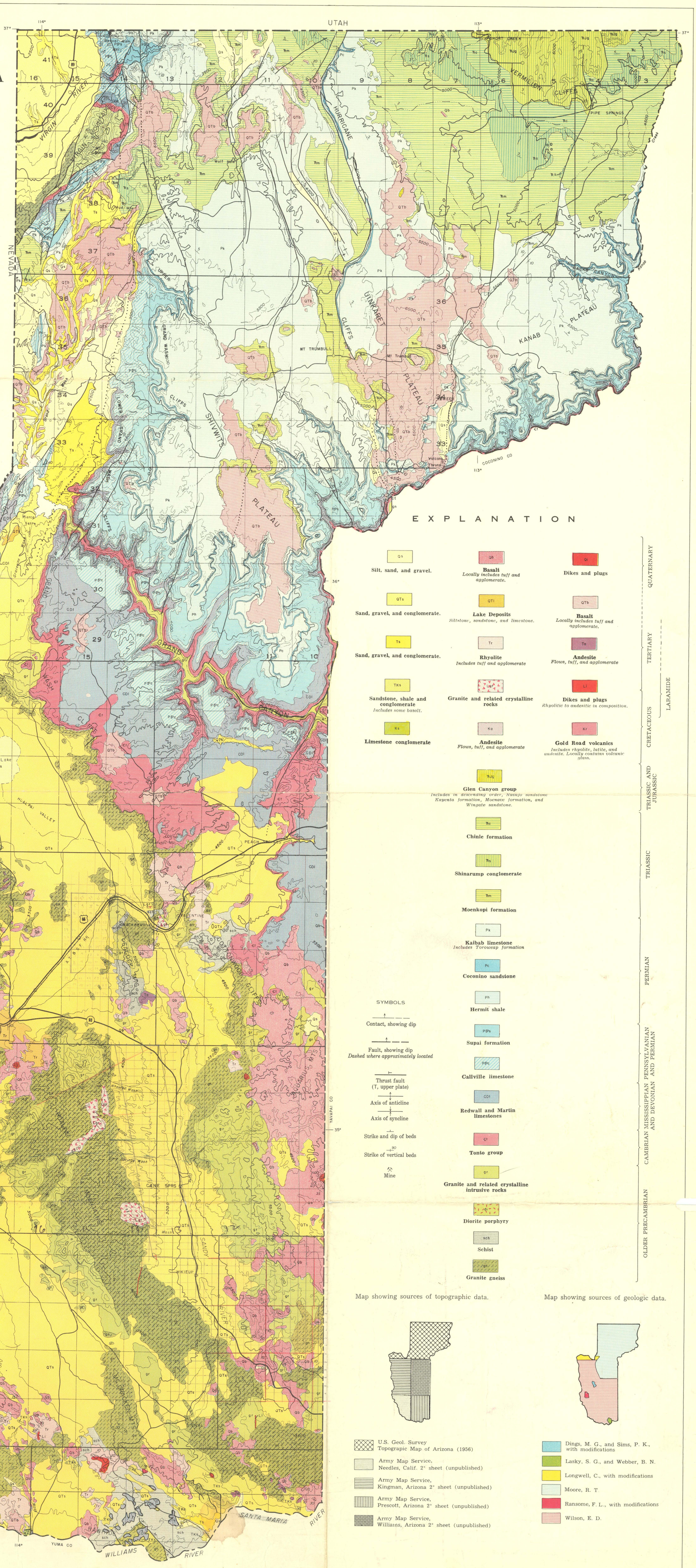
Scale $\frac{1}{375,000}$

10 0 10 20 Miles

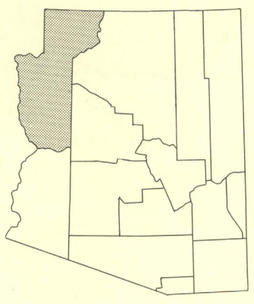
10 0 10 20 30 Kilometers

Contour interval 500 feet
datum is mean sea level

1959



INDEX MAP OF ARIZONA
Showing Location of Mohave County.



Map showing sources of topographic data.

U.S. Geol. Survey
Topograpic Map of Arizona (1956)

Army Map Service,
Needles, Calif. 2° sheet (unpublished)

Army Map Service,
Kingman, Arizona 2° sheet (unpublished)

Army Map Service,
Prescott, Arizona 2° sheet (unpublished)

Army Map Service,
Williams, Arizona 2° sheet (unpublished)

Map showing sources of geologic data.

Dings, M. G., and Sims, P. K., with modifications

Lasky, S. G., and Webber, B. N.

Longwell, C., with modifications

Moore, R. T

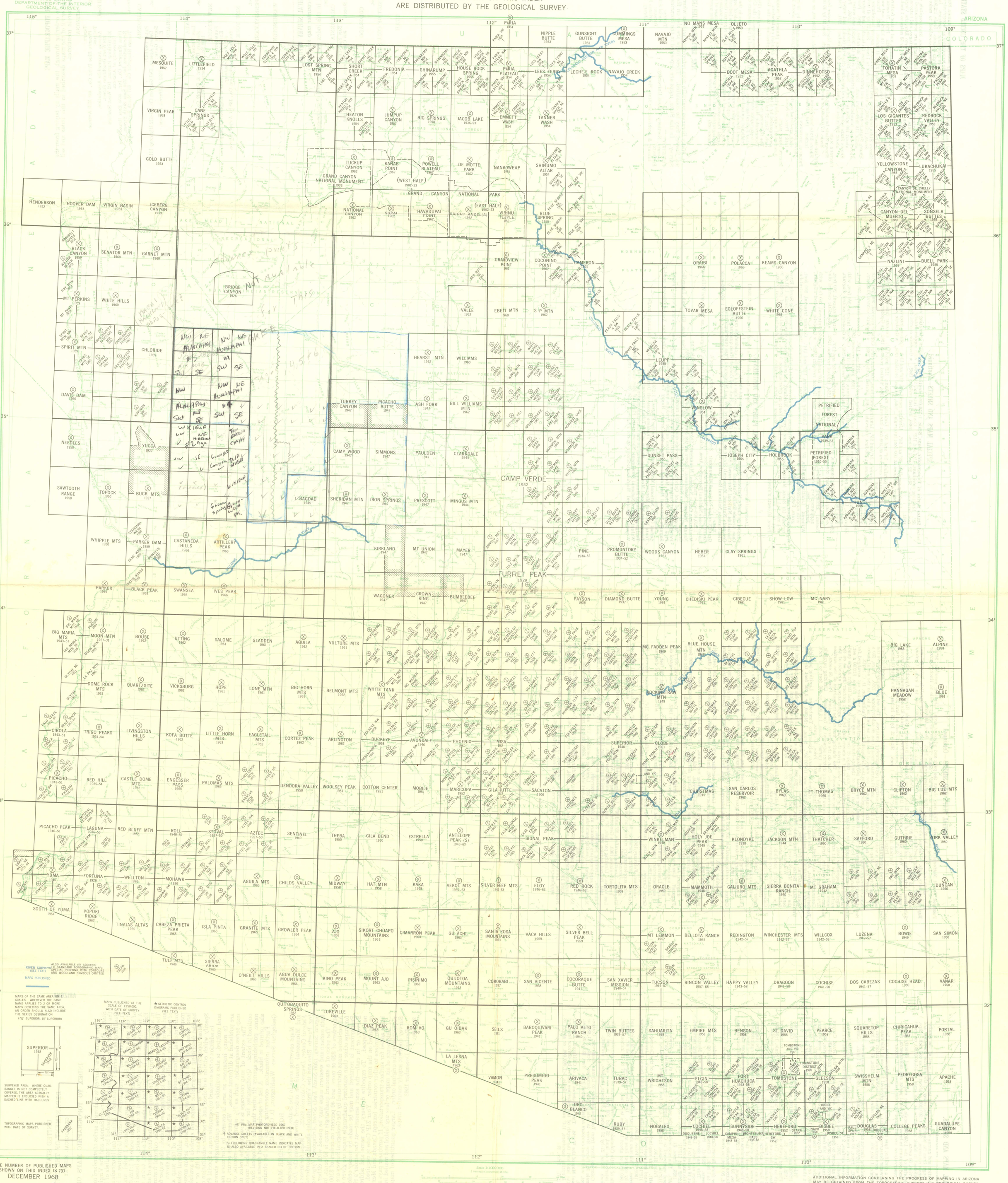
Ransome, F. L., with modifications

Wilson, E. D.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

INDEX TO TOPOGRAPHIC MAPS OF ARIZONA
ORDER MAPS BY NAMES PRINTED IN BLACK AND BY SERIES DESIGNATION

ALL MAPS SHOWN ON THIS INDEX ARE DISTRIBUTED BY THE GEOLOGICAL SURVEY



THE NUMBER OF PUBLISHED MAPS SHOWN ON THIS INDEX IS 797
DECEMBER 1968

ADDITIONAL INFORMATION CONCERNING THE PROGRESS OF MAPPING IN ARIZONA MAY BE OBTAINED FROM THE TOPOGRAPHIC DIVISION, U.S. GEOLOGICAL SURVEY, 345 MIDDLEFIELD ROAD, MENLO PARK, CALIFORNIA, 94025, OR THE MAP INFORMATION OFFICE, U.S. GEOLOGICAL SURVEY, WASHINGTON, D.C., 20242.

DEALERS FOR TOPOGRAPHIC MAPS

Purchasers may save delay incident to ordering through the mails by buying from the following dealers, who carry in stock some or all of the maps described in this index and sell them at prices usually in advance of rates herein mentioned.

ARIZONA

FLAGSTAFF:
NAU Bookstore, Northern Arizona University.

PHOENIX:
Ace Photo Copy Service, Inc., 124 W. McDowell Road.
Arizona Automobile Association, 748 East McDowell Road.
Arizona Blue Print Co., 333 North 3rd. Avenue.
High Adventure Headquarters, 3216 E. Camelback Road.
Phoenix Blueprint Co., 4141 North Seventh Street.

TEMPE:
Phoenix Blue Print Co., 408 Mill Avenue

TUCSON:
Arizona Automobile Association, 228 West Drachman Street.
Multilithing Bureau, 102 West Stadium University of Arizona.
Pima Blueprint Co., Inc., 4655 East Broadway.
Reproductions Inc., 234 East Sixth Street.
Tucson Blueprint Co., 537 North Sixth Avenue.

CALIFORNIA

LOS ANGELES:
California Map Center, 1100 South Hope Street.
Westwide Maps Co., 114 West Third Street.

PALM DESERT:
Desert Agents, Del Gagnon Co., 73-612 Highway 111.

SOUTH GATE:
E. R. Jacobsen, 9322 California Avenue.

COLORADO

MONTROSE:
Burton Map Service, Post Office Bldg.

NEVADA

BOULDER CITY:
Mead-Mohave Association, 601 Nevada Avenue.

LAS VEGAS:
Mercury Blueprint & Supply Co., 1600 So. Commerce Street.

NEW MEXICO

ALBUQUERQUE:
Holman's, 401 Wyoming Boulevard, NE.

FARMINGTON:
Excelsior Reproductions & Engineering Supplies, 412 West Broadway.
San Juan Reproduction Co., 135 N. Airport Drive.

NEW YORK

NEW YORK CITY:
International Map Co., Inc., 140 Liberty Street.

PENNSYLVANIA

PHILADELPHIA:
J. L. Smith Co., 27 South Eighteenth Street.

WASHINGTON

SEATTLE:
Max Kuner Co., 1324 Second Avenue.

GEOLOGICAL SURVEY OFFICES
(over-the-counter map sales only)

Some or all of the maps described in this index may be purchased over-the-counter only at the following Geological Survey offices:

CALIFORNIA

LOS ANGELES:
Room 7638 Federal Bldg., 300 N. Los Angeles Street.

MENLO PARK:
345 Middlefield Road.

SAN FRANCISCO:
504 Custom House, 555 Battery Street.

COLORADO

DENVER:
Room 1021, Federal Building, 1961 Stout Street.

DISTRICT OF COLUMBIA

WASHINGTON:
1028 GSA Bldg., 19th & F Streets, NW.

UTAH

SALT LAKE CITY:
8102 Federal Bldg., 125 South State Street.

ARIZONA

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ARIZONA

INDEX TO TOPOGRAPHIC MAPS OF ARIZONA

The Geological Survey is making a series of standard topographic maps to cover the United States, Puerto Rico, Guam, American Samoa, and the Virgin Islands. Under the plan adopted, the unit of survey is a quadrangle bounded by parallels of latitude and meridians of longitude. Quadrangles covering 7½ minutes of latitude and longitude are published at the scale of 1:24,000 (1 inch=2,000 feet). Quadrangles covering 15 minutes of latitude and longitude are published at the scale of 1:62,500 (1 inch=approximately 1 mile), and quadrangles covering 30 minutes of latitude and longitude are published at the scale of 1:125,000 (1 inch=approximately 2 miles). A few special maps are published at other scales, as listed in this index under special headings. Each quadrangle is designated by the name of a city, town, or prominent natural feature within it, and on the margins of the map are printed the names of adjoining published quadrangle maps. The maps are printed in three colors. The cultural features, such as roads, railroads, cities, and towns, as well as the lettering, are in black; the water features are in blue; and the features of relief, such as hills, mountains, and valleys, are shown by brown contour lines. The contour interval differs according to the scale of the map and the relief of the country. On maps that contain supplemental information additional colors are used, such as green for woodland areas and red for highway classification, urban areas, and United States land lines. A booklet describing topographic maps and symbols is available free upon request.

Most topographic maps are available either with or without green woodland overprint. Specify which edition is desired and whether substitution of the other edition is acceptable.

In addition to the standard topographic map, a Special Printing with both contours and woodland omitted, is also available for those quadrangles shown on the index with the symbol ⊗.

In many instances, an area is covered by 2 or more maps which carry the same name, but are published at different scales. Wherever this occurs, the map order should also include the map series designation, such as 7½-minute, 15-minute, or 30-minute series.

The extent of map coverage is shown on the index map, on which the mapped areas are outlined in black. Quadrangles for which published maps are available have the quadrangle name, publishing agency (if other than the Geological Survey), and the date or dates of survey also printed in black. A list of special maps and sheets is given on the following pages.

Further information concerning maps may be obtained from the Map Information Office, Geological Survey, Washington, D. C. 20242.

HOW TO ORDER MAPS

Maps covering areas in the States west of the Mississippi River (including all of Louisiana and Minnesota) should be ordered directly from the *Distribution Section, Geological Survey, Federal Center, Denver, Colorado 80225.* Maps for areas east of the Mississippi River (including Puerto Rico and the Virgin Islands) should be ordered from the *Distribution Section, Geological Survey, 1200 South Eads Street, Arlington, Virginia 22202.* A single order combining both eastern and western maps may be placed with either office.

The price of a standard quadrangle map is 50 cents, but a discount of 20 percent is allowed on orders of $20 or more, and 40 percent on orders of $100 or more, based on the retail price. All published maps distributed by the Geological Survey are subject to the discount rates. Prices for maps other than standard quadrangle maps are given on the following pages of this text. Prepayment is required and may be made by money order or check, payable to the Geological Survey, or in cash—the exact amount—at the sender's risk. Postage stamps or coupons are not accepted. To expedite delivery, the name and address of the purchaser should be typed or printed on the map order. Your ZIP Code is required.

On orders to other countries (except Canada and Mexico) a surcharge of 25 percent of net bill is added for surface transportation. If purchaser pays airmail costs, the surcharge is waived.

Shipments of six maps or less are folded and mailed in envelopes unless unfolded copies are requested in the original order. Larger quantities of maps are sent unfolded. The Geological Survey does not supply mounted maps.

Revised December 1968

20-10,000

SPECIAL MAPS AND SHEETS

(Supplementary to the topographic map series)

Arizona (Slater). This map shows counties, location names of all cities and towns and most of the smaller settlements, railroads, and navigable streams in Arizona. Scale 1:1,000,000 or about 15 miles to 1 inch. Size 28 by 36 inches. Price, $1. Also published in black and white at the same scale of 1:1,000,000 or about 16 miles to 1 inch. Size 24 by 28 inches. Price, $1.

Arizona (Topographic). This map is an overprint of the 1:5,000,000-scale map described above. Scale 1:5,000,000 or about 80 miles to 1 inch. Size 28 by 36 inches. Price, 50 cents.

Arizona Blueprint. This map shows boundaries and names for counties, Indian reservations, national forests, and Indian reservations are indicated by color patterns. Contour interval 200 feet. Size 42 by 46 inches. Price, $1.50.

Arizona (Relief). This map is a reproduced or a modified base map which shows only county names and boundaries. Size 42 by 46 inches. Price, $1.50.

Arizona Water Resources. This map shows the major features in (in blue), the physical features of (in brown), and the water features (in black) of Arizona. Scale 1:1,500,000 or about 24 miles to 1 inch. Size 28 by 36 inches. Price, $1.

Arizona Water Resources. This map shows the major features in (in blue), the physical features of (in brown), and the water features (in black) of Arizona. Scale 1:5,000,000 or about 80 miles to 1 inch. Size 28 by 36 inches. Price, 50 cents.

Bisbee and vicinity, Ariz. This map shows the mining district adjacent to Bisbee. Contour interval 200 feet. Size 27 by 27 inches. Price, $1.

Black Canyon, Ariz. Plan and profile of Black Canyon (Coal Creek mouth to Bill Williams River). Scale 1:24,000. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Blaze Canyon, Ariz. This map shows the area adjacent to Spencer Canyon on the east and part of Jack Canyon on the west. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Bright Angel, Ariz. This map shows part of the Grand Canyon, including Bright Angel Canyon, Roaring Springs, and the Colorado River. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Bright Angel, Ariz. This map shows part of the Grand Canyon, including Bright Angel Canyon, the area covered by the Bright Angel quadrangle is given on the back or on the map. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Bright Angel, Ariz. Also published in 4-sheet relief edition. Price, either contour or relief edition, 50 cents.

Camp Verde, Ariz. This map shows the Montezuma Well area. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Cedar City, Utah-Ariz. This map shows part of the Kanab Creek area. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Cedar Mesa, Ariz. This map shows the Mountain area. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Cedar City, Utah-Ariz. This map shows part of the Kanab Creek area. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Chinle, Ariz. This map shows part of the Navajo Indian Reservation. Contour interval 200 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River. Plan and profile of Colorado River from Lake Mead to Imperial Dam. Scale 1:62,500 (1 inch=approximately 1 mile). Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. Plan and profile of Colorado River from Imperial Dam to Mexican boundary. Scale 1:62,500 (1 inch=approximately 1 mile). Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Parker area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Blythe area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Ehrenberg area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Cibola area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Yuma area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Laguna Dam area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Pilot Knob area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Mesa area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Topock area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Needles area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

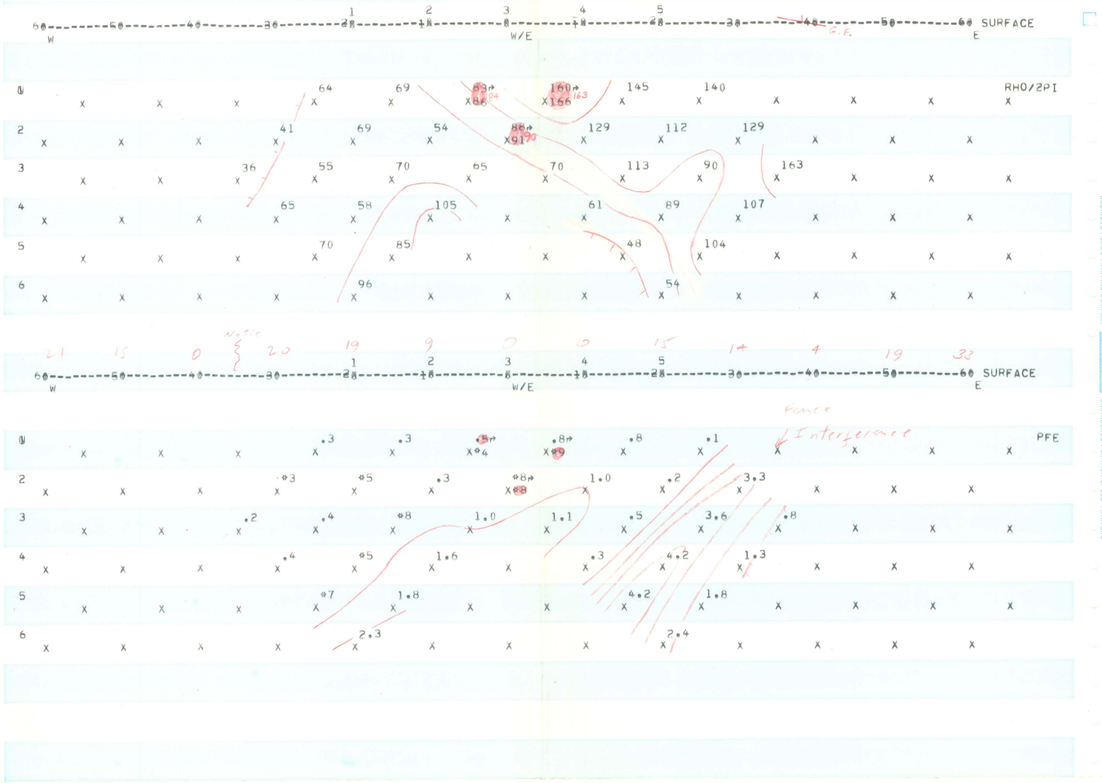
Colorado River, Ariz. This map shows the Davis Dam area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

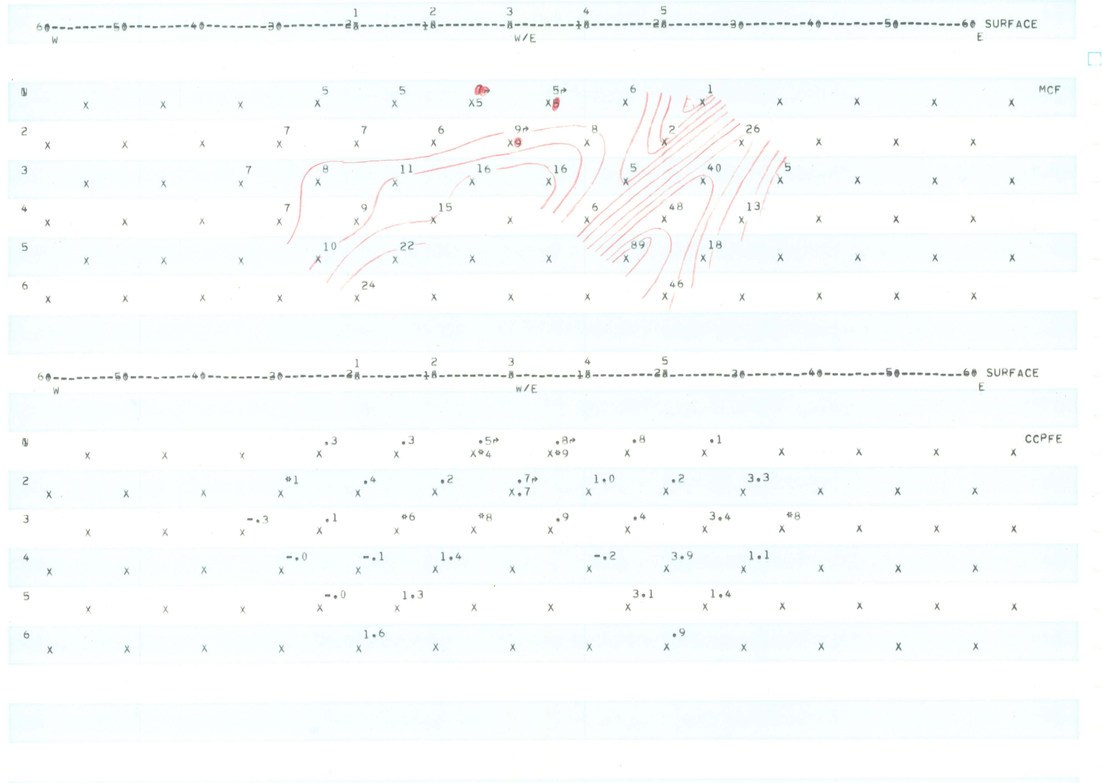
Colorado River, Ariz. This map shows the Bullhead area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

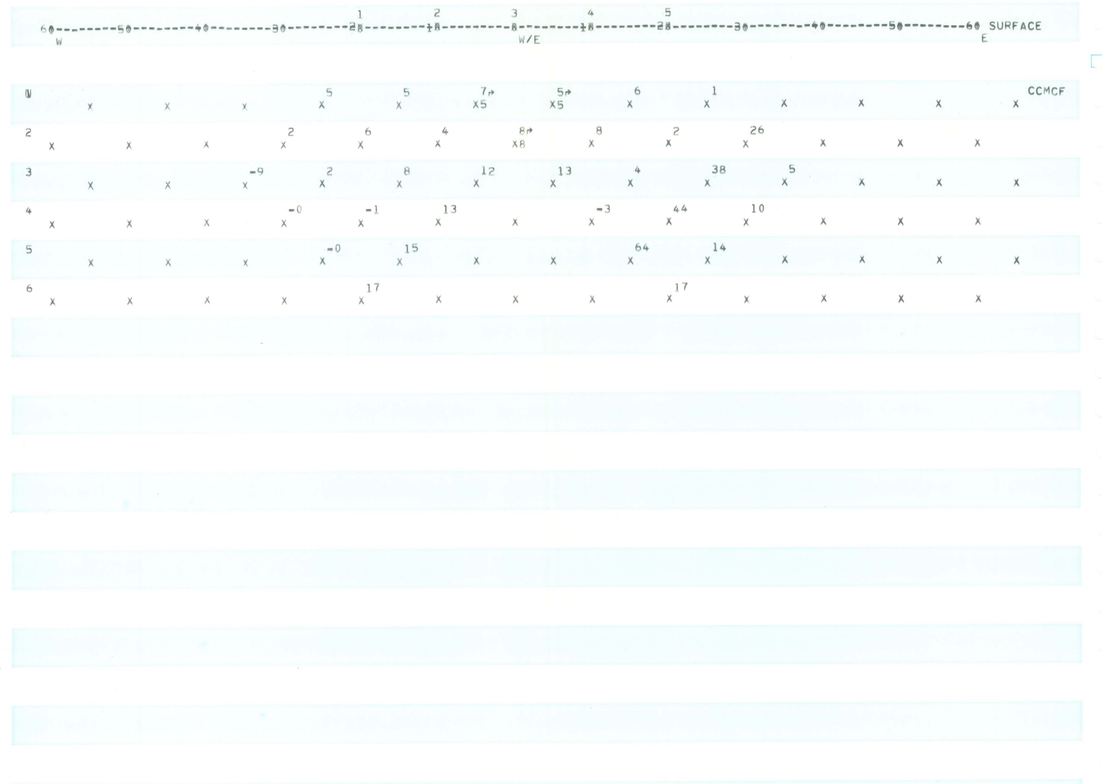
Colorado River, Ariz. This map shows the Davis Camp area. Contour interval 20 feet. Size 27 by 27 inches. Price, 50 cents.

Colorado River, Ariz. This map shows the Hardy area.

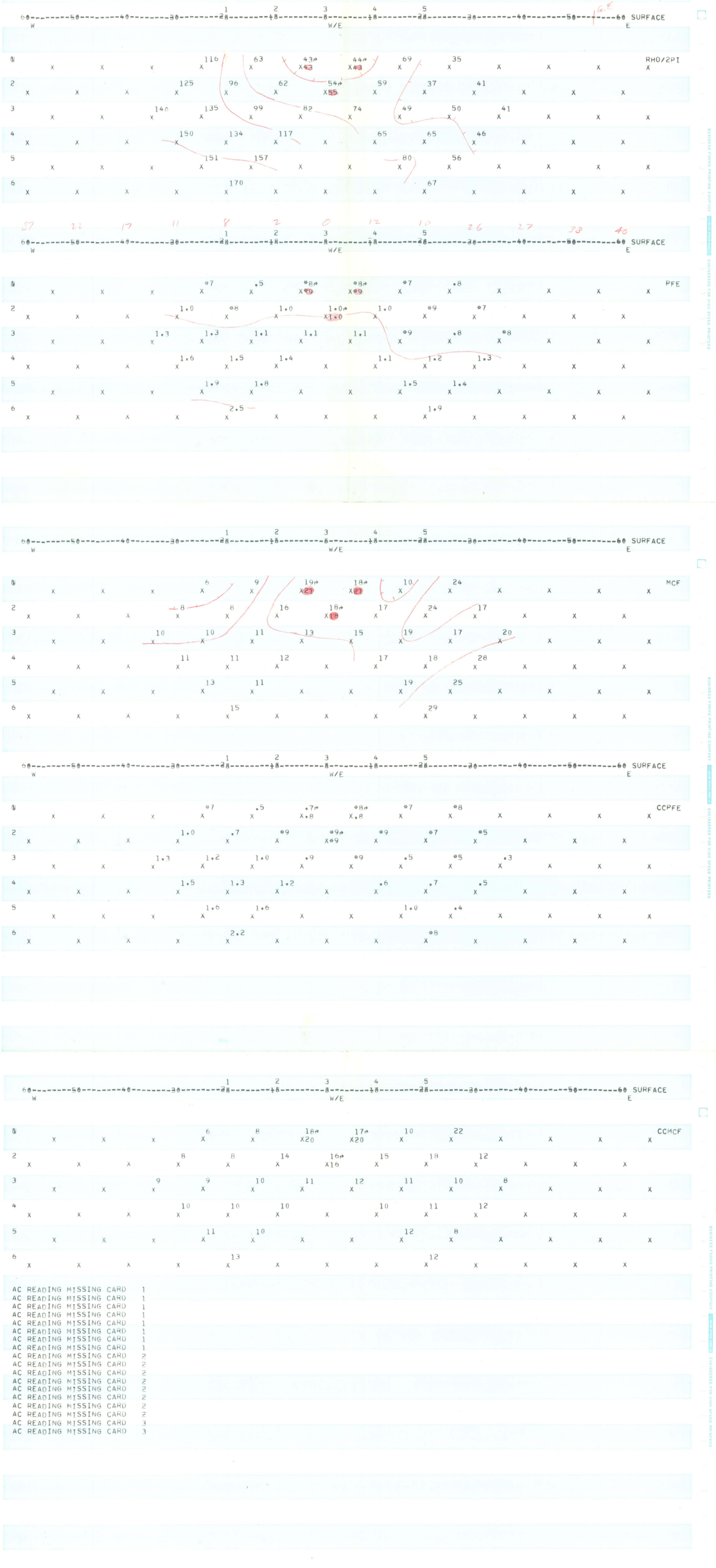
HEINRICHS GEOEX JOB 482 LINE 9 SPREAD 1 LOOKING N 20 W 2-12-70 A= 1000 FEET





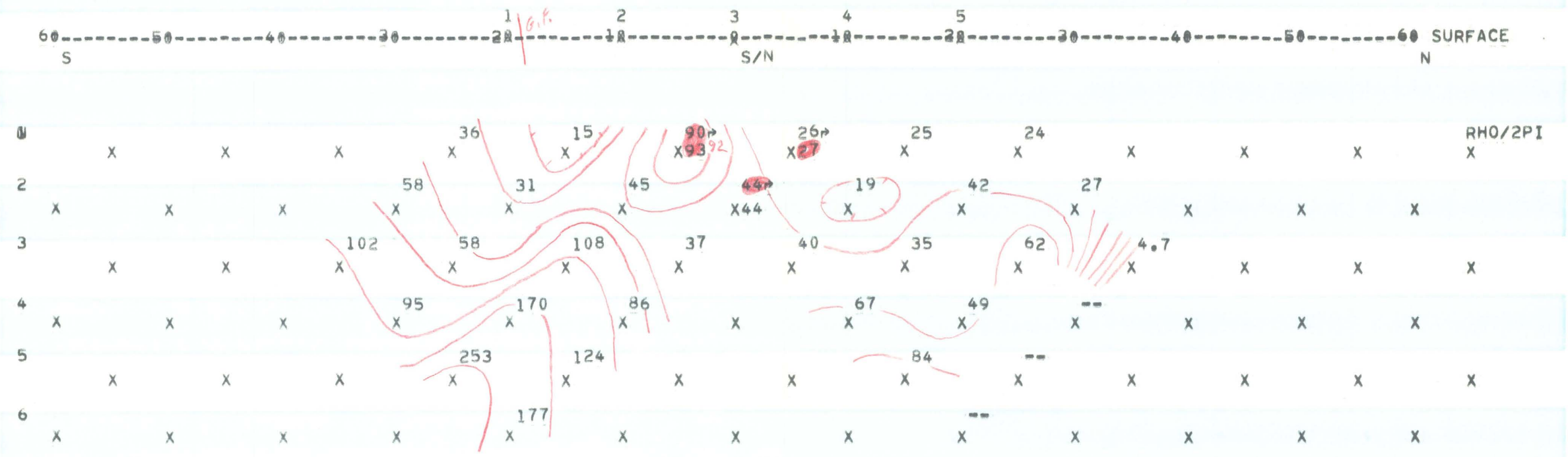


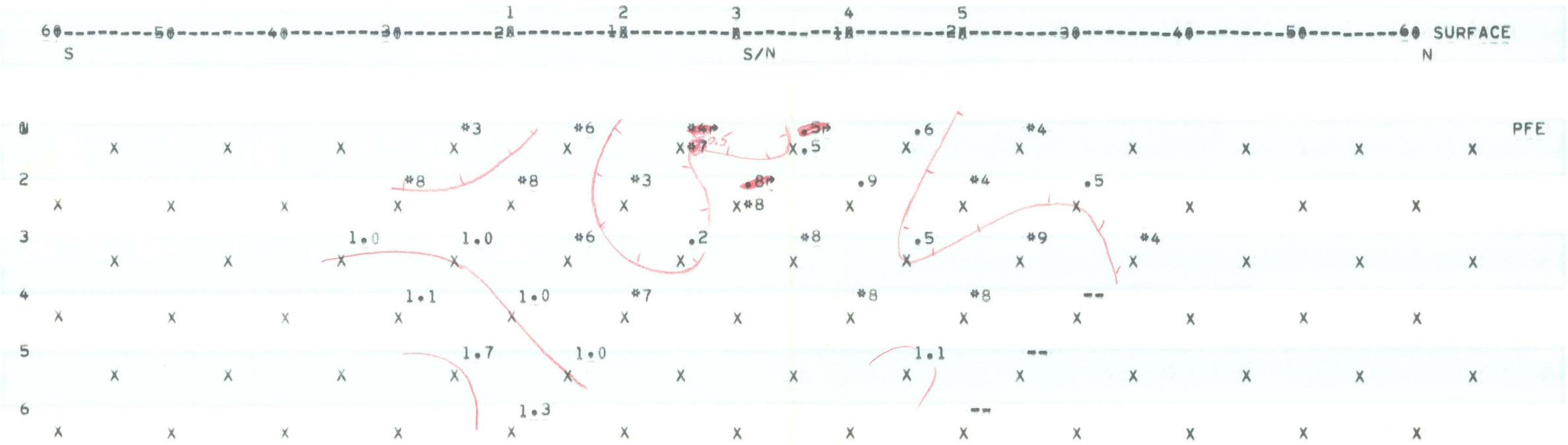
HEINRICHS GEOEX JOB 482 LINE 10 SPREAD 1 LOOKING NW 2-13-70 A= 1000 FEET

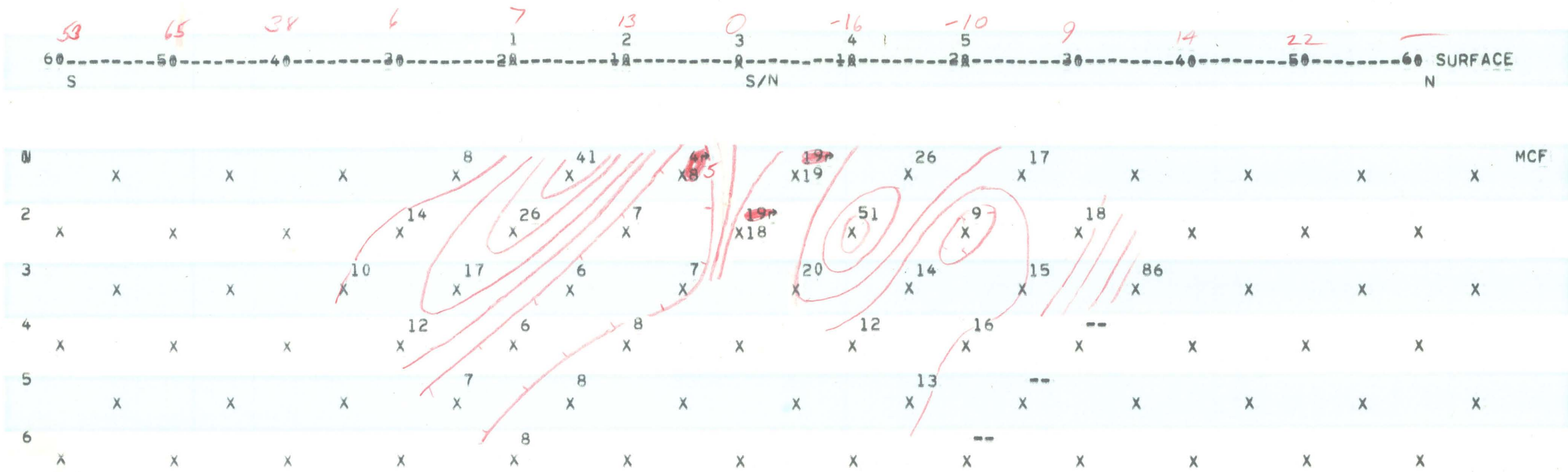


AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 1
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 2
AC READING MISSING CARD 3
AC READING MISSING CARD 3

HEINRICHS GEOEX JOB 482-70 LINE 11 SPREAD 1 LOOKING W 2-14-70 A= 1000 FEET



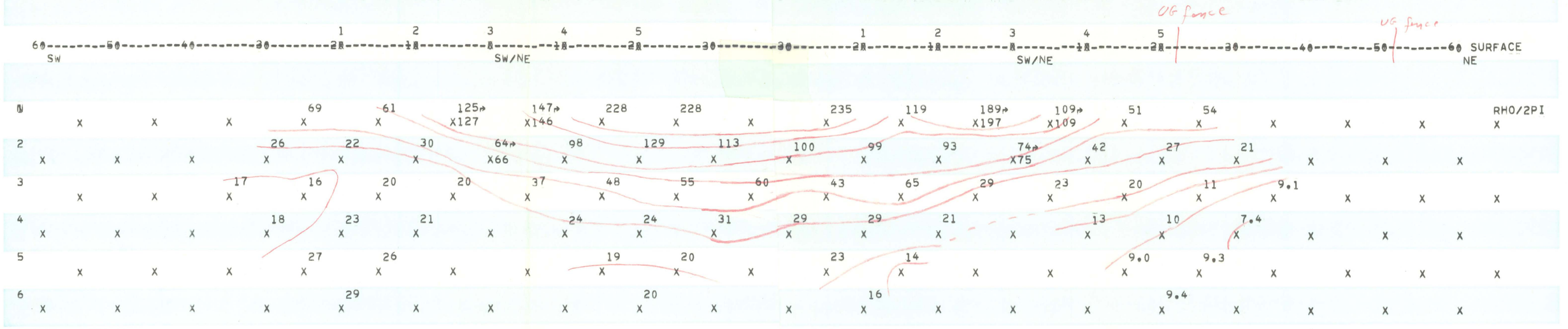


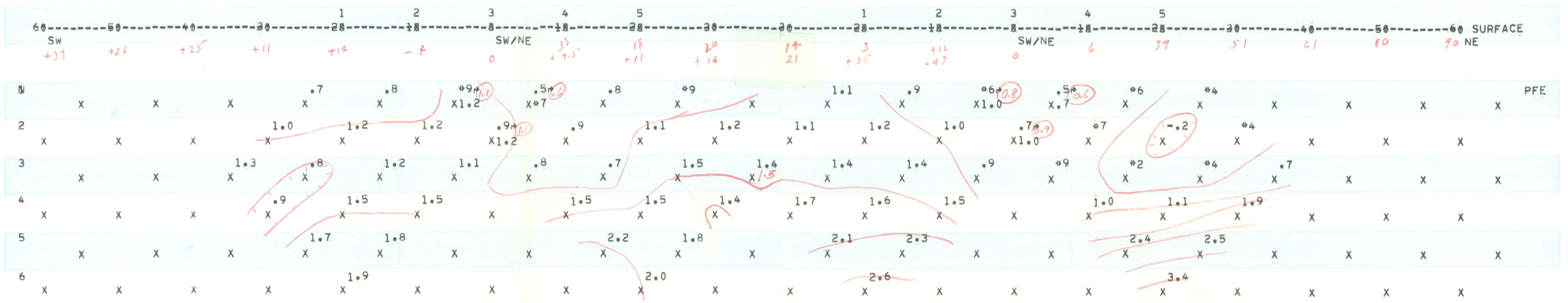


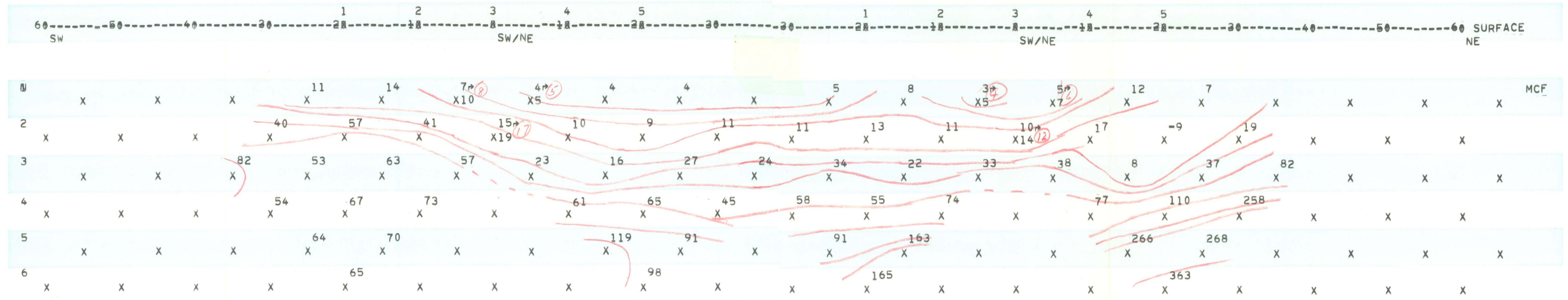
HEINRICHS GEOEX JOB 482-70 LINE 12 SPREAD 1 LOOKING N 60 W 2-25-70 A= JOB 482 LINE 12 SPREAD 2 LOOKING N60W 2-26-70 A= 1000 FEET

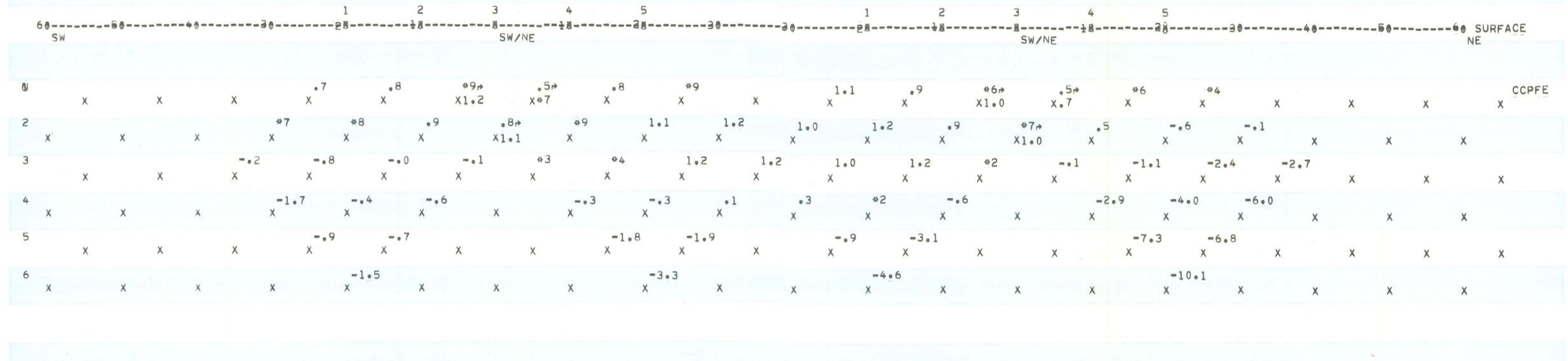
1.0 0.1ac

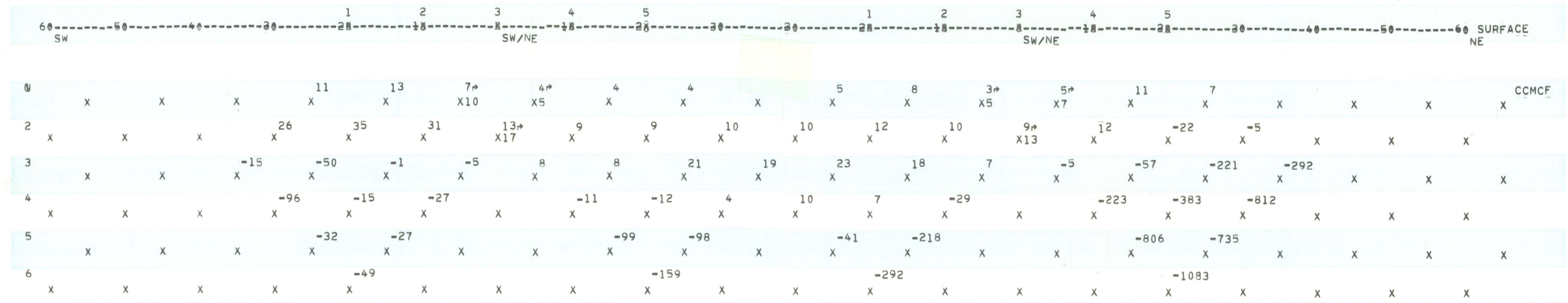
UG fence UG fence





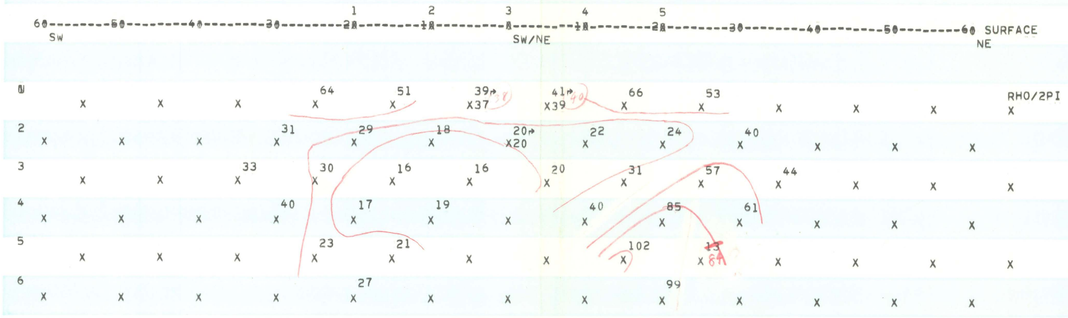


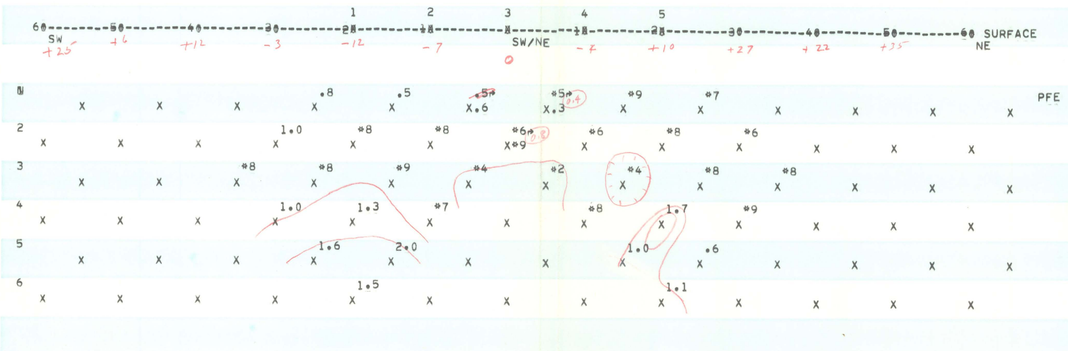


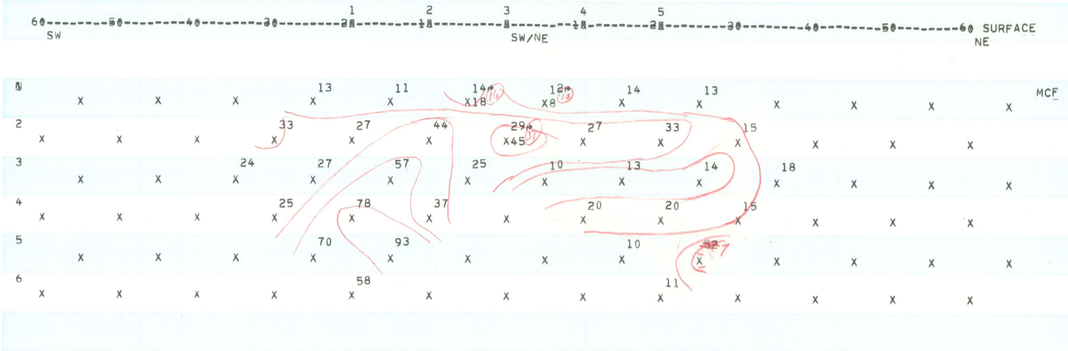


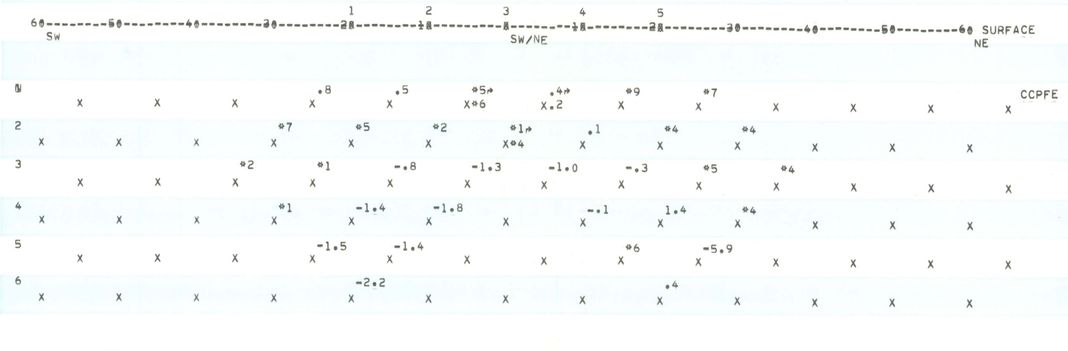
HEINRICHS GEOEX JOB 482-70 LINE 13 SPREAD 1 LOOKING N 52 W 2-28-70 A= 1000 FEET

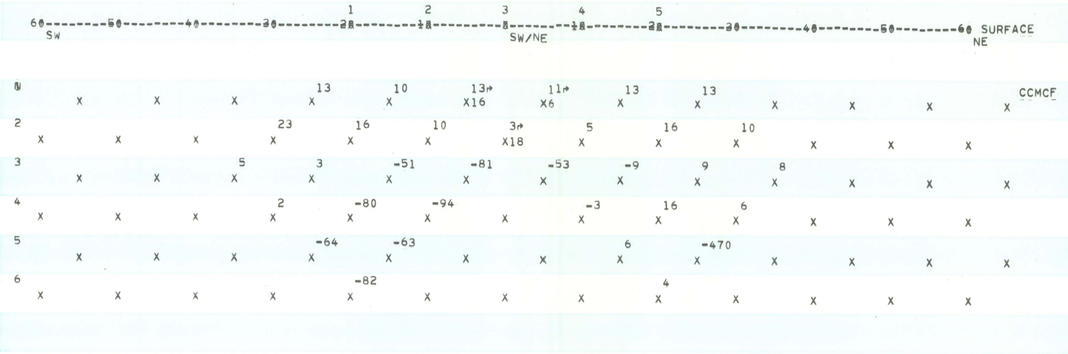
1.0 0.1 0.C











JOB 482 LINE 1-A1 SP1 W 1/2 11/22/70 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	0.00	101.000	0.00	3.00	.30	0.0000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	399.21	.80	2.0	.80	2.0	0.00	**	.80	.90	1	1	120.000	0.00
2	2	965.81	1.40	1.4	1.40	1.4	0.00	**	1.40	.60	2	2	48.100	0.00
3	1	411.41	1.10	2.7	1.10	2.7	0.00	**	1.10	1.00	3	1	137.000	0.00
4	2	140.28	1.20	8.6	1.03	7.3	.17	**	1.20	.90	4	2	10.500	0.00
5	3	388.15	1.30	3.3	1.20	3.1	.10	**	1.30	.60	5	3	7.740	0.00
6	1	262.24	.90	3.4	.90	3.4	0.00	**	.90	2.00	6	1	175.000	0.00
7	2	188.77	1.20	6.4	1.09	5.8	.11	**	1.20	1.00	7	2	15.700	0.00
8	3	104.23	1.00	9.6	.40	3.9	.60	**	.90	.90	8	3	3.130	-.20
9	4	277.00	1.00	3.6	.70	2.5	.30	**	1.00	.60	9	4	2.770	0.00
10	1	1092.16	.60	.5	.60	.5	0.00	**	.60	2.00	10	1	731.000	0.00
11	2	334.86	1.20	3.6	1.20	3.6	0.00	**	1.20	2.00	11	2	55.700	0.00
12	3	224.54	1.20	5.3	.99	4.4	.21	**	1.20	1.00	12	3	7.470	0.00
13	4	141.72	.80	5.6	.06	.4	.74	**	.80	.90	13	4	2.130	0.00
14	5	381.63	1.50	3.9	1.18	3.1	.32	**	1.50	.60	14	5	2.170	0.00
15	1	1506.01	.60	.4	.60	.4	0.00	**	.60	1.00	15	1	504.000	0.00
16	2	1032.00	1.00	1.0	1.00	1.0	0.00	**	1.00	2.00	16	2	172.000	0.00
17	3	283.68	1.60	5.6	1.45	5.1	.15	**	1.60	2.00	17	3	18.800	0.00
18	4	223.59	2.00	8.9	1.60	7.2	.40	**	2.00	1.00	18	4	3.690	0.00
19	5	139.30	2.20	15.8	.96	6.9	1.24	**	2.20	.90	19	5	1.180	0.00
20	6	377.39	2.20	5.8	1.70	4.5	.50	**	2.20	.50	20	6	1.110	0.00
21	2	834.00	1.00	1.2	1.00	1.2	0.00	**	1.00	1.00	21	2	69.500	0.00
22	3	449.83	1.30	2.9	1.22	2.7	.08	**	1.30	2.00	22	3	29.900	0.00
23	4	200.59	1.40	7.0	.94	4.7	.46	**	1.40	2.00	23	4	6.660	0.00
24	5	219.48	1.40	6.4	.72	3.3	.68	**	1.50	1.00	24	5	2.080	.20
25	6	122.75	1.40	11.4	-.80	-6.5	2.20	**	1.40	.90	25	6	.655	0.00
26	3	275.64	1.20	4.4	1.04	3.8	.16	**	1.20	1.00	26	3	9.170	0.00
27	4	176.15	1.20	6.8	.65	3.7	.55	**	1.20	2.00	27	4	5.860	0.00
28	5	134.94	2.10	15.6	.81	6.0	1.29	**	2.20	1.00	28	5	1.270	.20
29	6	165.94	1.80	10.8	.31	1.9	1.49	**	1.80	1.00	29	6	.980	0.00
30	4	353.50	1.20	3.4	.99	2.8	.21	**	1.20	1.00	30	4	5.880	0.00
31	5	248.74	1.60	6.4	1.03	4.1	.57	**	1.60	2.00	31	5	4.710	0.00
32	6	209.97	1.80	8.6	.71	3.4	1.09	**	1.80	2.00	32	6	2.480	0.00

JOB 482 LINE 1-A1 SP1 E 1/2 11/22/70 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	-.20	101.000	0.00	3.00	.30	-.2000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	4150.89	.90	.2	.90	.2	0.00	**	.70	.60	1	1	831.000	0.00
2	2	943.87	1.20	1.3	1.20	1.3	0.00	**	1.00	2.00	2	2	157.000	0.00
3	3	388.92	1.50	3.9	1.40	3.6	.10	**	1.30	2.00	3	3	25.800	0.00
4	4	276.22	1.30	4.7	1.00	3.6	.30	**	1.10	1.00	4	4	4.590	0.00
5	1	418.34	.60	1.4	.60	1.4	0.00	**	.40	.90	5	1	126.000	0.00
6	2	871.38	1.30	1.5	1.30	1.5	0.00	**	1.10	1.00	6	2	72.400	0.00
7	3	227.40	1.40	6.2	1.20	5.3	.20	**	1.20	2.00	7	3	15.100	0.00
8	4	159.92	1.20	7.5	.57	3.6	.63	**	1.00	2.00	8	4	5.320	0.00
9	5	149.69	1.40	9.4	.27	1.8	1.13	**	1.20	1.00	9	5	1.420	0.00
10	1	1855.34	1.30	.7	1.30	.7	0.00	**	1.20	.50	10	1	308.000	.20
11	2	468.00	1.00	2.1	1.00	2.1	0.00	**	.80	.90	11	2	35.100	0.00
12	3	848.01	1.60	1.9	1.60	1.9	0.00	**	1.40	1.00	12	3	28.100	0.00
13	4	377.23	1.60	4.2	1.41	3.7	.19	**	1.40	2.00	13	4	12.500	0.00
14	5	329.67	1.80	5.5	1.41	4.3	.39	**	1.60	2.00	14	5	6.230	0.00
15	6	318.34	1.80	5.7	1.18	3.7	.62	**	1.60	1.00	15	6	1.880	0.00
16	2	233.29	.90	3.9	.82	3.5	.08	**	.70	.50	16	2	9.730	0.00
17	3	148.04	.80	5.4	.43	2.9	.37	**	.60	.90	17	3	4.450	0.00
18	4	318.60	1.00	3.1	.76	2.4	.24	**	.80	1.00	18	4	5.310	0.00
19	5	227.32	1.00	4.4	.36	1.6	.64	**	.80	2.00	19	5	4.330	0.00
20	6	223.26	1.30	5.8	.30	1.3	1.00	**	1.10	2.00	20	6	2.650	0.00
21	3	524.24	1.20	2.3	1.20	2.3	0.00	**	1.00	.50	21	3	8.720	0.00
22	4	294.20	1.30	4.4	1.03	3.5	.27	**	1.10	.90	22	4	4.400	0.00
23	5	639.24	1.30	2.0	1.15	1.8	.15	**	1.10	1.00	23	5	6.070	0.00
24	6	548.94	1.70	3.1	1.40	2.6	.30	**	1.50	2.00	24	6	6.490	0.00
25	4	430.10	1.40	3.3	1.24	2.9	.16	**	1.20	.50	25	4	3.570	0.00
26	5	211.66	1.80	8.5	1.09	5.2	.71	**	1.60	.90	26	5	1.800	0.00
27	6	428.83	1.90	4.4	1.48	3.5	.42	**	1.70	1.00	27	6	2.530	0.00

JOB 482 LINE 2-A1 SP1 NE 1/2 11/23/70 — 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	-.20	101.000	0.00	3.00	.30	-.2000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	219.00	1.00	4.6	1.00	4.6	0.00	**	.80	2.00	1	1	292.000	0.00
2	2	291.62	.80	2.7	.80	2.7	0.00	**	.60	1.00	2	2	48.700	0.00
3	1	167.67	.80	4.8	.80	4.8	0.00	**	.60	2.00	3	1	224.000	0.00
4	2	184.08	1.10	6.0	1.10	6.0	0.00	**	.90	2.00	4	2	61.300	0.00
5	3	205.50	1.00	4.9	1.00	4.9	0.00	**	.80	1.00	5	3	13.700	0.00
6	1	154.79	.70	4.5	.70	4.5	0.00	**	.50	2.00	6	1	207.000	0.00
7	2	208.39	.80	3.8	.80	3.8	0.00	**	.60	1.00	7	2	34.800	0.00
8	3	198.00	1.00	5.1	1.00	5.1	0.00	**	.80	1.00	8	3	13.200	0.00
9	4	204.98	.60	2.9	.60	2.9	0.00	**	.40	1.00	9	4	6.860	0.00
10	1	142.08	.70	4.9	.70	4.9	0.00	**	.50	2.00	10	1	190.000	0.00
11	2	219.08	.90	4.1	.90	4.1	0.00	**	.70	2.00	11	2	73.100	0.00
12	3	261.75	1.00	3.8	1.00	3.8	0.00	**	.80	2.00	12	3	34.900	0.00
13	4	225.22	1.10	4.9	1.10	4.9	0.00	**	.90	2.00	13	4	15.000	0.00
14	5	228.74	.70	3.1	.61	2.7	.09	**	.50	1.00	14	5	4.370	0.00
15	1	203.25	.90	4.4	.90	4.4	0.00	**	.80	2.00	15	1	271.000	.20
16	2	231.83	1.10	4.7	1.10	4.7	0.00	**	.90	2.00	16	2	77.200	0.00
17	3	354.70	1.20	3.4	1.20	3.4	0.00	**	1.00	1.00	17	3	23.600	0.00
18	4	391.54	1.40	3.6	1.40	3.6	0.00	**	1.20	1.00	18	4	13.000	0.00
19	5	308.34	1.40	4.5	1.40	4.5	0.00	**	1.20	2.00	19	5	11.700	0.00
20	6	309.43	1.10	3.6	1.01	3.2	.09	**	.90	1.00	20	6	3.680	0.00
21	2	1504.52	.70	~~.5~~ 4.7	.70	.5	0.00	**	.50	2.00	21	2	503.000	0.00
22	3	149.55	.70	4.7	.70	4.7	0.00	**	.50	2.00	22	3	20.000	0.00
23	4	223.50	1.00	4.5	1.00	4.5	0.00	**	.80	2.00	23	4	14.900	0.00
24	5	256.74	.80	3.1	.72	2.8	.08	**	.60	2.00	24	5	9.800	0.00
25	6	232.07	1.10	4.7	.96	4.1	.14	**	.90	2.00	25	6	5.520	0.00
26	3	201.00	1.00	5.0	1.00	5.0	0.00	**	.80	2.00	26	3	26.800	0.00
27	4	179.64	.80	4.5	.72	4.0	.08	**	.60	2.00	27	4	12.000	0.00
28	5	254.64	.80	3.1	.72	2.8	.08	**	.60	2.00	28	5	9.720	0.00
29	6	297.23	1.10	3.7	1.00	3.4	.10	**	.90	2.00	29	6	7.070	0.00
30	4	151.05	.70	4.6	.60	4.0	.10	**	.50	2.00	30	4	10.100	0.00
31	5	156.77	.70	4.5	.54	3.4	.16	**	.50	2.00	31	5	5.990	0.00
32	6	233.10	1.00	4.3	.86	3.7	.14	**	.80	2.00	32	6	5.550	0.00

JOB 482 LINE 2-A1 SP1 SW 1/2 11/23/70 — 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	-.20	101.000	0.00	3.00	.30	-.2000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	185.26	.60	3.2	.60	3.2	0.00	**	.40	2.00	1	1	248.000	0.00
2	2	302.10	.70	2.3	.70	2.3	0.00	**	.50	2.00	2	2	101.000	0.00
3	3	207.34	.80	3.9	.80	3.9	0.00	**	.60	2.00	3	3	27.700	0.00
4	4	208.09	.80	3.8	.80	3.8	0.00	**	.60	2.00	4	4	13.900	0.00
5	1	154.19	.80	5.2	.80	5.2	0.00	**	.60	2.00	5	1	206.000	0.00
6	2	278.70	1.00	3.6	1.00	3.6	0.00	**	.80	2.00	6	2	92.900	0.00
7	3	341.59	1.10	3.2	1.10	3.2	0.00	**	.90	2.00	7	3	45.500	0.00
8	4	213.00	1.00	4.7	1.00	4.7	0.00	**	.80	2.00	8	4	14.200	0.00
9	5	211.10	1.40	6.6	1.30	6.1	.10	**	1.20	2.00	9	5	8.010	0.00
10	1	153.14	.60	3.9	.60	3.9	0.00	**	.40	1.00	10	1	102.500	0.00
11	2	211.59	.90	4.3	.90	4.3	0.00	**	.70	1.00	11	2	35.300	0.00
12	3	304.95	.90	3.0	.90	3.0	0.00	**	.70	2.00	12	3	40.700	0.00
13	4	340.50	1.00	2.9	1.00	2.9	0.00	**	.80	2.00	13	4	22.700	0.00
14	5	203.82	.80	3.9	.69	3.4	.11	**	.60	2.00	14	5	7.780	0.00
15	6	201.18	1.00	5.0	.83	4.1	.17	**	.80	2.00	15	6	4.790	0.00
16	2	185.45	.70	3.8	.70	3.8	0.00	**	.50	1.00	16	2	31.000	0.00
17	3	232.50	1.00	4.3	1.00	4.3	0.00	**	.80	2.00	17	3	31.000	0.00
18	4	324.32	1.10	3.4	1.10	3.4	0.00	**	.90	2.00	18	4	21.600	0.00
19	5	358.41	1.40	3.9	1.40	3.9	0.00	**	1.20	2.00	19	5	13.600	0.00
20	6	215.46	1.00	4.6	.84	3.9	.16	**	.80	2.00	20	6	5.130	0.00
21	3	209.38	.70	3.3	.70	3.3	0.00	**	.50	1.00	21	3	14.000	0.00
22	4	246.24	1.10	4.5	1.10	4.5	0.00	**	.90	2.00	22	4	16.400	0.00
23	5	326.47	1.30	4.0	1.30	4.0	0.00	**	1.10	2.00	23	5	12.400	0.00
24	6	342.14	1.20	3.5	1.12	3.3	.08	**	1.00	2.00	24	6	8.130	0.00
25	4	238.39	.70	2.9	.70	2.9	0.00	**	.50	1.00	25	4	7.970	0.00
26	5	261.71	1.10	4.2	1.10	4.2	0.00	**	.90	2.00	26	5	9.960	0.00
27	6	322.88	1.10	3.4	1.01	3.1	.09	**	.90	2.00	27	6	7.680	0.00

BUSINESS FORMS PRINTING COMPANY BLUE SPACE BAR ENGINEERED FOR HIGH SPEED PRINTERS

JOB 482 BAGDAD LINE 1-A 4 SP1 S 1/2 BEARING N 1/2 12/2/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	-.20	302.000	0.00	3.00	.30	-.2000	.9934

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	289.80	.90	3.1	.90	3.1	0.00	**	.70	4.00	1	1	771.000	0.00
2	2	321.43	.80	2.5	.80	2.5	0.00	**	.60	4.00	2	2	214.000	0.00
3	1	252.96	.90	3.6	.90	3.6	0.00	**	.70	4.00	3	1	673.000	0.00
4	2	337.11	1.00	3.0	1.00	3.0	0.00	**	.80	4.00	4	2	224.000	0.00
5	3	307.32	1.10	3.6	1.10	3.6	0.00	**	.90	4.00	5	3	81.600	0.00
6	1	269.34	.70	2.6	.70	2.6	0.00	**	.50	4.00	6	1	718.000	0.00
7	2	357.47	.80	2.2	.80	2.2	0.00	**	.60	4.00	7	2	238.000	0.00
8	3	454.35	.90	2.0	.90	2.0	0.00	**	.60	4.00	8	3	121.000	-.20
9	4	401.47	1.10	2.7	1.10	2.7	0.00	**	.90	4.00	9	4	53.300	0.00
10	1	197.71	.90	4.6	.90	4.6	0.00	**	.70	4.00	10	1	526.000	0.00
11	2	196.57	.70	3.6	.70	3.6	0.00	**	.50	4.00	11	2	131.000	0.00
12	3	269.87	.90	3.3	.90	3.3	0.00	**	.70	4.00	12	3	71.800	0.00
13	4	336.36	1.00	3.0	1.00	3.0	0.00	**	.80	4.00	13	4	44.700	0.00
14	5	293.66	1.00	3.4	1.00	3.4	0.00	**	.80	4.00	14	5	22.300	0.00
15	1	239.08	.70	2.9	.70	2.9	0.00	**	.50	3.00	15	1	478.000	0.00
16	2	234.31	.80	3.4	.80	3.4	0.00	**	.60	4.00	16	2	156.000	0.00
17	3	253.46	.80	3.2	.80	3.2	0.00	**	.60	4.00	17	3	67.500	0.00
18	4	345.80	.90	2.6	.90	2.6	0.00	**	.70	4.00	18	4	46.000	0.00
19	5	427.08	1.10	2.6	1.10	2.6	0.00	**	.90	4.00	19	5	32.400	0.00
20	6	404.94	1.10	2.7	1.10	2.7	0.00	**	.90	4.00	20	6	19.200	0.00
21	2	250.08	.70	2.8	.70	2.8	0.00	**	.50	3.00	21	2	125.000	0.00
22	3	260.12	1.20	4.6	1.20	4.6	0.00	**	1.00	4.00	22	3	69.000	0.00
23	4	272.40	1.00	3.7	1.00	3.7	0.00	**	.80	4.00	23	4	36.200	0.00
24	5	364.77	1.00	2.7	1.00	2.7	0.00	**	.80	4.00	24	5	27.700	0.00
25	6	437.00	1.20	2.7	1.20	2.7	0.00	**	1.00	4.00	25	6	20.700	0.00
26	3	287.16	.90	3.1	.90	3.1	0.00	**	.70	3.00	26	3	57.300	0.00
27	4	276.43	1.10	4.0	1.10	4.0	0.00	**	.90	4.00	27	4	36.700	0.00
28	5	279.93	.80	2.9	.80	2.9	0.00	**	.60	4.00	28	5	21.300	0.00
29	6	366.25	.90	2.5	.90	2.5	0.00	**	.70	4.00	29	6	17.400	0.00
30	4	346.14	1.00	2.9	1.00	2.9	0.00	**	.80	3.00	30	4	34.500	0.00
31	5	306.11	1.20	3.9	1.20	3.9	0.00	**	1.00	4.00	31	5	23.200	0.00
32	6	299.19	1.00	3.3	.90	3.0	.10	**	.80	4.00	32	6	14.200	0.00

JOB 482 LINE 1-A 4 SP1 N 1/2 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	0.00	305.000	0.00	3.00	.30	0.0000	.9836

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	326.49	.70	2.1	.70	2.1	0.00	**	.70	4.00	1	1	879.000	0.00
2	2	315.29	.80	2.5	.80	2.5	0.00	**	.80	4.00	2	2	212.000	0.00
3	3	301.51	1.00	3.3	1.00	3.3	0.00	**	1.00	3.00	3	3	60.700	0.00
4	4	393.01	.90	2.3	.90	2.3	0.00	**	.90	3.00	4	4	39.600	0.00
5	1	157.83	.60	3.8	.60	3.8	0.00	**	.60	3.00	5	1	319.000	0.00
6	2	163.83	.70	4.3	.70	4.3	0.00	**	.70	3.00	6	2	82.700	0.00
7	3	148.08	.70	4.7	.70	4.7	0.00	**	.70	3.00	7	3	29.900	0.00
8	4	147.88	.90	6.1	.80	5.4	.10	**	.90	3.00	8	4	14.900	0.00
9	5	210.15	.90	4.3	.79	3.8	.11	**	.90	3.00	9	5	12.100	0.00
10	1	140.35	.40	2.8	.40	2.8	0.00	**	.40	4.00	10	1	379.000	0.00
11	2	219.45	.50	2.3	.50	2.3	0.00	**	.50	4.00	11	2	148.000	0.00
12	3	235.76	.50	2.1	.50	2.1	0.00	**	.50	4.00	12	3	63.600	0.00
13	4	207.05	.60	2.9	.60	2.9	0.00	**	.60	4.00	13	4	27.900	0.00
14	5	209.94	.80	3.8	.69	3.3	.11	**	.80	3.00	14	5	12.100	0.00
15	6	311.24	.90	2.9	.81	2.6	.09	**	.90	3.00	15	6	11.200	0.00
17	3	196.31	.80	4.1	.80	4.1	0.00	**	.80	3.00	17	3	39.600	0.00
18	4	185.72	.70	3.8	.70	3.8	0.00	**	.70	4.00	18	4	25.000	0.00
19	5	150.80	.70	4.6	.53	3.5	.17	**	.70	4.00	19	5	11.600	0.00
20	6	144.64	.80	5.5	.52	3.6	.28	**	.80	3.00	20	6	5.210	0.00
21	3	111.80	.70	6.3	.62	5.6	.08	**	.70	4.00	21	3	30.100	0.00
22	4	148.72	.80	5.4	.70	4.7	.10	**	.80	4.00	22	4	20.000	0.00
23	5	141.70	.70	4.9	.52	3.6	.18	**	.70	4.00	23	5	10.900	0.00
24	6	115.74	.60	5.2	.23	1.9	.37	**	.60	4.00	24	6	5.570	0.00
25	4	177.72	.80	4.5	.72	4.1	.08	**	.80	4.00	25	4	23.900	0.00
26	5	217.53	.90	4.1	.80	3.7	.10	**	.90	4.00	26	5	16.700	0.00
27	6	196.58	.60	3.1	.42	2.1	.18	**	.60	4.00	27	6	9.460	0.00

BUSINESS FORMS PRINTING COMPANY BLUE SPACE ENGINEERED FOR HIGH SPEED PRINTERS

JOB 482 LINE 1-A10 NW 1/2 11/24/70 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	0.00	202.000	0.00	1.00	.10	0.0000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	477.00	1.00	2.1	1.00	2.1	0.00	**	1.00	2.00	1	1	318.000	0.00
2	2	147.49	1.20	8.1	1.20	8.1	0.00	**	1.20	3.00	2	2	36.800	0.00
3	3	35.41	.60	16.9	.02	.5	.58	**	.60	4.00	3	3	4.740	0.00
4	1	462.46	1.10	2.4	1.10	2.4	0.00	**	1.10	2.00	4	1	308.000	0.00
5	2	412.99	.90	2.2	.90	2.2	0.00	**	.90	2.00	5	2	68.900	0.00
6	3	98.59	1.20	12.2	1.06	10.7	.14	**	1.20	3.00	6	3	9.840	0.00
7	4	23.80	.80	33.6	-1.02	-42.8	1.82	**	.80	4.00	7	4	1.590	0.00
8	1	774.08	1.80	2.3	1.80	2.3	0.00	**	1.80	2.00	8	1	512.000	0.00
9	2	348.17	1.40	4.0	1.40	4.0	0.00	**	1.40	2.00	9	2	57.800	0.00
10	3	248.75	.90	3.6	.90	3.6	0.00	**	.90	2.00	10	3	16.600	0.00
11	4	53.71	1.20	22.3	.58	10.8	.62	**	1.20	3.00	11	4	2.680	0.00
12	5	15.36	1.00	65.1	-4.08	-265.8	5.08	**	1.00	4.00	12	5	.585	0.00
13	2	459.91	1.20	2.6	1.20	2.6	0.00	**	1.20	2.00	13	2	76.500	0.00
14	3	148.65	1.10	7.4	1.02	6.9	.08	**	1.10	2.00	14	3	9.900	0.00
15	4	96.90	1.00	10.3	.72	7.5	.28	**	1.00	2.00	15	4	3.230	0.00
16	5	22.29	1.00	44.9	-2.19	-98.2	3.19	**	1.00	3.00	16	5	.637	0.00
17	6	10.02	.80	79.9	-11.68	-1165.5	12.48	**	.80	4.00	17	6	.239	0.00
18	3	350.41	1.70	4.9	1.70	4.9	0.00	**	1.70	2.00	18	3	23.200	0.00
19	4	98.88	1.80	18.2	1.53	15.5	.27	**	1.80	2.00	19	4	3.270	0.00
20	5	63.25	1.40	22.1	.58	9.1	.82	**	1.40	2.00	20	5	1.200	0.00
21	6	17.29	1.60	92.5	-4.86	-281.0	6.46	**	1.60	3.00	21	6	.307	0.00
22	4	78.09	1.90	24.3	1.53	19.6	.37	**	1.90	2.00	22	4	2.580	0.00
23	5	~~32.89~~ 23.8	~~40.00~~	~~1216.1~~	38.06	1157.0	1.94	**	~~40.00~~	2.00	23	5	.452	0.00
24	6	30.04 21.8	~~40.00~~	~~1331.5~~	36.75	1223.2	3.25	**	~~40.00~~	2.00	24	6	.258	0.00

JOB 482 LINE 1-A10 SP1 SE 1/2 11/23/70 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	.20	202.000	0.00	1.00	.10	.2000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	480.07	.70	1.5	.70	1.5	0.00	**	.90	2.00	1	1	321.000	0.00
2	1	306.91	1.30	4.2	1.30	4.2	0.00	**	1.50	2.00	2	1	204.000	0.00
3	2	149.70	1.20	8.0	1.20	8.0	0.00	**	1.40	2.00	3	2	24.900	0.00
4	1	174.80	.60	3.4	.60	3.4	0.00	**	.80	2.00	4	1	117.000	0.00
5	2	92.45	.30	3.2	.30	3.2	0.00	**	.60	2.00	5	2	15.500	.20
6	3	36.08	.40	11.1	-.17	-4.6	.57	**	.60	2.00	6	3	2.420	0.00
7	1	50.80	.30	5.9	.30	5.9	0.00	**	.50	2.00	7	1	34.100	0.00
8	2	43.20	.30	6.9	.11	2.5	.19	**	.50	2.00	8	2	7.250	0.00
9	3	22.32	.10	4.5	-.98	-43.9	1.08	**	.40	2.00	9	3	1.500	.20
10	4	11.20	0.00	0.0	-4.73	-422.2	4.73	**	.20	2.00	10	4	.377	0.00
11	1	45.03	.40	8.9	.40	8.9	0.00	**	.60	2.00	11	1	30.200	0.00
12	2	25.60	.20	7.8	-.19	-7.5	.39	**	.40	2.00	12	2	4.300	0.00
13	3	20.09	.20	10.0	-1.04	-51.8	1.24	**	.40	2.00	13	3	1.350	0.00
14	4	11.27	.40	35.5	-4.29	-380.5	4.69	**	.60	2.00	14	4	.378	0.00
15	5	~~12.06~~ 8.75	~~39.80~~	~~3299.4~~	32.97	2732.9	6.83	**	~~40.00~~	2.00	15	5	.166	0.00
16	2	20.04	1.20	59.9	.65	32.5	.55	**	1.40	3.00	16	2	5.000	0.00
17	3	10.76	.60	55.8	-2.18	-202.6	2.78	**	.80	3.00	17	3	1.080	0.00
18	4	10.74	1.60	148.9	-3.38	-314.3	4.98	**	1.80	2.00	18	4	.356	0.00
19	5	~~10.75~~ 7.8	~~39.80~~	~~3700.6~~	31.94	2970.2	7.86	**	~~40.00~~	2.00	19	5	.148	0.00
20	3	9.30	.20	21.5	-3.14	-337.6	3.34	**	.40	4.00	20	3	1.250	0.00
21	4	~~8.39~~ 6.08	~~39.80~~	~~4744.9~~	33.06	3941.1	6.74	**	~~40.00~~	3.00	21	4	.303	0.00
22	5	~~16.06~~ 11.5	~~39.80~~	~~2478.3~~	34.99	2178.9	4.81	**	~~40.00~~	2.00	22	5	.221	0.00

JOB 482 BAGDAD LINE 1-A 12 S 1/2 SP1 BEARING N/S 12/8/70 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	0.00	303.000	0.00	1.00	.10	0.0000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	27.97	.70	25.0	.60	21.6	.10	**	.70	4.00	1	1	37.400	0.00
2	2	19.39	.60	30.9	.03	1.4	.57	**	.60	4.00	2	2	6.490	0.00
3	1	17.89	.40	22.4	.22	12.4	.18	**	.40	4.00	3	1	24.000	0.00
4	2	17.89	.40	22.4	-.24	-13.4	.64	**	.40	4.00	4	2	6.000	0.00
5	3	18.27	.50	27.4	-.90	-49.5	1.40	**	.40	4.00	5	3	2.450	-.20
6	1	11.19	.50	44.7	.16	14.1	.34	**	.50	4.00	6	1	15.000	0.00
7	2	14.61	.60	41.1	-.24	-16.4	.84	**	.60	4.00	7	2	4.890	0.00
8	3	23.28	.50	21.5	-.52	-22.3	1.02	**	.50	4.00	8	3	3.120	0.00
9	4	23.39	.20	8.6	-1.66	-71.0	1.86	**	.30	4.00	9	4	1.570	.20
10	1	8.05	.40	49.7	-.14	-16.8	.54	**	.40	4.00	10	1	10.800	0.00
11	2	14.02	.40	28.5	-.49	-34.7	.89	**	.40	4.00	11	2	4.700	0.00
12	3	23.98	.60	25.0	-.38	-15.9	.98	**	.60	4.00	12	3	3.210	0.00
13	4	43.71	.80	18.3	-.02	-.4	.82	**	.80	4.00	13	4	2.920	0.00
14	5	44.27	.80	18.1	-.52	-11.7	1.32	**	.80	4.00	14	5	1.690	0.00
15	2	39.66	.50	12.6	.29	7.2	.21	**	.40	4.00	15	2	13.300	-.20
16	3	65.12	.80	12.3	.55	8.4	.25	**	.80	4.00	16	3	8.700	0.00
17	4	99.45	1.00	10.1	.73	7.4	.27	**	1.00	4.00	17	4	6.630	0.00
18	5	156.28	1.40	9.0	1.16	7.4	.24	**	1.40	4.00	18	5	5.930	0.00
19	6	144.35	1.10	7.6	.69	4.8	.41	**	1.20	4.00	19	6	3.430	.20
~~1~~	~~1~~	~~.75~~	~~.50~~	~~666.7~~	~~-10.16~~	~~-13552.1~~	~~10.66~~	**	1.00	4.00	1	1	1.000	1.00
20	3	35.93	.70	19.5	.13	3.6	.57	**	.60	4.00	20	3	4.810	-.20
~~1~~	~~1~~	~~.75~~	~~.50~~	~~666.7~~	~~-10.16~~	~~-13552.1~~	~~10.66~~	**	1.00	4.00	1	1	1.000	1.00
21	4	56.29	.80	14.2	.22	3.9	.58	**	.80	4.00	21	4	3.760	0.00
22	5	81.37	1.00	12.3	.41	5.1	.59	**	1.00	4.00	22	5	3.100	0.00
23	6	121.02	1.40	11.6	.88	7.2	.52	**	1.40	4.00	23	6	2.870	0.00
24	4	7.37	.40	54.3	-7.49	-1017.3	7.89	**	.40	4.00	24	4	.494	0.00
25	5	10.56	.60	56.8	-7.43	-703.3	8.03	**	.60	4.00	25	5	.404	0.00
26	6	14.96	.20	13.4	-7.51	-501.9	7.71	**	.20	4.00	26	6	.359	0.00

JOB 482 LINE 1-A 12 SP1 N 1/2 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	0.00	306.000	0.00	1.00	.10	0.0000	.9804

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	27.96	.60	21.5	.50	18.0	.10	**	.60	4.00	1	1	37.800	0.00
2	2	18.00	.50	27.8	-.13	-7.5	.63	**	.50	4.00	2	2	6.090	0.00
3	1	76.56	.60	7.8	.60	7.8	0.00	**	.60	4.00	3	1	103.500	0.00
4	2	19.28	.50	25.9	-.08	-4.1	.58	**	.40	4.00	4	2	6.530	-.20
5	3	18.10	.60	33.1	-.82	-45.4	1.42	**	.50	4.00	5	3	2.450	-.20
6	1	59.93	.50	8.3	.50	8.3	0.00	**	.50	4.00	6	1	81.100	0.00
7	2	41.09	.50	12.2	.30	7.2	.20	**	.50	4.00	7	2	13.900	0.00
8	3	35.10	.40	11.4	-.19	-5.4	.59	**	.30	4.00	8	3	4.760	-.20
9	4	34.47	.60	17.4	-.52	-15.1	1.12	**	.60	4.00	9	4	2.330	0.00
10	1	51.88	.50	9.6	.50	9.6	0.00	**	.50	4.00	10	1	70.200	0.00
11	2	69.37	.80	11.5	.70	10.1	.10	**	.80	4.00	11	2	23.400	0.00
12	3	59.04	.50	8.5	.21	3.6	.29	**	.50	4.00	12	3	7.990	0.00
13	4	55.66	1.20	21.6	.61	11.0	.59	**	1.20	4.00	13	4	3.740	0.00
14	5	53.13	1.70	32.0	.66	12.5	1.04	**	1.70	4.00	14	5	2.030	0.00
15	2	68.78	.80	11.6	.70	10.2	.10	**	.80	4.00	15	2	23.200	0.00
16	3	84.91	1.30	15.3	1.13	13.3	.17	**	1.30	4.00	16	3	11.400	0.00
17	4	73.52	1.20	16.3	.80	10.8	.40	**	1.20	4.00	17	4	4.940	0.00
18	5	70.18	1.00	14.2	.29	4.1	.71	**	1.00	4.00	18	5	2.700	0.00
19	6	64.94	1.10	16.9	-.10	-1.6	1.20	**	1.10	4.00	19	6	1.560	0.00
20	3	22.74	.60	26.4	-.45	-19.9	1.05	**	.40	4.00	20	3	3.080	-.40
21	4	29.47	.70	23.8	-.68	-23.0	1.38	**	.70	4.00	21	4	1.990	0.00
22	5	25.05	1.10	43.9	-1.65	-65.9	2.75	**	1.50	4.00	22	5	.959	.80
24	4	11.28	.80	70.9	-3.88	-344.4	4.68	**	.80	4.00	24	4	.761	0.00
25	5	14.97	1.00	66.8	-4.24	-283.4	5.24	**	1.00	4.00	25	5	.576	0.00
26	6	13.55	1.60	118.0	-7.08	-522.6	8.68	**	1.60	4.00	26	6	.324	0.00

JOB 482 BAGDAD LINE 1-A 13 SP1 N 1/2 BEARING N 28 W — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	0.00	303.000	0.00	1.00	.10	0.0000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	73.96	.50	6.8	.50	6.8	0.00	**	.50	4.00	1	1	99.100	0.00
2	2	87.95	1.40	15.9	1.40	15.9	0.00	**	1.40	2.00	2	2	14.600	0.00
3	1	117.28	.60	5.1	.60	5.1	0.00	**	.60	4.00	3	1	157.000	0.00
4	2	80.08	.60	7.5	.52	6.5	.08	**	.60	4.00	4	2	26.800	0.00
5	3	~~48.39~~ 96.78	1.50	~~31.0~~ 15.5	1.12	23.1	.38	**	1.50	~~4.00~~ 2	5	3	6.420	0.00
6	1	80.24	.70	8.7	.70	8.7	0.00	**	.70	4.00	6	1	107.300	0.00
7	2	99.40	.80	8.0	.80	8.0	0.00	**	.80	4.00	7	2	33.200	0.00
8	3	57.84	.50	8.6	.20	3.5	.30	**	.50	4.00	8	3	7.750	0.00
9	4	79.14	1.70	21.5	1.33	16.9	.37	**	1.70	2.00	9	4	2.620	0.00
10	1	174.98	.80	4.6	.80	4.6	0.00	**	.70	4.00	10	1	234.000	-.20
11	2	88.84	.70	7.9	.70	7.9	0.00	**	.70	4.00	11	2	29.700	0.00
12	3	101.80	.80	7.9	.66	6.5	.14	**	.80	4.00	12	3	13.600	0.00
13	4	56.77	.60	10.6	.03	.4	.57	**	.60	4.00	13	4	3.800	0.00
14	5	84.19	.60	7.1	.04	.5	.56	**	.60	2.00	14	5	1.610	0.00
15	2	103.40	.90	8.7	.90	8.7	0.00	**	.90	4.00	15	2	34.500	0.00
16	3	50.87	.60	11.8	.25	4.8	.35	**	.60	4.00	16	3	6.810	0.00
17	4	58.33	.70	12.0	.15	2.5	.55	**	.70	4.00	17	4	3.900	0.00
18	5	32.36	.40	12.4	-1.58	-48.9	1.98	**	.40	4.00	18	5	1.240	0.00
19	6	52.25	1.00	19.1	-.60	-11.5	1.60	**	1.00	2.00	19	6	.622	0.00
20	3	136.71	.60	4.4	.51	3.7	.09	**	.60	4.00	20	3	18.300	0.00
21	4	63.61	.30	4.7	-.19	-3.0	.49	**	.30	4.00	21	4	4.270	0.00
22	5	70.47	.80	11.4	.09	1.3	.71	**	.80	4.00	22	5	2.690	0.00
23	6	37.83	.20	5.3	-2.23	-58.9	2.43	**	.20	4.00	23	6	.908	0.00

JOB 482 LINE 1-A 13 SP1 S 1/2 — 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
3.000	0.00	305.000	0.00	1.00	.10	0.0000	.9836

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	74.93	.50	6.7	.50	6.7	0.00	**	.50	3.00	1	1	75.800	0.00
2	2	80.35	.60	7.5	.52	6.5	.08	**	.60	3.00	2	2	20.300	0.00
3	1	68.19	1.20	17.6	1.20	17.6	0.00	**	1.20	3.00	3	1	68.500	0.00
4	2	87.88	1.40	15.9	1.40	15.9	0.00	**	1.30	4.00	4	2	29.400	-.20
5	3	97.44	1.60	16.4	1.46	14.9	.14	**	1.60	4.00	5	3	13.000	0.00
6	1	43.61	1.40	32.1	1.40	32.1	0.00	**	1.40	4.00	6	1	58.300	0.00
7	2	87.24	2.30	26.4	2.30	26.4	0.00	**	2.30	4.00	7	2	28.900	0.00
8	3	101.78	2.20	21.6	2.06	20.3	.14	**	2.20	4.00	8	3	13.500	0.00
9	4	127.26	2.20	17.3	2.01	15.8	.19	**	2.20	4.00	9	4	8.440	0.00
10	1	75.78	1.50	19.8	1.50	19.8	0.00	**	1.50	2.00	10	1	50.600	0.00
11	2	38.37	2.40	62.5	2.18	56.7	.22	**	2.40	4.00	11	2	12.700	0.00
12	3	70.78	2.40	33.9	2.18	30.7	.22	**	2.40	4.00	12	3	9.370	0.00
13	4	77.58	2.30	29.6	1.92	24.8	.38	**	2.30	4.00	13	4	5.140	0.00
14	5	101.33	2.20	21.7	1.77	17.4	.43	**	2.20	4.00	14	5	3.840	0.00
15	2	85.82	2.20	25.6	2.13	24.8	.07	**	2.40	2.00	15	2	14.200	.40
16	3	36.67	2.50	68.2	1.95	53.0	.55	**	2.50	4.00	16	3	4.850	0.00
17	4	63.58	2.60	40.9	2.11	33.1	.49	**	2.60	4.00	17	4	4.200	0.00
18	5	65.51	2.30	35.1	1.52	23.1	.78	**	2.30	4.00	18	5	2.480	0.00
19	6	85.29	2.20	25.8	1.36	16.0	.84	**	2.20	4.00	19	6	2.020	0.00
20	3	77.88	2.10	27.0	1.90	24.4	.20	**	2.10	2.00	20	3	5.170	0.00
21	4	32.36	2.60	80.3	1.38	42.7	1.22	**	2.50	4.00	21	4	2.140	-.20
22	5	55.63	2.60	46.7	1.63	29.2	.97	**	2.60	4.00	22	5	2.100	0.00
23	6	56.69	2.40	42.3	.96	17.0	1.44	**	2.40	4.00	23	6	1.340	0.00
24	4	90.12	1.60	17.8	1.29	14.4	.31	**	1.80	2.00	24	4	3.000	.40
25	5	36.08	2.00	55.4	.28	7.7	1.72	**	2.00	4.00	25	5	1.370	0.00
26	6	61.34	2.40	39.1	1.10	18.0	1.30	**	2.40	4.00	26	6	1.450	0.00

JOB 482 LINE 3-A13 SP1 S 1/2 BEARING S 13 E 12/29/70 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
6.000	0.00	606.000	0.00	1.00	.10	0.0000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	47.90	.80	16.7	.80	16.7	0.00	**	.80	8.00	1	1	128.000	0.00
2	1	49.47	1.70	34.4	1.70	34.4	0.00	**	1.70	8.00	2	1	131.000	0.00
3	2	63.87	2.40	37.6	2.29	35.9	.11	**	2.40	8.00	3	2	42.000	0.00
4	1	68.17	1.90	27.9	1.90	27.9	0.00	**	2.00	8.00	4	1	180.000	.20
5	2	38.25	2.20	57.5	1.97	51.6	.23	**	2.20	8.00	5	2	25.200	0.00
6	3	49.85	2.50	50.1	2.14	42.8	.36	**	2.50	8.00	6	3	13.100	0.00
7	1	143.96	1.50	10.4	1.50	10.4	0.00	**	1.50	8.00	7	1	382.000	0.00
8	2	111.71	2.10	18.8	2.10	18.8	0.00	**	2.20	8.00	8	2	73.600	.20
9	3	60.07	2.40	40.0	2.12	35.3	.28	**	2.40	8.00	9	3	15.800	0.00
10	4	72.64	2.00	27.5	1.59	21.9	.41	**	2.00	8.00	10	4	9.590	0.00
11	2	96.72	1.60	16.5	1.60	16.5	0.00	**	1.60	8.00	11	2	64.100	0.00
12	3	75.74	2.30	30.4	2.10	27.7	.20	**	2.50	8.00	12	3	19.900	.40
13	4	40.29	1.80	44.7	.89	22.1	.91	**	1.80	8.00	13	4	5.330	0.00
14	5	51.45	2.30	44.7	1.22	23.7	1.08	**	2.30	8.00	14	5	3.870	0.00
15	3	135.58	1.80	13.3	1.71	12.6	.09	**	2.00	8.00	15	3	35.800	.40
16	4	103.21	2.20	21.3	1.95	18.9	.25	**	2.20	8.00	16	4	13.600	0.00
17	5	57.39	2.00	34.8	1.06	18.6	.94	**	2.00	8.00	17	5	4.330	0.00
18	6	70.70	1.80	25.5	.72	10.2	1.08	**	1.80	8.00	18	6	3.340	0.00
19	4	223.98	1.80	8.0	1.71	7.7	.09	**	1.90	8.00	19	4	29.600	.20
20	5	166.34	2.40	14.4	2.18	13.1	.22	**	2.40	8.00	20	5	12.500	0.00
21	6	81.39	2.20	27.0	1.31	16.1	.89	**	2.20	8.00	21	6	3.830	0.00

JOB 482 LINE 3-A-13 N 1/2 SP1 BEARING N 34W 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
6.000	0.00	608.000	0.00	1.00	.10	0.0000	.9868

COMPUTED DATA — FIELD DATA

****
ERROR, CUR= ZERO
****

									4.00	-0.00	32	2	37.400	.40

POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
32	2	58 460.64 58	3.80	66 8.2	3.80	8.2	0.00	**	4.00	1.00	32	2	37.400	.40
33	3	54 428.40 -18	4.00	74 9.3	4.00	9.3	0.00	**	4.10	1.00	33	3	13.900	.20
34	4	84 668.40	5.50	65 8.2	5.50	8.2	0.00	**	5.50	1.00	34	4	10.700	0.00
35	5	128 1025.41	7.10	55 6.9	7.10	6.9	0.00	**	7.10	1.00	35	5	9.240	0.00
36	3	35 282.86	3.30	94 11.7	3.30	11.7	0.00	**	3.40	1.00	36	3	9.240	.20
37	4	33 260.82 -8	3.30	100 12.7	3.30	12.7	0.00	**	3.40	1.00	37	4	4.260	.20
38	5	50 401.65	4.20	84 10.5	4.20	10.5	0.00	**	4.20	1.00	38	5	3.720	0.00
39	6	19 632.02	5.60	71 8.9	5.60	8.9	0.00	**	5.60	1.00	39	6	3.610	0.00

JOB 482 LINE 4-A13 SP1 S 1/2 AND N 1/2 FEB 9 1971 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	0.00	196.000	0.00	1.00	.10	0.0000	1.0204

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	48.18	2.20	45.7	2.20	45.7	0.00	**	2.20	6.00	1	1	92.400	0.00
2	2	67.27	3.00	44.6	2.90	43.1	.10	**	3.00	6.00	2	2	32.000	0.00
3	1	79.26	2.10	26.5	2.10	26.5	0.00	**	2.20	6.00	3	1	152.000	.20
4	2	59.34	3.10	52.2	2.98	50.2	.12	**	3.10	6.00	4	2	28.200	0.00
5	3	69.89	3.00	42.9	2.77	39.6	.23	**	3.00	6.00	5	3	13.300	0.00
6	1	168.29	1.60	9.5	1.60	9.5	0.00	**	1.80	9.00	6	1	486.000	.40
7	2	100.28	2.80	27.9	2.80	27.9	0.00	**	2.80	9.00	7	2	71.700	0.00
8	3	73.79	3.30	44.7	3.09	41.8	.21	**	3.30	6.00	8	3	14.000	0.00
9	4	83.43	3.10	37.2	2.76	33.1	.34	**	3.10	6.00	9	4	7.930	0.00
10	1	251.91	1.70	6.7	1.70	6.7	0.00	**	1.80	6.00	10	1	485.000	.20
11	2	232.21	2.20	9.5	2.20	9.5	0.00	**	2.20	9.00	11	2	167.000	0.00
12	3	122.16	3.20	26.2	3.10	25.3	.10	**	3.20	9.00	12	3	34.800	0.00
13	4	88.71	3.00	33.8	2.69	30.3	.31	**	3.00	6.00	13	4	8.440	0.00
14	5	99.31	2.80	28.2	2.35	23.7	.45	**	2.80	6.00	14	5	5.410	0.00
15	2	249.80	1.90	7.6	1.90	7.6	0.00	**	2.00	6.00	15	2	120.000	.20
16	3	195.40	2.40	12.3	2.40	12.3	0.00	**	2.40	9.00	16	3	56.100	0.00
17	4	100.59	3.40	33.8	3.14	31.2	.26	**	3.40	9.00	17	4	14.300	0.00
18	5	75.89	2.90	38.2	2.26	29.7	.64	**	2.90	6.00	18	5	4.130	0.00
19	6	84.30	2.80	33.2	1.95	23.1	.85	**	2.80	6.00	19	6	2.870	0.00
20	3	282.37	2.20	7.8	2.20	7.8	0.00	**	2.30	6.00	20	3	54.100	.20
21	4	212.46	2.40	11.3	2.31	10.9	.09	**	2.40	9.00	21	4	30.500	0.00
22	5	109.48	3.10	28.3	2.71	24.7	.39	**	3.10	9.00	22	5	8.920	0.00
23	6	90.64	3.00	33.1	2.23	24.6	.77	**	3.00	6.00	23	6	3.080	0.00
24	4	249.31	1.80	7.2	1.80	7.2	0.00	**	1.80	6.00	24	4	24.000	0.00
25	5	194.86	2.30	11.8	2.12	10.9	.18	**	2.30	9.00	25	5	16.000	0.00
26	6	108.49	3.00	27.7	2.39	22.1	.61	**	3.00	9.00	26	6	5.530	0.00
27	1	48.24	1.30	26.9	1.30	26.9	0.00	**	1.30	9.00	27	1	140.000	0.00
28	2	68.10	3.20	47.0	3.10	45.5	.10	**	3.20	9.00	28	2	48.500	0.00
29	3	70.42	3.00	42.6	2.77	39.4	.23	**	3.00	6.00	29	3	13.400	0.00
30	1	35.31	.20	5.7	.13	3.7	.07	**	.30	6.00	30	1	69.000	.20
31	2	51.49	1.20	23.3	1.05	20.4	.15	**	1.20	9.00	31	2	37.400	0.00
32	3	68.16	3.30	48.4	3.06	44.9	.24	**	3.30	9.00	32	3	19.400	0.00
33	1	62.02	1.20	19.3	1.20	19.3	0.00	**	1.30	6.00	33	1	120.000	.20
34	2	73.73	1.20	16.3	1.11	15.1	.09	**	1.20	6.00	34	2	35.700	0.00
35	3	93.09	2.50	26.9	2.35	25.2	.15	**	2.50	9.00	35	3	26.700	0.00
36	4	118.49	4.30	36.3	4.09	34.5	.21	**	4.30	9.00	36	4	16.700	0.00
37	5	116.22	3.80	32.7	3.44	29.6	.36	**	3.80	6.00	37	5	6.270	0.00
38	2	76.11	1.80	23.6	1.71	22.5	.09	**	1.90	6.00	38	2	36.600	.20
39	3	91.14	1.50	16.5	1.34	14.7	.16	**	1.50	6.00	39	3	17.600	0.00
40	4	107.20	3.00	28.0	2.76	25.7	.24	**	3.00	9.00	40	4	15.300	0.00
41	5	135.47	4.40	32.5	4.11	30.3	.29	**	4.40	9.00	41	5	10.900	0.00
42	6	130.54	3.60	27.6	3.13	24.0	.47	**	3.60	6.00	42	6	4.410	0.00
43	3	45.21	1.50	33.2	1.08	23.9	.42	**	1.50	6.00	43	3	8.730	0.00
44	4	49.57	1.20	24.2	.51	10.3	.69	**	1.20	6.00	44	4	4.800	0.00
45	5	55.90	2.30	41.1	1.33	23.8	.97	**	2.30	9.00	45	5	4.590	0.00
46	6	71.97	3.80	52.8	2.75	38.2	1.05	**	3.80	9.00	46	6	3.640	0.00
47	4	56.52	2.00	35.4	1.42	25.2	.58	**	2.00	6.00	47	4	5.430	0.00
48	5	59.27	1.20	20.2	.30	5.1	.90	**	1.20	6.00	48	5	3.280	0.00
49	6	64.20	2.60	40.5	1.38	21.5	1.22	**	2.60	6.00	49	6	2.190	0.00

JOB 482 LINE 5/A13 SP1 N 1/2 S 1/2 FEB 10 U971 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	0.00	194.000	0.00	1.00	.10	0.0000	1.0309

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	83.71	1.50	17.9	1.50	17.9	0.00	**	1.50	6.00	1	1	160.000	0.00
2	1	68.85	1.60	23.2	1.60	23.2	0.00	**	1.70	9.00	2	1	197.000	.20
3	2	55.10	2.00	36.3	1.86	33.8	.14	**	2.00	6.00	3	2	26.200	0.00
4	1	51.91	.60	11.6	.60	11.6	0.00	**	.70	9.00	4	1	150.000	.20
5	2	82.22	1.90	23.1	1.82	22.2	.08	**	1.90	9.00	5	2	58.700	0.00
6	3	53.79	2.30	42.8	1.97	36.6	.33	**	2.30	6.00	6	3	10.200	0.00
7	1	37.34	.50	13.4	.44	11.7	.06	**	.60	6.00	7	1	72.000	.20
8	2	69.35	1.10	15.9	1.00	14.5	.10	**	1.10	9.00	8	2	49.900	0.00
9	3	117.42	2.30	19.6	2.19	18.6	.11	**	2.30	9.00	9	3	33.400	0.00
10	4	72.24	2.30	31.8	1.89	26.1	.41	**	2.30	6.00	10	4	6.850	0.00
11	1	43.64	.20	4.6	.20	4.6	0.00	**	.20	6.00	11	1	84.500	0.00
12	2	54.91	.50	9.1	.36	6.6	.14	**	.50	6.00	12	2	26.500	0.00
13	3	96.33	1.20	12.5	1.05	10.9	.15	**	1.20	9.00	13	3	27.700	0.00
14	4	147.65	2.30	15.6	2.15	14.5	.15	**	2.30	9.00	14	4	21.000	0.00
15	5	85.27	2.30	27.0	1.75	20.5	.55	**	2.30	6.00	15	5	4.620	0.00
16	2	80.62	0.00	0.0	-.08	-1.0	.08	**	0.00	6.00	16	2	39.100	0.00
17	3	87.81	.80	9.1	.63	7.2	.17	**	.80	6.00	17	3	16.900	0.00
18	4	144.96	1.40	9.7	1.24	8.6	.16	**	1.40	9.00	18	4	20.800	0.00
19	5	210.61	2.40	11.4	2.24	10.6	.16	**	2.40	9.00	19	5	17.100	0.00
20	6	118.00	2.20	18.6	1.66	14.1	.54	**	2.20	6.00	20	6	4.000	0.00
21	3	82.10	.70	8.5	.52	6.3	.18	**	.80	6.00	21	3	15.800	.20
22	4	81.01	1.00	12.3	.65	8.0	.35	**	1.00	6.00	22	4	7.780	0.00
23	5	130.39	1.60	12.3	1.29	9.9	.31	**	1.60	9.00	23	5	10.670	0.00
24	6	188.99	2.30	12.2	2.02	10.7	.28	**	2.30	9.00	24	6	9.600	0.00
25	4	78.67	.70	8.9	.33	4.2	.37	**	.80	6.00	25	4	7.570	.20
26	5	80.52	1.20	14.9	.61	7.5	.59	**	1.20	6.00	26	5	4.410	0.00
27	6	135.64	2.00	14.7	1.55	11.4	.45	**	2.00	9.00	27	6	6.910	0.00
28	1	86.94	.80	9.2	.80	9.2	0.00	**	.80	9.00	28	1	251.000	0.00
29	2	77.36	1.40	18.1	1.32	17.0	.08	**	1.40	9.00	29	2	55.500	0.00
30	3	49.00	2.10	42.9	1.73	35.2	.37	**	2.10	6.00	30	3	9.310	0.00
31	4	45.95	2.00	43.5	1.24	26.9	.76	**	2.00	6.00	31	4	4.370	0.00
32	1	85.21	.70	8.2	.70	8.2	0.00	**	.80	6.00	32	1	164.000	.20
33	2	116.71	1.20	10.3	1.20	10.3	0.00	**	1.20	9.00	33	2	83.900	0.00
34	3	94.87	1.50	15.8	1.35	14.2	.15	**	1.50	9.00	34	3	27.200	0.00
35	4	57.10	2.00	35.0	1.43	25.0	.57	**	2.00	6.00	35	4	5.430	0.00
36	5	53.87	1.90	35.3	.88	16.4	1.02	**	1.90	6.00	36	5	2.930	0.00
37	2	72.45	.30	4.1	.21	2.9	.09	**	.40	6.00	37	2	35.000	.20
38	3	120.44	1.00	8.3	.89	7.4	.11	**	1.00	9.00	38	3	34.700	0.00
37	4	107.43	1.50	14.0	1.26	11.7	.24	**	1.50	9.00	37	4	15.400	0.00
40	5	68.09	2.00	29.4	1.26	18.4	.74	**	2.00	6.00	40	5	3.700	0.00
41	6	61.60	2.10	34.1	.81	13.2	1.29	**	2.10	6.00	41	6	2.090	0.00
42	3	68.45	.60	8.8	.36	5.3	.24	**	.60	6.00	42	3	13.200	0.00
43	4	131.72	1.40	10.6	1.22	9.3	.18	**	1.40	9.00	43	4	18.900	0.00
44	5	112.94	0.00	0.0	-.37	-3.3	.37	**	0.00	9.00	44	5	9.390	0.00
45	6	72.57	2.20	30.3	1.16	16.0	1.04	**	2.20	6.00	45	6	2.460	0.00
46	4	79.26	.90	11.4	.54	6.8	.36	**	.90	6.00	46	4	7.620	0.00
49	5	154.12	1.70	11.0	1.46	9.4	.24	**	1.70	9.00	49	5	12.600	0.00
48	6	137.34	2.10	15.3	1.66	12.1	.44	**	2.10	9.00	48	6	6.990	0.00

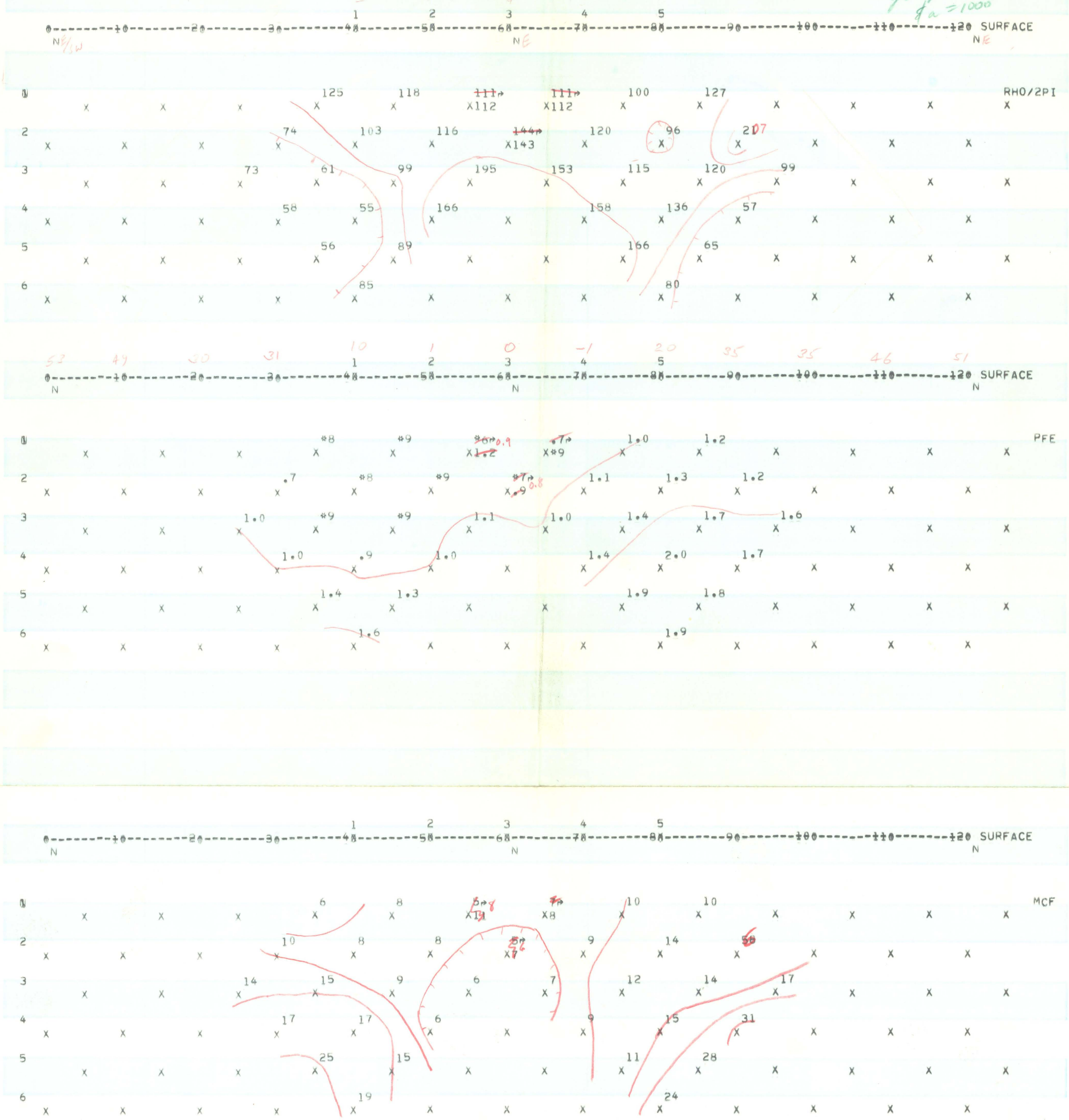
JOB 482 LINE 1-A19 SP1 SW+NE 1/2 1/8/71 1000 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.20	202.000	0.00	3.00	.30	-.2000	.9901

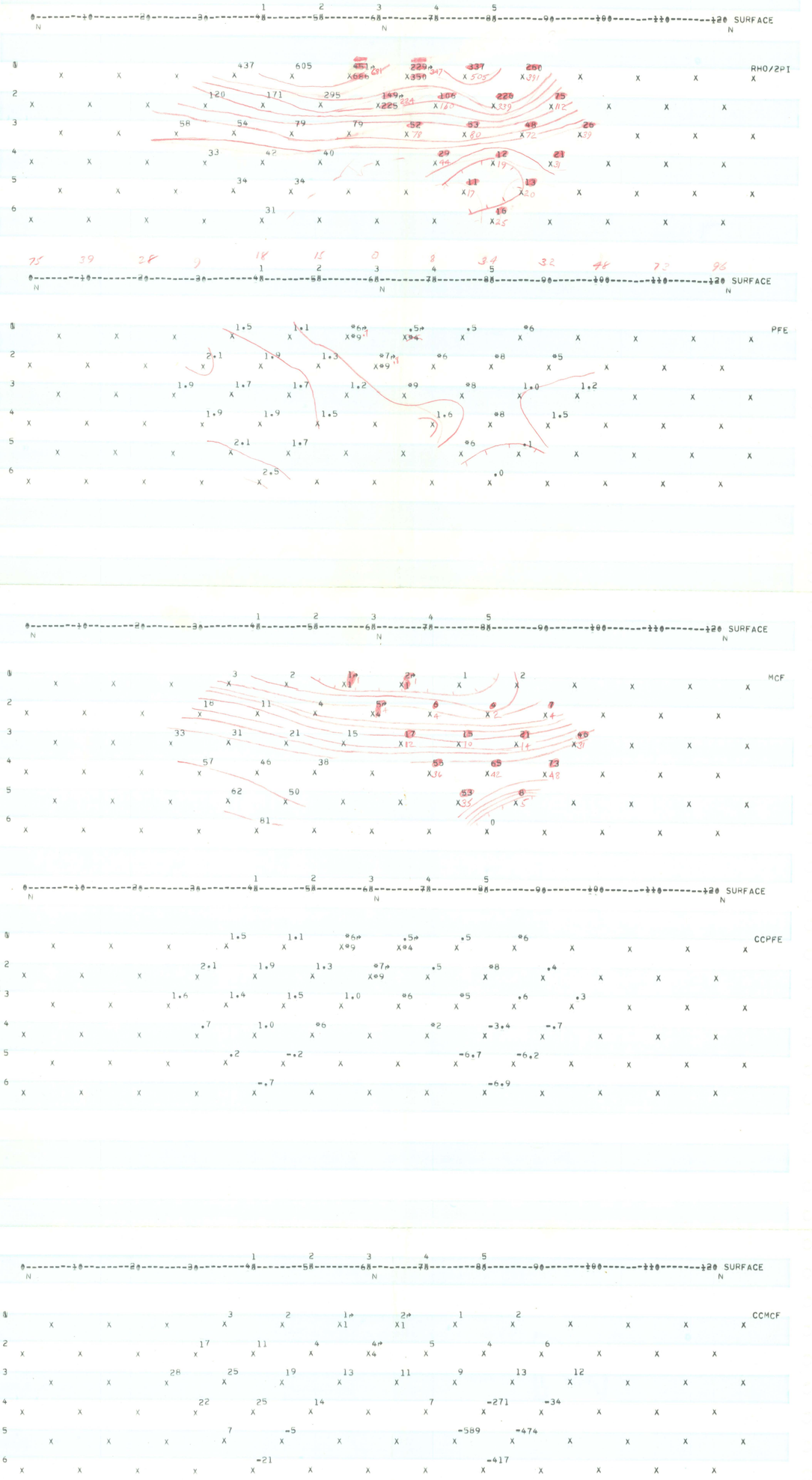
COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	110.89	.90	8.1	.84	7.5	.06	**	.70	3.00	1	1	111.000	0.00
2	2	183.36	1.20	6.5	1.08	5.9	.12	**	1.00	4.00	2	2	61.000	0.00
3	1	81.51	.70	8.6	.60	7.4	.10	**	.50	4.00	3	1	109.000	0.00
4	2	123.24	1.20	9.7	1.00	8.1	.20	**	1.00	4.00	4	2	41.000	0.00
5	3	192.76	1.40	7.3	1.14	5.9	.26	**	1.20	4.00	5	3	25.600	0.00
6	1	110.56	.60	5.4	.54	4.8	.06	**	.40	4.00	6	1	148.000	0.00
7	2	86.40	1.00	11.6	.67	7.7	.33	**	.80	4.00	7	2	28.800	0.00
8	3	134.16	1.50	11.2	1.08	8.0	.42	**	1.30	4.00	8	3	17.800	0.00
9	4	203.90	1.70	8.3	1.25	6.1	.45	**	1.50	4.00	9	4	13.500	0.00
10	1	65.25	.90	13.8	.76	11.7	.14	**	.80	4.00	10	1	87.000	.20
11	2	82.58	1.10	13.3	.74	9.0	.36	**	.90	4.00	11	2	27.500	0.00
12	3	69.66	1.30	18.7	.28	4.0	1.02	**	1.10	4.00	12	3	9.260	0.00
13	4	114.75	1.80	15.7	.82	7.2	.98	**	1.60	4.00	13	4	7.590	0.00
14	5	173.81	2.10	12.1	1.18	6.8	.92	**	1.90	4.00	14	5	6.550	0.00
15	2	135.24	1.30	9.6	1.12	8.3	.18	**	1.20	4.00	15	2	44.900	.20
16	3	173.52	1.60	9.2	1.30	7.5	.30	**	1.40	4.00	16	3	23.000	0.00
17	4	155.88	1.90	12.2	1.25	8.0	.65	**	1.70	4.00	17	4	10.300	0.00
18	5	263.75	2.30	8.7	1.77	6.7	.53	**	2.10	4.00	18	5	9.920	0.00
19	6	398.11	2.50	6.3	2.04	5.1	.46	**	2.30	4.00	19	6	9.340	0.00
20	3	127.38	1.40	11.0	.95	7.4	.45	**	1.30	4.00	20	3	16.900	.20
21	4	145.30	1.60	11.0	.89	6.1	.71	**	1.50	4.00	21	4	9.620	.20
22	5	133.08	2.00	15.0	.69	5.1	1.31	**	1.80	4.00	22	5	5.020	0.00
23	6	226.55	2.60	11.5	1.61	7.1	.99	**	2.40	4.00	23	6	5.310	0.00
24	4	73.04	2.00	27.4	.23	3.2	1.77	**	1.70	6.00	24	4	7.240	-.20
25	5	80.64	1.40	17.4	-1.12	-13.8	2.52	**	1.20	6.00	25	5	4.590	0.00
26	6	74.38	2.40	32.3	-1.74	-23.4	4.14	**	2.20	6.00	26	6	2.620	0.00
27	1	79.50	1.00	12.6	.90	11.3	.10	**	.80	3.00	27	1	79.500	0.00
28	1	111.64	.90	8.1	.84	7.5	.06	**	.70	4.00	28	1	149.000	0.00
29	2	122.34	1.20	9.8	.99	8.1	.21	**	1.00	4.00	29	2	40.700	0.00
30	1	172.50	.90	5.2	.90	5.2	0.00	**	.80	4.00	30	1	230.000	.20
31	2	182.10	1.00	5.5	.88	4.8	.12	**	.80	4.00	31	2	60.700	0.00
32	3	189.56	1.30	6.9	1.04	5.5	.26	**	1.10	2.00	32	3	12.600	0.00
33	1	233.77	.90	3.8	.90	3.8	0.00	**	.70	2.00	33	1	156.000	0.00
34	2	124.80	1.00	8.0	.80	6.4	.20	**	.80	2.00	34	2	20.800	0.00
35	3	123.39	1.20	9.7	.73	5.9	.47	**	1.00	2.00	35	3	8.210	0.00
36	4	123.24	1.20	9.7	.31	2.5	.89	**	1.00	2.00	36	4	4.100	0.00
37	1	137.22	1.00	7.3	1.00	7.3	0.00	**	1.00	2.00	37	1	91.300	.40
38	2	114.94	1.20	10.4	.97	8.5	.23	**	1.10	2.00	38	2	19.100	.20
39	3	59.13	1.30	22.0	.03	.5	1.27	**	1.10	2.00	39	3	3.930	0.00
40	4	58.13	1.40	24.1	-.97	-16.7	2.37	**	1.20	2.00	40	4	1.930	0.00
41	5	59.09	1.50	25.4	-2.23	-37.7	3.73	**	1.30	2.00	41	5	1.120	0.00
42	2	146.23	1.20	8.2	1.04	7.1	.16	**	1.10	2.00	42	2	24.300	.20
43	3	119.64	1.20	10.0	.70	5.9	.50	**	1.00	2.00	43	3	7.960	0.00
44	4	69.27	1.40	20.2	-.49	-7.1	1.89	**	1.20	2.00	44	4	2.300	0.00
45	5	69.77	1.30	18.6	-1.72	-24.7	3.02	**	1.10	4.00	45	5	2.650	0.00
46	6	74.37	2.20	29.6	-1.94	-26.1	4.14	**	2.00	4.00	46	6	1.750	0.00
47	3	219.43	1.20	5.5	.99	4.5	.21	**	1.00	2.00	47	3	14.600	0.00
48	4	167.46	1.40	8.4	.81	4.8	.59	**	1.20	3.00	48	4	8.340	0.00
49	5	91.54	1.60	17.5	-.54	-5.9	2.14	**	1.40	3.00	49	5	2.600	0.00
50	6	90.17	1.80	20.0	-1.45	-16.1	3.25	**	1.60	4.00	50	6	2.130	0.00

HEINRICHS GEOEX JOB 482-70 LINE 1 SPREAD 1 LOOKING N 35W 1-11-70 A= 1000 FEET

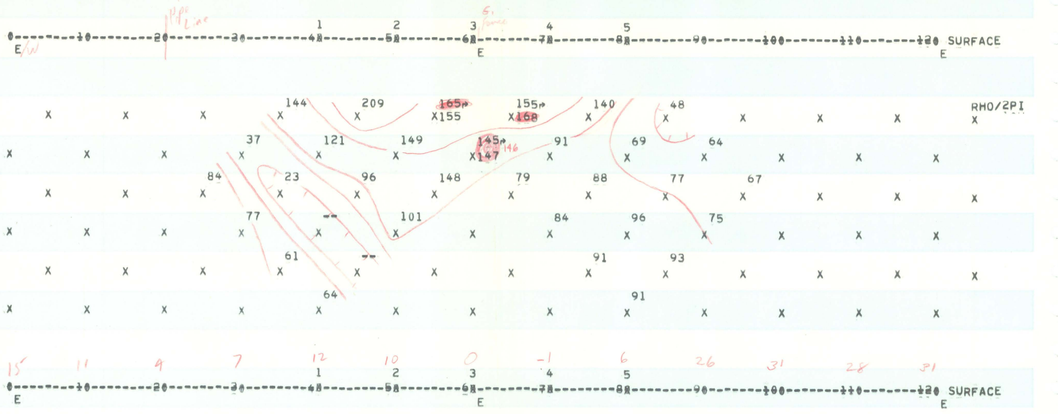
All of this group is 0.1 & 1.0 Hz & a = 1000'

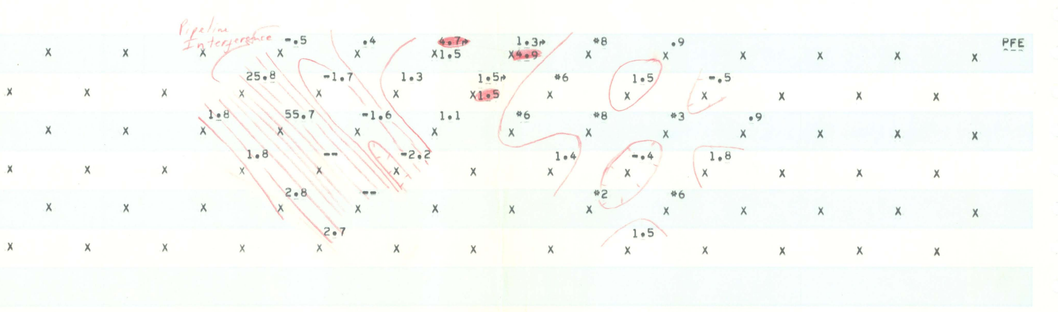


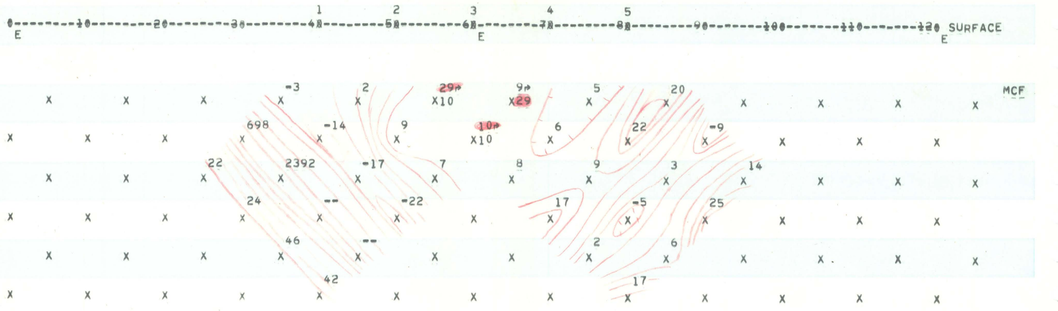
HEINRICHS GEOEX JOB 482-70 LINE 2 SPREAD 1 LOOKING W 1-8-70 A= 1000 FEET

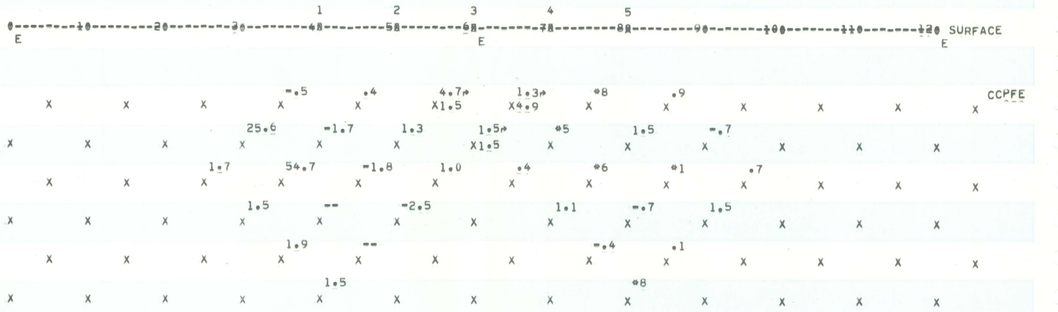


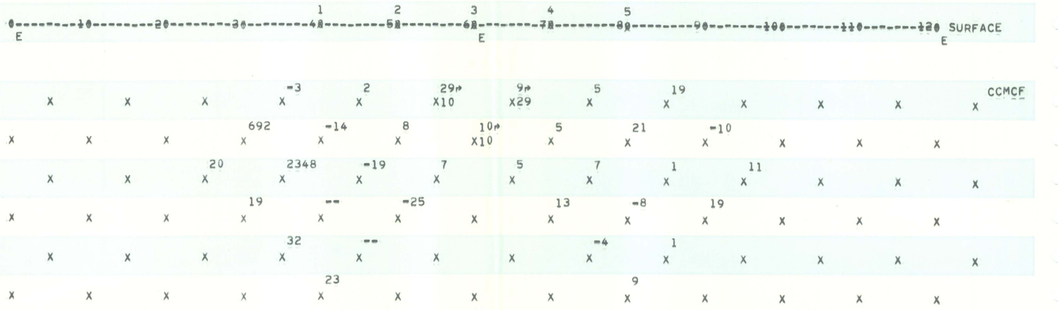
HEINRICHS GEOEX JOB 482-69 LINE 3 SPREAD 1 LOOKING NORTH 1-9-70 A= 1000 FEET



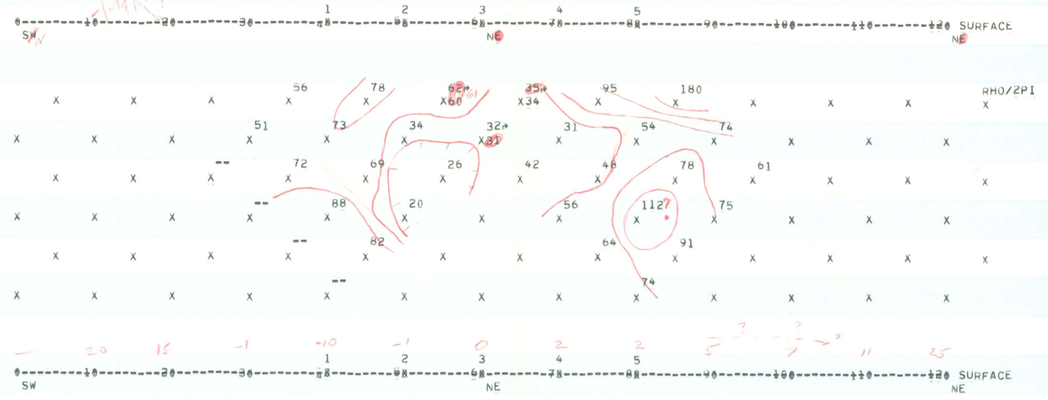


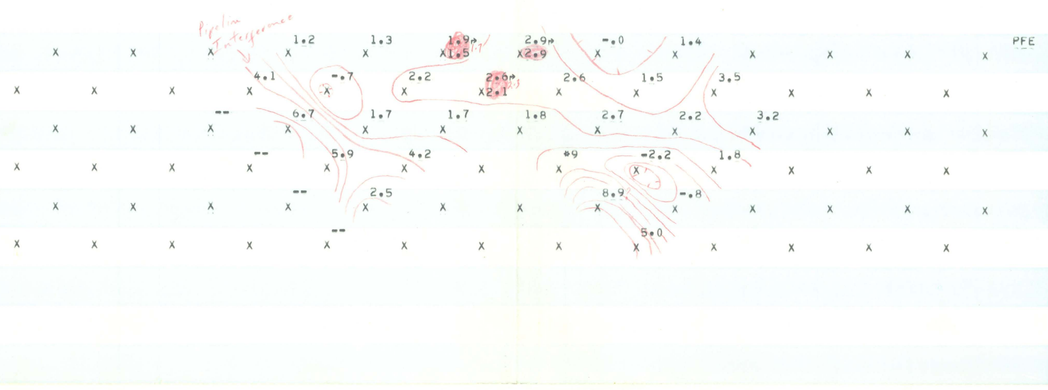


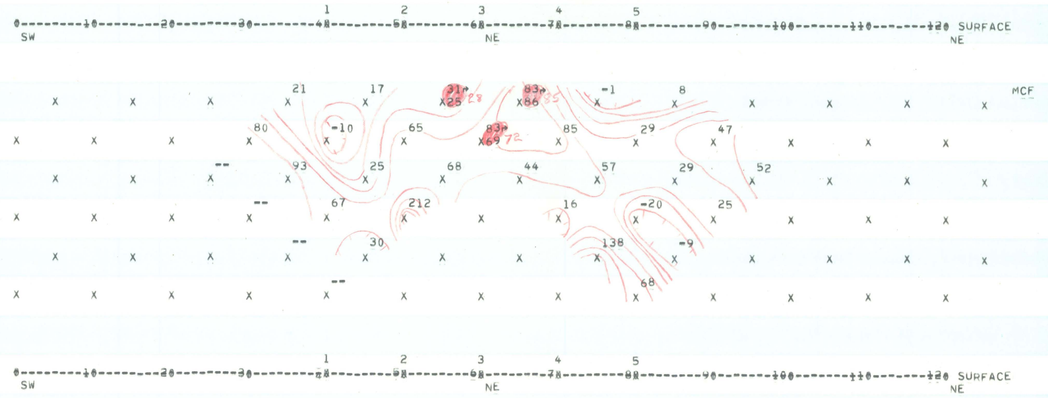


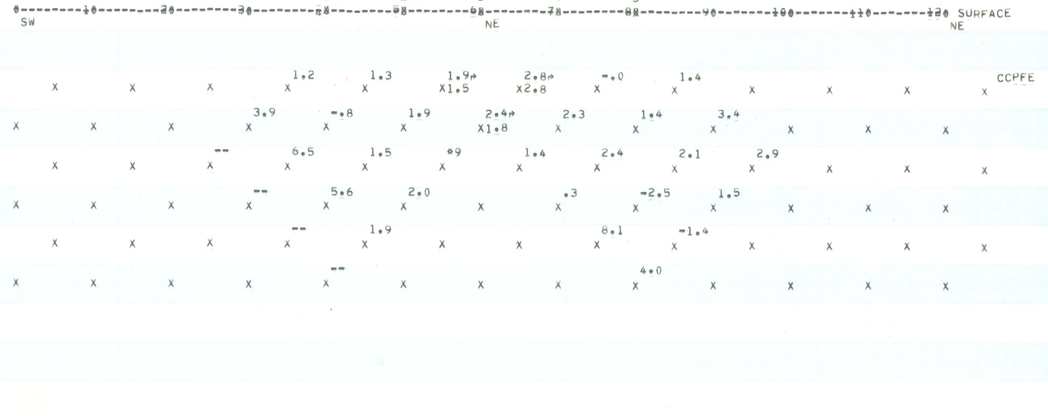


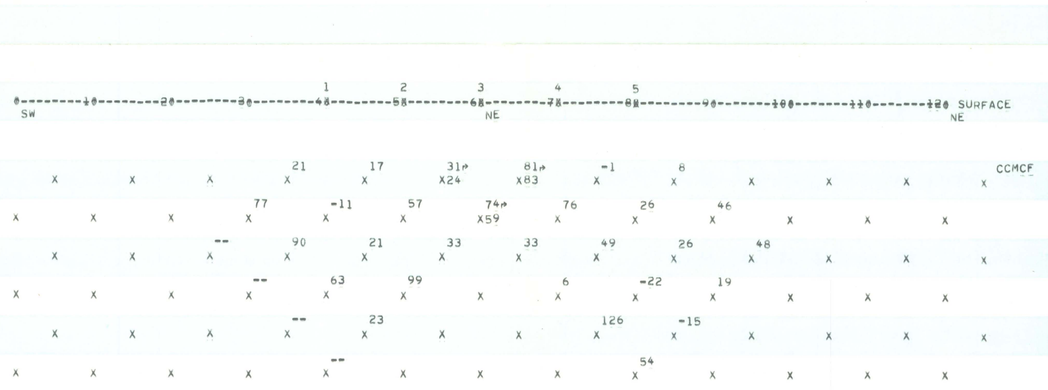
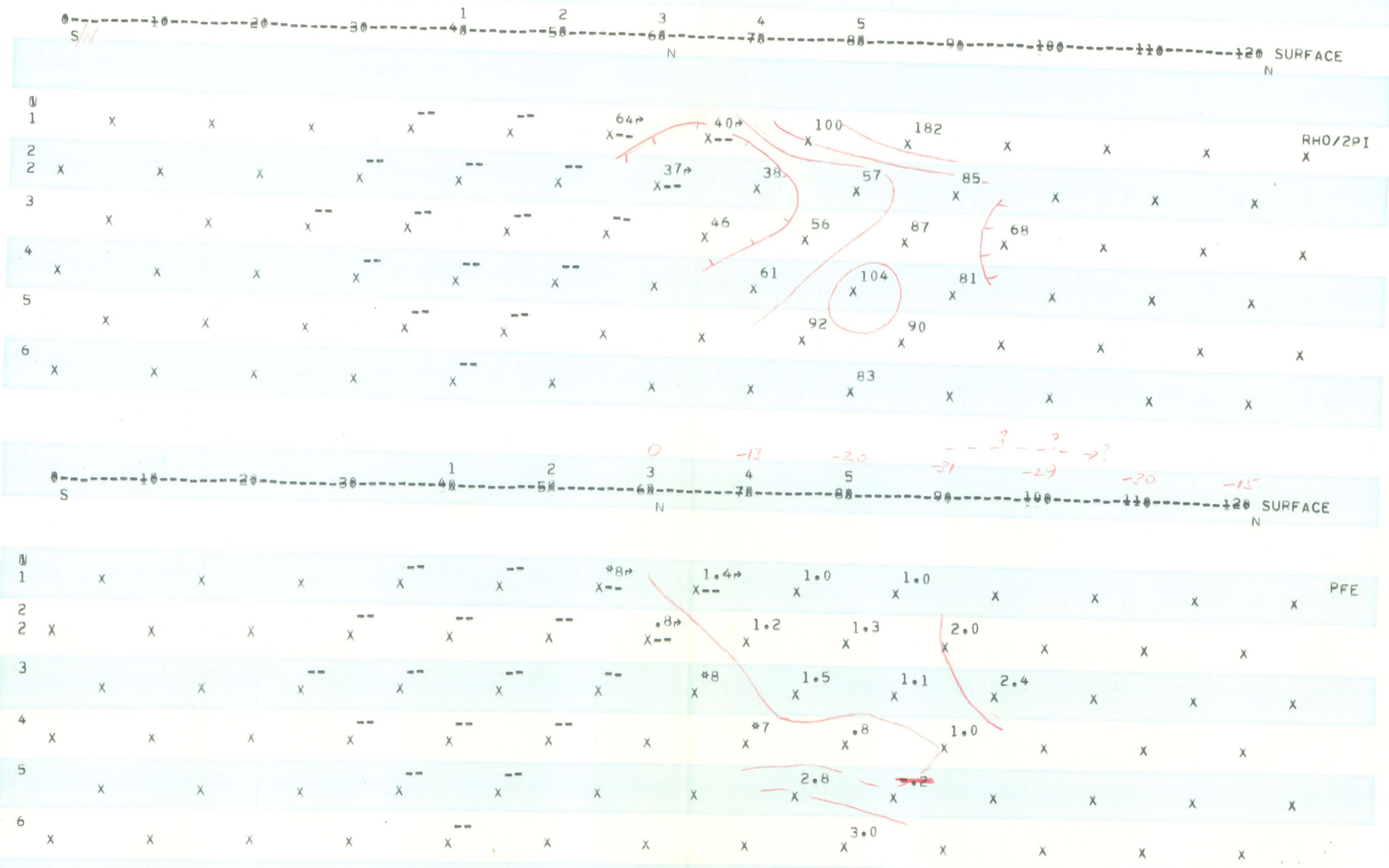
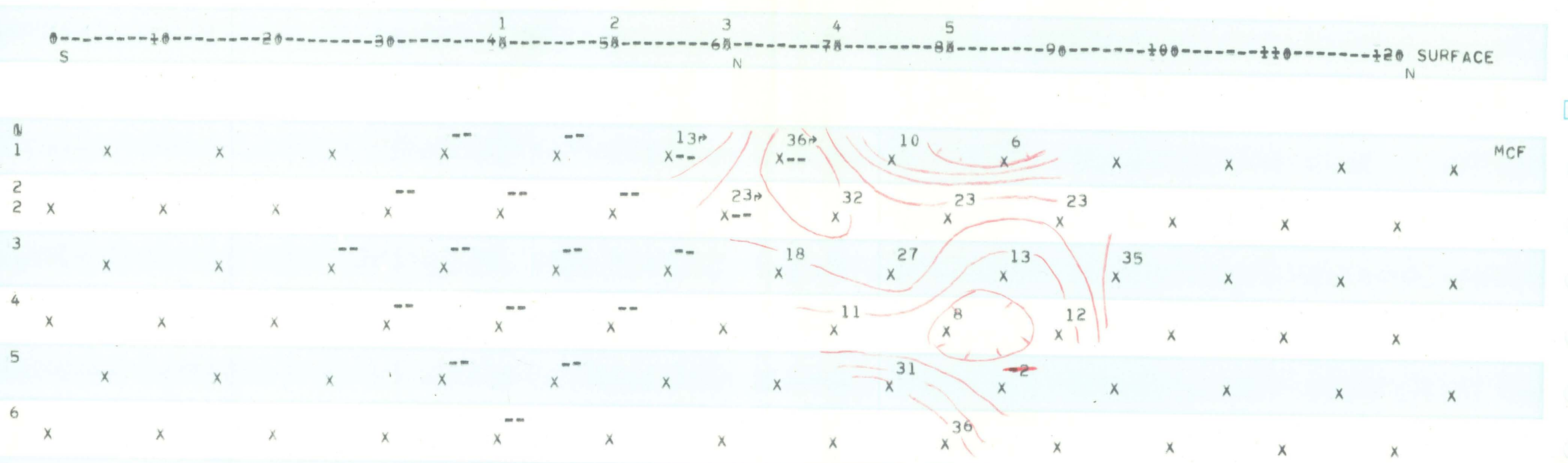
HEINRICHS GEOEX JOB 482-69 LINE 4 SPREAD 1 LOOKING N80W 1-15-70 A= 1000 FEET











HEINRICHS GEOEX JOB 482 LINE 4 SPREAD 1 REPT N½ LOOKING ~~W~~ N80W 2-10-70 A= 1000 FEET