HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT Superior #585
LINE 7 HALF W SP. 1 DATE 1-12-71

SEND	4-5	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4	
RECEIVE	10-12.5	→	12.5—	15W	→	→	15-17.5W	→	→	
RANGE	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1	
DC 1	2.8	3.8	1.3	1.9	2.6	2.9	0.9	1.4	1.9	
DC 2										
DC 3										
DC 4 Pm	0.6	0.3	2	1	1	0.6	2	1	1	
DC 5 #	29	30	31	32	33	34	35	36	37	
DC 6 n	5	6	3	4	5	6	4	5	6	
DC 7										
DC 8										
DC AVG.										
AC 1	1.82	1.36	18.6	3.62	3.46	1.28	8.06	1.92	1.54	
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
AC AVG.										
S.P.			−0.7				−2.2			
AC NOISE										
POT RES.			5K				6K			

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF E SP. 1 DATE 1-13-71

SEND	S.P.	S.P.	S.P.	S.P.	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE	0-2.5W	2.5-5W	5-7.5	7.5-10W	10-12.5	→	→	→	→	12.5-15E
RANGE					10	10	1.0	1.0	1.0	10
DC 1					2.1	2.0	2.8	3.2	2.9	1.0
DC 2										
DC 3										
DC 4 Cm					0.3	0.6	1	1	2	0.9
DC 5 #					38	39	40	41	42	43
DC 6 n					1	2	3	4	5	1
DC 7										
DC 8										
DC AVG.										
AC 1					352.	107.	97.6	14.3	21.9	407.
AC 2					0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+6.8	+28.0	-9.1	-5.4	-5.3					+5.3
AC NOISE										
POT RES.	5K	6K	8K	10K	4K					4K

Trouble keeping current in electrodes!

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF E SP. 1 DATE 1-13-71

PAGE 6

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	12.5	15	→	→	→	15-17.5	→	→	→	→
RANGE	1.0	1.0	1.0	0.1	0.1	10	1.0	0.1	0.1	0.1
DC 1	0.7	0.8	1.5	1.7	1.4	1.1	1.1	0.9	1.5	1.8
DC 2										
DC 3										
DC 4 Cu	0.6	0.6	1	2	2	0.9	0.3	0.6	1	2
DC 5 #	44	45	46	47	48	49	50	51	52	53
DC 6 #	2	3	4	5	6	2	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	53.3	11.1	11.4	3.80	3.21	218.	18.2	8.31	9.26	3.42
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.						+2.3				
AC NOISE										
POT RES.						3K				

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF ℄ SP. 1 DATE 1-13-71

SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5	6-7	5-6	6-7
RECEIVE	17.5 →	20 →	→	→	20-22.5	→	→	22.5 →	25 →	25-27.5
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1	2.3	2.1	2.1	2.8	3.4	3.4	3.1	3.4	3.1	3.5
DC 2										
DC 3										
DC 4 Pin	0.6	0.3	0.6	1	0.6	0.3	0.6	0.6	0.3	0.6
DC 5 #	54	55	56	57	58	59	60	61	62	63
DC 6 n	3	4	5	6	4	5	6	5	6	6
DC 7										
DC 8										
DC AVG.										
AC 1	283.	41.3	20.6	24.0	170.	27.2	14.7	71.6	12.7	71.4
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	-5.3				+12.7			-10.6		-8.3
AC NOISE										
POT RES.	9K				60K			60K		20K

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR # 585 LINE 7 HALF W SP. 1 DATE 12 Jan 13 Jan

PAGE 1

SEND	CAL	4-5	3-4	2-3	1-2	3-4	2-3	1-2	2-3	1-2
RECEIVE	3-4	6-7	→	→	→	5-6	→	→	4-5	→
RANGE	10x100	3x300	10x100	10x100	10x200	10x100	10x100	10x200	10x100	10x200
VOLTAGE	500	580	500	300	400	500	320	400	330	400
CURRENT	1.0	0.9	1.0	1.0	2.0	1.0	1.0	2.0	1.0	2.0
SEND	1-2 *	3-4	4-5	5-6	6-7	2-3	3-4	4-5	5-6	6-7
RECEIVE	3-4	2.5-5N	→	→	→	5-7.5N	→	→	→	→
RANGE	10x200	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10
VOLTAGE	400	550	730	740	680	340	550	730	740	680
CURRENT	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR T. FREEMAN

RECEIVER NO. 20693 R

OPERATOR B. FREEMAN

COMMENTS:

* 13 Jan 71 Calibration
3-4
100x10
560
1.0

6 5

0 2.5 5 7.5 10 12.5 15 17.5

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Superior # 585

LINE 7 HALF W SP. 1 DATE 1-13-71

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	7.5-10	→	→	→	→	→	10-12.5	→	→	→
RANGE	200×10	200×10	100×10	100×10	100×3	100×10	200×10	100×10	100×10	200×3
VOLTAGE	370	690	550	730	220	680	370	340	550	440
CURRENT	2.0	2.0	1.0	1.0	0.3	1.0	2.0	1.0	1.0	0.6
SEND	5-6	1-2	2-3	3-4	4-5	1-2	2-3	3-4		
RECEIVE	10-12.5	12.5-15	→	→	→	15-17.5W	→	→		
RANGE	100×3	200×10	100×10	100×10	200×3	200×10	100×10	100×10		
VOLTAGE	220	370	340	550	440	370	330	540		
CURRENT	0.3	2.0	1.0	1.0	0.6	2.0	1.0	1.0		

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR Ton Freeman

RECEIVER NO.

OPERATOR W J Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR 585

LINE 7 HALF E SP. 1 DATE 1-13-71

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	2-3	10-12.5	→	→	→	→	12.5-15	E →	→	→
RANGE		100×3	200×3	100×10	100×10	200×10	300×3	200×3	200×3	100×10
VOLTAGE	NO NEED	220	430	510	300	360	610	430	430	510
CURRENT		0.3	0.6	1.0	1.0	2.0	0.9	0.6	0.6	1.0
SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5
RECEIVE	→	→	15-17.5	E →	→	→	→	17.5-20	→	→
RANGE	200×10	200×10	300×3	100×3	200×3	100×10	200×10	200×3	100×3	200×3
VOLTAGE	600	360	610	220	420	500	600	400	210	420
CURRENT	2.0	2.0	0.9	0.3	0.6	1.0	2.0	0.6	0.3	0.6

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR Tom Freeman

RECEIVER NO.

OPERATOR W J Freeman

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 7 HALF E SP. 1 DATE 1-13-71

SEND	3-4	6-7	5-6	4-5	6-7	5-6	6-7			
RECEIVE	17.5-20	20-22.5	→		22.5 - 25		25-27.5			
RANGE	100×10	200×3	100×3	200×3	200×3	100×3	200×3			
VOLTAGE	500	400	210	420	400	210	400			
CURRENT	1.0	0.6	0.3	0.6	0.6	0.3	0.6			
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR Tom Freeman

RECEIVER NO.

OPERATOR W J Freeman

COMMENTS:

.75
.5
.375

.75
.50
.95
.62
.45

Job 585, Line 7, Spr. 2, E½, 1/13/71

250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585'
LINE 7 HALF E SP. 2 DATE 1-13-71

PAGE 1

SEND	CAL	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	3-4	67.5-70W	→	70-72.5	→		72.5-75	→		
RANGE	1.0	10	10	10	1.0	1.0	10	1.0	1.0	1.0
DC 1	0.1	2.7	2.1	3.5	1.9	1.6	3.8	3.5	2.1	1.8
DC 2										
DC 3										
DC 4 Pin	1.0	2	3	2	2	3	2	2	2	3
DC 5 #	1	1	2	3	4	5	6	7	8	9
DC 6 #		1	2	1	2	3	1	2	3	4
DC 7										
DC 8										
DC AVG.										
AC 1	101.1	320.	139.	250.	61.9	41.0	236.	95.2	34.0	27.9
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	+4.6		+6.9			-6.0			
AC NOISE	0.3									
POT RES.		0.8k		5k			3k			

77.5 ON ROAD

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF E SP. 2 DATE 1-13-71

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	75 —	77.5	→	→	→	77.5 —	80	→	→	→
RANGE	10	1.0	1.0	1.0	1.0	10	1.0	1.0	1.0	1.0
DC 1	3.0	3.5	2.7	1.5	1.5	1.4	2.6	2.9	2.3	1.3
DC 2										
DC 3										
DC 4 Qu	3	2	2	2	3	3	2	2	2	2
DC 5 #	10	11	12	13	14	15	16	17	18	19
DC 6 n	1	2	3	4	5	1	2	3	4	5
DC 7										
DC 8										
DC AVG.										
AC 1	259.	79.9	49.2	20.7	20.4	263.	45.5	33.0	25.0	11.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+3.5					+6.0				
AC NOISE										
POT RES.	6K					6K				

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 7 HALF E SP. 2 DATE 7-13-71

SEND	1-2		1-2							
RECEIVE	77.5-80		3-4							
RANGE	1.0		10							
DC 1	1.3		1.7							
DC 2										
DC 3										
DC 4 Sm	3		3							
DC 5 #	20		21							
DC 6 n	6		1							
DC 7										
DC 8										
DC AVG.										
AC 1	12.7		518.							
AC 2	0.0		0.0							
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585 PAGE 1

LINE 7 HALF E SP. 2 DATE 1-13-71

SEND	CAL	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	3-4	67.5-70	E →	70-72.5	E →		72.5 →	75	→	
RANGE	10x100	10x200	10x300	10x200	10x200	10x300	10x200	10x200	10x200	10x300
VOLTAGE	180	380	360	380	380	360	275	380	380	380
CURRENT	1.0	2.0	3.0	2.0	2.0	3.0	2.0	2.0	2.0	3.0
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	75 →	77.5	→			77.5 →	80	→		
RANGE	300x10	200x10	200x10	200x10	300x10	300x10	200x10	200x10	200x10	200x10
VOLTAGE	300	300	300	380	375	200	225	330	385	380
CURRENT	3.0	2.0	2.0	2.0	3.0	3.0	2.0	2.0	2.0	2.0

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR T. FREEMAN

RECEIVER NO. 20693R

OPERATOR B. FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 7 HALF E SP. 2 DATE 1-13-71

PAGE 2

SEND	1-2	1-2								
RECEIVE	77.5-80	3-4								
RANGE	300x10	300x10								
VOLTAGE	370	375								
CURRENT	3.0	3.0								
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

Job 585, Line 7, Spr. 2, W½, 1/13/71 250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF W SP. 2 DATE 1-13-71

SEND	CAL	S.P.	S.P.	S.P.	2-3	3-4	4-5	5-6	6-7	1-2
RECEIVE	4-5	67.5-65	65-62.5	62.5-60	60-57.5	W				57.5-55
RANGE	1.0				10	10	1.0	1.0	1.0	10
DC 1	0.1				0.9	1.1	2.0	1.4	1.7	0.9
DC 2										
DC 3										
DC 4 Cu	1.0				2	2	1	2	3	3
DC 5 #	2				1	2	3	4	5	6
DC 6 M					1	2	3	4	5	1
DC 7										
DC 8										
DC AVG.										
AC 1					278.	139.	27.3	19.4	22.3	474.
AC 2	101.0				0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.	0.0									
S.P.		+7.5	+25.5	-1.6	+19.6					+16.1
AC NOISE	3.0									
POT RES.	0.3	3 K	12 K	2 K	5 K					8 K

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 7 HALF W SP. 2 DATE 1-13-71

PAGE 5

SEND	2-3	3-4	4-5	5-6	6-7					
RECEIVE	57.5	55	→	→	→					
RANGE	1.0	1.0	1.0	1.0	1.0					
DC 1	1.0	1.5	2.3	1.8	1.9					
DC 2										
DC 3										
DC 4 Em	2	2	1	2	3					
DC 5 #	7	8	9	10	11					
DC 6 n	2	3	4	5	6					
DC 7										
DC 8										
DC AVG.										
AC 1	129.	92.2	21.0	17.0	20.9					
AC 2	0.0	0.0	0.0	0.0	0.0					
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT Superior # 585

LINE 7 HALF W SP. 2 DATE 1-13-71

SEND	CAL	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	4-5	60-67.5	→	→	→	→	57.5	55	→	→
RANGE	100x10	200x10	200x10	100x10	200x10	300x10	300x10	200x10	200x10	100x10
VOLTAGE	170	380	390	200	250	200	370	380	390	200
CURRENT	1.0	2.0	2.0	1.0	2.0	3.0	3.0	2.0	2.0	1.0
SEND	5-6	6-7								
RECEIVE	→	→								
RANGE	200x10	300x10								
VOLTAGE	250	200								
CURRENT	2.0	3.0								

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR T Freeman

RECEIVER NO.

OPERATOR B Freeman

COMMENTS:

JOB 585 LINE 7 SPREAD 2 EAST 1/2 1/13/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.100	0.00	3.00	.30	.1000	.9891

COMPUTED DATA

POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	
1	1	121.78	2.60	21.3	2.60	21.3	0.00	**
2	2	140.24	2.00	14.3	2.00	14.3	0.00	**
3	1	95.88	3.40	35.5	3.40	35.5	0.00	**
4	2	93.49	1.80	19.3	1.80	19.3	0.00	**
5	3	102.91	1.50	14.6	1.50	14.6	0.00	**
6	1	90.78	3.70	40.8	3.70	40.8	0.00	**
7	2	146.05	3.40	23.3	3.40	23.3	0.00	**
8	3	128.64	2.00	15.5	2.00	15.5	0.00	**
9	4	140.33	1.70	12.1	1.70	12.1	0.00	**
10	1	65.90	2.90	44.0	2.90	44.0	0.00	**
11	2	122.58	3.40	27.7	3.40	27.7	0.00	**
12	3	187.24	2.60	13.9	2.60	13.9	0.00	**
13	4	155.71	1.40	9.0	1.40	9.0	0.00	**
14	5	179.03	1.40	7.8	1.40	7.8	0.00	**
15	1	65.88	1.30	19.7	1.30	19.7	0.00	**
16	2	69.20	2.50	36.1	2.50	36.1	0.00	**
17	3	125.83	2.80	22.3	2.80	22.3	0.00	**
18	4	189.54	2.20	11.6	2.20	11.6	0.00	**
19	5	155.03	1.20	7.7	1.20	7.7	0.00	**
20	6	177.98	1.20	6.7	1.20	6.7	0.00	**
21	1	130.14	1.60	12.3	1.60	12.3	0.00	**

FIELD DATA

PFE	CUR	PT.	N	AC1	AC2
2.70	2.00	1	1	320.000	0.00
2.10	3.00	2	2	139.000	0.00
3.50	2.00	3	1	250.000	0.00
1.90	2.00	4	2	61.900	0.00
1.60	3.00	5	3	41.000	0.00
3.80	2.00	6	1	236.000	0.00
3.50	2.00	7	2	95.200	0.00
2.10	2.00	8	3	34.000	0.00
1.80	3.00	9	4	27.900	0.00
3.00	3.00	10	1	259.000	0.00
3.50	2.00	11	2	79.900	0.00
2.70	2.00	12	3	49.200	0.00
1.50	2.00	13	4	20.700	0.00
1.50	3.00	14	5	20.400	0.00
1.40	3.00	15	1	263.000	0.00
2.60	2.00	16	2	45.500	0.00
2.90	2.00	17	3	33.000	0.00
2.30	2.00	18	4	25.000	0.00
1.30	2.00	19	5	11.800	0.00
1.30	3.00	20	6	12.700	0.00
1.70	3.00	21	1	518.000	0.00

JOB 585 LINE 7 SPREAD 2 WEST 1/2 1/13/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.000	0.00	3.00	.30	.1000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	104.04	.80	7.7	.80	7.7	0.00	**	.90	2.00	1	1	278.000	0.00
2	2	208.50	1.00	4.8	1.00	4.8	0.00	**	1.10	2.00	2	2	139.000	0.00
3	3	206.57	1.90	9.2	1.90	9.2	0.00	**	2.00	1.00	3	3	27.300	0.00
4	4	145.93	1.30	8.9	1.30	8.9	0.00	**	1.40	2.00	4	4	19.400	0.00
5	5	196.28	1.60	8.2	1.60	8.2	0.00	**	1.70	3.00	5	5	22.300	0.00
6	1	118.27	.80	6.8	.80	6.8	0.00	**	.90	3.00	6	1	474.000	0.00
7	2	193.31	.90	4.7	.90	4.7	0.00	**	1.00	2.00	7	2	129.000	0.00
8	3	347.12	1.40	4.0	1.40	4.0	0.00	**	1.50	2.00	8	3	92.200	0.00
9	4	318.74	2.20	6.9	2.20	6.9	0.00	**	2.30	1.00	9	4	21.000	0.00
10	5	224.67	1.70	7.6	1.70	7.6	0.00	**	1.80	2.00	10	5	17.000	0.00
11	6	294.92	1.80	6.1	1.80	6.1	0.00	**	1.90	3.00	11	6	20.900	0.00

Job 585, Line 8, Spri 1, E½, 1/14/71

250.

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 1 DATE 1-14-71

PAGE 1

SEND	CAL	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6	4-5
RECEIVE	4-5	15-17.5	E →		17.5-20	E →			20-22.5	E →
RANGE	1.0	10	1.0	1.0	10	1.0	1.0	1.0	10	10
DC 1	0.1	4.4	6.3	6.1	5.2	4.5	6.2	5.2	3.6	4.4
DC 2										
DC 3										
DC 4 Em	1.0	1	1	1	2	1	1	1	1	2
DC 5 #	1	1	2	3	4	5	6	7	8	9
DC 6 n		1	2	3	1	2	3	4	1	2
DC 7										
DC 8										
DC AVG.										
AC 1	101.2	136.	33.4	20.7	415.	47.9	18.9	13.8	146.	137.
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0	-3.1			+15.5				+5.7	
AC NOISE	0.3									
POT RES.		6K			10K				7K	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 1 DATE 1-14-71

SEND	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2	7-8
RECEIVE	20-22.5	→	→	22.5	25 E	→	→	→	→	25-27.5
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.1	0.1	10
DC 1	3.2	4.9	3.9	5.3	4.6	5.4	4.1	5.2	4.2	5.7
DC 2										
DC 3										
DC 4 Gn	1	1	1	0.6	1	2	1	1	1	0.6
DC 5 #	10	11	12	13	14	15	16	17	18	19
DC 6 n	3	4	5	1	2	3	4	5	6	1
DC 7										
DC 8										
DC AVG.										
AC 1	25.9	12.6	10.3	64.0	37.1	60.1	14.3	7.75	6.87	84.1
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.				+11.6						-14.1
AC NOISE										
POT RES.				5K						9K

OVER!

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR & SBS

LINE 8 HALF E SP. 1 DATE 1-14-71

SEND	6-7	5-6	4-5	3-4	2-3	7-8	6-7	5-6	4-5	3-4
RECEIVE	25-27.5	→				27.5	30E	→		
RANGE	1.0	1.0	1.0	1.0	0.1	1.0	0.1	1.0	1.0	0.1
DC 1	6.1	5.7	5.7	4.1	6.2	7.6	7.3	6.2	10.5	6.1
DC 2										
DC 3										
DC 4 Pen	0.3	1	2	1	1	0.6	0.3	1	2	1
DC 5 #	20	21	22	23	24	25	26	27	28	29
DC 6 n	2	3	4	5	6	2	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	12.3	24.8	41.6	11.0	6.30	27.0	6.24	15.1	27.0	7.54
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.						+2.9				
AC NOISE										
POT RES.						11K				

4.5

27.5 - 30

7.8

.53 $\boxed{.477}$

1.52 $\boxed{1.477}$

3 H 2	27.0	4.2
1 H 7	6.8	7.9
0.3	10.5	12.0
0.1	14.6	

? (coupling)?

$6.8 - x = 5.01 - .48$

$1.79 = 0.52x \qquad x = 3.4$

$$\frac{(6.8-x)}{(10.5-x)} = 0.477$$

$$\frac{14.6-x}{10.5-x} = 1.477$$

$14.6 = 15.5 - 0.48x$

$0.48x = 0.9 \qquad x = 1.8$

2.6

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 8 HALF E SP. 1 DATE 1-19-71

SEND	7-8	6-7	5-6	4-5	7-8	6-7	5-6	7-8	6-7	7-8
RECEIVE	30-32.5	→	→	→	32.5-35	→	→	35-37.5	5-6 →	37.5-40
RANGE	1.0	0.1	0.1	1.0	0.1	0.1	0.1	0.1	0.1	0.1
DC 1	5.9	5.1	3.7	5.3	5.3	5.3	4.1	4.7	4.7	3.6
DC 2										
DC 3										
DC 4 Eu	0.6	0.3	1	2	0.6	0.3	1	0.6	0.3	0.6
DC 5 #	30	31	32	33	34	35	36	37	38	39
DC 6 n	3	4	5	6	4	5	6	5	6	6
DC 7										
DC 8										
DC AVG.										
AC 1	12.0	3.66	10.17	20.0	9.50	3.38	10.28	7.06	2.78	5.08
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	-15.1				+17.5			+24.7		-9.8
AC NOISE										
POT RES.	20k				5k			2k		3k

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 1 DATE 1-14-81

PAGE 1

SEND	CAL	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6	4-5
RECEIVE	4-5	15-17.5	E →		17.5—	20 E	→		20-22.5 E →	
RANGE	10x100	100x10	100x10	100x10	200x10	100x10	100x10	100x10	100x10	200x10
VOLTAGE	200	320	350	380	400	320	350	390	260	410
CURRENT	1.0	1.0	1.0	1.0	2.0	1.0	1.0	1.0	1.0	2.0
SEND	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2	7-8
RECEIVE	20-22.5	→		22.5—	25E	→				25-27.5E
RANGE	100x10	100x10	100x10	200x3	100x10	200x10	100x10	100x10	100x10	200x3
VOLTAGE	320	350	390	510	260	410	320	350	390	520
CURRENT	1.0	1.0	1.0	0.6	1.0	2.0	1.0	1.0	1.0	0.6

FREQUENCIES 3 0.3

SENDER NO. 9662-S

OPERATOR T. FREEMAN

RECEIVER NO. 20693 R

OPERATOR B. FREEMAN

COMMENTS: STA. 15E IN CREEK ON ROAD TRY TO MAINTAIN SAME NUMBERING SYSTEM OF ELECTRODES ON DIFFERENT LINES

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585
LINE 8 HALF E SP. 1 DATE 1-14-76

SEND	6-7	5-6	4-5	3-4	2-3	7-8	6-7	5-6	4-5	3-4
RECEIVE	25-27.5	E	→	→	→	27.5-30	E →	→	*	→
RANGE	100 x 3	100 x 10	200 x 10	100 x 10	100 x 10	200 x 3	100 x 3	100 x 10	200 x 10	100 x 10
VOLTAGE	260	270	410	320	350	530	260	270	410	320
CURRENT	0.3	1.0	2.0	1.0	1.0	0.6	0.3	1.0	2.0	1.0
SEND	7-8	6-7	5-6	4-5	7-8	6-7	5-6	7-8	6-7	7-8
RECEIVE	30-32.5	→	→	→	32.5-35	→	→	35-32.5	→	37.5-40 E
RANGE	200 x 3	100 x 3	100 x 10	200 x 10	200 x 3	100 x 3	100 x 10	200 x 3	100 x 3	200 x 3
VOLTAGE	530	270	270	410	530	270	270	530	270	530
CURRENT	0.6	0.3	1.0	2.0	0.6	0.3	1.0	0.6	0.3	0.6

FREQUENCIES 3 0.3
SENDER NO. 9662-S
OPERATOR T. FREEMAN
RECEIVER NO. 20693 R
OPERATOR B. FREEMAN

COMMENTS: * 1.0 + 0.1 Hz also!

Job: 585, LINE 8, Spr. 1, W½, 1/14/71

250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR # 585
LINE 8 HALF W SP. / DATE 1-14-71

SEND	CAL	4.5	→	3-4	S.P.	S.P.	S.P.	S.P.	2-3	3-4
RECEIVE	5-6	2-3	1-2	1-2	15-12.5	12.5-10	10-7.5	7.5-5	5-2.5	→
RANGE	1.0	10	1.0	1.0					1.0	1.0
DC 1	0.1	5.5	6.0	4.4					2.3	4.9
DC 2										
DC 3										
DC 4 Lin	1.0	2	2	1					1	1
DC 5 #	2	1	2	3					4	5
DC 6 n		1	2	1					1	2
DC 7										
DC 8										
DC AVG.										
AC 1	100.9	233.	87.0	90.3					86.5	16.6
AC 2	0.0	0.0	0.0	0.0					0.0	0.0
AC AVG.										
S.P.	3.0				-3.5	+3.7	+5.8	-5.2	-2.5	
AC NOISE	0.3									
POT RES.					3k	7k	6k	5k	9k	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF W SP. 1 DATE 1-14-71

SEND	4-5	5-6	6-7	7-8	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	5-2.5	→	→	→	2.5-0	→	→	→	→	→
RANGE	1.0	0.1	0.1	0.1	10	1.0	0.1	0.1	0.1	0.01
DC 1	6.2	5.8	6.2	5.3	1.6	2.1	4.7	5.3	4.5	5.4
DC 2										
DC 3										
DC 4 Gm	2	1	0.3	0.6	1	1	1	2	1	0.3
DC 5 #	6	7	8	9	10	11	12	13	14	15
DC 6 n	3	4	5	6	1	2	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	23.5	6.64	1.48	2.25	155.	24.2	6.27	10.68	3.29	0.747
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.					-5.1					
AC NOISE										
POT RES.					9K					

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR # 585
LINE 8 HALF W SP. 1 DATE 1-14-71

SEND	CAL	2-3	1-2	1-2	2-3	3-4	4-5	5-6	6-7	7-8
RECEIVE	5-6	4-5	→	3-4	5-2.5	—				
RANGE	100×10	200×10	200×10	100×10	100×10	100×10	200×10	100×10	100×3	200×3
VOLTAGE	270	400	400	390	330	320	390	260	270	550
CURRENT	1.0	2.0	2.0	1.0	1.0	1.0	2.0	1.0	0.3	0.6

SEND	1-2	2-3	3-4	4-5	5-6	6-7				
RECEIVE	0-2.5E	—	—	—	—	→				
RANGE	100×10	100×10	100×10	200×10	100×10	100×3				
VOLTAGE	370	330	320	390	260	270				
CURRENT	1.0	1.0	1.0	2.0	1.0	0.3				

FREQUENCIES 3 0.3
SENDER NO. 9662 S
OPERATOR T. FREEMAN
RECEIVER NO. 20693R
OPERATOR B. FREEMAN

COMMENTS:

Job 585, LINE 8, Spr. 2, E½, 1/14/71

250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 8 HALF E SP. 2 DATE 1-14-11

PAGE 1

SEND	CAL	3-4	4-5	5-6	6-7	7-8	4-5	5-6	6-7	7-8
RECEIVE	3-4	1-2	→	→	→	→	2-3	→	→	→
RANGE	1.0	10	1.0	0.1	1.0	1.0	1.0	1.0	1.0	1.0
DC 1	0.1	7.1	6.6	5.9	5.6	3.9	7.3	6.8	5.8	4.3
DC 2										
DC 3										
DC 4 Cm	1.0	1	0.6	0.3	1	2	0.6	0.3	1	2
DC 5 #	1	1	2	3	4	5	6	7	8	9
DC 6 n		1	2	3	4	5	1	2	3	4
DC 7										
DC 8										
DC AVG.										
AC 1	100.7	16.9	22.8	7.45	16.3	22.0	75.8	14.7	25.7	31.5
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	3.0									
AC NOISE	0.3									
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 2 DATE 1-14-71

SEND	5-6	6-7	7-8	6-7	7-8	7-8	6-7	5-6	4-5	3-4
RECEIVE	3-4	→	→	4-5	→	5-6	40-42.5	→	→	→
RANGE	1.0	1.0	1.0	10	10	10	10	1.0	1.0	1.0
DC 1	6.6	6.9	5.6	4.4	4.0	4.5	3.4	5.2	4.3	6.3
DC 2										
DC 3										
DC 4 Cm	0.3	1	2	1	2	2	1	0.3	0.3	1
DC 5 #	10	11	12	13	14	15	16	17	18	19
DC 6 n	1	2	3	1	2	1	1	2	3	4
DC 7										
DC 8										
DC AVG.										
AC 1	54.1	53.2	55.7	180.	112.	735.	538.	39.0	12.6	23.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.							+13.8			
AC NOISE										
POT RES.							2K			

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 2 DATE 1-14-71

SEND	2-3	1-2	7-8	6-7	5-6	4-5	3-4	2-3	7-8	6-7
RECEIVE	40 —	42.5	42.5 —	45	→				45 —	47.5
RANGE	1.0	1.0	10	10	1.0	0.1	1.0	0.1	10	1.0
DC 1	5.0	4.3	3.1	4.2	5.1	4.4	6.2	4.3	3.3	4.0
DC 2										
DC 3										
DC 4 Cm	1	2	2	1	0.3	0.3	1	1	2	1
DC 5 #	20	21	22	23	24	25	26	27	28	29
DC 6 "	5	6	1	2	3	4	5	6	2	3
DC 7										
DC 8										
DC AVG.										
AC 1	15.7	23.0	671.	137.	15.9	6.63	14.0	9.75	167.	49.2
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.			+11.8						+4.4	
AC NOISE										
POT RES.			4K						3K	

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 2 DATE 1-14-11

PAGE 4

SEND	5-6	4-5	3-4							
RECEIVE	45 —	47.5	→							
RANGE	0.1	0.1	0.1							
DC 1	4.3	3.4	5.8							
DC 2										
DC 3										
DC 4 Cu	0.3	0.3	1							
DC 5 #	30	31	32							
DC 6 n	4	5	6							
DC 7										
DC 8										
DC AVG.										
AC 1	7.02	3.27	7.34							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF E SP. 2 DATE 1-14-11

PAGE 1

SEND	CAL	3-4	4-5	5-6	6-7	7-8	4-5	5-6	6-7	7-8
RECEIVE	3-4	1-2	→	→	→	→	2-3	→	→	→
RANGE	100x10	100x10	200x3	100x3	100x10	200x10	200x3	100x3	100x10	200x10
VOLTAGE	410	420	500	280	320	260	490	280	330	260
CURRENT	1.0	1.0	0.6	0.3	1.0	2.0	0.6	0.3	1.0	2.0
SEND	5-6	6-7	7-8	6-7	7-8	7-8	6-7	5-6	4-5	3-4
RECEIVE	3-4	→	→	4-5	→	5-6	40-42.5	→	→	→
RANGE	100x3	100x10	200x10	100x10	200x10	200x10	100x10	100x3	100x3	100x10
VOLTAGE	280	330	260	330	260	260	330	280	250	420
CURRENT	0.3	1.0	2.0	1.0	2.0	2.0	1.0	0.3	0.3	1.0

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR Tom FREEMAN

RECEIVER NO. 20693R

OPERATOR B. FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 8 HALF ← SP. 2 DATE 1-14-71

SEND	2-3	1-2	7-8	6-7	5-6	4-5	3-4	2-3	7-8	6-7
RECEIVE	40-42.5 →		42.5 — 45 ←					→	45 —	47.5
RANGE	100x10	200x10	200x10	100x10	100x3	100x3	100x10	100x10	200x10	100x10
VOLTAGE	380	600	260	340	280	250	430	380	260	340
CURRENT	1.0	2.0	2.0	1.0	0.3	0.3	1.0	1.0	2.0	1.0
SEND	5-6	4-5	3-4							
RECEIVE	45-47.5		→							
RANGE	100x3	100x3	100x10							
VOLTAGE	280	250	430							
CURRENT	0.3	0.3	1.0							

FREQUENCIES 3 0.3

SENDER NO. 9662 S

OPERATOR T. Freeman

RECEIVER NO. #20693R

OPERATOR B. FREEMAN

COMMENTS:

JOB 585 LINE 8 SPREAD 2 EAST 1/2 1/14/71

CAL GROUP NO. 1

250 FEET=DIPOLE LENGTH

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	100.700	0.00	3.00	.30	.1000	.9930

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	134.68	7.00	52.0	7.00	52.0	0.00	**	7.10	1.00	1	1	169.000	0.00
2	2	120.57	6.50	53.9	6.50	53.9	0.00	**	6.60	.60	2	2	22.800	0.00
3	3	195.68	5.80	29.6	5.80	29.6	0.00	**	5.90	.30	3	3	7.450	0.00
4	4	256.15	5.50	21.5	5.50	21.5	0.00	**	5.60	1.00	4	4	16.300	0.00
5	5	297.64	3.80	12.8	3.80	12.8	0.00	**	3.90	2.00	5	5	22.000	0.00
6	1	100.87	7.20	71.4	7.20	71.4	0.00	**	7.30	.60	6	1	75.800	0.00
7	2	155.76	6.70	43.0	6.70	43.0	0.00	**	6.80	.30	7	2	14.700	0.00
8	3	202.32	5.70	28.2	5.70	28.2	0.00	**	5.80	1.00	8	3	25.700	0.00
9	4	244.46	4.20	17.2	4.20	17.2	0.00	**	4.30	2.00	9	4	31.500	0.00
10	1	143.04	6.50	45.4	6.50	45.4	0.00	**	6.60	.30	10	1	54.100	0.00
11	2	169.27	6.80	40.2	6.80	40.2	0.00	**	6.90	1.00	11	2	53.200	0.00
12	3	218.83	5.50	25.1	5.50	25.1	0.00	**	5.60	2.00	12	3	55.700	0.00
13	1	139.83	4.30	30.8	4.30	30.8	0.00	**	4.40	1.00	13	1	180.000	0.00
14	2	173.34	3.90	22.5	3.90	22.5	0.00	**	4.00	2.00	14	2	112.000	0.00
15	1	285.75	4.40	15.4	4.40	15.4	0.00	**	4.50	2.00	15	1	735.000	0.00
16	1	413.92	3.30	8.0	3.30	8.0	0.00	**	3.40	1.00	16	1	538.000	0.00
17	2	407.04	5.10	12.5	5.10	12.5	0.00	**	5.20	.30	17	2	39.000	0.00
18	3	325.95	4.20	12.9	4.20	12.9	0.00	**	4.30	.30	18	3	12.600	0.00
19	4	376.50	6.20	16.5	6.20	16.5	0.00	**	6.30	1.00	19	4	23.800	0.00
20	5	429.31	4.90	11.4	4.90	11.4	0.00	**	5.00	1.00	20	5	15.700	0.00
21	6	499.79	4.20	8.4	4.20	8.4	0.00	**	4.30	2.00	21	6	23.000	0.00
22	1	257.37	3.00	11.7	3.00	11.7	0.00	**	3.10	2.00	22	1	671.000	0.00
23	2	424.88	4.10	9.6	4.10	9.6	0.00	**	4.20	1.00	23	2	137.000	0.00
24	3	414.47	5.00	12.1	5.00	12.1	0.00	**	5.10	.30	24	3	15.900	0.00
25	4	343.35	4.30	12.5	4.30	12.5	0.00	**	4.40	.30	25	4	6.630	0.00
26	5	387.21	6.10	15.8	6.10	15.8	0.00	**	6.20	1.00	26	5	14.000	0.00
27	6	423.73	4.20	9.9	4.20	9.9	0.00	**	4.30	1.00	27	6	9.750	0.00
28	2	256.72	3.20	12.5	3.20	12.5	0.00	**	3.30	2.00	28	2	167.000	0.00
29	3	380.73	3.90	10.2	3.90	10.2	0.00	**	4.00	1.00	29	3	49.200	0.00
30	4	363.20	4.20	11.6	4.20	11.6	0.00	**	4.30	.30	30	4	7.020	0.00
31	5	293.51	3.30	11.2	3.30	11.2	0.00	**	3.40	.30	31	5	3.270	0.00
32	6	323.59	5.70	17.6	5.70	17.6	0.00	**	5.80	1.00	32	6	7.340	0.00

Job 585, LINE 9, Spr. 1, W½, 1/6/71

500.

WATCH S.P.'s ON BOTTOM

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF W SP. 1 DATE 1-15-71

PAGE 1

SEND	CAL	4-5	3-4	2-3	1-2	3-4	2-3	1-2	2-3	1-2
RECEIVE	4-5	6-7	→	→	→	5-6	→	→	4-5	→
RANGE	1.0	1.0	1.0	1.0	0.1	10	1.0	1.0	10	1.0
DC 1	0.1	1.3	1.9	1.1	2.0	1.5	1.6	1.5	1.6	1.7
DC 2										
DC 3										
DC 4 Em	1.0	1.0	→	→	→	→	→	→	→	→
DC 5 #	1	1	2	3	4	5	6	7	8	9
DC 6 n		1	2	3	4	1	2	3	1	2
DC 7										
DC 8										
DC AVG.										
AC 1	101.1	86.8	38.2	17.8	9.42	192.	47.3	20.5	103.	28.2
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.		S.P.				S.P.			S.P.	
S.P.	3.0	15-10E				10-5E			5-0E	
AC NOISE	0.3	3K				5K			4K	
POT RES.		+4.4				-19.5			+15.5	

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 9 HALF W SP. 1 DATE 1-15-71

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	3-4	0-5W	→	→	→	→	5-10W	→	→	→
RANGE	1.0	1.0	1.0	0.1	0.1	0.1	1.0	1.0	0.1	0.1
DC 1	0.9	0.5	1.3	1.6	1.7	1.8	1.8	1.6	2.3	3.1
DC 2										
DC 3										
DC 4 Cur	1.0	→	→	→	→	→	→	→	→	→
DC 5 #	10	11	12	13	14	15	16	17	18	19
DC 6 M	1	1	2	3	4	5	1	2	3	4
DC 7										
DC 8										
DC AVG.										
AC 1	152.	75.4	26.8	9.07	7.37	3.79	33.0	14.4	6.75	2.62
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-11.8					-35.5			
AC NOISE										
POT RES.		3k					1k			

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF W SP. 1 DATE 1-15-71

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6			
RECEIVE	5-10w	→	10-15w				→			
RANGE	0.1	0.1	0.1	0.1	0.1	0.1	0.01			
DC 1	3.1	3.4	2.0	2.3	2.4	3.3	3.4			
DC 2										
DC 3										
DC 4 Cu	0.9	1	1	1	1	1	0.9			
DC 5 #	20	21	22	23	24	25	26			
DC 6 n	5	6	2	3	4	5	6			
DC 7										
DC 8										
DC AVG.										
AC 1	2.13	1.27	6.54	3.65	1.92	1.06	0.668			
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
AC AVG.										
S.P.			-35.5							
AC NOISE										
POT RES.			31K							

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF W SP. 1 DATE 1-15-71

PAGE 1

SEND	CAL	4-5	3-4	2-3	1-2	3-4	2-3	1-2	2-3	1-2
RECEIVE	4-5	6-7	→	→	→	5-6	→	→	4-5	→
RANGE	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10
VOLTAGE	340	340	310	280	380	310	290	390	290	390
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	3-4	0-5W	→	→	→	→	5-10W	→	→	→
RANGE	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10	100x10
VOLTAGE	390	290	300	340	370	240	380	290	300	340
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR T. FREEMAN

RECEIVER NO. 20693R

OPERATOR B. FREEMAN

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF W SP. 1 DATE 1-15-71

PAGE 2

SEND	5-6	6-7	1-2	2-3	3-4	4-5	5-6			
RECEIVE	5-10W	→	10-15W	→	→	→	→			
RANGE	300x3	100x10	100x10	100x10	100x10	100x10	300x3			
VOLTAGE	330	250	380	290	310	340	330			
CURRENT	0.9	1.0	1.0	1.0	1.0	1.0	0.9			
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES 3 0.3

SENDER NO. 9662-5

OPERATOR Tom Freeman

RECEIVER NO.

OPERATOR W J Freeman

COMMENTS:

Job 585, LINE 9, Spr. 1, E½, 1/15/71 500,

S.P.'s on bottom!

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT SUPERIOR #585
LINE 9 HALF E SP. 1 DATE 1-15-71

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	6-7	30-35	→	→	→	→	35-40	→	→	→
RANGE	1.0	10	1.0	1.0	0.1	0.1	1.0	1.0	1.0	0.1
DC 1	0.1	1.4	1.6	2.1	1.8	1.8	1.1	1.6	1.6	2.0
DC 2										
DC 3										
DC 4 Cur	1.0	1	→	→	→	→	→	→	→	→
DC 5 #	2	1	2	3	4	5	6	7	8	9
DC 6 n		1	2	3	4	5	1	2	3	4
DC 7										
DC 8										
DC AVG.										
AC 1	100.6	121.	25.2	14.5	8.37	4.96	80.9	33.1	10.1	8.16
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.				S.P.	S.P.	S.P.				
S.P.	3.0	+11.6		15-20	20-25	25-30	-4.1			
AC NOISE	0.3			4K	4K	4K				
POT RES.		5K		+0.0	+7.8	+14.4	7K			

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF E SP. 1 DATE 1-15-71

SEND	2-3	1-2	6-7	5-6	4-5	3-4	2-3			
RECEIVE	35-40	5 →	40-45	→						
RANGE	0.1	0.1								
DC 1	2.1	1.8								
DC 2										
DC 3										
DC 4 Cu	1	1								
DC 5 #	10	11								
DC 6 "	5	6								
DC 7										
DC 8										
DC AVG.										
AC 1	5.39	3.28								
AC 2	0.0	0.0								
AC AVG.										
S.P.										
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT SUPERIOR #585

LINE 9 HALF E SP. 1 DATE 1-15-71

SEND	CAL	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4
RECEIVE	6-7	30-35	→	→	→	→	35-40	→	→	→
RANGE	100×10	100×10	100×10	100×10	100×10	100×10	100×10	100×10	100×10	100×10
VOLTAGE	250	360	330	300	290	380	250	370	330	300
CURRENT	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
SEND	2-3	1-2	6-7	5-6	4.5	3-4	2-3			
RECEIVE	35-40	→	40.45	→	→	→	→			
RANGE	100×10	100×10								
VOLTAGE	290	380								
CURRENT	1.0	1.0								

FREQUENCIES 3 0.3

SENDER NO. 9662 S

OPERATOR T. FREEMAN

RECEIVER NO. 20693R

OPERATOR B. FREEMAN

COMMENTS:

JOB 585 LINE 9 SPREAD 1 WEST 1/2 1/15/71 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.100	0.00	3.00	.30	.1000	.9891

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	130.33	1.20	9.2	1.20	9.2	0.00	**	1.30	1.00	1	1	86.800	0.00
2	3	~~576.97~~ X0.4 231	1.80	~~3.1~~ 7.8	1.80	3.1	0.00	**	1.90	1.00	2	~~3~~ 2	38.200	0.00
3	3	266.74	1.00	3.7	1.00	3.7	0.00	**	1.10	1.00	3	3	17.800	0.00
4	4	284.84	1.90	6.7	1.90	6.7	0.00	**	2.00	1.00	4	4	9.420	0.00
5	1	288.85	1.40	4.8	1.40	4.8	0.00	**	1.50	1.00	5	1	192.000	0.00
6	2	284.92	1.50	5.3	1.50	5.3	0.00	**	1.60	1.00	6	2	47.300	0.00
7	3	308.41	1.40	4.5	1.40	4.5	0.00	**	1.50	1.00	7	3	20.500	0.00
8	1	155.11	1.50	9.7	1.50	9.7	0.00	**	1.60	1.00	8	1	103.000	0.00
9	2	170.04	1.60	9.4	1.60	9.4	0.00	**	1.70	1.00	9	2	28.200	0.00
10	1	227.32	.80	3.5	.80	3.5	0.00	**	.90	1.00	10	1	152.000	0.00
11	1	112.32	.40	3.6	.40	3.6	0.00	**	.50	1.00	11	1	75.400	0.00
12	2	160.96	1.20	7.5	1.20	7.5	0.00	**	1.30	1.00	12	2	26.800	0.00
13	3	136.59	1.50	11.0	1.50	11.0	0.00	**	1.60	1.00	13	3	9.070	0.00
14	4	222.19	1.60	7.2	1.60	7.2	0.00	**	1.70	1.00	14	4	7.370	0.00
15	5	200.16	1.70	8.5	1.59	7.9	.11	**	1.80	1.00	15	5	3.790	0.00
16	1	49.79	1.70	34.1	1.70	34.1	0.00	**	1.80	1.00	16	1	33.000	0.00
17	2	86.74	1.50	17.3	1.50	17.3	0.00	**	1.60	1.00	17	2	14.400	0.00
18	3	102.35	2.20	21.5	2.11	20.6	.09	**	2.30	1.00	18	3	6.750	0.00
19	4	80.08	3.00	37.5	2.76	34.4	.24	**	3.10	1.00	19	4	2.620	0.00
20	5	126.59	3.00	23.7	2.79	22.0	.21	**	3.10	.90	20	5	2.130	0.00
21	6	109.00	3.30	30.3	2.89	26.5	.41	**	3.40	1.00	21	6	1.270	0.00
22	2	39.55	1.90	48.0	1.76	44.4	.14	**	2.00	1.00	22	2	6.540	0.00
23	3	55.35	2.20	39.8	1.99	35.9	.21	**	2.30	1.00	23	3	3.650	0.00
24	4	58.28	2.30	39.5	1.93	33.0	.37	**	2.40	1.00	24	4	1.920	0.00
25	5	56.81	3.20	56.3	2.56	45.0	.64	**	3.30	1.00	25	5	1.060	0.00
26	6	63.70	3.30	51.8	2.46	38.6	.84	**	3.40	.90	26	6	.668	0.00

JOB 585 LINE 9 SPREAD 1 EAST 1/2 1/15/71 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	100.600	0.00	3.00	.30	.1000	.9940

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	182.76	1.30	7.1	1.30	7.1	0.00	**	1.40	1.00	1	1	121.000	0.00
2	2	152.55	1.50	9.8	1.50	9.8	0.00	**	1.60	1.00	2	2	25.200	0.00
3	3	220.53	2.00	9.1	2.00	9.1	0.00	**	2.10	1.00	3	3	14.500	0.00
4	4	253.85	1.70	6.7	1.70	6.7	0.00	**	1.80	1.00	4	4	8.370	0.00
5	5	263.25	1.70	6.5	1.70	6.5	0.00	**	1.80	1.00	5	5	4.960	0.00
6	1	121.83	1.00	8.2	1.00	8.2	0.00	**	1.10	1.00	6	1	80.900	0.00
7	2	200.38	1.50	7.5	1.50	7.5	0.00	**	1.60	1.00	7	2	33.100	0.00
8	3	152.86	1.50	9.8	1.50	9.8	0.00	**	1.60	1.00	8	3	10.100	0.00
9	4	247.96	1.90	7.7	1.90	7.7	0.00	**	2.00	1.00	9	4	8.160	0.00
10	5	286.91	2.00	7.0	2.00	7.0	0.00	**	2.10	1.00	10	5	5.390	0.00
11	6	278.53	1.70	6.1	1.59	5.7	.11	**	1.80	1.00	11	6	3.280	0.00

Sab 585 Tipperary, Line 4, Sp 1 5 1/2, Bearing S20E Nov 16, 1970

500

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70-Superior

LINE 4 BEARING S20-E HALF 5 SP. 1 DATE 11-16

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	CMC
RECEIVE	0-500S	→	5-10S	→	→	10-15	→	→	→	4-5
MULT.	10.	1.0	1.0	1.0	1.0	10.	1.0	1.0	0.1	10.
PFE										
	1.2	2.0	0.6	1.1	1.7	0.2	0.6	1.1	1.5	-0.4
CUR	2.0	→	→	→	→	→	→	→	→	2.0
#	1	2	3	4	5	6	7	8	9	2.0
n	1	2	1	2	3	1	2	3	4	
PFE Avg.										
AC	136.	30.6	73.8	32.7	12.4	117.	23.5	16.6	7.85	202.
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	+0.2
S.P.	+7.8		-9.9			-3.9				
AC NOISE										3.0
POT RES.										0.3

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 4 BEARING S20°E HALF S SP. 1 DATE 11-16

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	15-20					20-25				
MULT.	1.0	1.0	1.0	1.0	0.1	1.0	1.0	1.0	0.1	0.1
PFE										
	0.3	0.2	0.8	1.1	1.2	0.3	0.4	0.0	0.2	0.6
CUM	2.0									
#	10	11	12	13	14	15	16	17	18	19
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	96.9	32.2	11.6	10.5	5.83	68.8	21.7	11.8	5.24	5.72
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	+12.7					-16.6				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 4 BEARING S 20°E HALF S SP. L DATE 11-16

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	20-25	25-30 →				→	30-35 →			→
MULT.	0.1	1.0	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1
PFE										
	0.8	0.2	0.0	-0.4	0.4	0.8	0.2	0.0	0.2	0.8
				-0.4						
CUR	2.									
#	20	21	22	23	24	25	26	27	28	29
n	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	3.49	23.4	11.7	8.08	4.41	5.21	10.5	6.17	4.83	2.91
DRIFT	-0.2	+0.2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
S.P.		+19.2					+12.7			
AC NOISE							3.5 X	LINE 3-5-2-MT	ROAD.	
POT RES.										

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 4 BEARING S20°E HALF S SP. 1 DATE 11-16

SEND	1-2	2-3	3-4							
RECEIVE	35-40	→	→							
MULT.	0.1	0.1	0.1							
PFE										
	0.5	1.0	0.6							
		-1.0 (→) 2.2	-1.0 (-) 1.2							
CUR	2.	2.	2.							
#	30	31	32							
η	4	5	6							
PFE Avg.										
AC	7.35	4.23	3.98							
DRIFT	0.0	0.0	0.0							
S.P.	-5.5									
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 4 HALF S SP. 1 DATE 11/16

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	0-5S	→	5-10	S	→	10-15	S		→	15
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	600V	780V	720V	600V	780V	680V	720V	600V	780V	530V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
SEND	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	20 S			→	20-25	S				→
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	680V	720V	600V	780V	600V	530V	680V	720V	600V	780
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A

FREQUENCIES 3.0 0.5
SENDER NO. MA 4-7 ~~9662S~~
OPERATOR 67 17691-S
RECEIVER NO. MA 4-C 18671-R
OPERATOR 64

COMMENTS: N 20° W
0-4000' S

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 4 HALF 5 SP. 1 DATE 11/16

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	25-30 S →					30-35 S →				
RANGE	2-13	2-13	2-13	2-13	2-13	2-13	2-13	2-13	2-13	
VOLTAGE	620V	530V	680V	720V	600V	620V	530V	680V	720V	
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	
SEND	1-2	2-3	3-4							CAL
RECEIVE	35-40 S →									4-5
RANGE	2-13	2-13	2-13							2-13
VOLTAGE	620V	530V	680V							700V
CURRENT	2A	2A	2A							2A

FREQUENCIES 3.0 0.5

SENDER NO. ~~9662~~ 17691-S

OPERATOR 67

RECEIVER NO. 18691-R

OPERATOR 64

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70 LINE 4 HALF N SP. 2 DATE 11/17

SEND	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE	10-15 N	→			15-20 N	→				20
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	700 V	680 V	530 V	620 V	600 V	420 V	680 V	530 V	620 V	460 V
CURRENT	2A	2A	2A	2A	2A	1A	2A	2A	2A	1A
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	25 N	→				25-30 N	→			
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	600 V	720 V	680 V	530 V	620 V	780 V	600 V	720 V	680 V	530 V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A

FREQUENCIES 3.0 0.5

SENDER NO. MK-7 17691-S

OPERATOR CY

RECEIVER NO. MK4-C 18691-R

OPERATOR CY

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 4 HALF N SP. 2 DATE 7/10

PAGE 13-B

SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	30-35N	→		→	35-40N	→	→			
RANGE	2-13	2-13	2-13	2-13	2-13	2-13	2-13			
VOLTAGE	780V	600V	720V	680V	780	600V	720V			
CURRENT	2A	2A	2A	2A	2A	2A	2A			
SEND										CAL
RECEIVE										3-4
RANGE										2-13
VOLTAGE										680V
CURRENT										2A

FREQUENCIES 3.0 0.3

SENDER NO. 19691-S

OPERATOR 67

RECEIVER NO. 18691-R

OPERATOR 64

COMMENTS:

Job 585 Tipperary, Line 4, Sgl N½, Bearing S20E, Nov 16, 1970

$ 500.

I.P. RECEIVER NOTES

PAGE 5

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70-SUPERIOR

LINE H BEARING N20°E HALF N SP. 1 DATE 11-17

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-500'	N	5-10N	→	→	10-15	→	→	→	3-4
MULT.						1.0	1.0	1.0	1.0	10.
PFE										
						2.0	2.0	1.8	1.5	-0.4
CUR						2.				2.
#						1	2	3	4	
7						1	2	3	4	
PFE Avg.										
AC						73.1	31.8	12.7	8.06	202.
DRIFT						0.0	0.0	0.0	0.0	0.0
S.P.	+2.9		+9.2			+5.9				
AC NOISE										3.0.
POT RES.										.3

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70- SUPERIOR

LINE 4 BEARING N20°E HALF N SP. 1 DATE 11-12

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	15-20				→	20-25 N				
MULT.	10.	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1	0.1
PFE										
	2.2	2.6	2.3	1.9	1.6	2.0	2.0	2.1	1.6	1.4
CUR	2.									
#	5	6	7	8	9	10	11	12	13	14
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.						0.0				
AC	146.	13.0	15.9	7.85	5.69	38.7	25.5	8.46	6.65	3.96
DRIFT	0.2	0.0	0.0	0.0	0.0	~~2.4~~	0.0	0.0	0.0	0.0
S.P.	2.2					-2.4				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 4 BEARING N20°E HALF N SP. 1 DATE 11-17

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	20-25	25-30	→	→	→	→	30-35	→	→	→
MULT.	0.1	1.0	1.0	0.1	0.1	0.1	1.0	0.1	0.1	0.1
PFE										
	1.4	2.6	2.2	2.2	1.6	1.2	3.5	2.8	2.6	1.5
					1.0↔2.2	0.8↔1.6				
COR	21									
#	15	16	17	18	19	20	21	22	23	24
?	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	3.21	22.3	112.4	5.02	4.87	3.05	13.8	9.90	4.49	4.98
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.		+6.0					+13.4			
AC NOISE		☆ Crosses Line 1								
POT RES.		See Sketch								

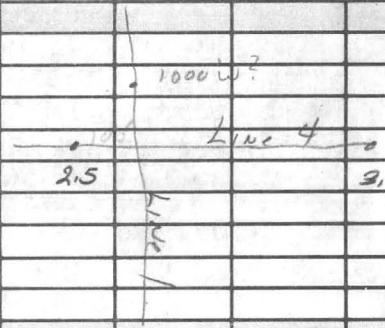
I.P. RECEIVER NOTES

PAGE 8

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 4 BEARING N 20° E HALF N SP. 1 DATE 11-12

SEND	6-7	5-6	4-5							
RECEIVE	35-40N	→	→							
MULT.	0.1	0.1	0.1							
PFE										
	2.9	2.5	3.0							
			1.4↔4.2							
CUR	2.	2.	2.							
#	25	26	27							
7	4	5	6							
PFE Avg.										
AC	9.14	7.48	3.65							
DRIFT	0.0	0.0	0.2							
S.P.	+5.5									
AC NOISE										
POT RES.										



JOB 585 TIPPERARY LINE 4 SP1 S 1/2 BEARING S 20E 11/16/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.40	202.000	.20	3.00	.30	-.5000	.9891

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	102.60	1.70	16.6	1.70	16.6	0.00	**	1.20	2.00	1	1	136.000	0.00
2	2	93.07	2.50	26.9	2.50	26.9	0.00	**	2.00	2.00	2	2	30.600	0.00
3	1	55.35	1.10	19.9	1.10	19.9	0.00	**	.60	2.00	3	1	73.800	0.00
4	2	98.58	1.60	16.2	1.60	16.2	0.00	**	1.10	2.00	4	2	32.700	0.00
5	3	94.01	2.20	23.4	2.10	22.3	.10	**	1.70	2.00	5	3	12.400	0.00
6	1	87.40	.70	8.0	.70	8.0	0.00	**	.20	2.00	6	1	117.000	0.00
7	2	70.50	1.10	15.6	1.10	15.6	0.00	**	.60	2.00	7	2	23.500	0.00
8	3	125.11	1.60	12.8	1.60	12.8	0.00	**	1.10	2.00	8	3	16.600	0.00
9	4	118.80	2.00	16.8	1.86	15.7	.14	**	1.50	2.00	9	4	7.850	0.00
10	1	72.46	.80	11.0	.80	11.0	0.00	**	.30	2.00	10	1	96.900	0.00
11	2	96.22	.70	7.3	.70	7.3	0.00	**	.20	2.00	11	2	32.200	0.00
12	3	87.17	1.30	14.9	1.19	13.6	.11	**	.80	2.00	12	3	11.600	0.00
13	4	1582.77	1.60	1.0	1.60	1.0	0.00	**	1.10	2.00	13	4	105.000	0.00
14	5	153.94	1.70	11.0	1.54	10.0	.16	**	1.20	2.00	14	5	5.830	0.00
15	1	51.45	.80	15.6	.80	15.6	0.00	**	.30	2.00	15	1	68.800	0.00
16	2	64.97	.90	13.9	.90	13.9	0.00	**	.40	2.00	16	2	21.700	0.00
17	3	87.97	.50	5.7	.39	4.4	.11	**	0.00	2.00	17	3	11.800	0.00
18	4	78.29	.70	8.9	.45	5.8	.25	**	.20	2.00	18	4	5.240	0.00
19	5	150.15	1.10	7.3	.93	6.2	.17	**	.60	2.00	19	5	5.720	0.00
20	6	146.87	1.40	9.5	1.13	7.7	.27	**	.80	2.00	20	6	3.490	-.20
21	2	69.92	.60	8.6	.60	8.6	0.00	**	.20	2.00	21	2	23.400	.20
22	3	87.23	.50	5.7	.39	4.4	.11	**	0.00	2.00	22	3	11.700	0.00
23	4	120.00	.10	.8	-.04	-.3	.14	**	-.40	2.00	23	4	8.080	0.00
24	5	115.53	.90	7.8	.66	5.7	.24	**	.40	2.00	24	5	4.410	0.00
25	6	219.25	1.30	5.9	1.15	5.2	.15	**	.80	2.00	25	6	5.210	0.00
26	3	78.44	.60	7.6	.47	6.0	.13	**	.20	2.00	26	3	10.500	.20
27	4	92.00	.50	5.4	.30	3.3	.20	**	0.00	2.00	27	4	6.170	0.00
28	5	126.28	.70	5.5	.48	3.8	.22	**	.20	2.00	28	5	4.830	0.00
29	6	122.46	1.30	10.6	.95	7.8	.35	**	.80	2.00	29	6	2.910	0.00

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS

JOB 585 TIPPERARY LINE 4 SP1 N 1/2 BEARING S 20 E 11/16/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.40	202.000	0.00	3.00	.30	-.4000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	55.58	2.40	43.2	2.40	43.2	0.00	**	2.00	2.00	1	1	73.100	0.00
2	2	96.72	2.40	24.8	2.40	24.8	0.00	**	2.00	2.00	2	2	31.800	0.00
3	3	96.38	2.20	22.8	2.10	21.8	.10	**	1.80	2.00	3	3	12.700	0.00
4	4	121.98	1.90	15.6	1.77	14.5	.13	**	1.50	2.00	4	4	8.060	0.00
5	1	111.24	2.50	22.5	2.50	22.5	0.00	**	2.20	2.00	5	1	146.000	.20
6	2	39.77	3.00	75.4	2.86	71.8	.14	**	2.60	2.00	6	2	13.000	0.00
7	3	121.26	2.70	22.3	2.70	22.3	0.00	**	2.30	2.00	7	3	15.900	0.00
8	4	119.27	2.30	19.3	2.16	18.1	.14	**	1.90	2.00	8	4	7.850	0.00
9	5	150.84	2.00	13.3	1.83	12.1	.17	**	1.60	2.00	9	5	5.690	0.00
10	1	29.43	2.40	81.6	2.40	81.6	0.00	**	2.00	2.00	10	1	38.700	0.00
11	2	77.56	2.40	30.9	2.40	30.9	0.00	**	2.00	2.00	11	2	25.500	0.00
12	3	64.39	2.50	38.8	2.33	36.2	.17	**	2.10	2.00	12	3	8.460	0.00
13	4	100.74	2.00	19.9	1.82	18.1	.18	**	1.60	2.00	13	4	6.650	0.00
14	5	104.77	1.80	17.2	1.52	14.5	.28	**	1.40	2.00	14	5	3.960	0.00
15	6	135.89	1.80	13.2	1.50	11.0	.30	**	1.40	2.00	15	6	3.210	0.00
16	2	68.22	3.00	44.0	3.00	44.0	0.00	**	2.60	2.00	16	2	22.300	0.00
17	3	94.47	2.60	27.5	2.50	26.5	.10	**	2.20	2.00	17	3	12.400	0.00
18	4	76.49	2.60	34.0	2.34	30.6	.26	**	2.20	2.00	18	4	5.020	0.00
19	5	129.10	2.00	15.5	1.79	13.9	.21	**	1.60	2.00	19	5	4.870	0.00
24	6	128.86	1.60	12.4	1.28	9.9	.32	**	1.20	2.00	24	6	3.050	0.00
21	3	106.47	3.90	36.6	3.82	35.8	.08	**	3.50	2.00	21	3	13.800	0.00
22	4	151.73	3.20	21.1	3.10	20.4	.10	**	2.80	2.00	22	4	9.900	0.00
23	5	120.20	3.00	25.0	2.77	23.0	.23	**	2.60	2.00	23	5	4.490	0.00
24	6	211.02	1.90	9.0	1.74	8.2	.16	**	1.50	2.00	24	6	4.980	0.00
25	4	140.22	3.30	23.5	3.19	22.7	.11	**	2.90	2.00	25	4	9.140	0.00
26	5	200.04	2.90	14.5	2.79	13.9	.11	**	2.50	2.00	26	5	7.480	0.00
27	6	156.95	3.30	21.0	3.05	19.5	.25	**	3.00	2.00	27	6	3.650	.20

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS

Job 585

LINE 1

SPR I

E½.

BEARING N69E.

4-11-70.

500.

N69-E Job 585 500

PAGE 3

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 1 HALF E SP. 1 DATE 11-4

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5 OOE	5-10 →		10-15 →			15-20 →			
RANGE	10.	10.	1.0	10.	10.	1.0	10.	10.	1.0	1.0
DC 1										
DC 2	4.2	3.7	4.6	3.2	3.9	4.4	3.1	3.2	4.0	3.8
DC 3										
DC 4										
DC 5 CUR.	2.0	2.0	2.0	1.0	2.0	2.0	0.9	2.0	2.0	2.0
DC 6 #	1	2	3	4	5	6	7	8	9	10
DC 7 n	1	1	2	1	2	3	1	2	3	4
DC 8										
DC AVG.										
AC 1	173.	563.	77.7	603.	196.	40.7	1035.	305.	75.6	20.0
AC 2	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+8.7	+12.7		+37.3			+12.4			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585
LINE 1 HALF E SP. 1 DATE 11-4

SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		OMC
RECEIVE	20-25	→	→	→	25-30	→	→	→		2-3
RANGE	10.	1.0	1.0	0.1	10.	1.0	1.0	0.1		10.
DC 1										2
DC 2	3.6	3.8	4.6	4.5	3.5	3.8	4.0	4.2		-0.4
DC 3										
DC 4										
DC 5 CUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0
DC 6 #	11	12	13	14	15	16	17	18		
DC 7 n	2	3	4	5	3	4	5	6		
DC 8										
DC AVG.										
AC 1	352.	88.4	27.3	8.51	103.	37.2	13.4	4.57		203.
AC 2	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.2		-0.2
AC AVG.										
S.P.	-1.8				+1.7					
AC NOISE										3.0
POT RES.										0.3

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 1 HALF E SP. 1 DATE 11/4

SEND	1-2	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2
RECEIVE	0-5E	5-10E	→	10-15E	→	→	15-20E	→	→	→
RANGE	2-B	→	→	→	→	→	→	→	→	→
VOLTAGE	380V	360V	380V	180V	360V	380V	300V	360V	360V	380V
CURRENT	2A	2A	2A	1A	2A	2A	900mA	2A	2A	2A
SEND	4-5	3-4	2-3	1-2	4-5	3-4	2-3	1-2		CAL
RECEIVE	20-25E	→	→	→	25-30	→	→	→		2-3
RANGE	2-B	→	→	→	→	→	→	→		2-B
VOLTAGE	670V	360V	360V	380V	670V	360V	360V	380V		360V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A		2A

FREQUENCIES _____ _____
SENDER NO.
OPERATOR
RECEIVER NO.
OPERATOR

COMMENTS:

JOB 585

LINE 1

SPR I

W½.

BEARING N69W.

4-11-70.

500

N-69-W Job 585 500.

PAGE 1

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 1 HALF W SP. 1 DATE 11-4

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-500W	5-10 →		10-15			15-20	15-20		→
RANGE	10.	10.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1										
DC 2	3.9	~~4.2~~	4.8	3.1	3.8	4.4	1.0	2.9	3.3	3.5
DC 3		4.0								
DC 4										
DC 5 CUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
DC 6 #	1	2	3	4	5	6	7	8	9	10
DC 7 n	1	1	2	1	2	3	1	2	3	4
DC 8										
DC AVG.										
AC 1	596.	166.	84.2	78.7	44.9	33.6	79.6	16.4	14.4	14.1
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+11.2	+25.0		+22.2			-3.1			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585 -
LINE 1 HALF W SP. 1 DATE 11-4

SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CWC
RECEIVE	20-25	→	→	→	25-30	→	→	→		3-4
RANGE	1.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1		10.
DC 1										①
DC 2	0.9	2.4	3.8	3.4	1.0	2.8	3.6	3.2		0.0
DC 3						1.8⇄4.2	2.2⇄4.2	2.6⇄4.6		
DC 4										
DC 5 CUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0		2.0
DC 6 #	11	12	13	14	15	16	17	18		
DC 7 n	2	3	4	5	3	4	5	6		
DC 8										
DC AVG.										
AC 1	20.4	6.70	7.15	8.63	7.74	3.36	4.02	4.60		20.3.
AC 2	-0.2	0.0	+0.2	+0.2	-0.2	-0.2	0.0	-0.2		0.0
AC AVG.										
S.P.	~~+4.5~~									
AC NOISE	+7.7				+18.6					3.0
POT RES.	Very	noisey								0.3

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 5395-70

LINE 1 HALF W SP. 1 DATE 11/4

PAGE 1

SEND	4-5	3-4	4-5	2-3	3-4	4-5	1-2	2-3	3-4	4-5
RECEIVE	0-5W	5-10W	→	10-15W	→	→	15-20W	→	→	→
RANGE	2-B	→	→	→	→	→	→	→	→	→
VOLTAGE	670V	340V	670V	340V	340V	670V	380V	370V	340V	670V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
SEND	1-2	2-3	3-4	4-5	1-2	2-3	3-4	4-5		CAL
RECEIVE	20-25W	→	→	→	25-30W	→	→	→		
RANGE	2-B	→	→	→	→	→	→	→		
VOLTAGE	380V	370V	340V	670V	380V	380V	340V	670V		
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A		

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

JOB 585 LINE 1 SP1 W 1/2 BEARING N 69 W 11/4/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	0.00	203.000	0.00	3.00	.30	0.0000	.9852

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	457.57	3.90	8.5	3.90	8.5	0.00	**	3.90	2.00	1	1	596.000	0.00
2	1	127.57	4.00	31.4	4.00	31.4	0.00	**	4.00	2.00	2	1	166.000	0.00
3	2	260.81	4.80	18.4	4.80	18.4	0.00	**	4.80	2.00	3	2	84.200	0.00
4	1	59.96	3.10	51.7	3.10	51.7	0.00	**	3.10	2.00	4	1	78.700	0.00
5	2	137.75	3.80	27.6	3.80	27.6	0.00	**	3.80	2.00	5	2	44.900	0.00
6	3	259.20	4.40	17.0	4.40	17.0	0.00	**	4.40	2.00	6	3	33.600	0.00
7	1	59.41	1.00	16.8	1.00	16.8	0.00	**	1.00	2.00	7	1	79.600	0.00
8	2	49.88	2.90	58.1	2.80	56.1	.10	**	2.90	2.00	8	2	16.400	0.00
9	3	109.92	3.30	30.0	3.22	29.3	.08	**	3.30	2.00	9	3	14.400	0.00
10	4	215.67	3.50	16.2	3.50	16.2	0.00	**	3.50	2.00	10	4	14.100	0.00
11	2	60.84	1.00	16.4	.92	15.1	.08	**	.90	2.00	11	2	20.400	-.20
12	3	50.70	2.40	47.3	2.16	42.6	.24	**	2.40	2.00	12	3	6.700	0.00
13	4	109.68	3.70	33.7	3.54	32.3	.16	**	3.80	2.00	13	4	7.150	.20
14	5	230.79	3.30	14.3	3.21	13.9	.09	**	3.40	2.00	14	5	8.630	.20
15	3	57.76	1.10	19.0	.90	15.6	.20	**	1.00	2.00	15	3	7.740	-.20
16	4	51.04	2.90	56.8	2.45	48.0	.45	**	2.80	2.00	16	4	3.360	-.20
17	5	107.71	3.60	33.4	3.33	30.9	.27	**	3.60	2.00	17	5	4.020	0.00
18	6	196.43	3.30	16.8	3.12	15.9	.18	**	3.20	2.00	18	6	4.600	-.20

JOB 585 LINE 1 SP1 E 1/2 BEARING N 69 E 11/4/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.40	203.000	-.20	3.00	.30	-.3000	.9862

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	133.72	4.50	33.7	4.50	33.7	0.00	**	4.20	2.00	1	1	173.000	0.00
2	1	433.08	4.00	9.2	4.00	9.2	0.00	**	3.70	2.00	2	1	563.000	0.00
3	2	241.15	4.90	20.3	4.90	20.3	0.00	**	4.60	2.00	3	2	77.700	0.00
4	1	923.25	3.50	3.8	3.50	3.8	0.00	**	3.20	1.00	4	1	603.000	0.00
5	2	604.25	4.20	7.0	4.20	7.0	0.00	**	3.90	2.00	5	2	196.000	0.00
6	3	315.20	4.60	14.6	4.60	14.6	0.00	**	4.40	2.00	6	3	40.700	.20
7	1	1759.05	3.40	1.9	3.40	1.9	0.00	**	3.10	.90	7	1	1035.000	0.00
8	2	933.96	3.50	3.7	3.50	3.7	0.00	**	3.20	2.00	8	2	305.000	0.00
9	3	583.22	4.30	7.4	4.30	7.4	0.00	**	4.00	2.00	9	3	75.600	0.00
10	4	307.99	4.10	13.3	4.10	13.3	0.00	**	3.80	2.00	10	4	20.000	0.00
11	2	1082.05	3.90	3.6	3.90	3.6	0.00	**	3.60	2.00	11	2	352.000	0.00
12	3	680.66	4.10	6.0	4.10	6.0	0.00	**	3.80	2.00	12	3	88.400	0.00
13	4	423.64	4.90	11.6	4.90	11.6	0.00	**	4.60	2.00	13	4	27.300	0.00
14	5	230.88	4.80	20.8	4.71	20.4	.09	**	4.50	2.00	14	5	8.510	0.00
15	3	790.82	3.70	4.7	3.70	4.7	0.00	**	3.50	2.00	15	3	103.000	.20
16	4	572.87	4.10	7.2	4.10	7.2	0.00	**	3.80	2.00	16	4	37.200	0.00
17	5	361.82	4.30	11.9	4.30	11.9	0.00	**	4.00	2.00	17	5	13.400	0.00
18	6	197.82	4.40	22.2	4.22	21.3	.18	**	4.20	2.00	18	6	4.570	.20

Job 585, Tipperary, Line 1 Sp 2, W½ of, Nov 11, 1970

Bearing S69°W 250.

250'

I.P. RECEIVER NOTES

PAGE 9

HEINRICHS GEOEXPLORATION CO. PROJECT 585

LINE 1 BEARING S 69° W HALF W SP. 2 DATE 11-11

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	CAL
RECEIVE	0-25	W →	25-50	→	→	5.0-7.5	→	→	→	4-5 (1)
MULT.	10.	10.	10.	1.0	1.0	10.	1.0	1.0	1.0	10.
PFE										
	2.5	3.4	4.2	4.6	5.6	3.7	4.6	4.4	5.2	0.0
Cur	1	1	2	2	1	2	1	1	1	1
#	1	2	3	4	5	6	7	8.	9.	
4	1	2	1	2	3	1	2	3	4	
PFE Avg.										
AC	279.	200.	226.	51.6	28.4	199.	44.0	14.6	18.9	101.
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0
S.P.	-1.9		-3.5			-3.6				
AC NOISE										3.0
POT RES.										0.3

I.P. RECEIVER NOTES

PAGE 10

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 1 BEARING S 69° W HALF W SP. 2 DATE 11-11

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	7.5-	10.			→	10.-12	5			
MULT.	10.	1.0	1.0	1.0	0.1	10.	1.0	1.0	1.0	0.1
PFE										
	1.0	3.8	3.6	3.7	3.8	0.7	1.9	3.9	3.7	3.4
CUR	2	2	2	2	1	2	2	2	2	2
#	10	11	12	13	14	15	16	17	18	19
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	118.	48.1	32.1	13.5	9.83	171.	28.7	19.4	16.9	7.54
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	-9.0					-3.7				
C NOISE										
RES.										

250'

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 1 HALF W SP. 2 DATE 11-11

PAGE 11

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	10.-12.5	12.5-15.	→	→	→	→	15.-17.5	→	→	→
RANGE	0.1	1.0	1.0	1.0	1.0	0.1	1.0	0.1	0.1	0.1
DC 1										
DC 2	3.8	1.8	3.1	4.4	4.1	3.7	1.1	2.0	3.4	3.4
DC 3										
DC 4 CCR	1	2	2	2	2	2	2	2	2	2
DC 5 #	20	~~21~~	~~22~~	23	24	25	26	27	28	29
DC 6 n	6	2	3	4	5	6	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	5.91	59.4	15.6	14.1	14.0	6.14	14.4	4.80	4.99	5.25
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		-7.5					+10.0			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 585-70

LINE 1 HALF W SP. 2 DATE 1-11

PAGE 12

SEND	1-2	2-3	3-4							
RECEIVE	17.5 -	20. →								
RANGE	0.1	0.1	0.1							
DC 1										
DC 2	0.6	1.4	3.7							
DC 3		0.6 ↔ 2.2								
DC 4										
DC 5 CUR	2	2	2							
DC 6 #	30	31	32							
DC 7 #	4	5	6							
DC 8										
DC AVG.										
AC 1	7.32	2.87	3.36							
AC 2	0.0	0.0	0.4							
AC AVG.										
S.P.	-2.2									
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 1 HALF W SP. 2 DATE 11/11

PAGE 9A

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	0-2.5" W →		2.5-5 W →			5-7.5 W →				7.5-10
RANGE	2-C	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	240V	500V	580V	520V	500V	440V	280V	260V	500V	480V
CURRENT	1A	1A	2A	2A	1A	2A	1A	1A	1A	2A
SEND	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	N →				10-12.5 →					
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2B
VOLTAGE	440V	580V	520V	500V	440V	480V	440V	580V	520V	500V
CURRENT	2A	2A	2A	1A	2A	2A	2A	2A	2A	1A

FREQUENCIES 3.0 0.3

SENDER NO. 21A 5-0 9662-S

OPERATOR 67

RECEIVER NO. 21A 4-C 15691-K

OPERATOR 64

COMMENTS: N = 250'

HEINRICHS GEOPHYSICAL CO.

I. R. SENDER NOTES

PROJECT

DATE

PAGE

SEND											
RECEIVE											
RANGE											
VOLTAGE											
CURRENT											
SEND											
RECEIVE											
RANGE											
VOLTAGE											
CURRENT											

FREQUENCIES

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 595-70
LINE 1 HALF W SP. 2 DATE 11/11

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	12.5-15 W	→				15-19.5 W	→			
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	
VOLTAGE	440V	460V	440V	540V	520V	440V	460	440V	540V	
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	
SEND	1-2	2-3	3-4							CAL
RECEIVE	12.5-20 W	→								4-5
RANGE	2-B	2-B	2-B							2-B
VOLTAGE	440V	460V	440V							280V
CURRENT	2A	2A	2A							1A

FREQUENCIES 3.0 0.3
SENDER NO. 8662-S
OPERATOR 67
RECEIVER NO. 19691-R
OPERATOR 64

COMMENTS: N=258'

Sub 585, Tipperary, Lind, sp 2, E½, Bearing S69°W Nov 11, 20

250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-70
LINE 1 HALF E SP. 2 DATE 11-11

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-2.5 E →		2.5-5.0	→		5.0-7.5	→		→	5-6 (2)
RANGE						10.	10.	1.0	1.0	10.
DC 1										
DC 2						3.7	3.7	5.9	5.4	-0.2
DC 3										
DC 4 CUR						1	2	2	2	1.0
DC 5 #						33	2	5	9	
DC 6 %						1	2	3	4	
DC 7										
DC 8										
DC AVG.										
AC 1						~~1074.~~	364	52.7	35.6	102.
AC 2						1098	0.4	0.2	0.0	0.0
AC AVG.						0.6				
S.P.	+7.9		-4.7			+35.4	DRIFT	to 38.2		3.0
AC NOISE										0.3
POT RES.										

N 69°E

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-70.
LINE 1 HALF E SP. 2 DATE 11-11

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	7.5-10.					10-12.5				
RANGE	10.	10.	10.	1.0	1.0	100.	10.	10.	10.	10
DC 1										
DC 2	3.5	3.4	3.8	5.6	5.0	3.2	2.9	2.9	3.4	5.1
DC 3										
DC 4 CUR	1	1	2	2	2	1	1	2	2	2
DC 5 #	34	35	36	37	38	39	40	41	42	43
DC 6 #	1	2	3	4	5	1	2	3	4	5
DC 7										
DC 8										
DC AVG.										
AC 1	554.	201.	119.	19.9	15.1	2810.	584	289.	109.	19.8
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	293.	0.0	0.0	0.0
AC AVG.							0.0			
S.P.	-22.7					+21.4				
AC NOISE										
POT RES.										

250'

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-70
LINE 1 HALF E SP. 2 DATE 11-11

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	12.5-15	12.5-15	→	→	→	→	15-17.5	→	→	→
RANGE	1.0	10.	10.	10.	1.0	1.0	10.	10	1.0	1.0
DC 1										
DC 2	4.4	3.2	3.2	3.2	4.0	5.2	3.2	3.2	3.6	3.7
DC 3										
DC 4 (44	2	1	2	2	2	2	1	2	2	2
DC 5 #	43	44	45	46	47	48	49	50	51	52
DC 6 ~	6	2	3	4	5	6	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	16.0	658.	205.	140.	55.6	11.4	275.	110.	89.3	38.4
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+3.7					+15.7			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 1 HALF E SP. 2 DATE 11-1

SEND	6-7	5-6	4-5							
RECEIVE	17.5-20.	→								
RANGE	10.	1.0	1.0							
DC 1										
DC 2	3.2	3.3	3.4							
DC 3										
DC 4 CUR	1	2	2							
DC 5 #	53	54	55							
DC 6 η	4	5	6							
DC 7										
DC 8										
DC AVG.										
AC 1	120.	56.1	47.4							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.	+2.6									
AC NOISE										
POT. RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 1 HALF E SP. 2 DATE 11/11

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	0-2.5 E →		2.5-5 E →			5-7.5 E →				7.5-
RANGE						2-B	2-B	2-B	2-B	2-B
VOLTAGE	← SP ONLY →					260V	440V	460V	440V	280V
CURRENT						1A	2A	2A	2A	1A
SEND	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2
RECEIVE	10 E →				10-12.5 E →					
RANGE	2-B	2-C	2-C	2-C	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	260V	440V	460V	440V	480V	280V ~~520V~~	540V	440V	460V	420V
CURRENT	1A	2A	2A	2A	1A	1A	2A	2A	2A	2A

FREQUENCIES 3.0 0.3
SENDER NO. MK 6-7 9662-5
OPERATOR 67
RECEIVER NO. MK 4-C 19691
OPERATOR 64

COMMENTS: NE 250'

NOTE
With not hold proper values
2A - 520 VDC Deviation less 100 Right
AT TIMES NO APPARENT REASON

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-90

LINE 1 HALF E SP 2 DATE 11/11

PAGE 9B

SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	
RECEIVE	12.5-15 E		→			15-17.5 E		→		
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	
VOLTAGE	480V	520V	520V	440V	460V	480V	520V	520V	440V	
CURRENT	1A	2A	2A	2A	2A	1A	2A	2A	2A	
SEND	6-7	5-6	4-5							CAL
RECEIVE	17.5-20 E		→							5-6
RANGE	2-B	2-B	2-B							2-B
VOLTAGE	480V	510V	540V							260V
CURRENT	1A	2A	2A							1A

FREQUENCIES 3.0 0.3

SENDER NO. 9662-S

OPERATOR 67

RECEIVER NO. 1969 1-R

OPERATOR 67

COMMENTS: N = 250'

520 V is MAX will hold AT 2 AMPS

2-B OK

JOB 585 TIPPERARY LINE 1 SP 2 W 1/2 BEARING S 69 W NOV 11,70 250 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	212.36	2.50	11.8	2.50	11.8	0.00	**	2.50	1.00	1	1	279.000	0.00
2	2	614.26	3.40	5.5	3.40	5.5	0.00	**	3.40	1.00	2	2	200.000	0.00
3	1	87.44	4.20	48.0	4.20	48.0	0.00	**	4.20	2.00	3	1	226.000	0.00
4	2	80.16	4.60	57.4	4.60	57.4	0.00	**	4.60	2.00	4	2	51.600	0.00
5	3	222.70	5.60	25.1	5.60	25.1	0.00	**	5.60	1.00	5	3	28.400	0.00
6	1	76.62	3.70	48.3	3.70	48.3	0.00	**	3.70	2.00	6	1	199.000	0.00
7	2	136.71	4.50	32.9	4.50	32.9	0.00	**	4.60	1.00	7	2	44.000	.20
8	3	113.19	4.40	38.9	4.40	38.9	0.00	**	4.40	1.00	8	3	14.600	0.00
9	4	295.29	5.20	17.6	5.20	17.6	0.00	**	5.20	1.00	9	4	18.900	0.00
10	1	44.25	1.00	22.6	1.00	22.6	0.00	**	1.00	2.00	10	1	118.000	0.00
11	2	74.15	3.80	51.2	3.80	51.2	0.00	**	3.80	2.00	11	2	48.100	0.00
12	3	123.47	3.60	29.2	3.60	29.2	0.00	**	3.60	2.00	12	3	32.100	0.00
13	4	103.96	3.70	35.6	3.70	35.6	0.00	**	3.70	2.00	13	4	13.500	0.00
14	5	265.19	3.80	14.3	3.80	14.3	0.00	**	3.80	1.00	14	5	9.830	0.00
15	1	63.93	.70	10.9	.70	10.9	0.00	**	.70	2.00	15	1	171.000	0.00
16	2	43.43	1.90	43.7	1.90	43.7	0.00	**	1.90	2.00	16	2	28.700	0.00
17	3	74.84	3.90	52.1	3.90	52.1	0.00	**	3.90	2.00	17	3	19.400	0.00
18	4	130.14	3.70	28.4	3.70	28.4	0.00	**	3.70	2.00	18	4	16.900	0.00
19	5	101.31	3.40	33.6	3.40	33.6	0.00	**	3.40	2.00	19	5	7.540	0.00
20	6	255.10	3.80	14.9	3.80	14.9	0.00	**	3.80	1.00	20	6	5.910	0.00
21	2	89.81	1.80	20.0	1.80	20.0	0.00	**	1.80	2.00	21	2	59.400	0.00
22	3	59.72	3.10	51.9	3.10	51.9	0.00	**	3.10	2.00	22	3	15.600	0.00
23	4	109.31	4.40	40.3	4.40	40.3	0.00	**	4.40	2.00	23	4	14.100	0.00
24	5	189.39	4.10	21.6	4.10	21.6	0.00	**	4.10	2.00	24	5	14.000	0.00
25	6	132.39	3.70	27.9	3.70	27.9	0.00	**	3.70	2.00	25	6	6.140	0.00
26	3	54.05	1.10	20.4	1.10	20.4	0.00	**	1.10	2.00	26	3	14.400	0.00
27	4	36.36	2.00	55.0	1.90	52.1	.10	**	2.00	2.00	27	4	4.800	0.00
28	5	67.05	3.40	50.7	3.40	50.7	0.00	**	3.40	2.00	28	5	4.990	0.00
29	6	112.87	3.40	30.1	3.40	30.1	0.00	**	3.40	2.00	29	6	5.250	0.00
30	4	54.68	.60	11.0	.60	11.0	0.00	**	.60	2.00	30	4	7.320	0.00
31	5	37.82	1.40	37.0	1.23	32.6	.17	**	1.40	2.00	31	5	2.870	0.00
32	6	72.45	3.50	48.3	3.40	46.9	.10	**	3.70	2.00	32	6	3.360	.40

BUSINESS FORMS PRINTING COMPANY 212-SPACE-276 ENGINEERED FOR HIGH SPEED PRINTERS

JOB 585 TIPPERARY LINE 1 SP 2 E 1/2 BEARING S 69 W NOV 11,70 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	-.20	102.000	0.00	3.00	.30	-.2000	.9804

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
33	1	838.93	3.60	4.3	3.60	4.3	0.00	**	3.70	1.00	33	1	1098.000	.60
2	2	556.21	3.70	6.7	3.70	6.7	0.00	**	3.70	2.00	2	2	364.000	.40
5	3	205.58	6.00	29.2	6.00	29.2	0.00	**	5.90	2.00	5	3	52.700	.20
9	4	276.42	5.60	20.3	5.60	20.3	0.00	**	5.40	2.00	9	4	35.600	0.00
34	1	422.42	3.70	8.8	3.70	8.8	0.00	**	3.50	1.00	34	1	554.000	0.00
35	2	612.46	3.60	5.9	3.60	5.9	0.00	**	3.40	1.00	35	2	201.000	0.00
36	3	455.00	4.00	8.8	4.00	8.8	0.00	**	3.80	2.00	36	3	119.000	0.00
37	4	154.81	5.80	37.5	5.80	37.5	0.00	**	5.60	2.00	37	4	19.900	0.00
38	5	204.41	5.20	25.4	5.20	25.4	0.00	**	5.00	2.00	38	5	15.100	0.00
39	1	2136.43	3.40	1.6	3.40	1.6	0.00	**	3.20	1.00	39	1	2810.000	0.00
40	2	888.48	3.10	3.5	3.10	3.5	0.00	**	2.90	1.00	40	2	293.000	0.00
41	3	1095.44	3.10	2.8	3.10	2.8	0.00	**	2.90	2.00	41	3	289.000	0.00
42	4	830.32	3.60	4.3	3.60	4.3	0.00	**	3.40	2.00	42	4	109.000	0.00
43	5	268.28	5.30	19.8	5.30	19.8	0.00	**	5.10	2.00	43	5	19.800	0.00
44	6	344.56	4.60	13.4	4.60	13.4	0.00	**	4.40	2.00	44	6	16.000	0.00
45	2	2001.09	3.40	1.7	3.40	1.7	0.00	**	3.20	1.00	45	2	658.000	0.00
46	3	779.30	3.40	4.4	3.40	4.4	0.00	**	3.20	2.00	46	3	205.000	0.00
47	4	1064.41	3.40	3.2	3.40	3.2	0.00	**	3.20	2.00	47	4	140.000	0.00
48	5	745.49	4.20	5.6	4.20	5.6	0.00	**	4.00	2.00	48	5	55.600	0.00
49	6	247.38	5.40	21.8	5.40	21.8	0.00	**	5.20	2.00	49	6	11.400	0.00
50	3	2090.81	3.40	1.6	3.40	1.6	0.00	**	3.20	1.00	50	3	275.000	0.00
51	4	836.32	3.40	4.1	3.40	4.1	0.00	**	3.20	2.00	51	4	110.000	0.00
52	5	1192.75	3.80	3.2	3.80	3.2	0.00	**	3.60	2.00	52	5	89.300	0.00
53	6	821.42	3.90	4.7	3.90	4.7	0.00	**	3.70	2.00	53	6	38.400	0.00
54	4	1824.71	3.40	1.9	3.40	1.9	0.00	**	3.20	1.00	54	4	120.000	0.00
55	5	747.14	3.50	4.7	3.50	4.7	0.00	**	3.30	2.00	55	5	56.100	0.00
56	6	1011.01	3.60	3.6	3.60	3.6	0.00	**	3.40	2.00	56	6	47.400	0.00

BUSINESS FORMS PRINTING COMPANY FILE SPACE SAVER ENGINEERED FOR HIGH SPEED PRINTERS

JOB 585

LINE 2.

SPR I

W ½.

BEARING S.50W.

5-11-70

500.

I.P. RECEIVER NOTES Job 585 500.

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 2 BEARING S-50°W HALF W SP. 1 DATE 1-5

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	CAL
RECEIVE	0-500'W	→	5-10	→	→	10-15	→	→	→	4-5
MULT.	10.	1.0	10.	1.0	1.0	10.	1.0	1.0	1.0	10
PFE										①
	1.6	1.8	1.2	1.6	1.4	0.7	1.4	1.3	0.9	-0.2
CUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
#	1	2	3	4	5	6	7	8	9	
n.	1	2	1	2	3	1	2	3	4	
PFE Avg.										
AC	150.	36.4	145.	45.0	17.0	141	35.5	17.7	11.2	201.
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	+12.7		-14.5			+7.1				
AC NOISE										3.0
POT RES.										0.3

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 585

LINE 2 BEARING S50W HALF W SP. L DATE 11-5

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	15-20 →					20-25 →				
MULT.	10.	1.0	1.0	0.1	0.1	10.	1.0	1.0	0.1	0.1
PFE										
	0.4	0.8	1.2	1.1	0.6	0.3	0.6	0.7	0.9	0.8
CUR:	2.0	2.0	2.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0
#	10	11	12	13	14	15	16	17	18	19
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	207.	38.8	13.8	8.41	10.85	280.	50.7	15.4	6.27	4.15
DRIFT	0.0	0.0	0.0	-0.2	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	-13.0					+21.0				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 2 BEARING S 50°W HALF W SP. L DATE 11-5

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	20-25	25-30	→	→	→	→	30-35	→	→	→
MULT.	0.1	10	1.0	1.0	0.1	0.1	1.0	1.0	0.1	0.1
PFE										
	0.9	0.4	0.4	0.9	1.0	1.2	0.6	0.4	0.4	0.9
CUR:	3.0	2.0	2.0	2.0	2.0	2.0	2.5	2.0	2.0	2.0
#	20	21	22	23	24	25	26	27	28	29
n	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	5.70	119	33.2	14.1	6.37	4.39	69.6	20.0	8.92	4.32
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.										
AC NOISE	~~+21.0~~	-4.5					-0.7			
POT RES.										

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT 585

LINE 2 BEARING S 50° W HALF W SP. L DATE 11-5

SEND	1-2	2-3	3-4		6-7	6-7	5-6	6-7	4-5	5-6
RECEIVE	35-40	→	→		35-40	25-30	30-35	→	35-40	→
MULT.	1.0	0.1	0.1		0.1	0.1	0.1	0.1	0.1	0.1
PFE										
	0.3	0.0	0.4		1.3	1.2	1.0	1.1	0.8	1.5
CUR.	2.0	2.0	2.0							
#	30	31	32							
n	4	5	6							
PFE Avg.										
AC	20.6	8.32	4.24		3.38	6.73	3.25	5.85	2.21	2.40
DRIFT	0.0	0.0	0.0		0.0	0.0	0.0	0.0	0.0	0.0
S.P.	-1.5									
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585

LINE 2 HALF W SP. 1 DATE 11/5

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	0-5W	→	5-10W		→	10-15W			→	15-20W
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	4-B	4-B
VOLTAGE	400V	220V	420V	400V	220V	360V	420V	400V	220V	440V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
SEND	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	15-20W			→	20-25W					→
RANGE	2-B	2-B	2-B	4-B	2-B	2-B	2-B	2-B	2-B	4-B
VOLTAGE	360V	420A	400V	330V	420V	440V	360V	420V	400V	330V
CURRENT	2A	2A	2A	3A	3A	2A	2A	2A	2A	3A

FREQUENCIES 3.0 0.3

SENDER NO. MK-5-7 # 5662-5

OPERATOR 67

RECEIVER NO. MK H-C #18691

OPERATOR 64

COMMENTS: LINE S 50° W FROM CENTER
N 68° E

Nil

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 2 HALF W SP. 1 DATE

SEND	1-2	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5
RECEIVE	25-30						30-35			
RANGE	2-B	2-B	2-B	2-B	2-B	4-B	2-B	2-B	2-B	2-B
VOLTAGE	420 V	440V	360V	420V	400V	380V	530V	440V	360V	420V
CURRENT	2A	2A	2A	2A	2A	3.5A	2.5A	2A	2A	2A
SEND	5-6	1-2	2-3	3-4	4-5	5-6	6-7	6-7		GL
RECEIVE	30-35	35-40						30-35		4-5
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	4-B	4-B		2-B
VOLTAGE	400V	420V	440V	360V	420	500V	330V	380V		620V
CURRENT	2A	2A	2A	2A	2A	2.7A	3.5A	3.5A		2A

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

JOB 585

LINE 2

SPR I

E½.

BEARING N68E.

5-11-70.

500

I.P. RECEIVER NOTES Job 585 - 500.

PAGE 5

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 2 BEARING N68°E HALF E SP. 1 DATE 11-5

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-500F	→	5-10	→	→	10-15	→	→	→	3-4
MULT.						1.0	1.0	1.0	1.0	10
PFE										(2)
						1.3	1.7	1.4	1.1	-0.2
CUR:						2.0	2.0	2.0	2.0	2.0
#						1	2	3	4	
"						1	2	3	4	
PFE Avg.										
AC						83.6	36.6	16.9	11.1	202.
DRIFT						0.0	0.0	0.0	0.0	0.0
S.P.	~~+3.5~~									
AC NOISE	+5.8		-7.9			+3.1				3.0
POT RES.										0.3

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 2 BEARING N 68°E HALF E SP. 1 DATE 11-5

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	15-20	→	→	→	→	20-25	→	→	→	→
MULT.	1.0	1.0	1.0	0.1	0.1	10.	1.0	1.0	0.1	0.1
PFE										
	3.0	3.6	3.1	2.5	2.4	4.4	3.8	4.0	3.5	3.0
CUR	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
#	5	6	7	8	9	10	11	12	13	14
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	92.5	19.4	13.0	8.67	6.04	241.	37.1	11.2	8.56	6.46
DRIFT	-0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	+1.9					+4.0				
AC NOISE										
POT RES.						Lots of D.C	NOISE			

I.P. RECEIVER NOTES

PAGE 7

HEINRICHS GEOEXPLORATION CO. PROJECT 585

LINE 2 BEARING N68°E HALF E SP. 1 DATE 11-6

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	20-25E	25-30	→	→	→	→	30-35	→	→	→
MULT.		1.0	1.0	0.1	0.1	0.1	1.0	1.0	0.1	0.1
PFE										
		5.2	4.4	3.8	≈3.0	≈2.5	4.3	3.5	3.0	2.8
					-2.↔10.	0.0↔10.				
CUR.		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
#		16	17	18	19	20	21	22	23	24
n		2	3	4	5	6	3	4	5	6
PFE Avg.										
AC		61.8	15.6	5.53	4.47	3.45	44.8	12.6	4.71	4.05
DRIFT		0.0	0.0	0.0	0.02	-0.2	0.0	0.0	0.0	0.0
S.P.		-6.8					+0.3			
AC NOISE		high	AC Noise	→	→	→	→	→	→	→
POT RES.		D.C	Noise	Pegs needle						

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 585

LINE 2 HALF 5 SP. 1 DATE 11-6

PAGE 8

SEND	6-7	5-6	4-5							
RECEIVE	35-40	→	→							
RANGE	1.0	1.0	0.1							
DC 1										
DC 2	3.6	≈ 2.4	≈ 2.2							
DC 3		-2.0 to 6.0								
DC 4										
DC 5 CUR.	2.0	2.0	2.0							
DC 6 #	25	26	27							
DC 7 n	4	5	6							
DC 8										
DC AVG.										
AC 1	37.1	11.0	4.31							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.										
AC NOISE	Lots of S.P. Noise									
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-00

LINE 2 HALF E SP. 1 DATE 11/6

PAGE 4A

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	15-20E					20-25E				
RANGE	2-C	2-C	2-C	2-C	2-C	4-C	2C	2C	2C	2C
VOLTAGE	380V	410V	360V	440V	420V	220V	380V	420V	360V	440V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE		25-30E					30-35E			
RANGE	2-C	4-C	2-C	2-C	2-C	2-C	4-C	2-C	2-C	2-C
VOLTAGE	~~440V~~	220V	380V	420V	360V	440V	220V	380V	420V	360V
CURRENT	~~2A~~	2A	2A	2A	2A	2A	2A	2A	2A	2A

FREQUENCIES 3.0 0.5

SENDER NO. MK 5-7 9667-S

OPERATOR 67

RECEIVER NO. MK 4-C A691

OPERATOR 64

COMMENTS:

PAGE 4-B

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 685-20

LINE 2 HALF E SP. 1 DATE 11/6

SEND	6-7	5-6	4-5	4-5	3-4	2-3	1-2			OK
RECEIVE	35-40E	→	→	10-15E	→	→	→			3-4
RANGE	4-C	2-B	2-B	2-B	2-B	2-B	2-B			2-B
VOLTAGE	220V	380V	420V	400V	360V	420V	420V			520V
CURRENT	2A	2A	2A	2A	2A	2A	2A			2A
SEND										
RECEIVE										
RANGE										
VOLTAGE										
CURRENT										

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS:

1ST SPREAD (Station)

JOB 585 LINE 2 SP1 W 1/2 BEARING 5)50 W 11/5/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.20	201.000	0.00	3.00	.30	-.2000	.9950

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	113.96	1.80	15.8	1.80	15.8	0.00	**	1.60	2.00	1	1	150.000	0.00
2	2	110.83	2.00	18.0	2.00	18.0	0.00	**	1.80	2.00	2	2	36.400	0.00
3	1	109.72	1.40	12.8	1.40	12.8	0.00	**	1.20	2.00	3	1	145.000	0.00
4	2	136.75	1.80	13.2	1.80	13.2	0.00	**	1.60	2.00	4	2	45.000	0.00
5	3	128.90	1.60	12.4	1.60	12.4	0.00	**	1.40	2.00	5	3	17.000	0.00
6	1	106.17	.90	8.5	.90	8.5	0.00	**	.70	2.00	6	1	141.000	0.00
7	2	107.67	1.60	14.9	1.60	14.9	0.00	**	1.40	2.00	7	2	35.500	0.00
8	3	134.07	1.50	11.2	1.50	11.2	0.00	**	1.30	2.00	8	3	17.700	0.00
9	4	169.00	1.10	6.5	1.02	6.0	.08	**	.90	2.00	9	4	11.200	0.00
10	1	155.40	.60	3.9	.60	3.9	0.00	**	.40	2.00	10	1	207.000	0.00
11	2	116.98	1.00	8.5	1.00	8.5	0.00	**	.80	2.00	11	2	38.800	0.00
12	3	104.43	1.40	13.4	1.31	12.6	.09	**	1.20	2.00	12	3	13.800	0.00
13	4	127.15	1.40	11.0	1.27	10.0	.13	**	1.10	2.00	13	4	8.410	-.20
14	5	190.44	.80	4.2	.68	3.6	.12	**	.60	3.00	14	5	10.850	0.00
15	1	210.00	.50	2.4	.50	2.4	0.00	**	.30	2.00	15	1	280.000	0.00
16	2	152.55	.80	5.2	.80	5.2	0.00	**	.60	2.00	16	2	50.700	0.00
17	3	115.96	.90	7.8	.90	7.8	0.00	**	.70	2.00	17	3	15.400	0.00
18	4	94.61	1.10	11.6	.91	9.6	.19	**	.90	2.00	18	4	6.270	0.00
19	5	109.48	1.00	9.1	.74	6.7	.26	**	.80	2.00	19	5	4.150	0.00
20	6	160.55	1.10	6.9	.86	5.4	.24	**	.90	3.00	20	6	5.700	0.00
2	2	357.36	.60	1.7	.60	1.7	0.00	**	.40	2.00	2	2	119.000	0.00
22	3	249.25	.60	2.4	.60	2.4	0.00	**	.40	2.00	22	3	33.200	0.00
23	4	212.76	1.10	5.2	1.10	5.2	0.00	**	.90	2.00	23	4	14.100	0.00
24	5	168.38	1.20	7.1	1.06	6.3	.14	**	1.00	2.00	24	5	6.370	0.00
25	6	186.03	1.40	7.5	1.21	6.5	.19	**	1.20	2.00	25	6	4.390	0.00
26	3	418.85	.80	1.9	.80	1.9	0.00	**	.60	2.50	26	3	69.600	0.00
27	4	300.30	.60	2.0	.60	2.0	0.00	**	.40	2.00	27	4	20.000	0.00
28	5	234.38	.60	2.6	.51	2.2	.09	**	.40	2.00	28	5	8.920	0.00
29	6	182.52	1.10	6.0	.90	4.9	.20	**	.90	2.00	29	6	4.320	0.00
30	4	309.00	.50	1.6	.50	1.6	0.00	**	.30	2.00	30	4	20.600	0.00
31	5	217.75	.20	.9	.10	.5	.10	**	0.00	2.00	31	5	8.320	0.00
32	6	178.26	.60	3.4	.39	2.2	.21	**	.40	2.00	32	6	4.240	0.00

JOB 585 LINE 2 SP1 E 1/2 BEARING.N 68 E 11/5/70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

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	63.01	1.50	23.8	1.50	23.8	0.00	**	1.30	2.00	1	1	83.600	0.00
2	2	110.78	1.90	17.2	1.90	17.2	0.00	**	1.70	2.00	2	2	36.600	0.00
3	3	127.50	1.60	12.5	1.60	12.5	0.00	**	1.40	2.00	3	3	16.900	0.00
4	4	166.99	1.30	7.8	1.21	7.3	.09	**	1.10	2.00	4	4	11.100	0.00
5	1	70.88	3.30	46.6	3.30	46.6	0.00	**	3.00	2.00	5	1	92.500	-.20
6	2	59.81	3.80	63.5	3.72	62.2	.08	**	3.60	2.00	6	2	19.400	0.00
7	3	99.72	3.30	33.1	3.21	32.2	.09	**	3.10	2.00	7	3	13.000	0.00
8	4	132.24	2.70	20.4	2.58	19.5	.12	**	2.50	2.00	8	4	8.670	0.00
9	5	161.06	2.60	16.1	2.45	15.2	.15	**	2.40	2.00	9	5	6.040	0.00
10	1	187.19	4.60	24.6	4.60	24.6	0.00	**	4.40	2.00	10	1	241.000	0.00
11	2	114.61	4.00	34.9	4.00	34.9	0.00	**	3.80	2.00	11	2	37.100	0.00
12	3	86.66	4.20	48.5	4.09	47.2	.11	**	4.00	2.00	12	3	11.200	0.00
13	4	131.83	3.70	28.1	3.58	27.2	.12	**	3.50	2.00	13	4	8.560	0.00
14	5	173.27	3.20	18.5	3.06	17.7	.14	**	3.00	2.00	14	5	6.460	0.00
16	2	193.48	5.40	27.9	5.40	27.9	0.00	**	5.20	2.00	16	2	61.800	0.00
17	3	121.17	4.60	38.0	4.60	38.0	0.00	**	4.40	2.00	17	3	15.600	0.00
18	4	85.41	4.00	46.8	3.78	44.2	.22	**	3.80	2.00	18	4	5.530	0.00
19	5	119.89	3.18	26.6	2.95	24.6	.23	**	3.00	2.00	19	5	4.470	.03
20	6	147.33	2.80	19.0	2.53	17.2	.27	**	2.50	2.00	20	6	3.450	-.20
21	3	347.64	4.50	12.9	4.50	12.9	0.00	**	4.30	2.00	21	3	44.800	0.00
22	4	194.05	3.70	19.1	3.70	19.1	0.00	**	3.50	2.00	22	4	12.600	0.00
23	5	126.33	3.20	25.3	2.98	23.6	.22	**	3.00	2.00	23	5	4.710	0.00
24	6	173.47	3.00	17.3	2.79	16.1	.21	**	2.80	2.00	24	6	4.050	0.00
25	4	571.93	3.80	6.6	3.80	6.6	0.00	**	3.60	2.00	25	4	37.100	0.00
26	5	293.32	2.60	8.9	2.60	8.9	0.00	**	2.40	2.00	26	5	11.000	0.00
27	6	183.53	2.40	13.1	2.20	12.0	.20	**	2.20	2.00	27	6	4.310	0.00

Job 585 Tipperary, Line 2 Sp 2, W½, Bearing N68°E

Nov 12, 70 250.

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 2 HALF W SP. 2 DATE 11-12

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	CAL
RECEIVE	20-17.5	→	17.5-15	→	→	15-12.5	→	→	→	1-2
RANGE	10.	10.	10.	10.	1.0	10.	10.	1.0	1.0	10. ①
DC 1										
DC 2	3.2	5.0	3.4	3.6	4.9	2.4	4.6	4.6	5.6	-0.2
DC 3										
DC 4 CUR	3	3	2	3	3	2	2	3	3	2.0
DC 5 #	1	2	3	4	5	6	7	8	9	
DC 6 3	1	2	1	2	3	1	2	3	4	
DC 7										
DC 8										
DC AVG.										
AC 1	380.	125.	445.	105.	52.5	419.	137.	53.4	33.6	202.
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+4.2		-7.2			-6.7				3.0
AC NOISE										0.3
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 2 HALF W SP. 2 DATE 11-12

PAGE 10

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	12.5-10					10-7.5				
RANGE	10.	1.0	1.0	1.0	1.0	10.	1.0	1.0	1.0	1.0
DC 1										
DC 2	2.3	3.2	4.6	4.0	4.7	1.6	2.8	3.8	4.7	4.0
DC 3		2.8 ↔ 3.8								
DC 4										
DC 5 CM	3	2	2	3	3	3	3	2	2	3
DC 6 #	10	11	12	13	14	15	16	17	18	19
DC 7 ⅋	1	2	3	4	5	1	2	3	4	5
DC 8										
DC AVG.										
AC 1	304.	90.6	54.3	28.7	20.6	348.	73.1	29.0	20.9	12.9
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+13.8					+15.3				
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-72
LINE 2 HALF W SP. 2 DATE 11-12

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	6-7.5	7.5-5.0	→	→	→	→	5.0-2.5	→	→	→
RANGE	0.1	1.0	1.0	1.0	1.0	0.1	1.0	1.0	0.1	0.1
DC 1										
DC 2	4.5	1.3	2.2	3.2	4.0	2.9	1.7	2.8	3.6	4.0
DC 3										
DC 4 CUR	3	3	3	2	2	3	3	3	2	2
DC 5 #	20	21	22	23	24	25	26	27	28	29
DC 6 "	6	2	3	4	5	6	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	9.65	83.2	26.9	12.6	10.1	7.05	25.4	10.3	5.38	4.85
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+5.1					+6.0			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-7W
LINE 2 HALF W SP. 2 DATE 11-12

SEND	1-2	2-3	3-4							
RECEIVE	2.5-0	→	→							
RANGE	1.0	0.1	0.1							
DC 1										
DC 2	2.2	2.5	3.6							
DC 3			1.6→4.0							
DC 4										
DC 5 QR	3	3	2							
DC 6 P	30	31	32							
DC 7 η	4	5	6							
DC 8										
DC AVG.										
AC 1	12.0	5.34	2.96							
AC 2	0.0	0.0	0.2							
AC AVG.										
S.P.	+13.4									
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 2 HALF W SP. 2 DATE 11/12

PAGE 10 A

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	20-17.5 W →		17.5	15 W	→	15-12.5 W		→		12.5
RANGE	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B
VOLTAGE	400V	340V	300V	400V	340V	270V	300V	400V	340V	260V
CURRENT	3A	3A	2A	3A	3A	2A	2A	3A	3A	3A
SEND	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	10 W	→			10-7.5 W		→			→
RANGE	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B
VOLTAGE	270V	300V	400V	340V	240V	260V	280V	300V	400V	340V
CURRENT	2A	2A	3A	3A	3A	3A	2A	2A	3A	3A

FREQUENCIES 3.0 0.5

SENDER NO. MG-7 9662-S

OPERATOR 67

RECEIVER NO. MA 4-C 19691-R

OPERATOR 64

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 2 HALF W SP. 2 DATE 11/12

PAGE 10 B

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	0.5-5 W		→			5-2.5 W		→		
RANGE	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	H-B	
VOLTAGE	240V	260V	290V	300V	400V	240V	260V	280V	300V	
CURRENT	3A	3A	2A	2A	3A	3A	3A	2A	2A	
SEND	1-2	2-3	3-4							CAL
RECEIVE	2.5-0 W		→							1-2
RANGE	H-B	H-B	H-B							H-B
VOLTAGE	240	260V	290V							240V
CURRENT	3A	3A	2A							2A

FREQUENCIES 3.0 0.3

SENDER NO. 9662-S

OPERATOR 67

RECEIVER NO. 1865E-R

OPERATOR 64

COMMENTS:

Job 585. Tipperary Line 2 Sp 2 E½ Bearing N68°E Nov 12, 70

250.

Job 585

Line 2 Tipperary,

HEINRICHS GEOEXPLORATION CO.

I.P. RECEIVER NOTES

PROJECT 585-

LINE 2 HALF E SP. 2 DATE 11-12

SEND	2-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	20-22.5	→	22.5-25	→	→	25.-27.5	→	→	→	5-6 (2)
RANGE						10.	1.0	1.0	1.0	10.
DC 1										
DC 2						3.2	5.1	4.9	5.4	-0.2
DC 3										
DC 4 CUR						2	2	3	3	2.
DC 5 #						1	2	3	4	
DC 6 #						1	2	3	4	
DC 7										
DC 8										
DC AVG.										
AC 1						462.	83.5	50.0	33.2	202.
AC 2						0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	+8.5		-9.2			-16.2				3.6
AC NOISE										0.3
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585
LINE 2 HALF E SP. 2 DATE 1-12

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	27.5-30. →					30.-32.5 →				
RANGE	10.	10.	1.0	1.0	1.0	10.	10.	1.0	1.0	1.0
DC 1										
DC 2	4.2	5.7	6.6	5.4	5.6	4.6	5.0	6.0	5.8	4.5
DC 3										
DC 4 CVR	3	2	2	3	3	3	3	2	2	3
DC 5 #	5	6	7	8	9	10	11	12	13	14
DC 6 #	1	2	3	4	5	1	2	3	4	5
DC 7										
DC 8										
DC AVG.										
AC 1	512.	103.	36.3	29.5	23.4	472.	145.	56.9	29.2	27.5
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.	-0.4					+1.9				
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585-
LINE 2 HALF E SP. 2 DATE 11-12

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE		32.5-35 →					35.-37.5 →			
RANGE	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
DC 1										
DC 2	4.5	6.2	5.6	6.0	5.7	4.5	5.8	5.0	5.3	5.1
DC 3										
DC 4 cm	3	3	3	2	2	3	3	3	2	2
DC 5 #	15	16	17	18	19	20	21	22	23	24
DC 6 #	6	2	3	4	5	6	3	4	5	6
DC 7										
DC 8										
DC AVG.										
AC 1	23.7	104.3	54.3	30.8	17.9	17.9	68.0	44.5	28.9	18.5
AC 2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
AC AVG.										
S.P.		+0.4					-3.3			
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.
I.P. RECEIVER NOTES

PROJECT 585
LINE 2 HALF E SP. 2 DATE 11-12

SEND	6-5	5-6	4-5							
RECEIVE	37-5-40	→	→							
RANGE	1.0	1.0	1.0							
DC 1										
DC 2	5.4	4.4	4.8							
DC 3										
DC 4 CVR	3	3	2							
DC 5 #	25	30	31							
DC 6 η	4	5	6							
DC 7										
DC 8										
DC AVG.										
AC 1	46.3	32.9	22.9							
AC 2	0.0	0.0	0.0							
AC AVG.										
S.P.	+9.8									
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT _____

LINE 2 HALF E SP. 2 DATE 11/12

PAGE 11-A

SEND	4-5	3-4	2-3	1-2	5-6	4-5	3-4	2-3	1-2	6-7
RECEIVE	25 -	27.5 E	→	→	27.5 -	30 E	→	→	→	30 -
RANGE	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B
VOLTAGE	280V	340V	370V	240V	380V	280V	340V	370V	240V	340V
CURRENT	2A	2A	3A	3A	3A	2A	2A	3A	3A	3A
SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	32.5	E	→	→	→	32.5 -	35	E	→	→
RANGE	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B	4-B
VOLTAGE	370V	280V	340V	370V	240V	340V	380V	280V	340V	370V
CURRENT	3A	2A	2A	3A	3A	3A	3A	2A	2A	3A

FREQUENCIES _____ _____

SENDER NO.

OPERATOR

RECEIVER NO.

OPERATOR

COMMENTS: NOTE THAT THIS THE SAME WATTAGE AS LINE 1 S-2 BUT I DO NOT GETTER SAME PROBLEM CHECK 2 AMP MOCK

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 685-7

LINE 2 HALF E SP. 2 DATE 11/13

PAGE 11-B

SEND	6-7	5-6	4-5	3-4	6-7	5-6	4-5			
RECEIVE	35-37.5 E		→		37.5-40 E		→			
RANGE	4-B	4-B	4-B	4-B	4-B	4-B	4-B			
VOLTAGE	330V	380V	280V	340V	330V	380V	280V			
CURRENT	3A	3A	2A	2A	3A	3A	2A			
SEND										CAL
RECEIVE										5-6
RANGE										4-B
VOLTAGE										260V
CURRENT										2A

FREQUENCIES 3.0 0.3

SENDER NO. 9662-S

OPERATOR 67

RECEIVER NO. 18691-R

OPERATOR 64

COMMENTS:

JOB 585 TIPPERARY LINE 2 SP 2 W 1/2 BEARING N 68 E NOV 12,70 250 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	97.26	3.40	35.0	3.40	35.0	0.00	**	3.20	3.00	1	1	380.000	0.00
2	2	130.20	5.20	39.9	5.20	39.9	0.00	**	5.00	3.00	2	2	125.000	0.00
3	1	171.17	3.60	21.0	3.60	21.0	0.00	**	3.40	2.00	3	1	445.000	0.00
4	2	107.91	3.80	35.2	3.80	35.2	0.00	**	3.60	3.00	4	2	105.000	0.00
5	3	136.58	5.10	37.3	5.10	37.3	0.00	**	4.90	3.00	5	3	52.500	0.00
6	1	159.61	2.60	16.3	2.60	16.3	0.00	**	2.40	2.00	6	1	419.000	0.00
7	2	213.23	4.80	22.5	4.80	22.5	0.00	**	4.60	2.00	7	2	137.000	0.00
8	3	138.52	4.80	34.7	4.80	34.7	0.00	**	4.60	3.00	8	3	53.400	0.00
9	4	175.98	5.80	33.0	5.80	33.0	0.00	**	5.60	3.00	9	4	33.600	0.00
10	1	77.13	2.50	32.4	2.50	32.4	0.00	**	2.30	3.00	10	1	304.000	0.00
11	2	139.13	3.40	24.4	3.40	24.4	0.00	**	3.20	2.00	11	2	90.600	0.00
12	3	211.29	4.80	22.7	4.80	22.7	0.00	**	4.60	2.00	12	3	54.300	0.00
13	4	148.05	4.20	28.4	4.20	28.4	0.00	**	4.00	3.00	13	4	28.700	0.00
14	5	187.21	4.90	26.2	4.90	26.2	0.00	**	4.70	3.00	14	5	20.600	0.00
15	1	87.69	1.80	20.5	1.80	20.5	0.00	**	1.60	3.00	15	1	348.000	0.00
16	2	74.55	3.00	40.2	3.00	40.2	0.00	**	2.80	3.00	16	2	73.100	0.00
17	3	111.98	4.00	35.7	4.00	35.7	0.00	**	3.80	2.00	17	3	29.000	0.00
18	4	162.80	4.90	30.1	4.90	30.1	0.00	**	4.70	2.00	18	4	20.900	0.00
19	5	116.45	4.20	36.1	4.20	36.1	0.00	**	4.00	3.00	19	5	12.900	0.00
20	6	140.05	4.70	33.6	4.70	33.6	0.00	**	4.50	3.00	20	6	9.650	0.00
21	2	83.61	1.50	17.9	1.50	17.9	0.00	**	1.30	3.00	21	2	83.200	0.00
22	3	68.18	2.40	35.2	2.40	35.2	0.00	**	2.20	3.00	22	3	26.900	0.00
23	4	96.75	3.40	35.1	3.40	35.1	0.00	**	3.20	2.00	23	4	12.600	0.00
24	5	136.76	4.20	30.7	4.20	30.7	0.00	**	4.00	2.00	24	5	10.100	0.00
25	6	100.75	3.10	30.8	3.10	30.8	0.00	**	2.90	3.00	25	6	7.050	0.00
26	3	64.07	1.90	29.7	1.90	29.7	0.00	**	1.70	3.00	26	3	25.400	0.00
27	4	52.52	3.00	57.1	3.00	57.1	0.00	**	2.80	3.00	27	4	10.300	0.00
28	5	72.57	3.80	52.4	3.80	52.4	0.00	**	3.60	2.00	28	5	5.380	0.00
29	6	105.08	4.20	40.0	4.20	40.0	0.00	**	4.00	2.00	29	6	4.850	0.00
30	4	60.83	2.40	39.5	2.40	39.5	0.00	**	2.20	3.00	30	4	12.000	0.00
31	5	47.51	2.70	56.8	2.58	54.3	.12	**	2.50	3.00	31	5	5.340	0.00
32	6	63.89	3.70	57.9	3.58	56.0	.12	**	3.60	2.00	32	6	2.960	.20

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS

JOB 585 TIPPERARY LINE 2 SP 2 E 1/2 BEARING N 68 E NOV 12,70 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

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	177.37	3.40	19.2	3.40	19.2	0.00	**	3.20	2.00	1	1	462.000	0.00
2	2	130.58	5.30	40.6	5.30	40.6	0.00	**	5.10	2.00	2	2	83.500	0.00
3	3	130.07	5.10	39.2	5.10	39.2	0.00	**	4.90	3.00	3	3	50.000	0.00
4	4	173.56	5.60	32.3	5.60	32.3	0.00	**	5.40	3.00	4	4	33.200	0.00
5	1	132.31	4.40	33.3	4.40	33.3	0.00	**	4.20	3.00	5	1	512.000	0.00
6	2	162.00	5.90	36.4	5.90	36.4	0.00	**	5.70	2.00	6	2	103.000	0.00
7	3	143.94	6.80	47.2	6.80	47.2	0.00	**	6.60	2.00	7	3	36.300	0.00
8	4	154.22	5.60	36.3	5.60	36.3	0.00	**	5.40	3.00	8	4	29.500	0.00
9	5	214.48	5.80	27.0	5.80	27.0	0.00	**	5.60	3.00	9	5	23.400	0.00
10	1	122.44	4.80	39.2	4.80	39.2	0.00	**	4.60	3.00	10	1	472.000	0.00
11	2	151.03	5.20	34.4	5.20	34.4	0.00	**	5.00	3.00	11	2	145.000	0.00
12	3	224.36	6.20	27.6	6.20	27.6	0.00	**	6.00	2.00	12	3	56.900	0.00
13	4	229.84	6.00	26.1	6.00	26.1	0.00	**	5.80	2.00	13	4	29.200	0.00
14	5	249.44	4.70	18.8	4.70	18.8	0.00	**	4.50	3.00	14	5	27.500	0.00
15	6	343.96	4.70	13.7	4.70	13.7	0.00	**	4.50	3.00	15	6	23.700	0.00
16	2	109.88	6.40	58.2	6.40	58.2	0.00	**	6.20	3.00	16	2	104.300	0.00
17	3	142.20	5.80	40.8	5.80	40.8	0.00	**	5.60	3.00	17	3	54.300	0.00
18	4	242.89	6.20	25.5	6.20	25.5	0.00	**	6.00	2.00	18	4	30.800	0.00
19	5	246.34	5.90	24.0	5.90	24.0	0.00	**	5.70	2.00	19	5	17.900	0.00
20	6	259.78	4.70	18.1	4.70	18.1	0.00	**	4.50	3.00	20	6	17.900	0.00
21	3	178.42	6.00	33.6	6.00	33.6	0.00	**	5.80	3.00	21	3	68.000	0.00
22	4	231.75	5.20	22.4	5.20	22.4	0.00	**	5.00	3.00	22	4	44.500	0.00
23	5	396.21	5.50	13.9	5.50	13.9	0.00	**	5.30	2.00	23	5	28.900	0.00
24	6	405.04	5.30	13.1	5.30	13.1	0.00	**	5.10	2.00	24	6	18.500	0.00
25	4	242.04	5.60	23.1	5.60	23.1	0.00	**	5.40	3.00	25	4	46.300	0.00
30	5	298.14	4.60	15.4	4.60	15.4	0.00	**	4.40	3.00	30	5	32.900	0.00
31	6	499.95	5.00	10.0	5.00	10.0	0.00	**	4.80	2.00	31	6	22.900	0.00

Job 385, Tipperary, Line 3, Sp 1, Bearing N68E, Nov 9, 70 500.

E ½

715
71.50

786.50

916.50
726.50

1300.00

I.P. RECEIVER NOTES

PAGE 1

HEINRICHS GEOEXPLORATION CO. PROJECT 585 –

LINE 3 BEARING N68°E HALF E SP. 1 DATE 11-9

SEND	Z-3	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	CAL
RECEIVE	0-500' E	→	5-10 E	→	→	10-15	→	→	→	4-5 ①
MULT.			10.	10.	1.0	10.	10.	1.0	1.0	10.
PFE										
			0.5	0.8	1.2	0.6	0.6	1.1	1.2	-0.2
CUR			2	2	2	2	2	2	2	2.
#			1	2	3	4	5	6	7	
"			1	2	3	1	2	3	4	
PFE Avg.										
AC			350.	121.	55.7	523.	129.	64.9	36.2	201.
DRIFT			0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P:	+8.9		-25.1			+37.0				
AC NOISE										3.0
POT RES.										0.3

I.P. RECEIVER NOTES

PAGE 2

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 3 BEARING N 68° E HALF E SP. 1 DATE 11-9

SEND	5-6	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3
RECEIVE	~~[illegible]~~	15-20	→	→	→	20-25	→	→	→	→
MULT.	10.	10.	1.0	1.0	1.0	10.	10.	1.0	1.0	1.0
PFE										
	0.3	0.5	0.8	1.3	1.6	0.6	0.5	0.9	1.2	1.6
CUR	2	2	2	2	2	2	2	2	2	2
#	8	9	10.	11.	12.	13.	14.	15.	16.	17.
n	1	2	3	4	5	1	2	3	4	5
PFE Avg.										
AC	328.	118.	46.3	27.7	17.5	627	131.	70.0	34.3	22.7
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	-3.8					+6.6				
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 3

HEINRICHS GEOEXPLORATION CO. PROJECT 585-7

LINE 3 BEARING N68°E HALF E SP. 1 DATE 11-9

SEND	1-2	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4
RECEIVE	20-25	25-30	→	→	→	→	30-35	→	→	→
MULT.	1.0	10.	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
PFE										
	1.9	0.4	0.7	1.1	1.4	2.0	0.8	1.4	1.6	2.0
									1.1↔2.3	1.2↔2.4
CUR	2	2	2	2	2	2	2	2	2	2
C#	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.
η	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	15.5	142.	54.0	34.6	19.4	13.8	81.5	38.2	26.3	15.7
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	~~+6.6~~	+11.0					-1.5			
AC NOISE										
POT RES.										

I.P. RECEIVER NOTES

PAGE 4

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 3 BEARING N68°E HALF E SP. S-1 DATE 11-9

SEND	6-7	5-6	4-5							
RECEIVE	30-35	→	→							
MULT.	1.0	1.0	1.0							
PFE										
	1.2	1.8	2.0							
CUR	2	2	2							
#	28	29	30							
n	4	5	6							
PFE Avg.										
AC	50.0	25.5	18.2							
DRIFT	0.0	0.0	0.0							
S.P.										
AC NOISE	+13.8									
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 3 HALF E SP. 1 DATE 11/9

SEND	1-2	1-2	3-4	2-3	1-2	4-5	3-4	2-3	1-2	5-6
RECEIVE	0-5E	→	5-10E	→	→	10-15E	→	→	→	15-20
RANGE			2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE			460V	680V	510V	380V	460V	680V	510V	450V
CURRENT			2A	2A	2A	2A	2A	2A	2A	2A
SEND	4-5	3-4	2-3	1-2	6-7	5-6	4-5	3-4	2-3	1-2
RECEIVE	E →	→	→	→	20-25E	→	→	→	→	→
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	380V	460V	680V	450V	480V	450V	380V	460V	680V	510V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A

FREQUENCIES 3.0 0.5
SENDER NO. MK S-7 7662-S
OPERATOR CT
RECEIVER NO. MK H-C 18691-K
OPERATOR CT

COMMENTS:

HENRICHS GEOEXPLORATION CO. PROJECT

L P SEEDER NOTES LINE NAME SP. DATE

SEND									
RECEIVE									
RANGE									
VOLTAGE									
CURRENT									
SEND									
RECEIVE									
RANGE									
VOLTAGE									
CURRENT									

FREQUENCIES

SEEDER NO

OPERATOR

RECEIVER NO

OPERATOR

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 3 HALF E SP. 1 DATE 11/2

PAGE 5B

SEND	6-7	5-6	4-5	3-4	2-3	6-7	5-6	4-5	3-4	
RECEIVE	25-30R →					30-35R →				
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	
VOLTAGE	480V	450V	380V	460V	680V	480V	450V	380V	460V	
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	
SEND	6-7	~~5-6~~	4-5							CAL
RECEIVE	35-40R →									4-5
RANGE	2-B	2-B	2-B							2-B
VOLTAGE	480V	450V	380V							480V
CURRENT	2A	2A	2A							2A

FREQUENCIES 3.0 0.5

SENDER NO. MK5-7 9662-S

OPERATOR 67

RECEIVER NO. MK-4C 18651

OPERATOR 64

COMMENTS: Note

HENRICKS ELECTRONICS CO

T R SENDER NOTES

PROJECT

LINE HOLE SP DATE

SEND								
RECEIVE								
RANGE								
VOLTAGE								
CURRENT								
SEND								
RECEIVE								
RANGE								
VOLTAGE								
CURRENT								

FREQUENCIES

SENDER NO

OPERATOR

RECEIVER NO

OPERATOR

COMMENTS

Job 585 Tipperary, Line 3 spl W½, Bearing 568°W Nov 10
500.

I.P. RECEIVER NOTES

PAGE 5

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 3 BEARING S68°W HALF W SP. 1 DATE 11-10

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	CAL (2)
RECEIVE	0-500W →		5-10W	→		10-15W	→		→	5-6
MULT.	10.	10.	10.	10.	1.0	10.	10.	1.0	1.0	10
PFE										
	0.6	0.6	0.5	0.7	1.0	0.6	0.7	1.0	1.3	-0.2
CUM	2.	2	2	2	2	2	2	2	2	2.0
#	1	5	31	2	6	32	33	3	7	
n	1	2	1	2	3	1	2	3	4	
PFE Avg.										
AC	356.	131.	404.	123.	65.4	359.	122.	56.6	36.8	203.
DRIFT	0.0	0.0	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
S.P.	+4.1		-1.5			-0.9				
AC NOISE			mine at ≈ 900'W							3.6
POT RES.			"on line" - OXIDES							0.3

I.P. RECEIVER NOTES

PAGE 6

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 3 BEARING S 69°W HALF W SP. 1 DATE 1-10

SEND	2-3	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6
RECEIVE	15-20	→	→	→	→	20-25	→	→	→	→
MULT.	10.	1.0	1.0	1.0	1.0	10.	10.	1.0	1.0	1.0
PFE										
	0.8	0.8	1.0	1.2	1.6	0.7	1.0	1.2	1.4	1.5
CUR.	2	2	2	2	2	2	2	2	2	2
#	34	35	36	37	38	39	40	41	42	43
7	1	2	3	4	5	1	2	3	4	5
PFE Avg.						(512.)				
AC	254.	83.1	43.3	23.0	16.4	51.25	161.	72.4	44.2	24.9
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.	+8.2					-1.1				
AC NOISE	S.P. Very noisie									
POT RES.										

I.P. RECEIVER NOTES

PAGE 7

HEINRICHS GEOEXPLORATION CO. PROJECT 585-

LINE 3 BEARING S 68° W HALF W SP. 1 DATE 11-10

SEND	6-7	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5
RECEIVE	20-25	25-30	→			→	30-35	→		→
MULT.	1.0	1.0	1.0	1.0	1.0	0.1	1.0	1.0	0.1	0.1
PFE										
	1.7	0.9	1.2	1.3	1.4	1.6	1.2	1.4	1.2	1.6
					0.8 ⇔ 2.8	0.0 ⇔ 3.2				
COR	2	2	2	2	2	2	2	2	2	2
#	44	45	46	47	48	49	50	51	52	53
n	6	2	3	4	5	6	3	4	5	6
PFE Avg.										
AC	18.8	84.1	36.2	18.8	11.9	7.60	15.8	15.8	8.82	5.85
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
S.P.		+0.8					-6.0			
AC NOISE	HIGH	AC & DC Noise Level.								
POT RES.										

I.P. RECEIVER NOTES

PAGE 8

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 3 BEARING S68°W HALF W SP. 1 DATE 11-10

SEND	1-2	2-3	3-4							
RECEIVE	35-40cw →									
MULT.	1.0	0.1	0.1							
PFE	~~1.0~~									
	0.8	0.9	0.8							56
										1
										31
CUR	2	2	2							
#	54	55	56							
n	4	5	6							
PFE Avg.										
AC	12.4	6.91	4.10							
DRIFT	0.0	0.0	0.0							
S.P.	-5.7									
AC NOISE										
POT RES.										

PAGE 6A

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70

LINE 3 HALF W SP. 1 DATE 11/10

SEND	5-6	6-7	4-5	5-6	6-7	3-4	4-5	5-6	6-7	2-3
RECEIVE	0-5W	→	5-10W	→	→	10-15W	→	→	→	15-20
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B
VOLTAGE	460V	480V	390V	460V	480V	440V	390V	460V	480V	660V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A
SEND	3-4	4-5	5-6	6-7	1-2	2-3	3-4	4-5	5-6	6-7
RECEIVE	W →	→	→	→	20-25W	→	→	→	→	→
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	A-B	2-B	2-B
VOLTAGE	440V	390V	460V	480V	500V	660V	440V	390V	440V	450V
CURRENT	2A	2A	2A	2A	2A	2A	2A	2A	2A	2A

FREQUENCIES 3.0 0.5

SENDER NO. MK 5-17 9662-S

OPERATOR 67

RECEIVER NO. MK 4-C 1869-R

OPERATOR 64

COMMENTS:

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 3 HALF W SP. 1 DATE 11/10

SEND	1-2	2-3	3-4	4-5	5-6	1-2	2-3	3-4	4-5	
RECEIVE	25-30V	→		→	30 →	30-35V	→	→	→	
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	2-B	
VOLTAGE	500V	660V	440V	370V	460V	260V	660V	440V	350V	
CURRENT	2A	2A	2A	2A	2A	1A	2A	2A	2A	
SEND	1-2	2-3	3-4							Col
RECEIVE	35-40V	→	→							5-6
RANGE	2-B	2-B	2-B							2-B
VOLTAGE	500V	660V	440V							550V
CURRENT	2A	2A	2A							2A

FREQUENCIES 3.0 0.3
SENDER NO. 9662-S
OPERATOR 67
RECEIVER NO. 18691-R
OPERATOR 64

COMMENTS:

Job 585, Tipperary Line 3 sp 2 W½ bearing S68W Nov 10, 20

500,

I.P. RECEIVER NOTES

PAGE 10

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 3 BEARING 568°W HALF W SP. 2 DATE 11-10

SEND	-1-2	-2-3	-3-4	-1-2	-2-3	-3-4				CAL
RECEIVE	4.5-5.0W	→	→	5.0-5.5	→	→				-1-2
MULT.	1.0	1.0	1.0	1.0	1.0	0.1				10
PFE										
1	0.8	1.2	1.2	0.8	1.1	1.0				-0.2
CUR	2	2	2	2	2	2				2.0
#	10	11	12	13	14	15				
η	1	2	3	2	3	4				
PFE Avg.										
AC	84.1	25.6	12.0	26.4	12.3	8.06				202.
DRIFT	0.0	0.0	0.0	0.0	0.0	0.0				0.0
S.P.	+8.9			-1.7						
AC NOISE										3.0
POT RES.										0.3

I.P. RECEIVER NOTES

HEINRICHS GEOEXPLORATION CO. PROJECT 585-70

LINE 3 BEARING S68°W HALF ___ SP. 2 DATE 11-10

SEND	-3-4	-2-3	-1-2	-2-3	-1-2	-1-2	SP	-3-4	-2-3	-3-4
RECEIVE	1.5-20W	20W	→	20-25W	→	25-30W	30-35W	35-40	40-45W	→
MULT.	10.	1.0	1.0	10.	1.0	10.		1.0	10.	10
PFE										
1	0.6	0.8	0.7	0.7	0.6	1.0		1.0	0.7	0.7
CUR	1.5	2	2	2	2	2		1	2	1
#	1	2	3	4	5	6		7	8	9
4	1	2	3	1	2	1		1	1	2
PFE Avg.										
AC	148.	52.2	16.4	280	56.6	119.		61.3	101.	12.8
DRIFT	0.0	0.0	0.0	0.0	0.0	+0.2		0.0	0.0	0.0
S.P.	-2.1			+3.7		-6.3	+6.4	+6.5	-15.5	
AC NOISE										
POT RES.										

HEINRICHS GEOEXPLORATION CO.

I. P. SENDER NOTES

PROJECT 585-70
LINE 3 HALF W SP. 2 DATE 11/10/0

SEND	3-4	2-3	1-2	2-3	1-2	1-2		3-4	2-3	3-4
RECEIVE	15-20 ~~15-20~~	→	→	20-25 ~~15-20~~	→	~~25-30~~ ~~20-25~~	30-35 ~~25-30~~	35-40 30-35	40-45 ~~35-40~~	→
RANGE	2-B	2-B	2-B	2-B	2-B	2-B	SP	2-B	2-B	2-B
VOLTAGE	510V	640V	380V	640V	380V	380V	ON/	350V	620V	350V
CURRENT	1.5A	2A	2A	2A	2A	2A		1A	2A	1A
SEND	1-2	2-3	3-4	1-2	2-3	3-4	1-2	2-3	3-4	CAL
RECEIVE	~~45-48~~	→	→	~~50-55~~	→	→	50-55	→	→	1-2
RANGE	2-B	2-B	2-B	2-B	2-B	2-B				2-B
VOLTAGE	380V	620V	680V	380V	620V	680V				580V
CURRENT	2A	2A	2A	2A	2A	2A				2A

FREQUENCIES 3.0 0.3
SENDER NO. 9662-S
OPERATOR 67
RECEIVER NO. 18691-R
OPERATOR 64

COMMENTS: 1500' to 5

JOB 585 TIPPERARY LINE 3 SP 1 E 1/2 BEARING N 68E NOV 9,70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.20	201.000	0.00	3.00	.30	-.2000	.9950

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	263.02	.70	2.7	.70	2.7	0.00	**	.50	2.00	1	1	350.000	0.00
2	2	364.81	1.00	2.7	1.00	2.7	0.00	**	.80	2.00	2	2	121.000	0.00
3	3	421.49	1.40	3.3	1.40	3.3	0.00	**	1.20	2.00	3	3	55.700	0.00
4	1	393.42	.80	2.0	.80	2.0	0.00	**	.60	2.00	4	1	523.000	0.00
5	2	388.16	.80	2.1	.80	2.1	0.00	**	.60	2.00	5	2	129.000	0.00
6	3	490.62	1.30	2.6	1.30	2.6	0.00	**	1.10	2.00	6	3	64.900	0.00
7	4	547.86	1.40	2.6	1.40	2.6	0.00	**	1.20	2.00	7	4	36.200	0.00
8	1	246.00	.50	2.0	.50	2.0	0.00	**	.30	2.00	8	1	328.000	0.00
9	2	354.70	.70	2.0	.70	2.0	0.00	**	.50	2.00	9	2	118.000	0.00
10	3	348.98	1.00	2.9	1.00	2.9	0.00	**	.80	2.00	10	3	46.300	0.00
11	4	419.63	1.50	3.6	1.50	3.6	0.00	**	1.30	2.00	11	4	27.700	0.00
12	5	465.32	1.80	3.9	1.80	3.9	0.00	**	1.60	2.00	12	5	17.500	0.00
13	1	471.65	.80	1.7	.80	1.7	0.00	**	.60	2.00	13	1	627.000	0.00
14	2	393.78	.70	1.8	.70	1.8	0.00	**	.50	2.00	14	2	131.000	0.00
15	3	528.13	1.10	2.1	1.10	2.1	0.00	**	.90	2.00	15	3	70.000	0.00
16	4	519.11	1.40	2.7	1.40	2.7	0.00	**	1.20	2.00	16	4	34.300	0.00
17	5	603.58	1.80	3.0	1.80	3.0	0.00	**	1.60	2.00	17	5	22.700	0.00
18	6	661.36	2.10	3.2	2.10	3.2	0.00	**	1.90	2.00	18	6	15.500	0.00
19	2	426.42	.60	1.4	.60	1.4	0.00	**	.40	2.00	19	2	142.000	0.00
20	3	406.61	.90	2.2	.90	2.2	0.00	**	.70	2.00	20	3	54.000	0.00
21	4	523.13	1.30	2.5	1.30	2.5	0.00	**	1.10	2.00	21	4	34.600	0.00
22	5	514.82	1.60	3.1	1.60	3.1	0.00	**	1.40	2.00	22	5	19.400	0.00
23	6	589.40	2.20	3.7	2.20	3.7	0.00	**	2.00	2.00	23	6	13.800	0.00
24	3	614.21	1.75	2.8	1.75	2.8	0.00	**	.80	2.00	24	3	81.500	-1.50
25	4	579.27	1.60	2.8	1.60	2.8	0.00	**	1.40	2.00	25	4	38.200	0.00
26	5	699.31	1.80	2.6	1.80	2.6	0.00	**	1.60	2.00	26	5	26.300	0.00
27	6	670.55	2.20	3.3	2.20	3.3	0.00	**	2.00	2.00	27	6	15.700	0.00
28	4	756.72	1.40	1.9	1.40	1.9	0.00	**	1.20	2.00	28	4	50.000	0.00
29	5	679.37	2.00	2.9	2.00	2.9	0.00	**	1.80	2.00	29	5	25.500	0.00
30	6	777.33	2.20	2.8	2.20	2.8	0.00	**	2.00	2.00	30	6	18.200	0.00

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

JOB 585 TIPPERARY LINE 3 SP 1 W 1/2 BEARING S 68 W NOV 10.70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
2.000	-.20	203.000	0.00	3.00	.30	-.2000	.9852

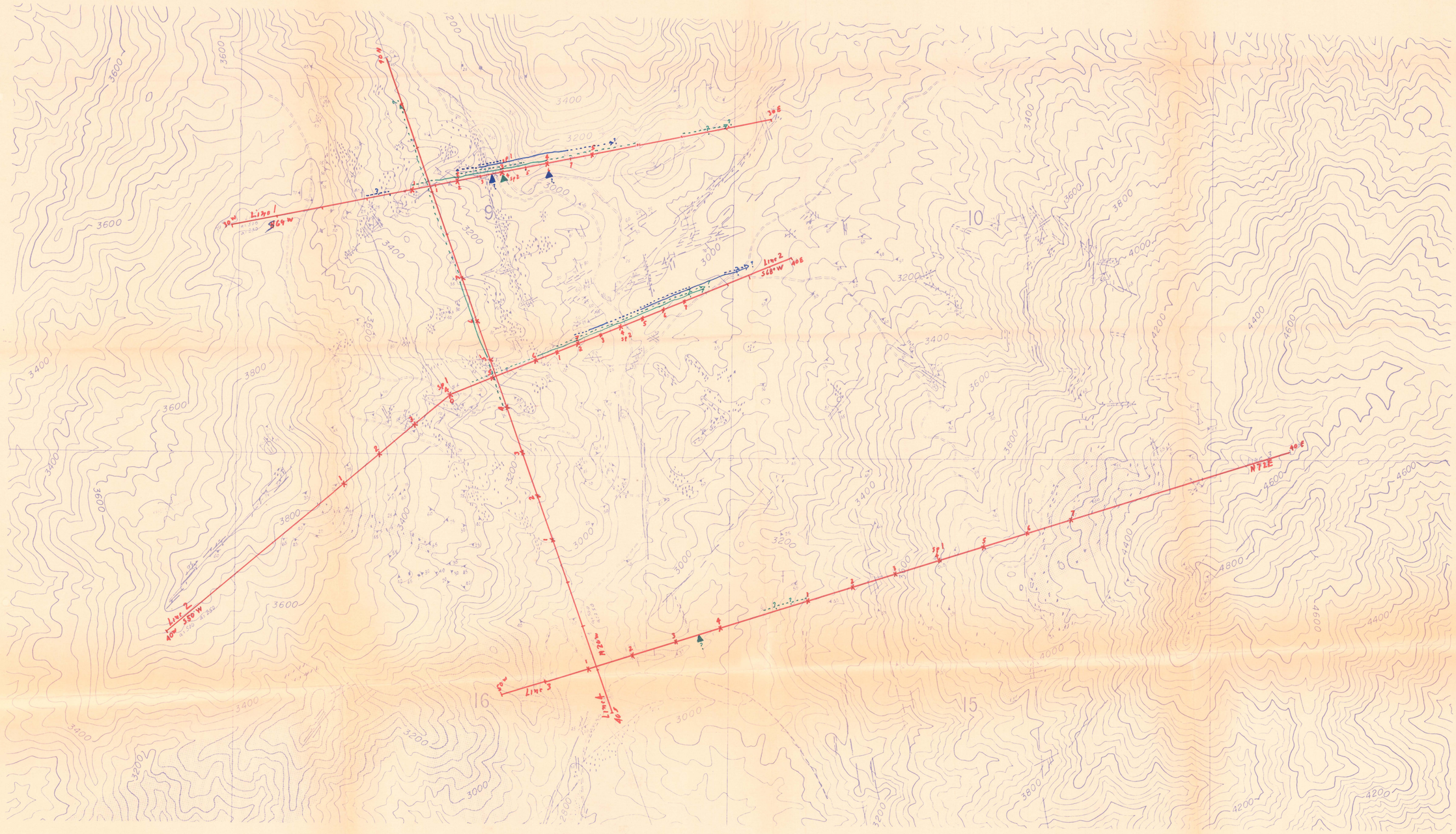
COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	265.16	.80	3.0	.80	3.0	0.00	**	.60	2.00	1	1	356.000	0.00
5	2	390.29	.80	2.0	.80	2.0	0.00	**	.60	2.00	5	2	131.000	0.00
31	1	300.61	.70	2.3	.70	2.3	0.00	**	.50	2.00	31	1	404.000	0.00
2	2	366.82	.90	2.5	.90	2.5	0.00	**	.70	2.00	2	2	123.000	0.00
6	3	489.05	1.20	2.5	1.20	2.5	0.00	**	1.00	2.00	6	3	65.400	0.00
32	1	267.39	.70	2.6	.70	2.6	0.00	**	.60	2.00	32	1	359.000	.20
33	2	363.84	.90	2.5	.90	2.5	0.00	**	.70	2.00	33	2	122.000	0.00
3	3	423.25	1.20	2.8	1.20	2.8	0.00	**	1.00	2.00	3	3	56.600	0.00
7	4	552.00	1.50	2.7	1.50	2.7	0.00	**	1.30	2.00	7	4	36.800	0.00
34	1	189.56	1.00	5.3	1.00	5.3	0.00	**	.80	2.00	34	1	254.000	0.00
35	2	248.07	1.00	4.0	1.00	4.0	0.00	**	.80	2.00	35	2	83.100	0.00
36	3	323.79	1.20	3.7	1.20	3.7	0.00	**	1.00	2.00	36	3	43.300	0.00
37	4	344.66	1.40	4.1	1.40	4.1	0.00	**	1.20	2.00	37	4	23.000	0.00
38	5	431.77	1.80	4.2	1.80	4.2	0.00	**	1.60	2.00	38	5	16.400	0.00
39	1	381.73	.90	2.4	.90	2.4	0.00	**	.70	2.00	39	1	512.000	0.00
40	2	481.57	1.20	2.5	1.20	2.5	0.00	**	1.00	2.00	40	2	161.000	0.00
41	3	542.47	1.40	2.6	1.40	2.6	0.00	**	1.20	2.00	41	3	72.400	0.00
42	4	663.65	1.60	2.4	1.60	2.4	0.00	**	1.40	2.00	42	4	44.200	0.00
43	5	654.91	1.70	2.6	1.70	2.6	0.00	**	1.50	2.00	43	5	24.900	0.00
44	6	792.71	1.90	2.4	1.90	2.4	0.00	**	1.70	2.00	44	6	18.800	0.00
45	2	251.31	1.10	4.4	1.10	4.4	0.00	**	.90	2.00	45	2	84.100	0.00
46	3	271.23	1.40	5.2	1.40	5.2	0.00	**	1.20	2.00	46	3	36.200	0.00
47	4	282.00	1.50	5.3	1.50	5.3	0.00	**	1.30	2.00	47	4	18.800	0.00
48	5	312.68	1.60	5.1	1.60	5.1	0.00	**	1.40	2.00	48	5	11.900	0.00
49	6	320.14	1.80	5.6	1.71	5.3	.09	**	1.60	2.00	49	6	7.600	0.00
50	3	118.38	1.40	11.8	1.40	11.8	0.00	**	1.20	2.00	50	3	15.800	0.00
51	4	237.23	1.60	6.7	1.60	6.7	0.00	**	1.40	2.00	51	4	15.800	0.00
52	5	231.30	1.40	6.1	1.31	5.7	.09	**	1.20	2.00	52	5	8.820	0.00
53	6	246.43	1.80	7.3	1.67	6.8	.13	**	1.60	2.00	53	6	5.850	0.00
54	4	185.08	1.00	5.4	1.00	5.4	0.00	**	.80	2.00	54	4	12.400	0.00
55	5	180.67	1.10	6.1	.97	5.4	.13	**	.90	2.00	55	5	6.910	0.00
56	6	171.35	1.00	5.8	.78	4.6	.22	**	.80	2.00	56	6	4.100	0.00

JOB 585 TIPPERARY LINE 3 SP 2 W 1/2 BEARING S 68 W NOV 10,70 500 FEET=DIPOLE LENGTH
CAL GROUP NO. 3

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

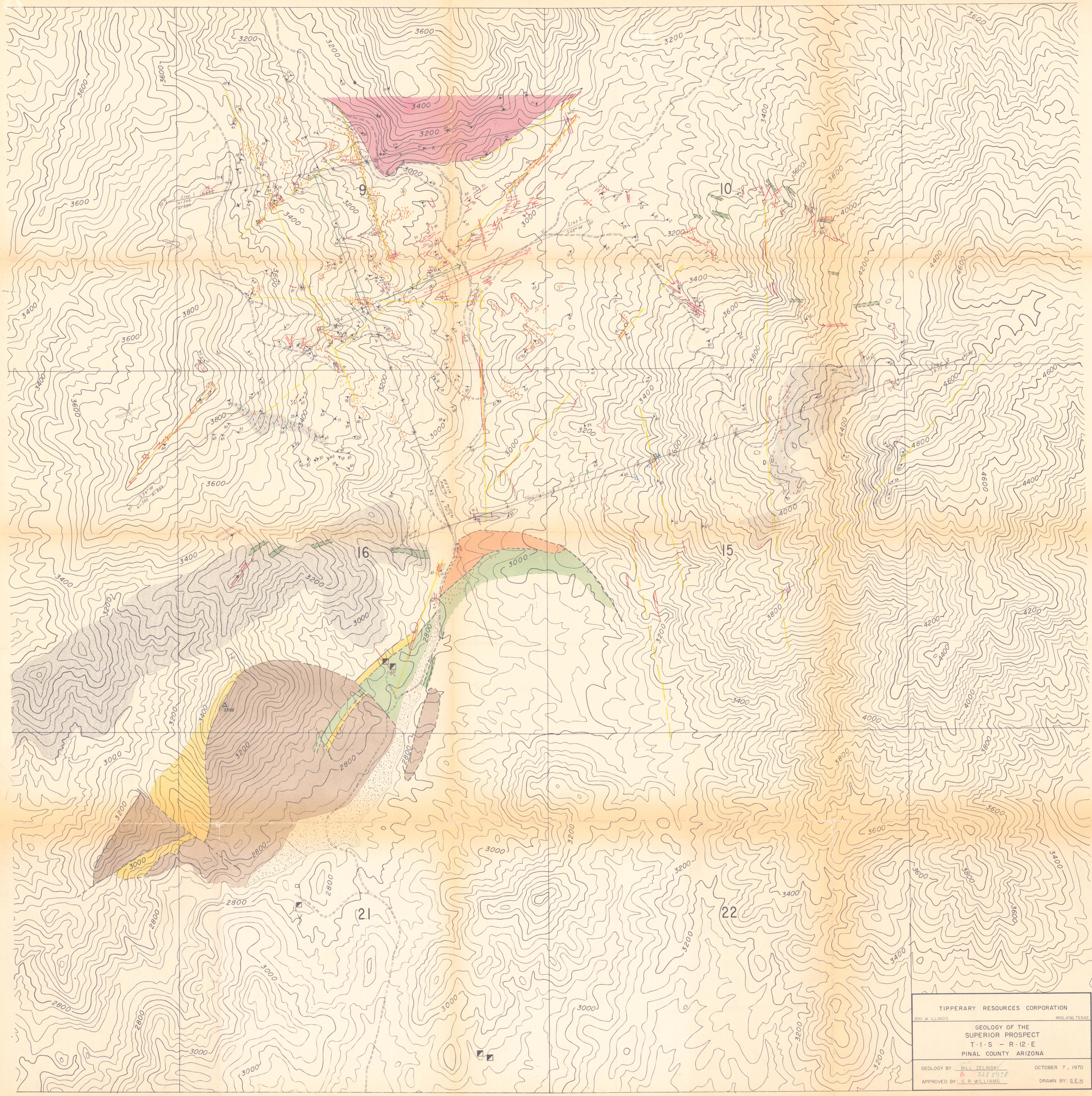
COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
10	1	63.07	1.00	15.9	1.00	15.9	0.00	**	.80	2.00	10	1	84.100	0.00
11	2	77.10	1.40	18.2	1.40	18.2	0.00	**	1.20	2.00	11	2	25.600	0.00
12	3	90.36	1.40	15.5	1.29	14.3	.11	**	1.20	2.00	12	3	12.000	0.00
13	2	79.20	1.00	12.6	1.00	12.6	0.00	**	.80	2.00	13	2	26.400	0.00
14	3	92.52	1.30	14.1	1.20	12.9	.10	**	1.10	2.00	14	3	12.300	0.00
15	4	121.14	1.20	9.9	1.06	8.8	.14	**	1.00	2.00	15	4	8.060	0.00
1	1	147.71	.80	5.4	.80	5.4	0.00	**	.60	1.50	1	1	148.000	0.00
2	2	156.60	1.00	6.4	1.00	6.4	0.00	**	.80	2.00	2	2	52.200	0.00
3	3	122.88	.90	7.3	.90	7.3	0.00	**	.70	2.00	3	3	16.400	0.00
4	1	209.79	.90	4.3	.90	4.3	0.00	**	.70	2.00	4	1	280.000	0.00
5	2	169.46	.80	4.7	.80	4.7	0.00	**	.60	2.00	5	2	56.600	0.00
6	1	89.43	1.10	12.3	1.10	12.3	0.00	**	1.00	2.00	6	1	119.000	.20
7	1	92.13	1.20	13.0	1.20	13.0	0.00	**	1.00	1.00	7	1	61.300	0.00
8	1	75.67	.90	11.9	.90	11.9	0.00	**	.70	2.00	8	1	101.000	0.00
9	2	76.72	.90	11.7	.90	11.7	0.00	**	.70	1.00	9	2	12.800	0.00

Job 585
Field Copy

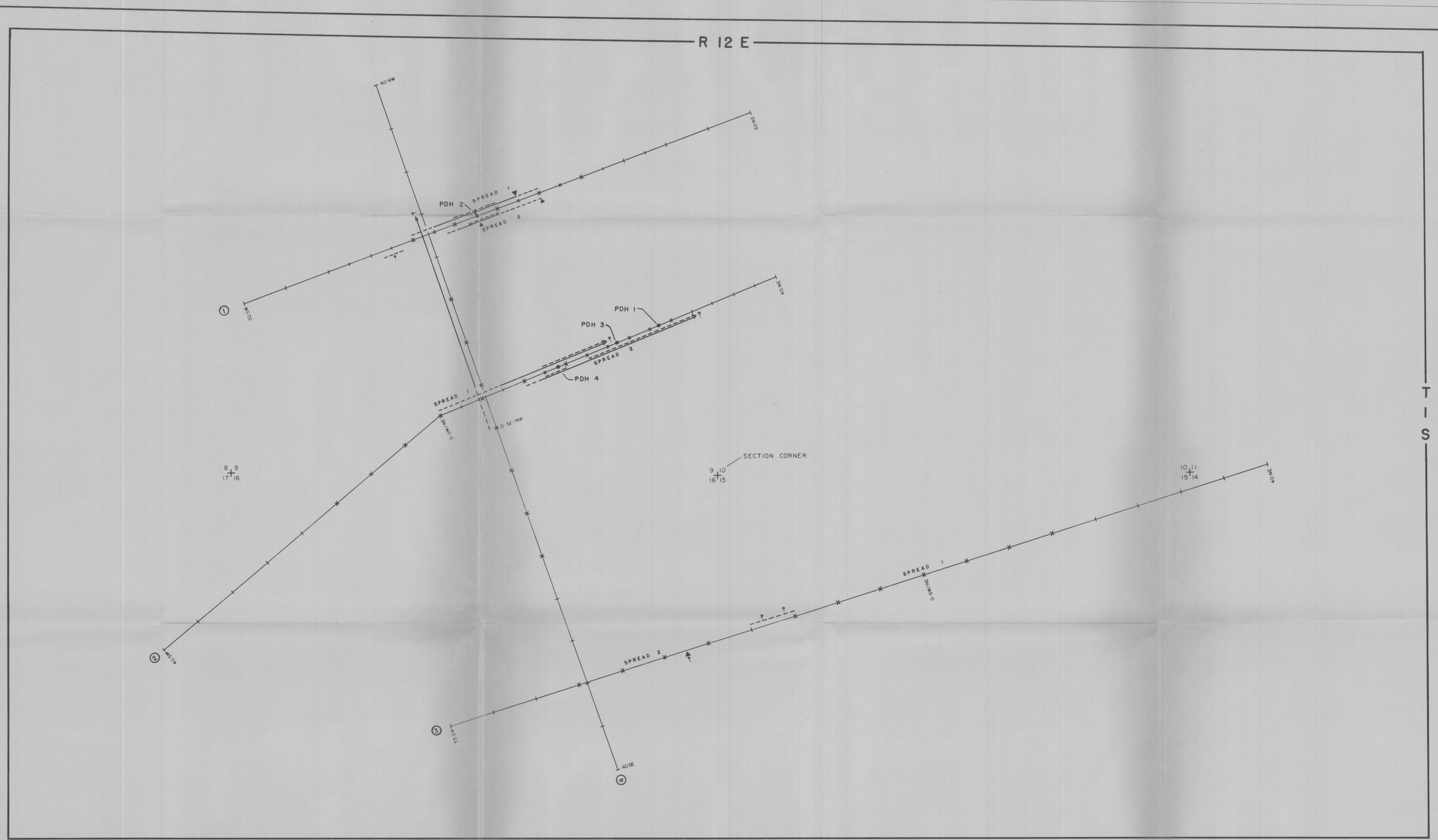


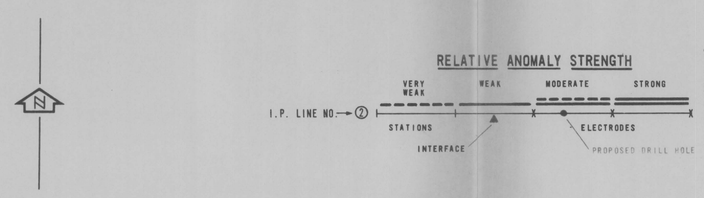
a= 500'
a= 250'

Tipperary Resources Corporation
T1S R12E
Pinal County, Arizona
Job 585


9
10
15
16
21
22
Line 1
N.S.90
AT 250
Line 2
S.68°W
S.59°W
N.S.90
AT 350
Line 3
N 77° E
LEGEND
GILA CONGLOMERATE
RHYOLITE INTRUSIVE
DIABASE
DRIPPING SPRINGS QTZT.
PIONEER FORMATION
PINAL SCHIST
EPIDOTIZATION AND CHLORITIZATION
IRON
FAULT BRECCIA
SERICITIZATION
FAULT
COPPER MINERALIZATION
FOLIATION
JOINTS
FRACTURE
INFERRED FAULT ZONES
CONTACT (Inferred Contact)
PROSPECT PIT
JEEP TRAILS
SHAFT
SCALE: 1" = 500'
TIPPERARY RESOURCES CORPORATION
500 W. ILLINOIS
MIDLAND, TEXAS
GEOLOGY OF THE
SUPERIOR PROSPECT
T·1·S – R·12·E
PINAL COUNTY ARIZONA
GEOLOGY BY: BILL ZELINSKI
OCTOBER 7, 1970
APPROVED BY: C. R. WILLIAMS
DRAWN BY: G.E.H.

SCANNED 2-2010 NJN





THIS SHEET OVERLAYS GEOLOGIC-TOPOGRAPHIC MAP FURNISHED BY CLIENT.

HEINRICHS
GEOEXPLORATION COMPANY
geophysical engineers
POST OFFICE BOX 5964, TUCSON, ARIZONA, 85703
Phone: 602/623-0378 Cable: GEOEX, Tucson
vancouver sydney

585-70

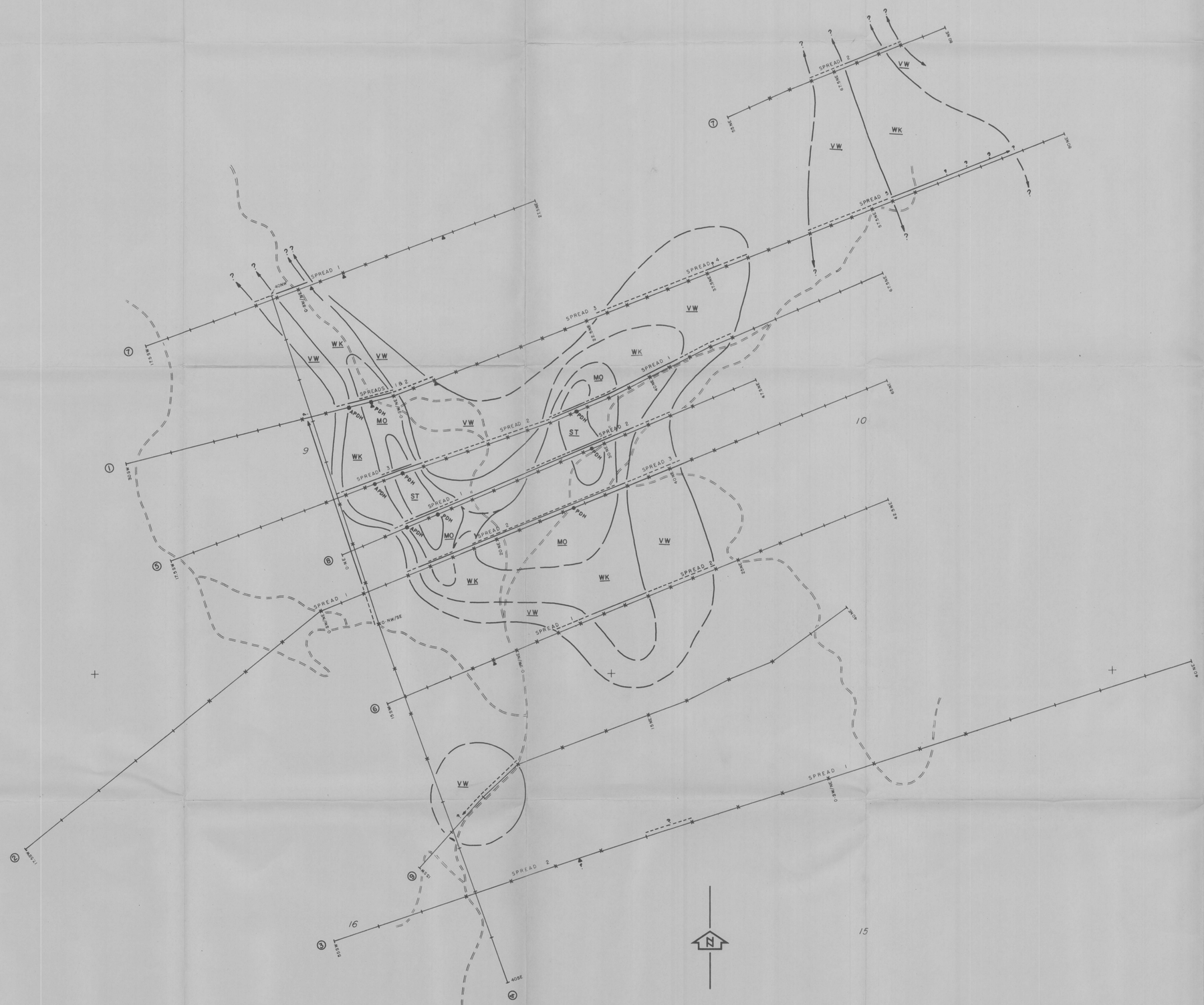
INDUCED POLARIZATION LOCATION AND INTERPRETATION PLAN
of
SUPERIOR PROSPECT
PINAL COUNTY, ARIZONA

FOR

TIPPERARY RESOURCES CORPORATION

SCALE: 1" = 500' | DRAWN BY: JAY DOWNS | DATE: DEC. 1970

T1S—R12E



NOTES: ON LINES WITH BOTH 250' & 500' DIPOLES, ONLY THE 250' INTERPRETATION IS SHOWN.

THIS SHEET OVERLAYS GEOLOGIC-TOPOGRAPHIC MAP FURNISHED BY CLIENT.

RELATIVE ANOMALY STRENGTH

VERY WEAK — WEAK — MODERATE — STRONG

I.P. LINE NO. — STATIONS — INTERFACE — ELECTRODES — PROPOSED DRILL HOLE — ALTERNATE PROPOSED DRILL HOLE

ST	STRONG
MO	MODERATE
WK	WEAK
VW	VERY WEAK

OUTLINE OF AREAS OF EQUAL RELATIVE ANOMALY STRENGTH. (SCHEMATIC)

SECTION CORNER

SECTION NUMBER

ROADS

HEINRICHS GEOEXPLORATION COMPANY
POST OFFICE BOX 9984 TUCSON, ARIZONA, 85703
Phone: 602/623-0578 Cable: GEOEX, Tucson
geophysical engineers vancouver sydney

585-70

PHASE II INDUCED POLARIZATION LOCATION AND INTERPRETATION PLAN of SUPERIOR PROSPECT PINAL COUNTY, ARIZONA

FOR

TIPPERARY RESOURCES CORPORATION

SCALE: 1" = 500' | DRAWN BY: JAY DOWNS | DATE: JAN 1971

JOB 585 EXT LINE 1 SP3 E 1/2 1/8/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	100.300	0.00	3.00	.30	.1000	.9970

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	724.83	3.00	4.1	3.00	4.1	0.00	**	3.10	.90	1	1	847.000	0.00
2	2	1061.84	3.20	3.0	3.20	3.0	0.00	**	3.30	1.00	2	2	344.000	0.00
3	1	581.34	3.20	5.5	3.20	5.5	0.00	**	3.30	.30	3	1	226.000	0.00
4	2	574.79	2.40	4.2	2.40	4.2	0.00	**	2.50	.30	4	2	56.300	0.00
5	3	785.10	2.60	3.3	2.60	3.3	0.00	**	2.70	.90	5	3	92.100	0.00
6	1	360.82	3.40	9.4	3.40	9.4	0.00	**	3.50	.30	6	1	140.000	0.00
7	2	330.03	2.80	8.5	2.80	8.5	0.00	**	2.90	.30	7	2	32.200	0.00
8	3	390.23	3.00	7.7	3.00	7.7	0.00	**	3.10	.30	8	3	15.200	0.00
9	4	512.43	3.00	5.9	3.00	5.9	0.00	**	3.10	.30	9	4	9.980	0.00
10	1	428.04	4.50	10.5	4.50	10.5	0.00	**	4.60	.90	10	1	493.000	0.00
11	2	450.58	5.10	11.3	5.10	11.3	0.00	**	5.20	.90	11	2	129.000	0.00
12	3	426.44	3.90	9.1	3.90	9.1	0.00	**	4.00	.90	12	3	49.400	0.00
13	4	544.52	3.70	6.8	3.70	6.8	0.00	**	3.80	.90	13	4	31.600	0.00
14	5	700.95	3.90	5.6	3.90	5.6	0.00	**	4.00	.90	14	5	23.200	0.00
15	1	500.19	4.70	9.4	4.70	9.4	0.00	**	4.80	.90	15	1	575.000	0.00
16	2	488.91	3.60	7.4	3.60	7.4	0.00	**	3.70	.90	16	2	142.000	0.00
17	3	451.91	4.00	8.9	4.00	8.9	0.00	**	4.10	.90	17	3	52.300	0.00
18	4	432.18	2.80	6.5	2.80	6.5	0.00	**	2.90	.90	18	4	25.300	0.00
19	5	530.15	3.00	5.7	3.00	5.7	0.00	**	3.10	.90	19	5	17.700	0.00
20	6	671.57	3.10	4.6	3.10	4.6	0.00	**	3.20	.90	20	6	14.000	0.00
21	2	606.02	4.20	6.9	4.20	6.9	0.00	**	4.30	.90	21	2	175.000	0.00
22	3	508.95	3.30	6.5	3.30	6.5	0.00	**	3.40	.90	22	3	59.300	0.00
23	4	447.16	3.90	8.7	3.90	8.7	0.00	**	4.00	.90	23	4	25.900	0.00
24	5	442.86	2.90	6.5	2.90	6.5	0.00	**	3.00	.90	24	5	14.800	0.00
25	6	535.69	2.80	5.2	2.80	5.2	0.00	**	2.90	.90	25	6	11.200	0.00
26	3	825.91	4.20	5.1	4.20	5.1	0.00	**	4.30	.90	26	3	95.400	0.00
27	4	643.07	3.20	5.0	3.20	5.0	0.00	**	3.30	.90	27	4	37.500	0.00
28	5	555.29	3.50	6.3	3.50	6.3	0.00	**	3.60	.60	28	5	12.300	0.00
29	6	564.94	2.90	5.1	2.90	5.1	0.00	**	3.00	.90	29	6	11.800	0.00
30	4	308.08	3.00	9.7	3.00	9.7	0.00	**	3.10	.90	30	4	18.000	0.00
31	5	259.32	2.50	9.6	2.50	9.6	0.00	**	2.60	.90	31	5	8.700	0.00
32	6	236.76	2.80	11.8	2.80	11.8	0.00	**	2.90	.60	32	6	3.300	0.00
33	5	562.55	2.90	5.2	2.90	5.2	0.00	**	3.00	.90	33	5	18.800	0.00
34	6	439.28	2.40	5.5	2.40	5.5	0.00	**	2.50	.90	34	6	9.220	0.00
35	6	547.37	2.30	4.2	2.30	4.2	0.00	**	2.40	.90	35	6	11.500	0.00

JOB 585 LINE 1 SPREAD 4 EAST 1/2 1/11/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
.900	.10	90.900	0.00	3.00	.30	.1000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	428.18	4.00	9.3	4.00	9.3	0.00	**	4.10	.90	1	1	499.000	0.00
2	2	656.84	4.20	6.4	4.20	6.4	0.00	**	4.30	.90	2	2	191.000	0.00
3	3	275.35	3.00	10.9	3.00	10.9	0.00	**	3.10	.90	3	3	32.400	0.00
4	4	494.60	3.00	6.1	3.00	6.1	0.00	**	3.10	.60	4	4	19.400	0.00
5	1	285.52	3.30	11.6	3.30	11.6	0.00	**	3.40	.90	5	1	335.000	0.00
6	2	121.86	2.00	16.4	2.00	16.4	0.00	**	2.10	.90	6	2	36.200	0.00
7	3	245.14	2.10	8.6	2.10	8.6	0.00	**	2.20	.60	7	3	19.400	0.00
8	1	84.15	2.60	30.9	2.60	30.9	0.00	**	2.70	.90	8	1	99.400	0.00
9	2	171.18	2.30	13.4	2.30	13.4	0.00	**	2.40	.30	9	2	16.900	0.00
10	1	294.05	3.30	11.2	3.30	11.2	0.00	**	3.40	.30	10	1	115.000	0.00
11	1	202.26	3.00	14.8	3.00	14.8	0.00	**	3.10	.90	11	1	238.000	0.00
12	2	246.39	2.20	8.9	2.20	8.9	0.00	**	2.30	.60	12	2	48.700	0.00
13	3	177.54	1.50	8.4	1.50	8.4	0.00	**	1.60	.90	13	3	21.200	0.00
14	4	252.66	1.40	5.5	1.40	5.5	0.00	**	1.50	.90	14	4	15.100	0.00
15	5	484.79	2.30	4.7	2.30	4.7	0.00	**	2.40	.30	15	5	5.470	0.00
16	1	351.63	2.20	6.3	2.20	6.3	0.00	**	2.30	.30	16	1	139.000	0.00
17	2	284.71	2.70	9.5	2.70	9.5	0.00	**	2.80	.90	17	2	84.000	0.00
18	3	372.93	1.80	4.8	1.80	4.8	0.00	**	1.90	.60	18	3	29.600	0.00
19	4	335.31	1.60	4.8	1.60	4.8	0.00	**	1.70	.90	19	4	20.000	0.00
20	5	488.51	1.60	3.3	1.60	3.3	0.00	**	1.70	.60	20	5	11.100	0.00
21	6	903.96	2.70	3.0	2.70	3.0	0.00	**	2.80	.30	21	6	6.350	0.00
22	2	342.34	2.60	7.6	2.60	7.6	0.00	**	2.70	.30	22	2	33.700	0.00
23	3	237.22	2.50	10.5	2.50	10.5	0.00	**	2.60	.60	23	3	18.700	0.00
24	4	304.90	1.80	5.9	1.80	5.9	0.00	**	1.90	.60	24	4	12.100	0.00
25	5	286.06	1.60	5.6	1.60	5.6	0.00	**	1.70	.90	25	5	9.750	0.00
26	6	404.89	1.60	4.0	1.60	4.0	0.00	**	1.70	.60	26	6	5.750	0.00
27	3	366.42	2.80	7.6	2.80	7.6	0.00	**	2.90	.30	27	3	14.400	0.00
28	4	254.21	2.70	10.6	2.70	10.6	0.00	**	2.80	.60	28	4	10.000	0.00
29	5	349.87	2.50	7.1	2.50	7.1	0.00	**	2.60	.60	29	5	7.880	0.00
30	6	349.44	2.20	6.3	2.20	6.3	0.00	**	2.30	.90	30	6	7.400	0.00
31	4	336.75	2.60	7.7	2.60	7.7	0.00	**	2.70	.30	31	4	6.630	0.00
32	5	220.67	2.50	11.3	2.50	11.3	0.00	**	2.60	.60	32	5	4.970	0.00
33	6	301.97	1.80	6.0	1.80	6.0	0.00	**	1.90	.60	33	6	4.280	0.00
34	5	356.78	2.70	7.6	2.70	7.6	0.00	**	2.80	.30	34	5	4.010	0.00
35	6	230.43	2.30	10.0	2.30	10.0	0.00	**	2.40	.60	35	6	3.250	0.00
36	6	484.94	3.20	6.6	3.20	6.6	0.00	**	3.30	.30	36	6	3.390	0.00

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

JOB 585 LINE 1 SPREAD 5 EAST 1/2 1/12/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	100.900	0.00	3.00	.30	.1000	.9911

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	210.77	2.00	9.5	2.00	9.5	0.00	**	2.10	1.00	1	1	278.000	0.00
2	2	250.75	2.60	10.4	2.60	10.4	0.00	**	2.70	1.00	2	2	82.200	0.00
3	3	251.96	2.10	8.3	2.10	8.3	0.00	**	2.20	1.00	3	3	33.200	0.00
4	1	378.91	3.40	9.0	3.40	9.0	0.00	**	3.50	1.00	4	1	493.000	0.00
5	2	404.24	3.00	7.4	3.00	7.4	0.00	**	3.10	1.00	5	2	132.000	0.00
6	1	210.67	4.20	19.9	4.20	19.9	0.00	**	4.30	1.00	6	1	272.000	0.00
7	1	275.49	4.40	16.0	4.40	16.0	0.00	**	4.50	1.00	7	1	355.000	0.00
8	2	245.28	3.90	15.9	3.90	15.9	0.00	**	4.00	1.00	8	2	79.400	0.00
9	3	427.98	3.00	7.0	3.00	7.0	0.00	**	3.10	1.00	9	3	55.900	0.00
10	4	259.80	2.20	8.5	2.20	8.5	0.00	**	2.30	1.00	10	4	17.100	0.00
11	1	418.25	4.20	10.0	4.20	10.0	0.00	**	4.30	1.00	11	1	540.000	0.00
12	2	540.60	5.10	9.4	5.10	9.4	0.00	**	5.20	1.00	12	2	173.000	0.00
13	3	423.30	4.30	10.2	4.30	10.2	0.00	**	4.40	1.00	13	3	54.600	0.00
14	4	700.09	3.50	5.0	3.50	5.0	0.00	**	3.60	1.00	14	4	45.500	0.00
15	5	382.87	2.20	5.7	2.20	5.7	0.00	**	2.30	1.00	15	5	14.400	0.00
16	1	166.82	5.20	31.2	5.20	31.2	0.00	**	5.30	.60	16	1	128.000	0.00
17	2	221.21	4.20	19.0	4.20	19.0	0.00	**	4.30	1.00	17	2	71.400	0.00
18	3	360.76	4.60	12.8	4.60	12.8	0.00	**	4.70	1.00	18	3	46.400	0.00
19	4	317.25	4.10	12.9	4.10	12.9	0.00	**	4.20	1.00	19	4	20.500	0.00
20	5	540.18	3.30	6.1	3.30	6.1	0.00	**	3.40	1.00	20	5	20.100	0.00
21	6	316.65	1.70	5.4	1.70	5.4	0.00	**	1.80	1.00	21	6	7.480	0.00
22	1	166.84	4.40	26.4	4.40	26.4	0.00	**	4.50	.60	22	1	129.000	0.00
23	2	144.86	4.40	30.4	4.40	30.4	0.00	**	4.50	.60	23	2	28.000	0.00
24	3	205.98	3.40	16.5	3.40	16.5	0.00	**	3.50	1.00	24	3	26.800	0.00
25	4	310.76	4.00	12.9	4.00	12.9	0.00	**	4.10	1.00	25	4	20.100	0.00
26	5	307.26	3.60	11.7	3.60	11.7	0.00	**	3.70	1.00	26	5	11.400	0.00
27	6	538.64	2.70	5.0	2.70	5.0	0.00	**	2.80	1.00	27	6	12.600	0.00
28	2	119.85	4.70	39.2	4.70	39.2	0.00	**	4.80	.60	28	2	23.100	0.00
29	3	113.06	4.30	38.0	4.30	38.0	0.00	**	4.40	.60	29	3	8.750	0.00
30	4	167.11	3.60	21.5	3.60	21.5	0.00	**	3.70	1.00	30	4	10.850	0.00
31	5	260.20	4.40	16.9	4.40	16.9	0.00	**	4.50	1.00	31	5	9.580	0.00
32	6	263.06	3.60	13.7	3.60	13.7	0.00	**	3.70	1.00	32	6	6.100	0.00
33	3	145.83	5.10	35.0	5.10	35.0	0.00	**	5.20	.60	33	3	11.200	0.00
34	4	134.51	3.80	28.3	3.80	28.3	0.00	**	3.90	.60	34	4	5.230	0.00
35	5	198.68	3.20	16.1	3.20	16.1	0.00	**	3.30	1.00	35	5	7.400	0.00
36	6	305.78	4.20	13.7	4.20	13.7	0.00	**	4.30	1.00	36	6	7.050	0.00
37	4	171.41	5.30	30.9	5.30	30.9	0.00	**	5.40	.60	37	4	6.570	0.00
38	5	148.45	4.70	31.7	4.70	31.7	0.00	**	4.80	.60	38	5	3.270	0.00
39	6	214.51	3.90	18.2	3.90	18.2	0.00	**	4.00	1.00	39	6	4.960	0.00
40	5	253.39	3.80	15.0	3.80	15.0	0.00	**	3.90	.60	40	5	5.630	0.00
41	6	221.08	3.80	17.2	3.80	17.2	0.00	**	3.90	.60	41	6	3.070	0.00
42	6	217.81	2.60	11.9	2.60	11.9	0.00	**	2.70	.60	42	6	3.060	0.00

JOB 585 LINE 2 SP3 W 1/2 12/29/70 — 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.100	0.00	3.00	.30	.1000	.9891

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	124.24	1.50	12.1	1.50	12.1	0.00	**	1.60	2.00	1	1	330.000	0.00
2	2	175.59	2.20	12.5	2.20	12.5	0.00	**	2.30	1.00	2	2	57.900	0.00
3	1	162.69	2.00	12.3	2.00	12.3	0.00	**	2.10	2.00	3	1	430.000	0.00
4	2	225.21	2.70	12.0	2.70	12.0	0.00	**	2.80	1.00	4	2	73.900	0.00
5	3	258.51	3.10	12.0	3.10	12.0	0.00	**	3.20	1.00	5	3	33.800	0.00
6	1	112.18	3.10	27.6	3.10	27.6	0.00	**	3.20	3.00	6	1	440.000	0.00
7	2	156.93	3.70	23.6	3.70	23.6	0.00	**	3.80	2.00	7	2	102.000	0.00
8	3	210.83	4.10	19.4	4.10	19.4	0.00	**	4.20	1.00	8	3	27.300	0.00
9	4	222.84	4.30	19.3	4.30	19.3	0.00	**	4.40	1.00	9	4	14.400	0.00
10	1	132.96	3.20	24.1	3.20	24.1	0.00	**	3.30	3.00	10	1	521.000	0.00
11	2	186.47	4.10	22.0	4.10	22.0	0.00	**	4.20	3.00	11	2	181.100	0.00
12	3	225.88	4.10	18.2	4.10	18.2	0.00	**	4.20	2.00	12	3	58.500	0.00
13	4	284.46	4.20	14.8	4.20	14.8	0.00	**	4.30	1.00	13	4	18.400	0.00
14	5	292.75	4.40	15.0	4.40	15.0	0.00	**	4.50	1.00	14	5	10.800	0.00
15	1	79.10	4.20	53.1	4.20	53.1	0.00	**	4.30	3.00	15	1	307.000	0.00
16	2	122.67	6.00	48.9	6.00	48.9	0.00	**	6.10	3.00	16	2	117.000	0.00
17	3	167.44	5.80	34.6	5.80	34.6	0.00	**	5.90	3.00	17	3	64.000	0.00
18	4	199.76	5.60	28.0	5.60	28.0	0.00	**	5.70	2.00	18	4	25.500	0.00
19	5	262.24	5.10	19.4	5.10	19.4	0.00	**	5.20	1.00	19	5	9.610	0.00
20	6	262.28	5.40	20.6	5.40	20.6	0.00	**	5.50	1.00	20	6	5.990	0.00
21	2	97.88	6.40	65.4	6.40	65.4	0.00	**	6.50	3.00	21	2	93.000	0.00
22	3	179.29	6.00	33.5	6.00	33.5	0.00	**	6.10	3.00	22	3	68.400	0.00
23	4	231.88	5.60	24.2	5.60	24.2	0.00	**	5.70	3.00	23	4	44.400	0.00
24	5	260.85	5.20	19.9	5.20	19.9	0.00	**	5.30	2.00	24	5	19.100	0.00
25	6	341.01	4.70	13.8	4.70	13.8	0.00	**	4.80	1.00	25	6	7.840	0.00
26	3	135.00	5.60	41.5	5.60	41.5	0.00	**	5.70	3.00	26	3	51.700	0.00
27	4	244.07	5.00	20.5	5.00	20.5	0.00	**	5.10	3.00	27	4	47.000	0.00
28	5	299.98	4.40	14.7	4.40	14.7	0.00	**	4.50	3.00	28	5	33.200	0.00
29	6	331.15	4.20	12.7	4.20	12.7	0.00	**	4.30	2.00	29	6	15.300	0.00

JOB 585 EXT LINE 2 SP3 E 1/2 12/29/70 — 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.500	0.00	3.00	.30	.1000	.9852

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	162.80	2.00	12.3	2.00	12.3	0.00	**	2.10	3.00	1	1	648.000	0.00
2	2	161.27	3.60	22.3	3.60	22.3	0.00	**	3.70	3.00	2	2	158.000	0.00
3	1	122.25	1.50	12.3	1.50	12.3	0.00	**	1.60	3.00	3	1	489.000	0.00
4	2	213.70	2.80	13.1	2.80	13.1	0.00	**	2.90	3.00	4	2	211.000	0.00
5	3	203.58	4.10	20.1	4.10	20.1	0.00	**	4.20	3.00	5	3	79.400	0.00
6	1	137.86	1.40	10.2	1.40	10.2	0.00	**	1.50	2.00	6	1	368.000	0.00
7	2	184.26	2.20	11.9	2.20	11.9	0.00	**	2.30	3.00	7	2	183.000	0.00
8	3	264.10	3.10	11.7	3.10	11.7	0.00	**	3.20	3.00	8	3	104.000	0.00
9	4	227.91	4.20	18.4	4.20	18.4	0.00	**	4.30	3.00	9	4	44.400	0.00
10	1	171.65	1.00	5.8	1.00	5.8	0.00	**	1.10	1.00	10	1	230.000	0.00
11	2	199.70	1.60	8.0	1.60	8.0	0.00	**	1.70	2.00	11	2	133.000	0.00
12	3	249.95	2.40	9.6	2.40	9.6	0.00	**	2.50	3.00	12	3	99.100	0.00
13	4	338.43	3.00	8.9	3.00	8.9	0.00	**	3.10	3.00	13	4	66.700	0.00
14	5	259.10	4.00	15.4	4.00	15.4	0.00	**	4.10	3.00	14	5	28.900	0.00
15	1	130.86	1.20	9.2	1.20	9.2	0.00	**	1.30	1.00	15	1	175.000	0.00
16	2	200.60	1.60	8.0	1.60	8.0	0.00	**	1.70	1.00	16	2	66.800	0.00
17	3	209.90	2.00	9.5	2.00	9.5	0.00	**	2.10	2.00	17	3	55.700	0.00
18	4	254.98	2.70	10.6	2.70	10.6	0.00	**	2.80	3.00	18	4	50.400	0.00
19	5	342.74	3.00	8.8	3.00	8.8	0.00	**	3.10	3.00	19	5	38.600	0.00
20	6	278.65	3.60	12.9	3.60	12.9	0.00	**	3.70	3.00	20	6	19.500	0.00
21	2	129.94	1.30	10.0	1.30	10.0	0.00	**	1.40	1.00	21	2	43.400	0.00
22	3	171.51	1.80	10.5	1.80	10.5	0.00	**	1.90	1.00	22	3	22.800	0.00
23	4	177.87	2.00	11.2	2.00	11.2	0.00	**	2.10	2.00	23	4	23.600	0.00
24	5	214.97	2.20	10.2	2.20	10.2	0.00	**	2.30	3.00	24	5	24.400	0.00
25	6	283.59	2.80	9.9	2.80	9.9	0.00	**	2.90	3.00	25	6	20.000	0.00
26	3	166.24	1.80	10.8	1.80	10.8	0.00	**	1.90	1.00	26	3	22.100	0.00
27	4	221.37	1.90	8.6	1.90	8.6	0.00	**	2.00	1.00	27	4	14.700	0.00
28	5	236.95	1.80	7.6	1.80	7.6	0.00	**	1.90	2.00	28	5	18.000	0.00
29	6	272.94	2.00	7.3	2.00	7.3	0.00	**	2.10	3.00	29	6	19.400	0.00
30	4	128.53	1.60	12.4	1.60	12.4	0.00	**	1.70	1.00	30	4	8.560	0.00
31	5	165.44	1.70	10.3	1.70	10.3	0.00	**	1.80	1.00	31	5	6.290	0.00
32	6	174.82	1.80	10.3	1.80	10.3	0.00	**	1.90	2.00	32	6	8.300	0.00
33	5	300.13	1.80	6.0	1.80	6.0	0.00	**	1.90	1.00	33	5	11.400	0.00
34	6	376.64	1.70	4.5	1.70	4.5	0.00	**	1.80	1.00	34	6	8.950	0.00
35	6	296.58	2.10	7.1	2.10	7.1	0.00	**	2.20	1.00	35	6	7.020	0.00

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS

JOB 585 EXT LINE 5 SP1 E 1/2 12/30/70 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.300	0.00	3.00	.30	.1000	.9872

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	220.90	5.80	26.3	5.80	26.3	0.00	**	5.90	1.00	1	1	282.000	0.00
2	2	243.54	6.80	27.9	6.80	27.9	0.00	**	6.90	2.00	2	2	154.000	0.00
3	1	270.36	6.00	22.2	6.00	22.2	0.00	**	6.10	2.00	3	1	689.000	0.00
4	2	270.27	4.30	15.9	4.30	15.9	0.00	**	4.40	2.00	4	2	175.000	0.00
5	3	310.09	5.10	16.4	5.10	16.4	0.00	**	5.20	2.00	5	3	79.700	0.00
6	1	408.91	5.00	12.2	5.00	12.2	0.00	**	5.10	2.00	6	1	1052.000	0.00
7	2	411.64	5.30	12.9	5.30	12.9	0.00	**	5.40	2.00	7	2	264.000	0.00
8	3	416.58	4.10	9.8	4.10	9.8	0.00	**	4.20	2.00	8	3	108.100	0.00
9	4	436.90	5.00	11.4	5.00	11.4	0.00	**	5.10	2.00	9	4	56.200	0.00
10	1	257.72	3.60	14.0	3.60	14.0	0.00	**	3.70	2.00	10	1	672.000	0.00
11	2	388.33	4.90	12.6	4.90	12.6	0.00	**	5.00	2.00	11	2	250.000	0.00
12	3	411.23	4.80	11.7	4.80	11.7	0.00	**	4.90	2.00	12	3	106.000	0.00
13	4	385.02	3.80	9.9	3.80	9.9	0.00	**	3.90	2.00	13	4	50.100	0.00
14	5	377.12	4.70	12.5	4.70	12.5	0.00	**	4.80	2.00	14	5	27.800	0.00
15	1	176.48	2.30	13.0	2.30	13.0	0.00	**	2.40	2.00	15	1	466.000	0.00
16	2	275.06	3.20	11.6	3.20	11.6	0.00	**	3.30	2.00	16	2	180.000	0.00
19	3	422.27	3.70	8.8	3.70	8.8	0.00	**	3.80	2.00	19	3	110.000	0.00
18	4	447.27	3.80	8.5	3.80	8.5	0.00	**	3.90	2.00	18	4	58.200	0.00
19	5	419.33	3.40	8.1	3.40	8.1	0.00	**	3.50	2.00	19	5	31.300	0.00
20	6	414.96	4.80	11.6	4.80	11.6	0.00	**	4.90	2.00	20	6	19.100	0.00
21	1	138.41	1.60	11.6	1.60	11.6	0.00	**	1.70	2.00	21	1	368.000	0.00
22	2	244.60	2.60	10.6	2.60	10.6	0.00	**	2.70	2.00	22	2	161.000	0.00
23	3	326.64	3.20	9.8	3.20	9.8	0.00	**	3.30	2.00	23	3	85.500	0.00
24	4	463.16	3.40	7.3	3.40	7.3	0.00	**	3.50	2.00	24	4	60.500	0.00
25	5	487.73	3.70	7.6	3.70	7.6	0.00	**	3.80	2.00	25	5	36.300	0.00
26	6	446.27	3.00	6.7	3.00	6.7	0.00	**	3.10	2.00	26	6	20.900	0.00
27	2	204.50	2.30	11.2	2.30	11.2	0.00	**	2.40	2.00	27	2	135.000	0.00
28	3	328.29	3.00	9.1	3.00	9.1	0.00	**	3.10	2.00	28	3	86.100	0.00
29	4	414.12	3.20	7.7	3.20	7.7	0.00	**	3.30	2.00	29	4	54.200	0.00
30	5	560.28	3.70	6.6	3.70	6.6	0.00	**	3.80	2.00	30	5	41.700	0.00
31	6	570.73	3.50	6.1	3.50	6.1	0.00	**	3.60	2.00	31	6	26.600	0.00
32	3	282.79	2.40	8.5	2.40	8.5	0.00	**	2.50	2.00	32	3	74.600	0.00
33	4	426.56	2.70	6.3	2.70	6.3	0.00	**	2.80	2.00	33	4	56.100	0.00
34	5	515.46	2.80	5.4	2.80	5.4	0.00	**	2.90	2.00	34	5	38.700	0.00
35	6	665.99	3.30	5.0	3.30	5.0	0.00	**	3.40	2.00	35	6	31.100	0.00
36	4	252.73	2.20	8.7	2.20	8.7	0.00	**	2.30	2.00	36	4	33.400	0.00
37	5	369.20	2.50	6.8	2.50	6.8	0.00	**	2.60	2.00	37	5	27.800	0.00
38	6	433.90	2.60	6.0	2.60	6.0	0.00	**	2.70	2.00	38	6	20.400	0.00
39	5	346.96	2.60	7.5	2.60	7.5	0.00	**	2.70	2.00	39	5	26.100	0.00
40	6	489.92	3.20	6.5	3.20	6.5	0.00	**	3.30	2.00	40	6	22.900	0.00
41	6	333.93	2.60	7.8	2.60	7.8	0.00	**	2.70	2.00	41	6	15.700	0.00

BUSINESS FORMS PRINTING COMPANY ENGINEERED FOR HIGH SPEED PRINTERS BLUE BAR

JOB 585 EXT LINE 5 SP1 W 1/2 12/30/70 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 2

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.200	0.00	3.00	.30	.1000	.9881

COMPUTED DATA

POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE	
1	1	214.06	5.80	27.1	5.80	27.1	0.00	**
2	2	267.71	4.40	16.4	4.40	16.4	0.00	**
3	3	415.85	4.20	10.1	4.20	10.1	0.00	**
4	4	385.40	3.80	9.9	3.80	9.9	0.00	**
5	1	184.09	5.70	31.0	5.70	31.0	0.00	**
6	2	237.45	6.80	28.6	6.80	28.6	0.00	**
7	3	306.11	5.10	16.7	5.10	16.7	0.00	**
8	4	433.11	5.30	12.2	5.30	12.2	0.00	**
9	5	376.50	4.80	12.7	4.80	12.7	0.00	**
10	1	125.88	7.50	59.6	7.50	59.6	0.00	**
11	2	177.19	7.70	43.5	7.70	43.5	0.00	**
12	3	270.62	7.40	27.3	7.40	27.3	0.00	**
13	4	352.72	6.00	17.0	6.00	17.0	0.00	**
14	5	471.99	6.10	12.9	6.10	12.9	0.00	**
15	6	396.25	5.50	13.9	5.50	13.9	0.00	**
16	1	86.92	7.60	87.4	7.60	87.4	0.00	**
17	2	186.61	5.80	31.1	5.80	31.1	0.00	**
18	3	318.61	5.50	17.3	5.50	17.3	0.00	**
19	4	501.01	5.30	10.6	5.30	10.6	0.00	**
20	5	650.03	4.20	6.5	4.20	6.5	0.00	**
21	6	817.33	4.20	5.1	4.20	5.1	0.00	**
22	2	74.55	5.00	67.1	5.00	67.1	0.00	**
23	3	128.22	3.60	28.1	3.60	28.1	0.00	**
24	4	200.39	3.60	18.0	3.60	18.0	0.00	**
25	5	298.00	3.50	11.7	3.50	11.7	0.00	**
26	6	366.20	2.60	7.1	2.60	7.1	0.00	**
27	3	205.43	5.80	28.2	5.80	28.2	0.00	**
28	4	317.55	4.00	12.6	4.00	12.6	0.00	**
29	5	469.39	4.00	8.5	4.00	8.5	0.00	**
30	6	667.73	3.80	5.7	3.80	5.7	0.00	**
31	4	387.76	5.70	14.7	5.70	14.7	0.00	**
32	5	562.99	4.60	8.2	4.60	8.2	0.00	**
33	6	822.99	5.20	6.3	5.20	6.3	0.00	**
34	5	414.58	6.20	15.0	6.20	15.0	0.00	**
35	6	597.35	4.30	7.2	4.30	7.2	0.00	**
36	6	457.52	6.00	13.1	6.00	13.1	0.00	**

FIELD DATA

PFE	CUR	PT.	N	AC1	AC2
5.90	2.00	1	1	546.000	0.00
4.50	2.00	2	2	173.000	0.00
4.30	2.00	3	3	107.700	0.00
3.90	2.00	4	4	50.100	0.00
5.80	2.00	5	1	470.000	0.00
6.90	2.00	6	2	150.000	0.00
5.20	2.00	7	3	78.600	0.00
5.40	2.00	8	4	55.500	0.00
4.90	2.00	9	5	27.700	0.00
7.60	2.00	10	1	316.000	0.00
7.80	2.00	11	2	111.000	0.00
7.50	2.00	12	3	68.000	0.00
6.10	2.00	13	4	44.900	0.00
6.20	2.00	14	5	34.300	0.00
5.60	2.00	15	6	18.100	0.00
7.70	2.00	16	1	218.000	0.00
5.90	2.00	17	2	119.000	0.00
5.60	2.00	18	3	81.500	0.00
5.40	2.00	19	4	64.200	0.00
4.30	2.00	20	5	48.100	0.00
4.30	2.00	21	6	37.800	0.00
5.10	2.00	22	2	47.900	0.00
3.70	2.00	23	3	33.400	0.00
3.70	2.00	24	4	26.100	0.00
3.60	2.00	25	5	22.200	0.00
2.70	2.00	26	6	17.200	0.00
5.90	2.00	27	3	52.400	0.00
4.10	2.00	28	4	41.200	0.00
4.10	2.00	29	5	34.800	0.00
3.90	2.00	30	6	31.000	0.00
5.80	2.00	31	4	49.500	0.00
4.70	2.00	32	5	41.500	0.00
5.30	2.00	33	6	37.700	0.00
6.30	2.00	34	5	30.100	0.00
4.40	2.00	35	6	27.600	0.00
6.10	2.00	36	6	20.800	0.00

JOB 585 EXT LINE 5 SP2 W 1/2 12/30/70 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.000	0.00	3.00	.30	.1000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	59.49	4.50	75.6	4.50	75.6	0.00	**	4.60	3.00	1	1	230.000	0.00
2	1	193.64	2.80	14.5	2.80	14.5	0.00	**	2.90	3.00	2	1	761.000	0.00
3	2	196.86	5.20	26.4	5.20	26.4	0.00	**	5.30	3.00	3	2	189.000	0.00
4	1	128.89	2.40	18.6	2.40	18.6	0.00	**	2.50	2.00	4	1	339.000	0.00
5	2	443.87	4.50	10.1	4.50	10.1	0.00	**	4.60	2.00	5	2	286.000	0.00
6	3	395.42	6.50	16.4	6.50	16.4	0.00	**	6.60	2.00	6	3	100.000	0.00
7	1	198.35	3.00	15.1	3.00	15.1	0.00	**	3.10	3.00	7	1	778.000	0.00
8	2	155.68	2.10	13.5	2.10	13.5	0.00	**	2.20	3.00	8	2	154.000	0.00
9	3	471.09	4.00	8.5	4.00	8.5	0.00	**	4.10	2.00	9	3	122.000	0.00
10	4	409.31	6.00	14.7	6.00	14.7	0.00	**	6.10	2.00	10	4	52.000	0.00
11	1	303.12	4.40	14.5	4.40	14.5	0.00	**	4.50	2.00	11	1	782.000	0.00
12	2	275.02	2.50	9.1	2.50	9.1	0.00	**	2.60	3.00	12	2	271.000	0.00
13	3	190.25	1.80	9.5	1.80	9.5	0.00	**	1.90	3.00	13	3	75.500	0.00
14	4	541.63	4.20	7.8	4.20	7.8	0.00	**	4.30	2.00	14	4	70.000	0.00
15	5	448.41	6.50	14.5	6.50	14.5	0.00	**	6.60	2.00	15	5	32.400	0.00
16	1	270.55	3.80	14.0	3.80	14.0	0.00	**	3.90	2.00	16	1	702.000	0.00
17	2	556.51	3.80	6.8	3.80	6.8	0.00	**	3.90	2.00	17	2	361.000	0.00
18	3	410.21	2.30	5.6	2.30	5.6	0.00	**	2.40	2.00	18	3	108.000	0.00
19	4	255.01	1.60	6.3	1.60	6.3	0.00	**	1.70	2.00	19	4	33.800	0.00
20	5	672.98	4.20	6.2	4.20	6.2	0.00	**	4.30	2.00	20	5	49.700	0.00
21	6	524.54	6.00	11.4	6.00	11.4	0.00	**	6.10	2.00	21	6	23.800	0.00
22	1	174.68	3.40	19.5	3.40	19.5	0.00	**	3.50	2.00	22	1	455.000	0.00
23	2	288.55	3.90	13.5	3.90	13.5	0.00	**	4.00	2.00	23	2	187.000	0.00
24	3	489.92	3.90	8.0	3.90	8.0	0.00	**	4.00	2.00	24	3	127.000	0.00
25	4	325.19	2.80	8.6	2.80	8.6	0.00	**	2.90	2.00	25	4	42.600	0.00
26	5	188.96	2.40	12.7	2.40	12.7	0.00	**	2.50	2.00	26	5	14.200	0.00
27	6	472.85	4.80	10.2	4.80	10.2	0.00	**	4.90	2.00	27	6	21.700	0.00
28	2	152.83	6.20	40.6	6.20	40.6	0.00	**	6.30	2.00	28	2	96.900	0.00
29	3	240.59	6.40	26.6	6.40	26.6	0.00	**	6.50	2.00	29	3	60.900	0.00
30	4	383.92	6.60	17.2	6.60	17.2	0.00	**	6.70	2.00	30	4	48.500	0.00
31	5	246.74	4.90	19.9	4.90	19.9	0.00	**	5.00	2.00	31	5	18.100	0.00
32	6	140.91	4.10	29.1	4.10	29.1	0.00	**	4.20	2.00	32	6	6.510	0.00
33	3	196.82	5.60	28.5	5.60	28.5	0.00	**	5.70	2.00	33	3	50.200	0.00
34	4	300.68	6.00	20.0	6.00	20.0	0.00	**	6.10	2.00	34	4	38.200	0.00
35	5	455.94	6.00	13.2	6.00	13.2	0.00	**	6.10	2.00	35	5	33.100	0.00
36	6	307.94	4.30	14.0	4.30	14.0	0.00	**	4.40	2.00	36	6	14.200	0.00
37	4	157.65	5.10	32.4	5.10	32.4	0.00	**	5.20	2.00	37	4	20.200	0.00
38	5	242.20	5.30	21.9	5.30	21.9	0.00	**	5.40	2.00	38	5	17.700	0.00
39	6	362.28	5.60	15.5	5.60	15.5	0.00	**	5.70	2.00	39	6	16.500	0.00
40	5	135.23	4.80	35.5	4.80	35.5	0.00	**	4.90	2.00	40	5	9.930	0.00
41	6	201.53	4.90	24.3	4.90	24.3	0.00	**	5.00	2.00	41	6	9.240	0.00
42	6	78.23	2.80	35.8	2.71	34.6	.09	**	2.90	2.00	42	6	3.660	0.00

JOB 585 EXT LINE 5 SP3 W 1/2 1/5/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.100	0.00	3.00	.30	.1000	.9891

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	74.66	5.60	75.0	5.60	75.0	0.00	**	5.70	1.00	1	1	95.300	0.00
2	2	118.42	5.30	44.8	5.30	44.8	0.00	**	5.40	1.00	2	2	37.900	0.00
3	3	94.34	5.10	54.1	5.10	54.1	0.00	**	5.20	1.00	3	3	12.100	0.00
4	4	89.24	4.60	51.5	4.60	51.5	0.00	**	4.70	1.00	4	4	5.750	0.00
5	1	94.25	5.00	53.0	5.00	53.0	0.00	**	5.10	1.00	5	1	121.000	0.00
6	2	52.79	5.90	111.8	5.90	111.8	0.00	**	6.00	1.00	6	2	16.800	0.00
7	3	48.66	5.80	119.2	5.80	119.2	0.00	**	5.90	1.00	7	3	6.200	0.00
8	1	69.74	2.40	34.4	2.40	34.4	0.00	**	2.50	1.00	8	1	91.800	0.00
9	2	61.49	3.10	50.4	3.10	50.4	0.00	**	3.20	1.00	9	2	20.100	0.00
10	1	125.43	3.10	24.7	3.10	24.7	0.00	**	3.20	1.00	10	1	164.000	0.00
11	1	66.83	1.80	26.9	1.80	26.9	0.00	**	1.90	1.00	11	1	88.500	0.00
12	2	50.75	1.80	35.5	1.80	35.5	0.00	**	1.90	1.00	12	2	16.800	0.00
13	3	29.06	2.80	96.4	2.80	96.4	0.00	**	2.90	1.00	13	3	3.810	0.00
14	4	26.93	3.70	137.4	3.54	131.5	.16	**	3.80	1.00	14	4	1.750	0.00
15	5	53.00	3.10	58.5	3.00	56.5	.10	**	3.20	1.00	15	5	1.980	0.00
16	1	58.99	1.30	22.0	1.30	22.0	0.00	**	1.40	1.00	16	1	78.500	0.00
17	2	62.59	1.90	30.4	1.90	30.4	0.00	**	2.00	1.00	17	2	20.700	0.00
18	3	47.63	1.60	33.6	1.60	33.6	0.00	**	1.70	1.00	18	3	6.320	0.00
19	4	28.96	2.20	76.0	2.06	71.0	.14	**	2.30	1.00	19	4	1.910	0.00
20	5	28.30	3.80	134.3	3.55	125.4	.25	**	3.90	1.00	20	5	1.050	0.00
21	6	55.52	2.80	50.4	2.65	47.7	.15	**	2.90	1.00	21	6	1.300	0.00
22	2	92.25	1.60	17.3	1.60	17.3	0.00	**	1.70	1.00	22	2	30.600	0.00
23	3	88.44	1.90	21.5	1.90	21.5	0.00	**	2.00	1.00	23	3	11.700	0.00
24	4	68.72	1.80	26.2	1.80	26.2	0.00	**	1.90	1.00	24	4	4.550	0.00
25	5	44.85	2.20	49.1	2.07	46.1	.13	**	2.30	1.00	25	5	1.690	0.00
26	6	42.44	3.60	84.8	3.38	79.6	.22	**	3.70	1.00	26	6	.986	0.00
27	3	105.73	1.80	17.0	1.80	17.0	0.00	**	1.90	1.00	27	3	14.000	0.00
28	4	95.19	2.00	21.0	2.00	21.0	0.00	**	2.10	1.00	28	4	6.290	0.00
29	5	73.48	1.80	24.5	1.80	24.5	0.00	**	1.90	1.00	29	5	2.780	0.00
30	6	47.31	2.60	55.0	2.41	50.9	.19	**	2.70	1.00	30	6	1.110	0.00
31	4	114.49	1.80	15.7	1.80	15.7	0.00	**	1.90	1.00	31	4	7.580	0.00
32	5	96.85	2.20	22.7	2.20	22.7	0.00	**	2.30	1.00	32	5	3.650	0.00
33	6	77.35	2.30	29.7	2.21	28.5	.09	**	2.40	1.00	33	6	1.820	0.00
34	5	174.60	2.20	12.6	2.20	12.6	0.00	**	2.30	1.00	34	5	6.580	0.00
35	6	151.40	1.80	11.9	1.80	11.9	0.00	**	1.90	1.00	35	6	3.580	0.00
36	6	137.27	2.30	16.8	2.30	16.8	0.00	**	2.40	1.00	36	6	3.230	0.00

JOB 585 EXT LINE 6 SP1 E 1/2 1/6/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.100	0.00	3.00	.30	.1000	.9891

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	128.38	1.20	9.3	1.20	9.3	0.00	**	1.30	2.00	1	1	342.000	0.00
2	1	211.79	1.60	7.6	1.60	7.6	0.00	**	1.70	2.00	2	1	562.000	0.00
3	2	97.83	1.60	16.4	1.60	16.4	0.00	**	1.70	2.00	3	2	64.900	0.00
4	1	244.23	1.30	5.3	1.30	5.3	0.00	**	1.40	2.00	4	1	650.000	0.00
5	2	320.20	1.80	5.6	1.80	5.6	0.00	**	1.90	2.00	5	2	212.000	0.00
6	3	125.36	1.80	14.4	1.80	14.4	0.00	**	1.90	2.00	6	3	33.200	0.00
7	1	143.06	1.50	10.5	1.50	10.5	0.00	**	1.60	2.00	7	1	380.000	0.00
8	2	298.13	2.00	6.7	2.00	6.7	0.00	**	2.10	2.00	8	2	197.000	0.00
9	3	378.31	2.30	6.1	2.30	6.1	0.00	**	2.40	2.00	9	3	99.700	0.00
10	4	147.23	2.30	15.6	2.30	15.6	0.00	**	2.40	2.00	10	4	19.400	0.00
11	1	134.16	1.60	11.9	1.60	11.9	0.00	**	1.70	2.00	11	1	356.000	0.00
12	2	204.70	2.20	10.7	2.20	10.7	0.00	**	2.30	2.00	12	2	135.000	0.00
13	3	416.03	2.90	7.0	2.90	7.0	0.00	**	3.00	2.00	13	3	109.000	0.00
14	4	557.25	2.90	5.2	2.90	5.2	0.00	**	3.00	2.00	14	4	73.000	0.00
15	5	228.88	3.10	13.5	3.10	13.5	0.00	**	3.20	2.00	15	5	17.100	0.00
16	1	109.72	2.00	18.2	2.00	18.2	0.00	**	2.10	1.00	16	1	145.000	0.00
17	2	141.46	2.30	16.3	2.30	16.3	0.00	**	2.40	2.00	17	2	93.200	0.00
18	3	208.96	2.80	13.4	2.80	13.4	0.00	**	2.90	2.00	18	3	54.800	0.00
19	4	446.76	3.30	7.4	3.30	7.4	0.00	**	3.40	2.00	19	4	58.300	0.00
20	5	644.43	3.20	5.0	3.20	5.0	0.00	**	3.30	2.00	20	5	48.100	0.00
21	6	272.50	3.30	12.1	3.30	12.1	0.00	**	3.40	2.00	21	6	12.700	0.00
22	1	156.18	2.20	14.1	2.20	14.1	0.00	**	2.30	1.00	22	1	206.000	0.00
23	2	128.41	2.30	17.9	2.30	17.9	0.00	**	2.40	1.00	23	2	42.300	0.00
24	3	152.46	2.50	16.4	2.50	16.4	0.00	**	2.60	2.00	24	3	40.100	0.00
25	4	213.95	3.00	14.0	3.00	14.0	0.00	**	3.10	2.00	25	4	28.000	0.00
26	5	464.00	3.00	6.5	3.00	6.5	0.00	**	3.10	2.00	26	5	34.700	0.00
27	6	686.77	3.00	4.4	3.00	4.4	0.00	**	3.10	2.00	27	6	32.100	0.00
28	2	191.87	2.80	14.6	2.80	14.6	0.00	**	2.90	1.00	28	2	62.900	0.00
29	3	142.33	2.60	18.3	2.60	18.3	0.00	**	2.70	1.00	29	3	18.700	0.00
30	4	167.34	3.00	17.9	3.00	17.9	0.00	**	3.10	2.00	30	4	21.900	0.00
31	5	237.37	3.30	13.9	3.30	13.9	0.00	**	3.40	2.00	31	5	17.700	0.00
32	6	520.26	3.50	6.7	3.50	6.7	0.00	**	3.60	2.00	32	6	24.200	0.00
33	3	172.35	2.80	16.2	2.80	16.2	0.00	**	2.90	1.00	33	3	22.600	0.00
34	4	126.90	2.80	22.1	2.80	22.1	0.00	**	2.90	1.00	34	4	8.320	0.00
35	5	143.61	3.00	20.9	3.00	20.9	0.00	**	3.10	2.00	35	5	10.740	0.00
36	6	195.02	3.40	17.4	3.40	17.4	0.00	**	3.50	2.00	36	6	9.080	0.00
37	4	188.33	3.20	17.0	3.20	17.0	0.00	**	3.30	1.00	37	4	12.300	0.00
38	5	132.11	3.00	22.7	3.00	22.7	0.00	**	3.10	1.00	38	5	4.940	0.00
39	6	149.39	2.60	17.4	2.60	17.4	0.00	**	2.70	2.00	39	6	7.010	0.00
40	5	178.71	3.50	19.6	3.50	19.6	0.00	**	3.60	1.00	40	5	6.650	0.00
41	6	121.84	4.00	32.8	4.00	32.8	0.00	**	4.10	1.00	41	6	2.820	0.00
42	6	256.08	3.60	14.1	3.60	14.1	0.00	**	3.70	1.00	42	6	5.950	0.00

JOB 585 EXT LINE 6 SP 2 E 1/2 1/7/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.000	0.00	3.00	.30	.1000	.9901

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	132.03	1.60	12.1	1.60	12.1	0.00	**	1.70	1.00	1	1	175.000	0.00
2	2	151.18	2.00	13.2	2.00	13.2	0.00	**	2.10	1.00	2	2	49.900	0.00
3	3	165.93	2.50	15.1	2.50	15.1	0.00	**	2.60	1.00	3	3	21.800	0.00
4	4	167.94	2.80	16.7	2.80	16.7	0.00	**	2.90	1.00	4	4	11.000	0.00
5	5	239.57	2.80	11.7	2.80	11.7	0.00	**	2.90	.60	5	5	5.380	0.00
6	1	108.97	1.20	11.0	1.20	11.0	0.00	**	1.30	1.00	6	1	145.000	0.00
7	2	140.93	1.60	11.4	1.60	11.4	0.00	**	1.70	1.00	7	2	46.700	0.00
8	3	154.06	2.20	14.3	2.20	14.3	0.00	**	2.30	1.00	8	3	20.300	0.00
9	4	224.64	2.20	9.8	2.20	9.8	0.00	**	2.30	.60	9	4	8.880	0.00
10	1	89.82	.80	8.9	.80	8.9	0.00	**	.90	1.00	10	1	120.000	0.00
11	2	113.85	1.40	12.3	1.40	12.3	0.00	**	1.50	1.00	11	2	37.800	0.00
12	3	183.40	1.50	8.2	1.50	8.2	0.00	**	1.60	.60	12	3	14.600	0.00
13	1	70.73	.80	11.3	.80	11.3	0.00	**	.90	1.00	13	1	94.500	0.00
14	2	124.50	1.00	8.0	1.00	8.0	0.00	**	1.10	.60	14	2	24.900	0.00
15	1	93.78	.50	5.3	.50	5.3	0.00	**	.60	.60	15	1	75.400	0.00
16	1	66.93	.70	10.5	.70	10.5	0.00	**	.80	1.00	16	1	89.500	0.00
17	2	105.09	.80	7.6	.80	7.6	0.00	**	.90	1.00	17	2	35.100	0.00
18	3	134.52	1.20	8.9	1.20	8.9	0.00	**	1.30	1.00	18	3	17.900	0.00
19	4	197.12	2.10	10.7	2.10	10.7	0.00	**	2.20	1.00	19	4	13.000	0.00
20	5	227.28	2.40	10.6	2.40	10.6	0.00	**	2.50	1.00	20	5	8.540	0.00
21	6	244.66	2.50	10.2	2.50	10.2	0.00	**	2.60	1.00	21	6	5.740	0.00
22	1	49.10	.70	14.3	.70	14.3	0.00	**	.80	.60	22	1	39.400	0.00
23	2	60.48	.80	13.2	.80	13.2	0.00	**	.90	1.00	23	2	20.200	0.00
24	3	93.75	1.00	10.7	1.00	10.7	0.00	**	1.10	1.00	24	3	12.500	0.00
25	4	120.26	1.60	13.3	1.60	13.3	0.00	**	1.70	1.00	25	4	7.970	0.00
26	5	170.53	2.20	12.9	2.20	12.9	0.00	**	2.30	1.00	26	5	6.420	0.00
27	6	202.23	2.60	12.9	2.60	12.9	0.00	**	2.70	1.00	27	6	4.740	0.00
28	2	130.61	.70	5.4	.70	5.4	0.00	**	.80	.60	28	2	26.200	0.00
29	3	137.86	.90	6.5	.90	6.5	0.00	**	1.00	1.00	29	3	18.400	0.00
30	4	199.50	1.00	5.0	1.00	5.0	0.00	**	1.10	1.00	30	4	13.300	0.00
31	5	244.95	2.00	8.2	2.00	8.2	0.00	**	2.10	1.00	31	5	9.240	0.00
32	6	345.18	2.10	6.1	2.10	6.1	0.00	**	2.20	1.00	32	6	8.130	0.00
33	3	156.10	.90	5.8	.90	5.8	0.00	**	1.00	.60	33	3	12.500	0.00
34	4	275.54	1.20	4.4	1.20	4.4	0.00	**	1.30	.60	34	4	11.000	0.00
35	5	400.10	1.50	3.7	1.50	3.7	0.00	**	1.60	.60	35	5	9.100	0.00
36	6	512.32	2.10	.1	2.10	4.1	0.00	**	2.20	.60	36	6	7.240	0.00
37	4	121.00	1.00	8.3	1.00	8.3	0.00	**	1.10	.60	37	4	4.840	0.00
38	5	121.37	1.30	10.7	1.30	10.7	0.00	**	1.40	1.00	38	5	4.610	0.00
39	6	170.52	1.50	8.8	1.50	8.8	0.00	**	1.60	1.00	39	6	4.040	0.00

JOB 585 LINE 7 SPREAD 1 W +E 1/2 1/12/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	100.700	0.00	3.00	.30	.1000	.9930

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	675.75	2.20	3.3	2.20	3.3	0.00	**	2.30	.90	1	1	799.000	0.00
2	2	1182.15	2.80	2.4	2.80	2.4	0.00	**	2.90	1.00	2	2	386.000	0.00
3	3	352.71	3.40	9.6	3.40	9.6	0.00	**	3.50	1.00	3	3	45.800	0.00
4	4	488.84	3.20	6.5	3.20	6.5	0.00	**	3.30	2.00	4	4	63.600	0.00
5	1	674.96	2.40	3.6	2.40	3.6	0.00	**	2.50	1.00	5	1	885.000	0.00
6	2	206.10	3.10	15.0	3.10	15.0	0.00	**	3.20	1.00	6	2	67.100	0.00
7	3	284.54	2.70	9.5	2.70	9.5	0.00	**	2.80	2.00	7	3	74.400	0.00
8	1	78.86	2.70	34.2	2.70	34.2	0.00	**	2.80	1.00	8	1	103.100	0.00
9	2	114.29	2.30	20.1	2.30	20.1	0.00	**	2.40	2.00	9	2	75.000	0.00
10	1	103.18	3.00	29.1	3.00	29.1	0.00	**	3.10	2.00	10	1	269.000	0.00
11	1	106.07	3.20	30.2	3.20	30.2	0.00	**	3.30	1.00	11	1	138.000	0.00
12	2	115.43	2.50	21.7	2.50	21.7	0.00	**	2.60	1.00	12	2	37.800	0.00
13	3	287.12	2.80	9.8	2.80	9.8	0.00	**	2.90	1.00	13	3	37.500	0.00
14	4	495.37	3.60	7.3	3.60	7.3	0.00	**	3.70	1.00	14	4	32.100	0.00
15	1	53.32	1.40	26.3	1.40	26.3	0.00	**	1.50	1.00	15	1	70.600	0.00
16	2	75.03	2.80	37.3	2.80	37.3	0.00	**	2.90	1.00	16	2	24.500	0.00
17	3	72.16	2.20	30.5	2.20	30.5	0.00	**	2.30	1.00	17	3	9.480	0.00
18	4	169.64	2.60	15.3	2.60	15.3	0.00	**	2.70	1.00	18	4	11.100	0.00
19	5	295.63	3.10	10.5	3.10	10.5	0.00	**	3.20	1.00	19	5	11.000	0.00
20	1	61.68	1.00	16.2	1.00	16.2	0.00	**	1.10	2.00	20	1	164.000	0.00
21	2	61.72	1.80	29.2	1.80	29.2	0.00	**	1.90	2.00	21	2	40.700	0.00
22	3	93.68	3.10	33.1	3.10	33.1	0.00	**	3.20	1.00	22	3	12.200	0.00
23	4	89.73	2.80	31.2	2.80	31.2	0.00	**	2.90	1.00	23	4	5.860	0.00
24	5	215.69	3.00	13.9	3.00	13.9	0.00	**	3.10	.30	24	5	2.410	0.00
25	6	373.40	3.50	9.4	3.50	9.4	0.00	**	3.60	1.00	25	6	8.650	0.00
26	2	59.15	1.30	22.0	1.30	22.0	0.00	**	1.40	2.00	26	2	39.200	0.00
27	3	51.25	2.10	41.0	2.10	41.0	0.00	**	2.20	1.00	27	3	6.740	0.00
28	4	80.24	2.80	34.9	2.80	34.9	0.00	**	2.90	1.00	28	4	5.240	0.00
29	5	81.21	2.70	33.2	2.70	33.2	0.00	**	2.80	.60	29	5	1.820	0.00
30	6	196.07	3.70	18.9	3.70	18.9	0.00	**	3.80	.30	30	6	1.360	0.00
31	3	70.10	1.20	17.1	1.20	17.1	0.00	**	1.30	2.00	31	3	18.600	0.00
32	4	54.89	1.80	32.8	1.80	32.8	0.00	**	1.90	1.00	32	4	3.620	0.00
33	5	92.45	2.50	27.0	2.50	27.0	0.00	**	2.60	1.00	33	5	3.460	0.00
34	6	91.47	2.80	30.6	2.80	30.6	0.00	**	2.90	.60	34	6	1.280	0.00
35	4	60.51	.80	13.2	.80	13.2	0.00	**	.90	2.00	35	4	8.060	0.00
36	5	50.70	1.30	25.6	1.19	23.5	.11	**	1.40	1.00	36	5	1.920	0.00
37	6	65.39	1.80	27.5	1.68	25.7	.12	**	1.90	1.00	37	6	1.540	0.00
38	1	891.36	2.00	2.2	2.00	2.2	0.00	**	2.10	.30	38	1	352.000	0.00
39	2	541.38	1.90	3.5	1.90	3.5	0.00	**	2.00	.60	39	2	107.000	0.00
40	3	746.54	2.70	3.6	2.70	3.6	0.00	**	2.80	1.00	40	3	97.600	0.00
41	4	219.61	3.10	14.1	3.10	14.1	0.00	**	3.20	1.00	41	4	14.300	0.00
42	5	293.43	2.80	9.5	2.80	9.5	0.00	**	2.90	2.00	42	5	21.900	0.00
43	1	339.84	.90	2.6	.90	2.6	0.00	**	1.00	.90	43	1	407.000	0.00
44	2	266.24	.60	2.3	.60	2.3	0.00	**	.70	.60	44	2	53.300	0.00
45	3	138.75	.70	5.0	.70	5.0	0.00	**	.80	.60	45	3	11.100	0.00
46	4	172.19	1.40	8.1	1.40	8.1	0.00	**	1.50	1.00	46	4	11.400	0.00
47	5	50.32	1.60	31.8	1.49	29.6	.11	**	1.70	2.00	47	5	3.800	0.00
48	6	67.81	1.30	19.2	1.19	17.5	.11	**	1.40	2.00	48	6	3.210	0.00
49	2	728.83	1.00	1.4	1.00	1.4	0.00	**	1.10	.90	49	2	218.000	0.00
50	3	456.36	1.00	2.2	1.00	2.2	0.00	**	1.10	.30	50	3	18.200	0.00
51	4	207.96	.80	3.8	.80	3.8	0.00	**	.90	.60	51	4	8.310	0.00
52	5	244.76	1.40	5.7	1.40	5.7	0.00	**	1.50	1.00	52	5	9.260	0.00
53	6	72.53	1.70	23.4	1.60	22.0	.10	**	1.80	2.00	53	6	3.420	0.00
54	3	3590.19	2.20	.6	2.20	.6	0.00	**	2.30	.60	54	3	283.000	0.00
55	4	2091.66	2.00	1.0	2.00	1.0	0.00	**	2.10	.30	55	4	41.300	0.00
56	5	912.88	2.00	2.2	2.00	2.2	0.00	**	2.10	.60	56	5	20.600	0.00
57	6	1028.02	2.70	2.6	2.70	2.6	0.00	**	2.80	1.00	57	6	24.000	0.00
58	4	4359.73	3.30	.8	3.30	.8	0.00	**	3.40	.60	58	4	170.000	0.00
59	5	2441.45	3.30	1.4	3.30	1.4	0.00	**	3.40	.30	59	5	27.200	0.00
60	6	1052.50	3.00	2.9	3.00	2.9	0.00	**	3.10	.60	60	6	14.700	0.00
61	5	3213.38	3.30	1.0	3.30	1.0	0.00	**	3.40	.60	61	5	71.600	0.00
62	6	1818.61	3.00	1.6	3.00	1.6	0.00	**	3.10	.30	62	6	12.700	0.00
63	6	5132.01	3.40	.7	3.40	.7	0.00	**	3.50	.60	63	6	71.400	0.00

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

JOB 585 LINE 8 SPREAD 1 EAST 1/2 1/14/71 250 FEET=DIPOLE LENGTH
CAL GROUP NO. 1

CAL CUR	PFE	AC1	AC2	AC FREQ	DC FREQ	PFE CAL	RHO CAL
1.000	.10	101.200	0.00	3.00	.30	.1000	.9881

COMPUTED DATA									FIELD DATA					
POINT NO.	N	RHO	PFE	MCF	CCPFE	CCMCF	CPFE		PFE	CUR	PT.	N	AC1	AC2
1	1	105.12	4.30	40.9	4.30	40.9	0.00	**	4.40	1.00	1	1	136.000	0.00
2	2	105.15	6.20	59.0	6.20	59.0	0.00	**	6.30	1.00	2	2	33.400	0.00
3	3	162.61	6.00	36.9	6.00	36.9	0.00	**	6.10	1.00	3	3	20.700	0.00
4	1	161.62	5.10	31.6	5.10	31.6	0.00	**	5.20	2.00	4	1	415.000	0.00
5	2	148.24	4.40	29.7	4.40	29.7	0.00	**	4.50	1.00	5	2	47.900	0.00
6	3	148.61	6.10	41.0	6.10	41.0	0.00	**	6.20	1.00	6	3	18.900	0.00
7	4	214.98	5.10	23.7	5.10	23.7	0.00	**	5.20	1.00	7	4	13.800	0.00
8	1	111.99	3.50	31.3	3.50	31.3	0.00	**	3.60	1.00	8	1	146.000	0.00
9	2	211.79	4.30	20.3	4.30	20.3	0.00	**	4.40	2.00	9	2	137.000	0.00
10	3	197.90	3.10	15.7	3.10	15.7	0.00	**	3.20	1.00	10	3	25.900	0.00
11	4	195.72	4.80	24.5	4.80	24.5	0.00	**	4.90	1.00	11	4	12.600	0.00
12	5	277.32	3.80	13.7	3.80	13.7	0.00	**	3.90	1.00	12	5	10.300	0.00
13	1	83.16	5.20	62.5	5.20	62.5	0.00	**	5.30	.60	13	1	64.000	0.00
14	2	114.93	4.50	39.2	4.50	39.2	0.00	**	4.60	1.00	14	2	37.100	0.00
15	3	234.51	5.30	22.6	5.30	22.6	0.00	**	5.40	2.00	15	3	60.100	0.00
16	4	220.43	4.00	18.1	4.00	18.1	0.00	**	4.10	1.00	16	4	14.300	0.00
17	5	211.28	5.10	24.1	5.10	24.1	0.00	**	5.20	1.00	17	5	7.750	0.00
18	6	296.81	4.10	13.8	4.10	13.8	0.00	**	4.20	1.00	18	6	6.870	0.00
19	1	109.70	5.60	51.1	5.60	51.1	0.00	**	5.70	.60	19	1	84.100	0.00
20	2	128.83	6.00	46.6	6.00	46.6	0.00	**	6.10	.30	20	2	12.300	0.00
21	3	194.09	5.60	28.9	5.60	28.9	0.00	**	5.70	1.00	21	3	24.800	0.00
22	4	325.57	5.60	17.2	5.60	17.2	0.00	**	5.70	2.00	22	4	41.600	0.00
23	5	296.74	4.00	13.5	4.00	13.5	0.00	**	4.10	1.00	23	5	11.000	0.00
24	6	277.41	6.10	22.0	6.10	22.0	0.00	**	6.20	1.00	24	6	6.300	0.00
25	2	143.40	7.50	52.3	7.50	52.3	0.00	**	7.60	.60	25	2	27.000	0.00
26	3	165.25	7.20	43.6	7.20	43.6	0.00	**	7.30	.30	26	3	6.240	0.00
27	4	237.47	6.10	25.7	6.10	25.7	0.00	**	6.20	1.00	27	4	15.100	0.00
28	5	386.59	10.40	26.9	10.40	26.9	0.00	**	10.50	2.00	28	5	27.000	0.00
29	6	331.70	6.00	18.1	6.00	18.1	0.00	**	6.10	1.00	29	6	7.540	0.00
30	3	156.82	5.80	37.0	5.80	37.0	0.00	**	5.90	.60	30	3	12.000	0.00
31	4	189.87	5.00	26.3	5.00	26.3	0.00	**	5.10	.30	31	4	3.660	0.00
32	5	273.29	3.60	13.2	3.60	13.2	0.00	**	3.70	1.00	32	5	10.170	0.00
33	6	436.60	5.20	11.9	5.20	11.9	0.00	**	5.30	2.00	33	6	20.000	0.00
34	4	246.89	5.20	21.1	5.20	21.1	0.00	**	5.30	.60	34	4	9.500	0.00
35	5	307.44	5.20	16.9	5.20	16.9	0.00	**	5.30	.30	35	5	3.380	0.00
36	6	443.71	4.00	9.0	4.00	9.0	0.00	**	4.10	1.00	36	6	10.280	0.00
37	5	319.25	4.60	14.4	4.60	14.4	0.00	**	4.70	.60	37	5	7.060	0.00
38	6	~~1125.79~~ 403	4.60	~~4.1~~ 11.4	4.60	4.1	0.00	**	4.70	.30	38	6	~~7~~ 2.780	0.00
39	6	363.68	3.50	9.6	3.50	9.6	0.00	**	3.60	.60	39	6	5.080	0.00