BY DL DATE Nov. 19/76 SUBJECT DIP & BEARING SURVEY — HOLE # U-13 SHEET NO. OF

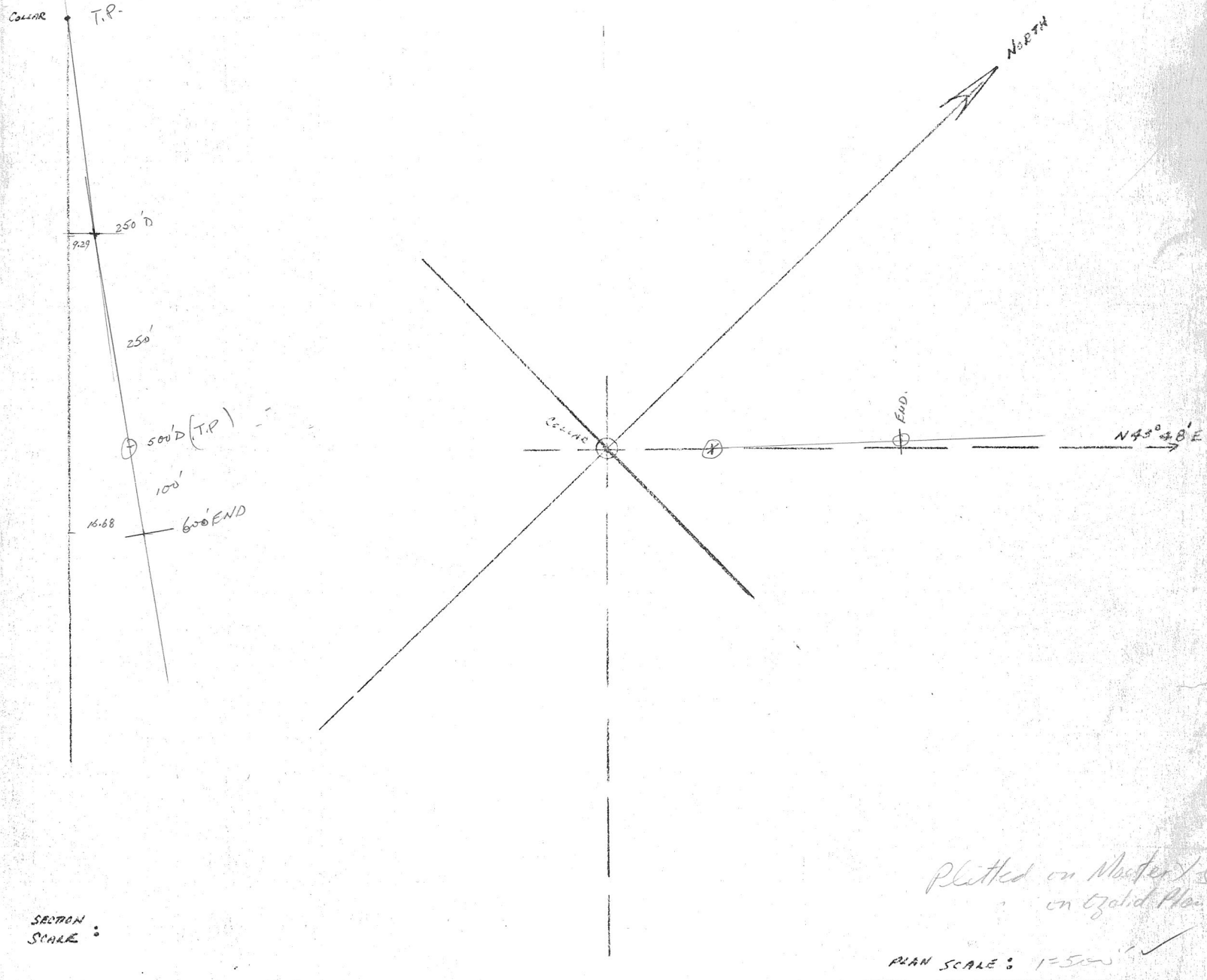
CHKD BY DATE JOB NO.

018303

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT. DIST.	ELEV.	FOOTAGE
COLLAR										1152.91	00.0
Collar			43°47'59"	-83°	250'(76.2)m	.1219	9.29	.99255	75.63	1077.28	76.2
500'			42°	-81	350'(106.68)	.1564	16.68	.98769	105.37	971.91	182.9
									25.99 TOTAL VERT. DIST. 181.00		

1:200 SCALE



Plotted on Master Sec on Grid Plan

SECTION SCALE:

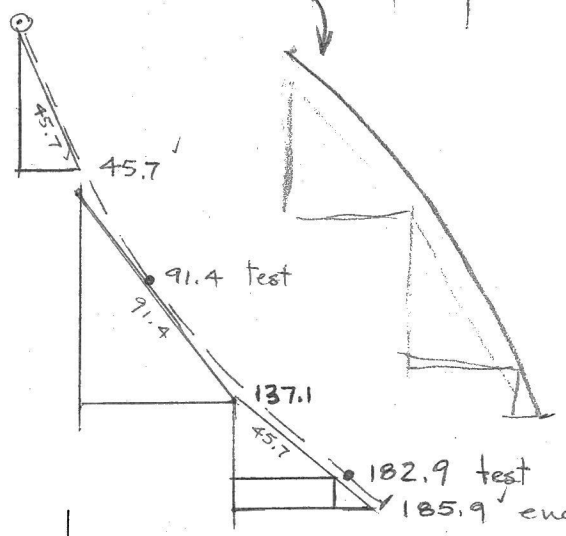
PLAN SCALE: 1=50'

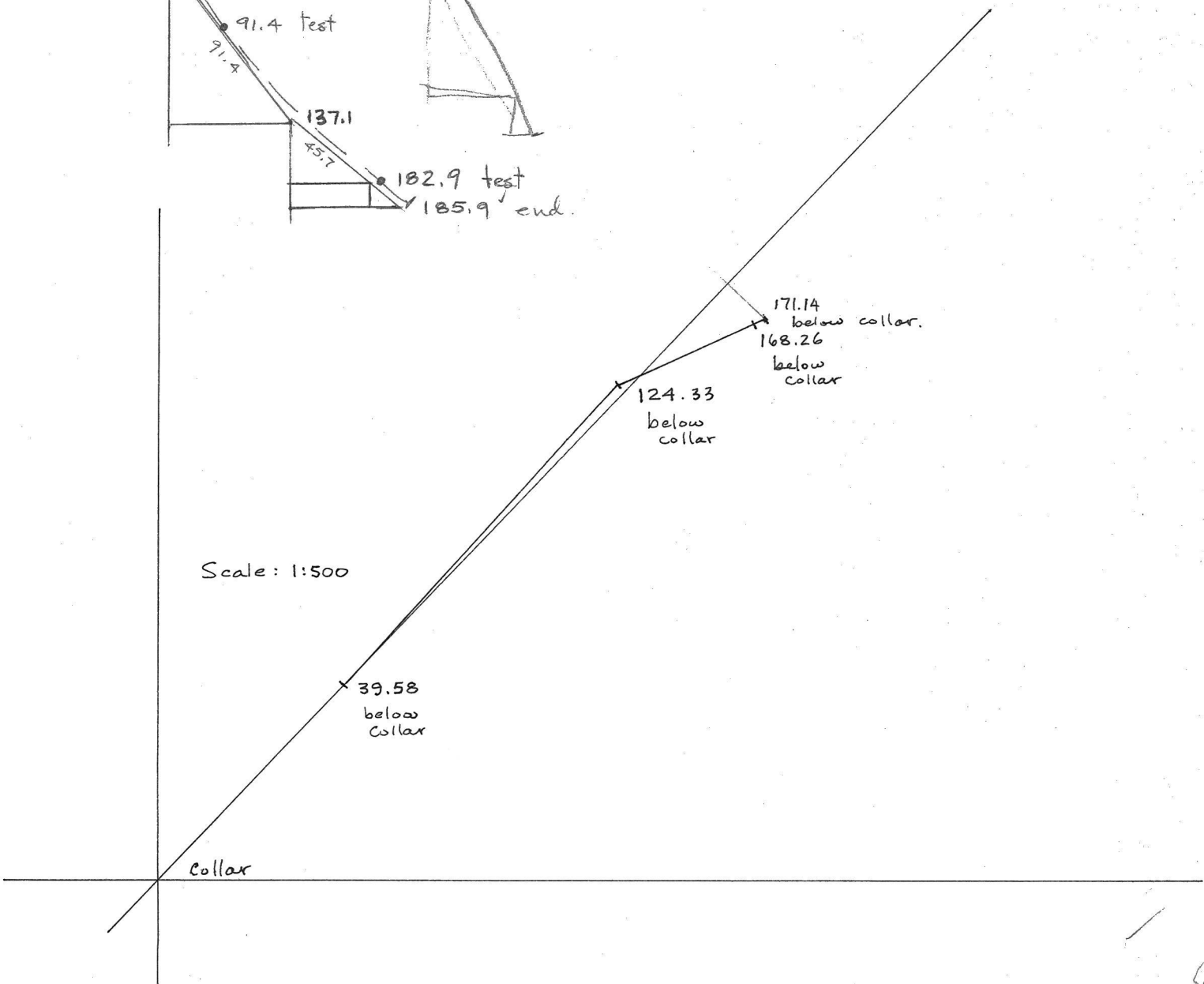
DDH U-15

Dip & Bearing Survey

	ELEV	FOOTAGE	Az	Dip	Cos	Dist	HD	Sin	VD
Collar	1166.19	0							
	1126.61	45.7	044° 00'	-60°	.5000	45.7	22.85	.8660	39.58
	1041.86	137.1	042° 20'	-68	.3746	91.4	34.24	.9272	84.75
	997.93		065° 20'	-74	.2756	45.7	12.59	.9613	43.93
	995.25	185.9	065° 20'	-74	.2756	3.0	.83	.9613	2.88

Note:
Diagram should be reversed





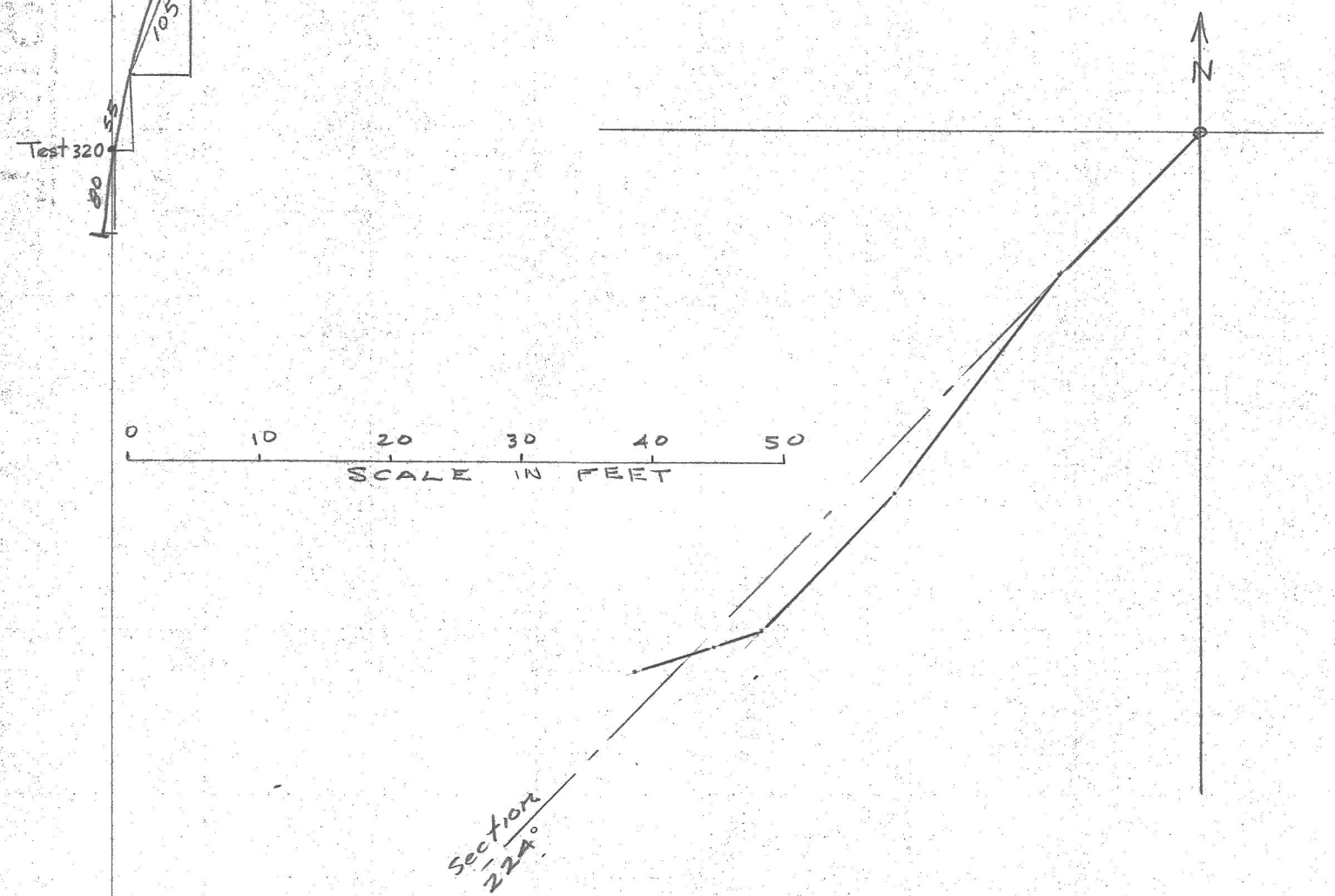
Collin. Checked by J. Chan Nov. 25/76 Field Fil.

JP Feb 22/76 U-32 (121.9 m = 400')

Dip & Bearing Survey

Collar 1166.37 / 00

Elev	Footage	Test At	Az	Dip	Cos	Dist	HD	Sin	VD
1150.35	16.76	0	~~224~~ 222°33'27"	~~74°~~ -72°51'	~~.2756~~ .2949	55	~~15.2~~ 16.22 (4.94 m)	~~.9613~~ .95553	~~52.9~~ 52.55 (16.02)
1117.43	50.29	110 (33.5)	217°	-79°	.1908	110	21.0 (6.40 m)	.9816	108.0 (32.92)
1086.04	82.3	220 (67.05)	224°	-82°	.1392	105	14.6 (4.45)	.9903	103.0 (31.39)
1070.86	97.54	320 (97.5)	252°	-85½°	.0785	50	3.9 (1.19)	.9969	49.8 (15.18)
1046.57	121.92 END	Test 110 400' (121.9) END	252°	-85½°	.0785	80	6.3 (1.92)	.9969	79.7 (24.29)



Checked by J.C Nov 26/76 — Field File
Plotted on PLAN (print) & X-S (Mylar).

L. BETTIOL MAR 5, '76

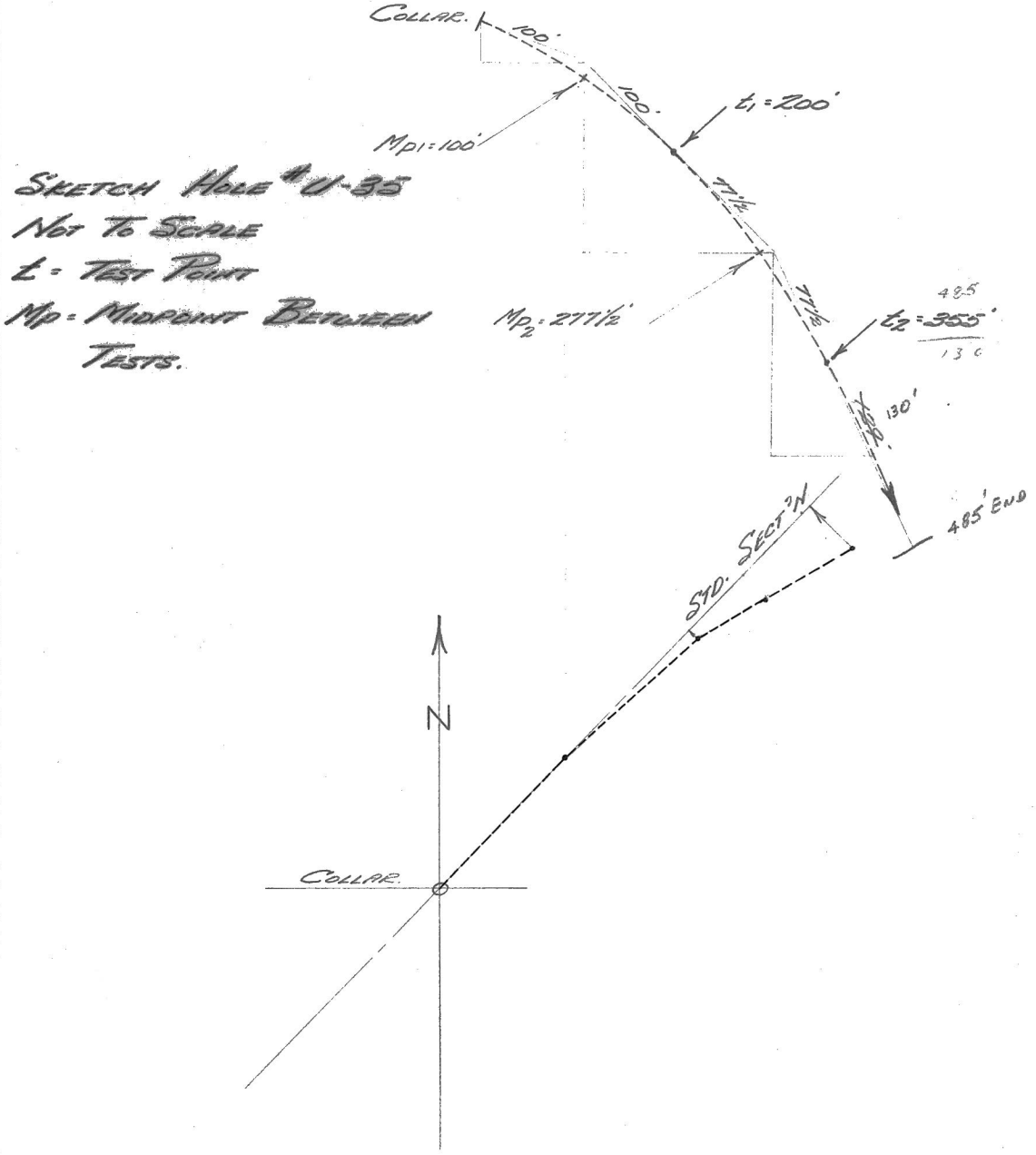
DIP & BEARING SUR. ✓
HOLE # U-35

147.8m = ~~484.78'~~ 485'

TEST POINT.	CORR. BEARING	CORR. AZIMUTH	DIP.	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.	FOOTAGE
				(30.48)				Collar	1144.64	0
COLLAR.	~~N-44°-E~~	57°10'41" ~~45°00'~~	-63°23' ~~-64°~~	100' ✓	.4481	44.81 (13.66") ~~13.84~~	.8940 2 ~~.89879~~	89.40 (27.25) ~~89.88~~	1117.39	30.48
				(54.10m) ✓		(13.09) ✓		(52.5') ✓		
t_1 = 200'	N-18°-E	18°00'	-76°	177.5'	.24192 ✓	42.91 ✓	.97030 ✓	172.23 ✓	1064.89	84.58
				207.5'		43.14 (13.15)		202.97 (61.84)		
t_2 = 355'	N-60°-E	60°00'	-78°	(63.25)	.20791 ✓	~~42.93~~	.97815 ✓	~~201.99~~	1003.02	147.83 END

TOTAL VERT. DIST. = ~~466.10~~'

= ~~141.5~~ m.



SKETCH HOLE # U-35
NOT TO SCALE
t = TEST POINT
Mp = MIDPOINT BETWEEN TESTS.

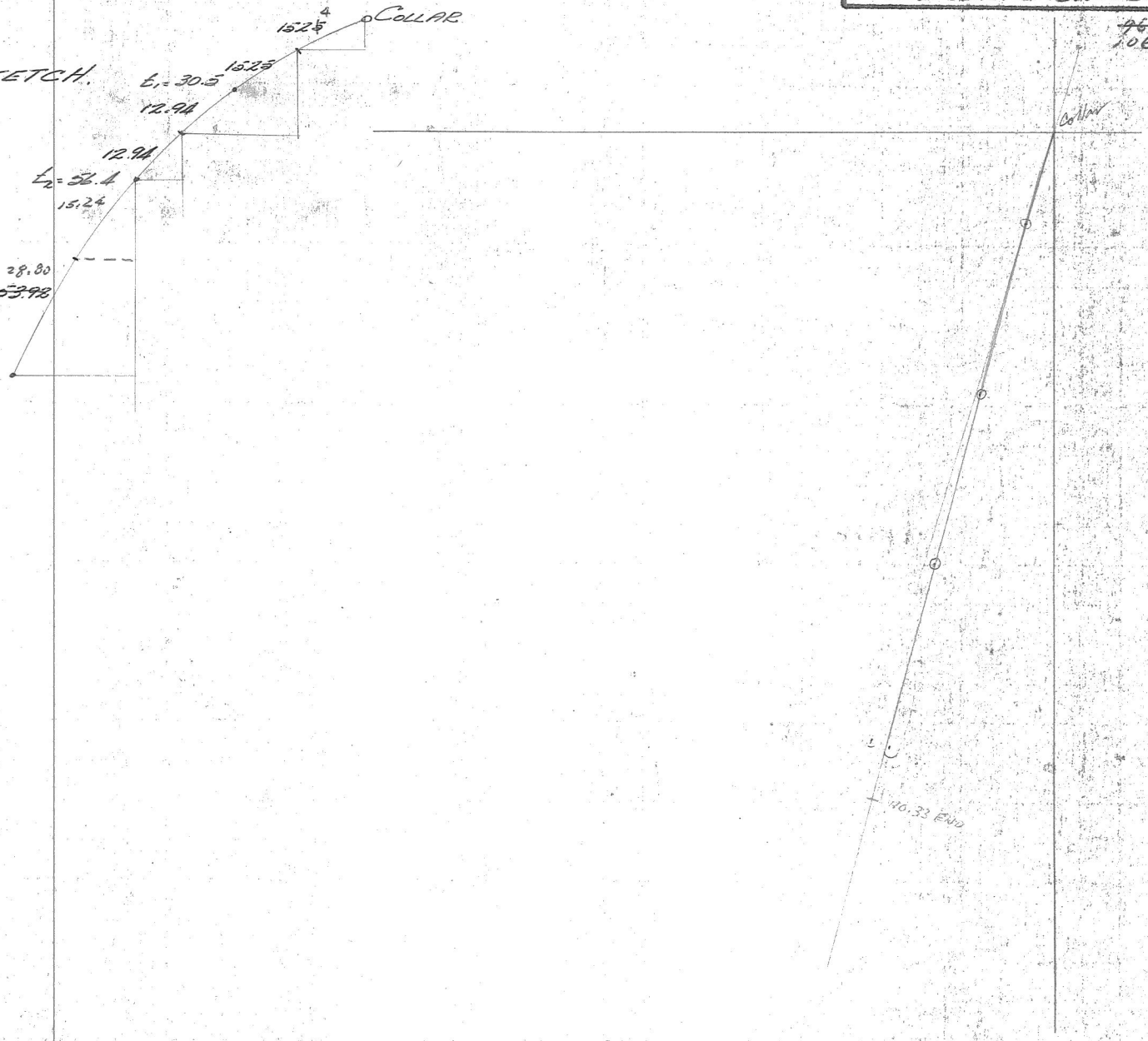
Check by J.L. Nov 25/76 Field
Plotted on Plan (print) & X-S (Mylar)

BY L. BETTIOL DATE 24/03/76 SUBJECT DIP & BEARING SHEET NO. OF
CHKD. BY DATE SURVEY — HOLE # U-39 JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

ELEV. (Collar) 1144.62	FOOTAGE 0	TEST POINT	CORR. BEARING	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP	VERT DIST.
1130.03	15.24	Collar		230°	-7°13'	15.25	.99237	4.39 / 4.44	.95630	14.58
1102.80	43.43	100 / 30.48		241°	-75°	28.19	.25882	7.30	.96593	27.23
1075.57	71.63	185 / 56.38		240°	-75°	28.19 / 28.94	.25882	7.30 / 7.45	.96593	27.23 / 27.82
1047.75 / 1038.18	110.33	110.3 END		240°	-75°	53.98 / 53.98	.25882	13.96	.96593	52.08
						38.79		10.02		37.39
								TOTAL VERT. DIST.		106.39 / 96.87 / 106.47

SKETCH.



Scale 1" = 10'

Checked by J.C Nov. 26/76
Plotted on plan (print) & X-5 (Mylar)

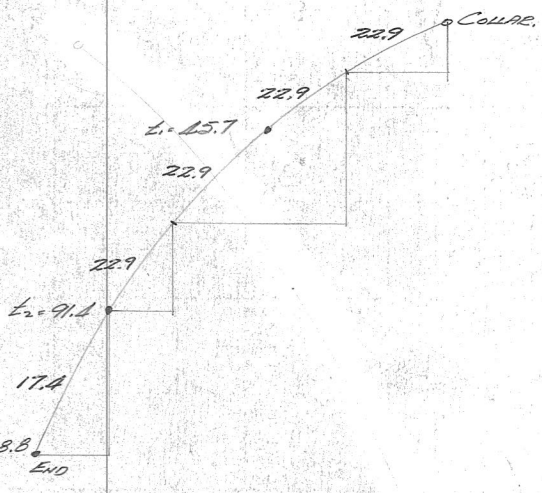
Field Book

BY L. BETTIOL DATE 24/03/76 SUBJECT DIP & BEARING SHEET NO. 1 OF

CHKD. BY DATE SURVEY — HOLE # U-40 JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

ELEV.	FOOTAGE	TEST POINT	CORR BEARING	CORR AZIMUTH	DIP -53°58'	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
1144.6 Collar	0									
1126.07	22.86	Collar		225°20'45" 225	~~-54~~	22.9	.58779	13.46	.80902	18.53
1086.90	68.58	45.7 150		234	-59°	45.7	.51504	23.54	.85717	39.17
1067.27	91.44	91.4 300		249	-59°	22.9	.51504	11.79	.85717	19.63
1052.36	108.8	108.8		249	-59°	17.4	.51504	8.96	.85717	14.91
								TOTAL VERT DIST.		92.24

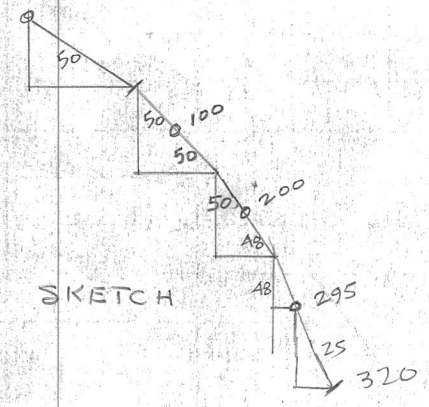


BY JP DATE MARCH 15 SUBJECT DIP & BEARING SURVEY — HOLE #U-41 (97.5m) SHEET NO. ____ OF ____

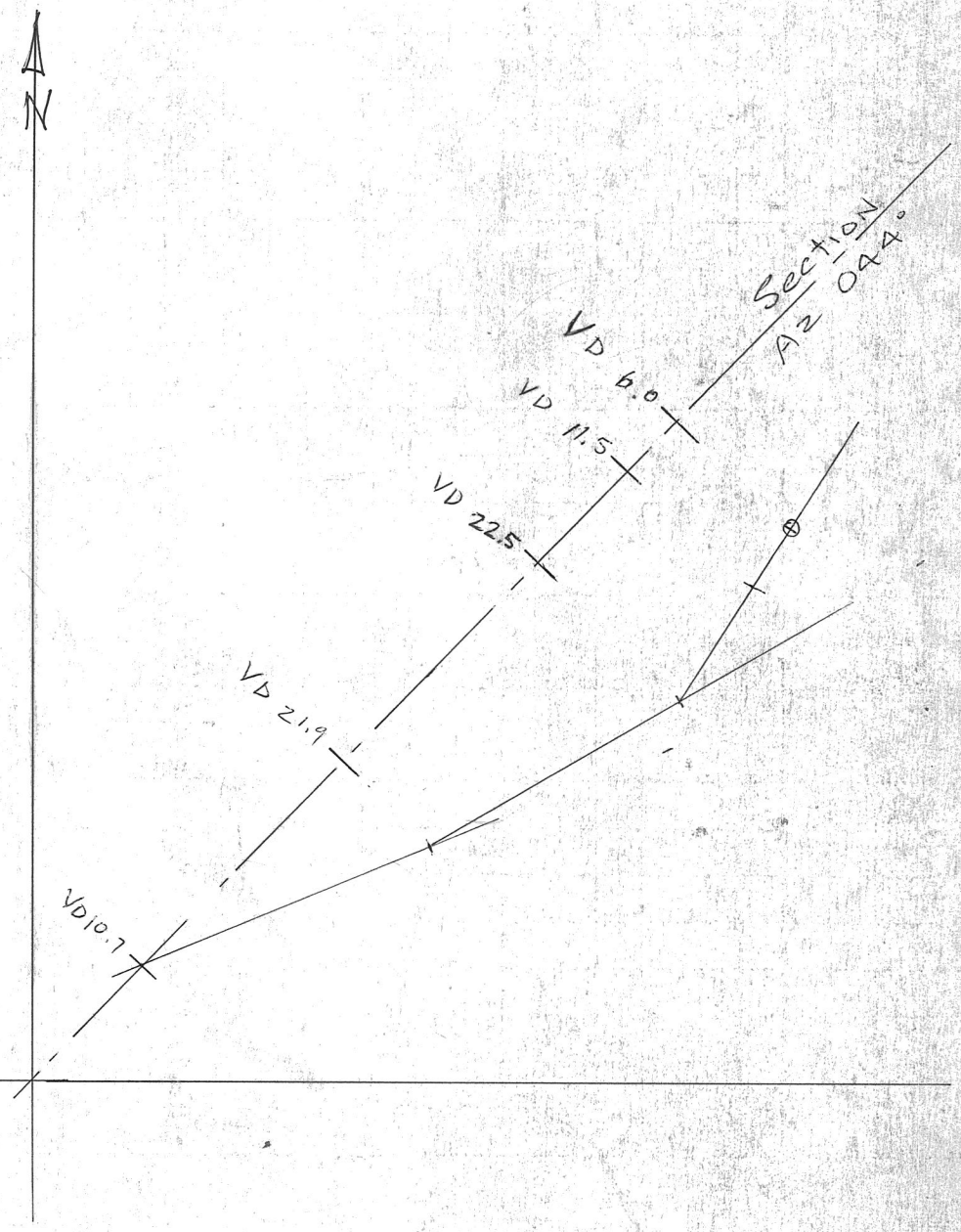
CHKD. BY ____ DATE ____ JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

ELEV.	FOOTAGE	TEST POINT	CORR. BEARING	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
1144.63	0									
1133.64	15.2	Collar		044°25'21"	~~-46°19'~~	50 15.2	0.6907 ~~0.707~~	10.5 ~~10.7~~ ~~35.3~~	.723 ~~0.707~~	10.99 10.7 ~~35.3~~
1111.74	45.6	100 30.4		068	-46°	100 30.4	0.695	69.5 21.2	0.719	71.9 21.9
1089.24	75.5	200 60.1		060	-49°	98 29.9	0.656	64.3 19.6	0.755	73.9 22.5
1071.74	90.1	295 89.9		032	-52°	48 14.6	0.616	29.6 9.02	0.788	37.8 11.5
1071.74	97.5	320 97.5		"	"	25 7.6	"	15.4 4.7	"	19.7 6.00
								TOTAL VERT. DIST.		238.6 72.9



SKETCH



Checked by J.L. Nov 29/76. Field J.L.
Plotted on PLAN (print) & on X-S (Mylar #1)

BY ..... DATE ..... SUBJECT Dip & Bearing SHEET NO. ..... OF .....
CHKD. BY ..... DATE ..... Survey — Hole #U-48 JOB NO. .....

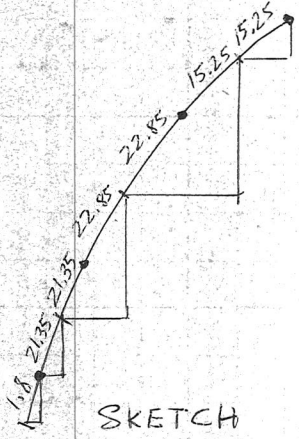
Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert Dist.	Elev.	Footage
									Collar	1143.34	0
Collar	—	—	~~214°35'53~~ ~~214~~	−55°30'	15.25	~~.5664~~ ~~.57358~~	~~8.63~~ ~~8.75~~	~~.82413~~ ~~.81915~~	~~12.56~~ ~~12.49~~	1130.78	15.24
100' 30.5	~~N38W~~	~~322~~	~~207-48~~ ~~354~~	−60°	38.10	.5000	19.05	.86603	33.00	1097.78	53.34
250' 76.2	S11°E	169	201	−62°30'	44.20	.46175	20.41	.88701	39.21	1058.57	97.54
390' 118.9	S04°E	176	208	−68°30'	21.35	.36650	7.82	.93042	19.86	1038.71	118.98
End of hole 120.7				−68°30'	1.80	.36650	0.66	.93042	1.67	1037.01	120.71 End
								Total Vert. Dist.	106.23		

214-35-53
201
13-35-53
207-48-53

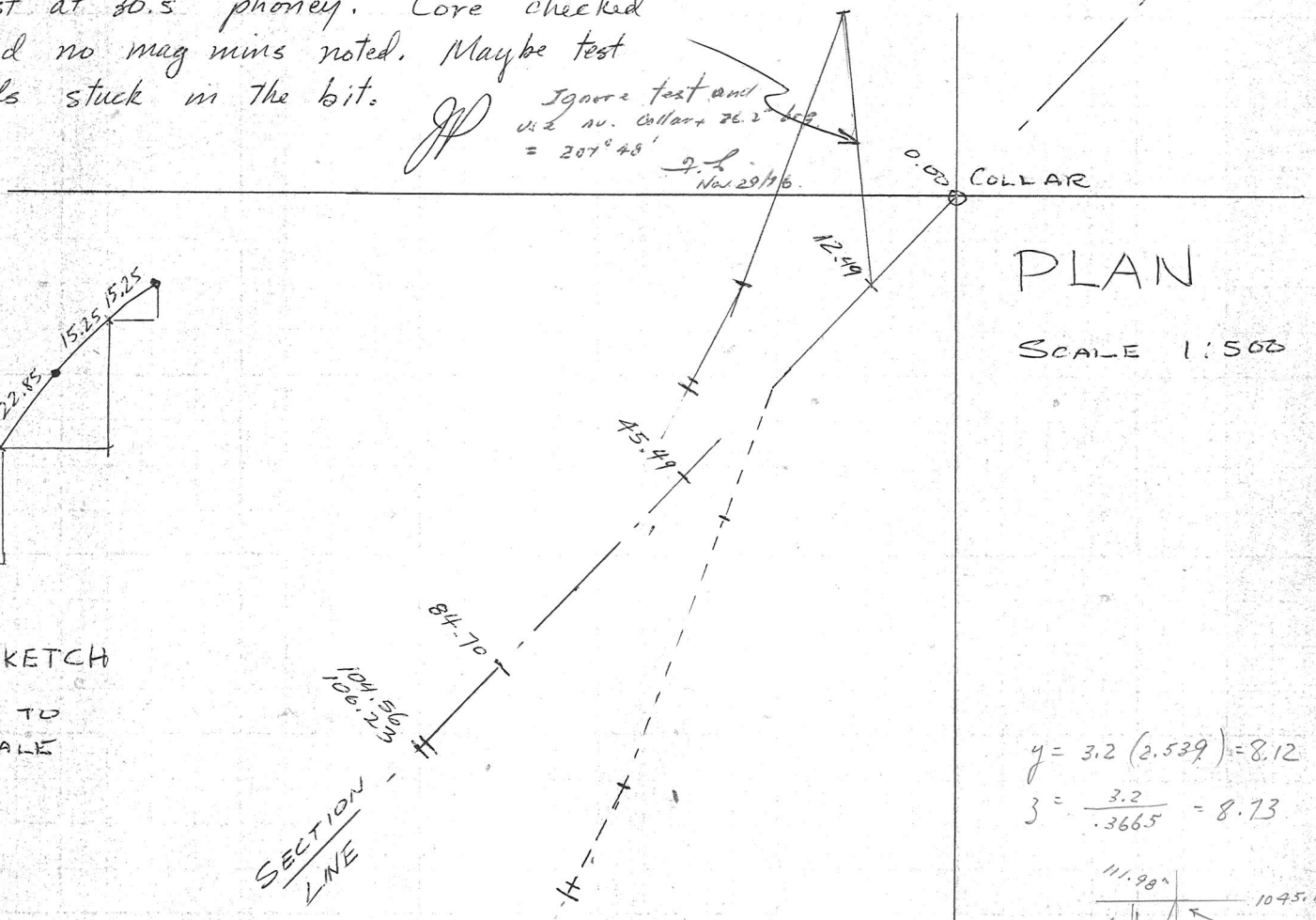
NOTE: Probably mag azimuth on test at 30.5 phoney. Core checked and no mag mins noted. Maybe test rods stuck in the bit.

Ignore test and use mv. collar + 76.2 bg = 207°48' J.L. Nov 29/76.



SKETCH

NOT TO SCALE

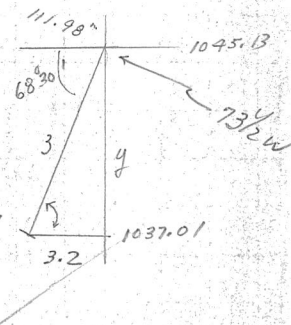


PLAN

SCALE 1:500

$y = 3.2\,(2.539) = 8.12$

$3 = \frac{3.2}{.3665} = 8.73$



BY SJ DATE April 2/76 SUBJECT DIP & BEARING SURVEY — HOLE # U-54 SHEET NO. ____ OF ____

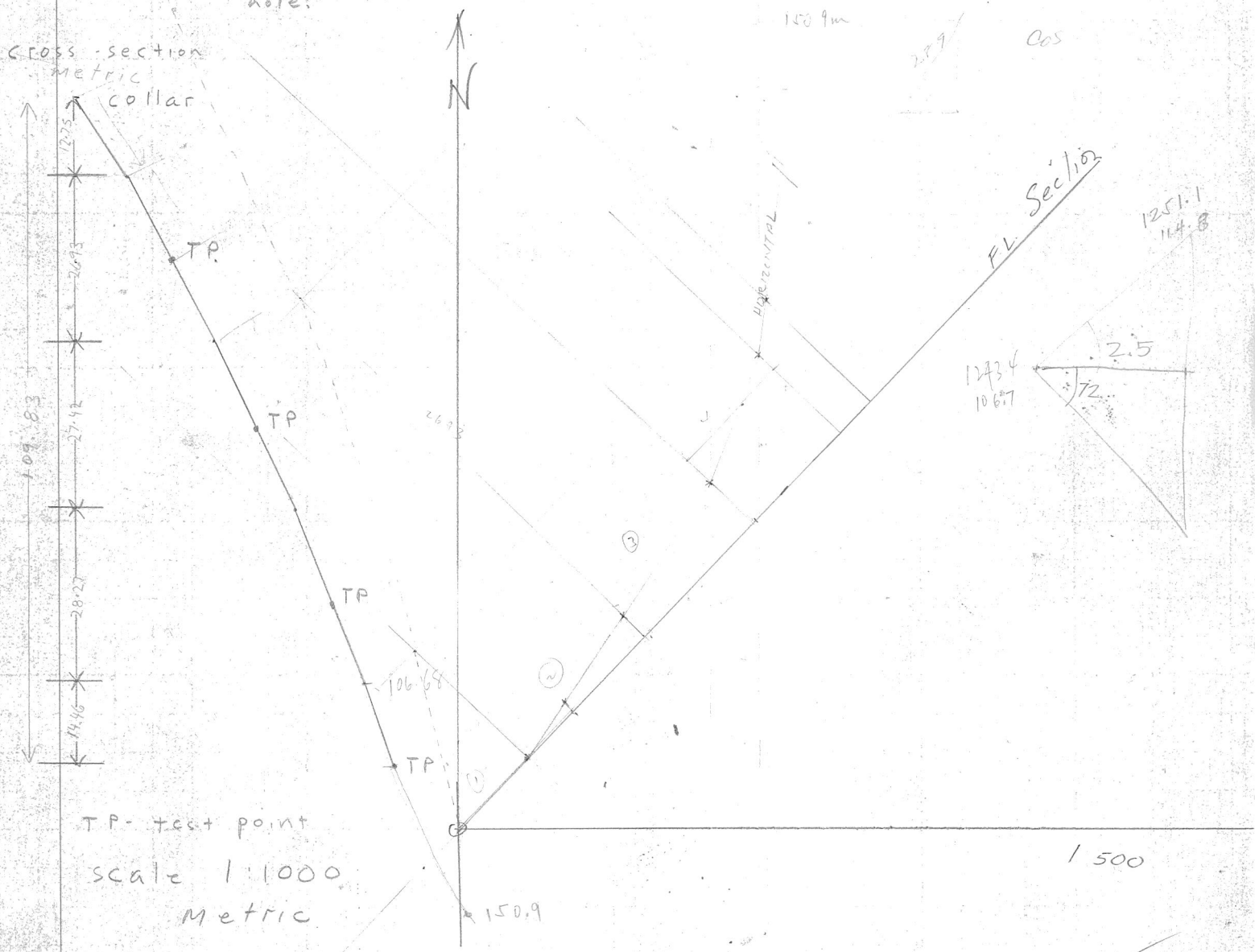
CHKD. BY ____ DATE ____ JOB NO. ____

should be +60°

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT DIST.
collar			33-12 ~~044~~	+57	(50) 15.2	0.545	8.28	0.839	12.75
100 30.5	S 02 W	182 = 002	034	+62	(100) 30.5	0.469	14.30	0.883	26.93
200 61.0	S 01 W	181 = 001	033	+64	(100) 30.5	0.438	13.36	0.899	27.42
300 91.5	S 11 E	169 = 349	021	+68	(100) 30.5	0.375	11.44	0.927	28.27
400 122	S 2 SE.	155 = 335	007	+72	(50) 15.2	0.309	4.70	0.951	14.46
		Reverse azm., up hole.						TOTAL VERT. DIST.	109.83

1160.8
1187.8
1215.2
1243.4
1258.

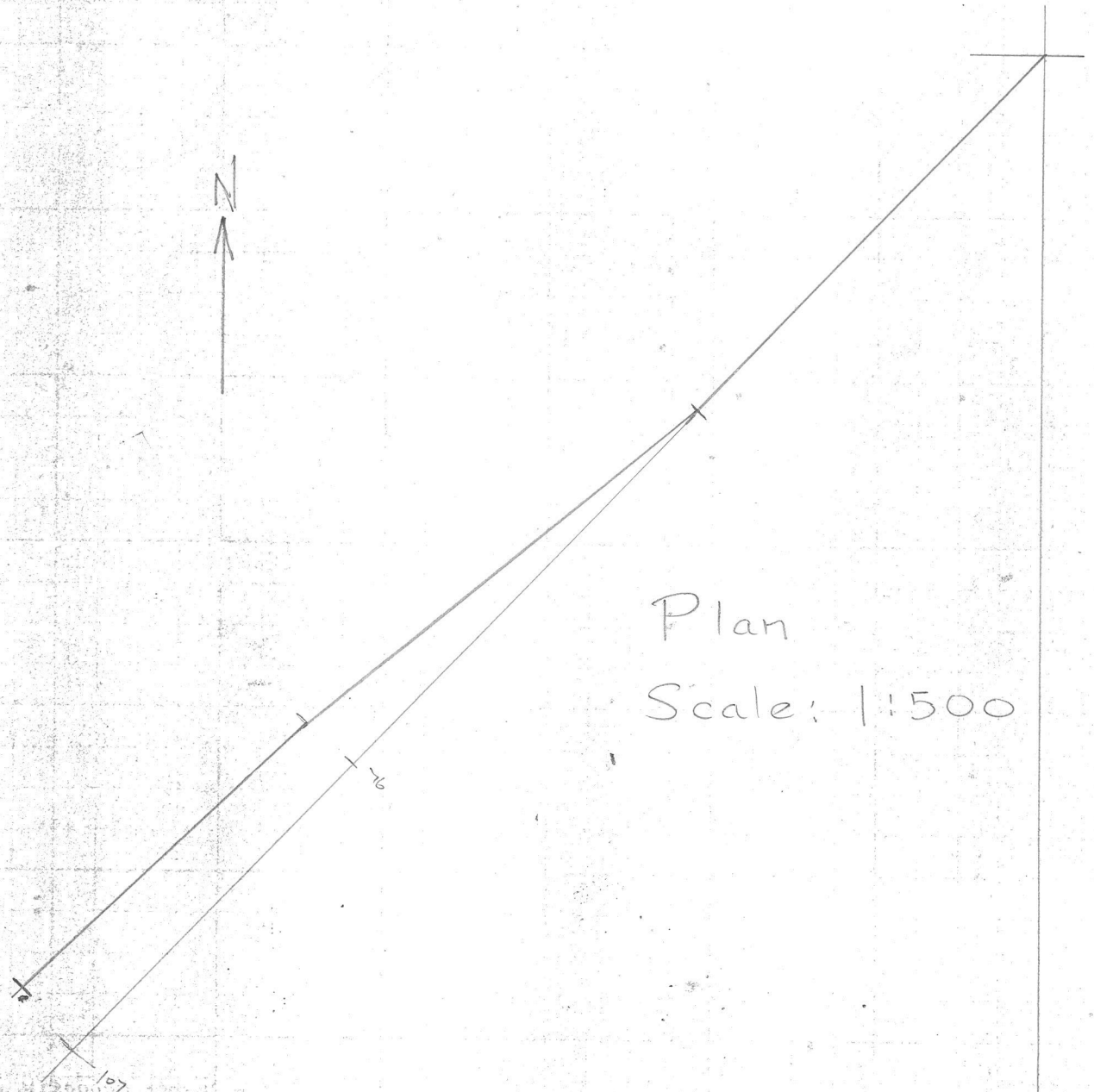


Checked & calc'd by PG Field Eng.
Dec. 22/36
Pt 'o' on Plan (print) + X-S (original)

BY ..... DATE ..... SUBJECT Dip & Bearing SHEET NO. ..... OF .....
CHKD. BY ..... DATE ..... Survey — Hole # U-58 JOB NO. .....

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist. Collar	Elev.	Footage
Collar			~~223° 41' 31"~~ 224	+1° 40'	125' = 38.1"	.99956	38.08	.0291	+ 1.11	1136.29	0
250' (76.2)	S 18 W	198	230 ✓	-02°	175' = 53.34	.99939	53.31	.0349	- 1.86	1135.54	91.44
350' (107)	S 15 W	195	227 /	-02°	50' = 15.24	.99939	15.23	.0349	- 0.53	1135.01	106.6 End Hole
								Total Vert. Dist.			



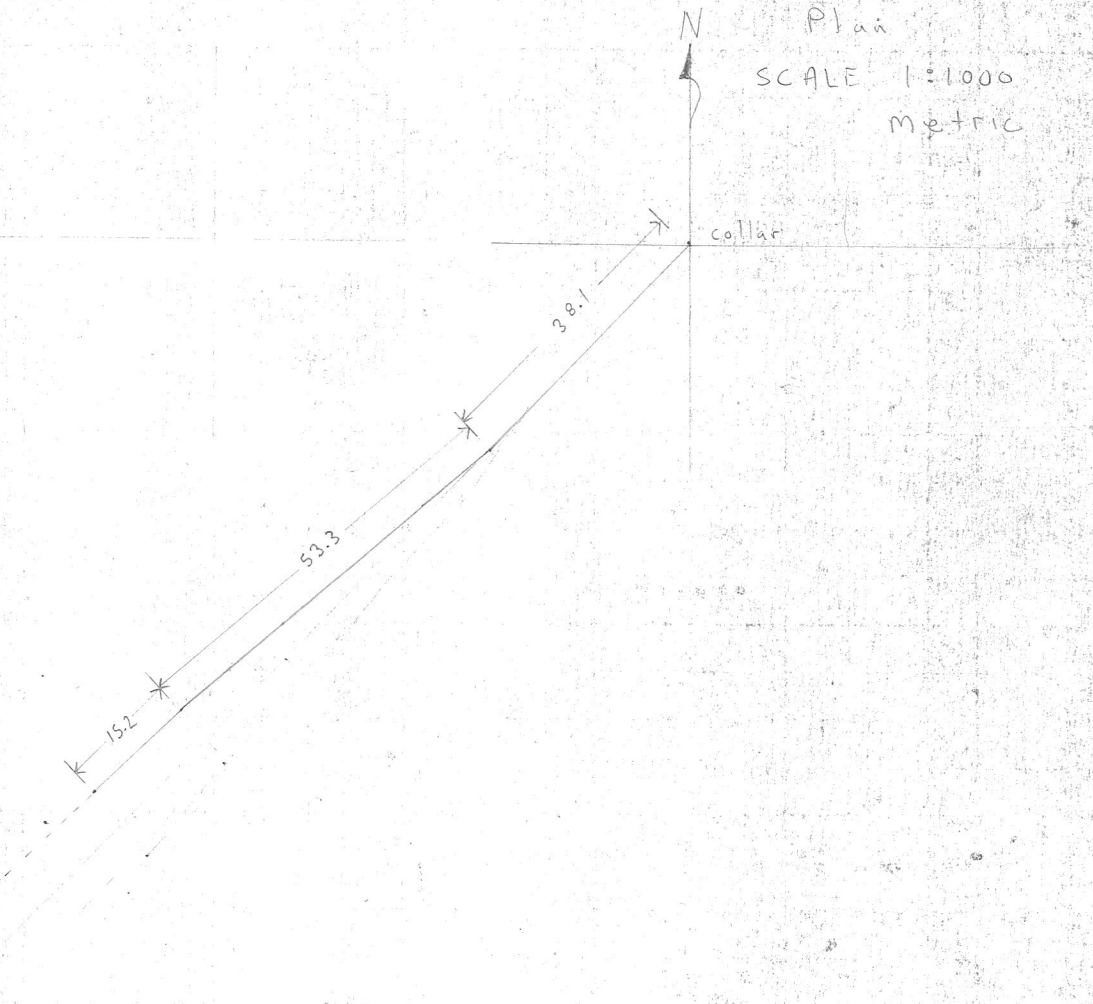
Plan
Scale: 1:500

BY SS DATE Apr. 18 SUBJECT Dip & Bearing SHEET NO. 1 OF 1

CHKD. BY DATE Survey — Hole # U-58 JOB NO.

TABLE #1: CORRELATION OF FIELD DATA: metric

OBS. Bear.	TEST POINT	CORR BEARING	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
	collar	~~S 44W~~	~~224~~	~~0~~ 1	(125) 38.1	1	~~125~~ 38.1	0	—
S 18W	(250) 76.2	S 50W	230	-2	(175) 53.3	0.9994	(175) 53.3	0.0349	(6.1') 1.9
S 15W	(350) 106.7	S 47W	227	-2	(50) 15.2	0.9994	(50) 15.2	0.0349	(1.7') 0.5
							TOTAL VERT DIST.		(7.8) 2.4



Plotted on plan (Grid "X-S" system) Surveyed 76 Survey 76 Field file

BY AYP DATE 4/10/76 SUBJECT DIP & BEARING SURVEY — HOLE # U-59 SHEET NO. OF

CHKD. BY DATE SURVEYED BY L BETTIOL JOB NO.

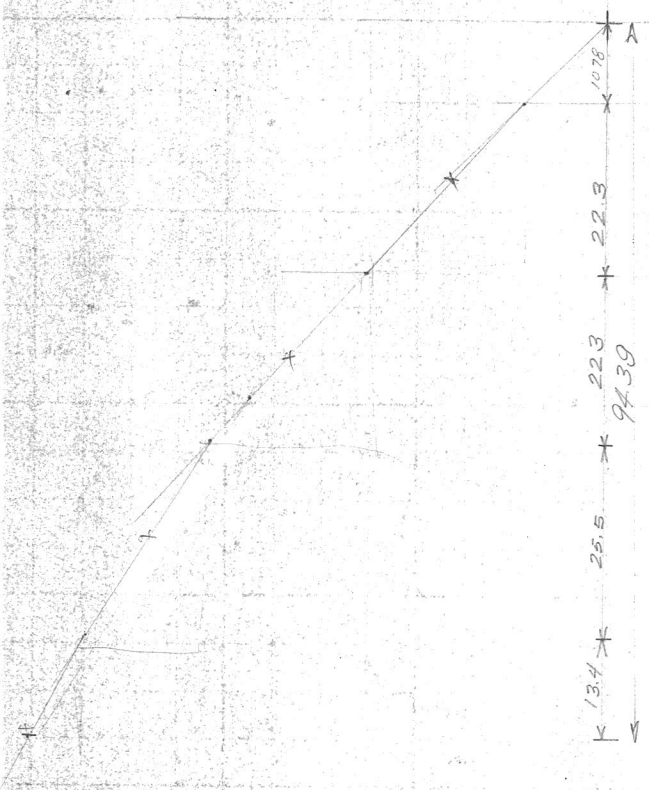
127.2' = 417.2'

TABLE #1: CORRELATION OF FIELD DATA:

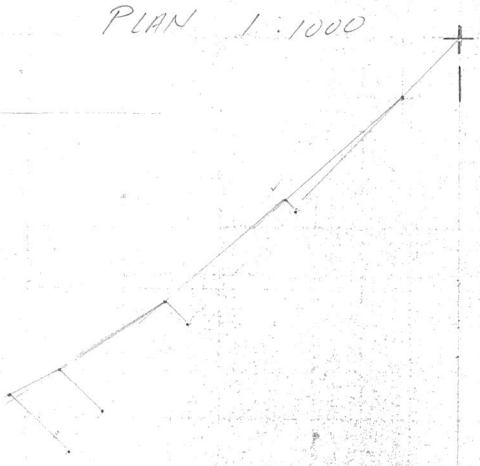
TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.	FOOTAGE
									COLLAR	1135.44	0
COLLAR			22 06 12 / 224	-45 22	15.25m	70.26 / .707	10.78	.71142 / .707	.85 / -10.78	1124.59	15.25
T_1 (100')	S16W	196	228	-47	30.5 m	.682	20.80	.731	-22.30	1102.29	45.75
T_2 (200')	S17W	197	229	-47	30.5 m	.682	20.80	.731	-22.30	1079.99	76.25
T_3 (300')	S26W	206	238	-57	30.5 m	.544	16.6	.838	-25.56	1054.43	106.75
T_4 (400')	S29W	209	241	-62	15.25	.469	7.15	.882	-13.45	1040.98	122.00
END @ 417.2'			as above	as above	5.24		TOTAL VERT. DIST.		94.39 ft	1036.38	127.2

2.46 4.62

SECTION 1:1000



PLAN 1:1000



Checked by [illegible] Nov. 23/76 Field File
Plotted on Plan (print)
" Section (Mylar)

BY ..... DATE ..... SUBJECT DIP & BEARING SURVEY — HOLE # U-61 SHEET NO. ..... OF .....
CHKD. BY ..... DATE ..... JOB NO. .....
U-61

TABLE #1: CORRELATION OF FIELD DATA:

121.92

TEST POINT	OBS. BEARING	OBSV. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.	LOSS
										1135.00	0
COLLAR	—	—	224	-70	22.86	0.3420	7.818	0.9396	21.479	1113.5	22.86
150' T_1 (45.72)	S19W	199	231	-73	45.72	0.2923	13.363	0.9563	43.727	1069.80	68.58
300' T_2 (91.44)	S50W	230	262 *	-79	37.28 + 38.10	0.1908	7.269	0.98163	36.6 97.398	1033.2	105.86
END T_3 (120.3 / 121.92)	S50W	230	262 *	-81	14.42 + 30.48	0.1564	2.26 4.767	0.98769	14.24 30.102 END	1018.96 HOLE	120.28 END
364.6											

TOTAL VERT. DIST. 120.701

SECTION 1" = 1000'

PLAN 1:50

2274

21.4
43.7
37.3
30.1

* Last two readings.
May be due to magnetic interference
Disregarded in plotting section

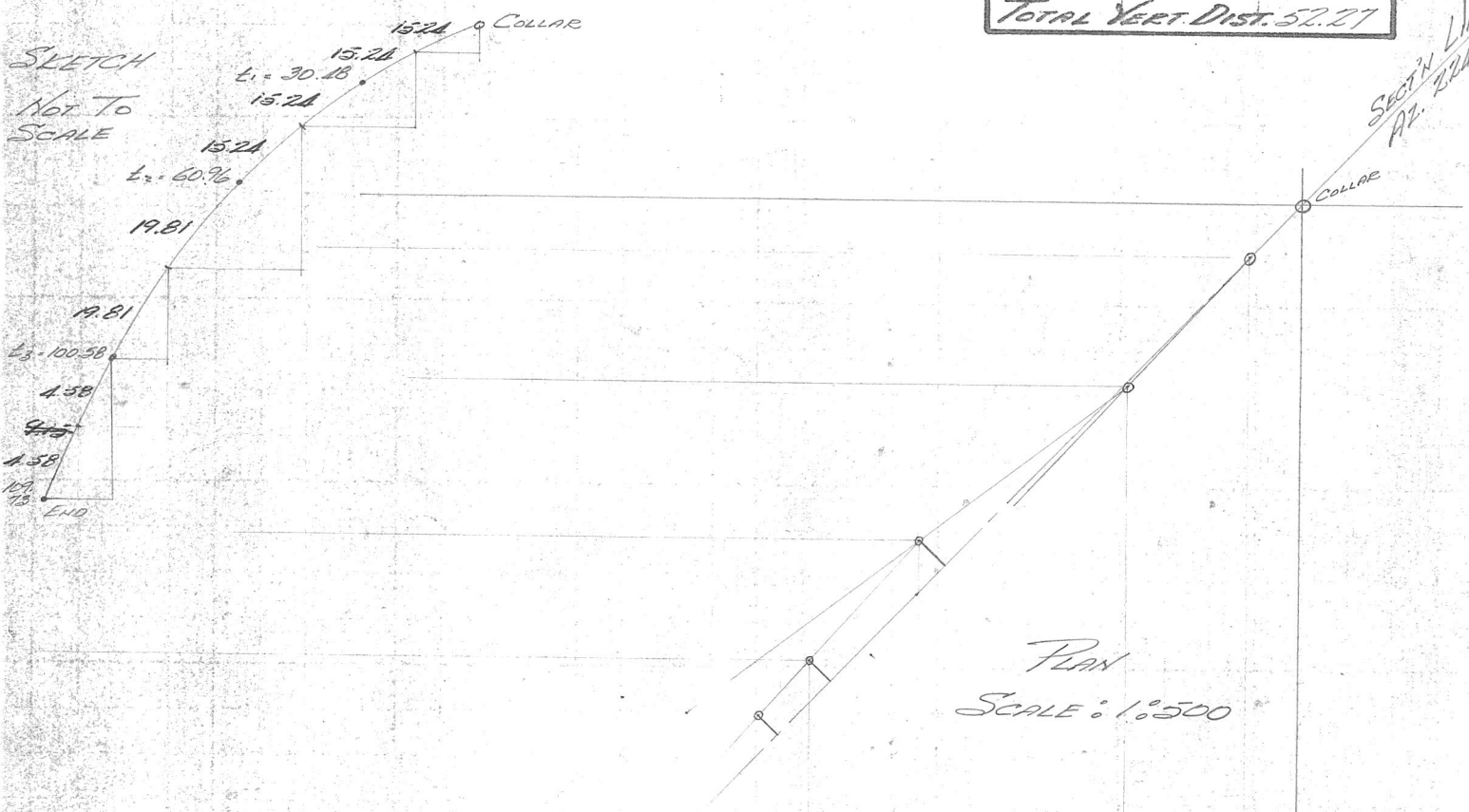
Checked by D.C. Notation plan (print) Field File
" " X-5 (original Mylar)

BY L. BETHOL DATE 6/10/76 SUBJECT DIP & BEARING SHEET NO. OF
CHKD. BY DATE SURVEY — HOLE #U-62 (1977) JOB NO.
HOLE SURVEYED BY: A.Y.P.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.	FOOTAGE
										1135.6	0
COLLAR	—	—	~~222° 19' 48"~~ 222°	~~-21°~~ -20°	15.21'	~~.93356~~ .93969	~~14.23~~ 14.32	~~.3564~~ .34202	~~5.46~~ 5.24	1130.14	15.24
100' = 30.18	S-11°-W	191°	223°	-21°	30.18'	.91355	27.85'	.40674	12.40'	1117.74	45.72
200' = 60.96	S-21°W	201°	233°	-31°	35.05'	.85717	30.04'	.51504	18.05'	1099.69	80.77
330' = 100.58	S-10°W	190°	222°	-35°	19.81'	.81915	16.23'	.57358	11.36'	1088.33	100.58
END = 360' 109.73	—	—	(222°)	(-35°)	9.15'	.81915	7.50	.57358	5.25	1083.08	109.73
							TOTAL VERT. DIST. 52.27				

SKETCH
NOT TO SCALE



PLAN
SCALE: 1"=500'

BY L B DATE ____ SUBJECT DIP & BEARING SURVEY — HOLE # U-72 SHEET NO. ____ OF ____

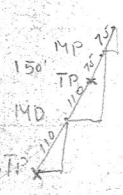
CHKD. BY ____ DATE ____ JOB NO. ____

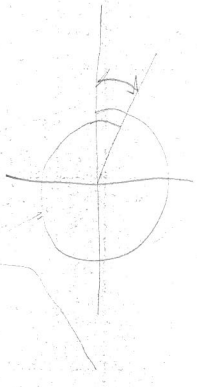
TABLE #1: CORRELATION OF FIELD DATA:

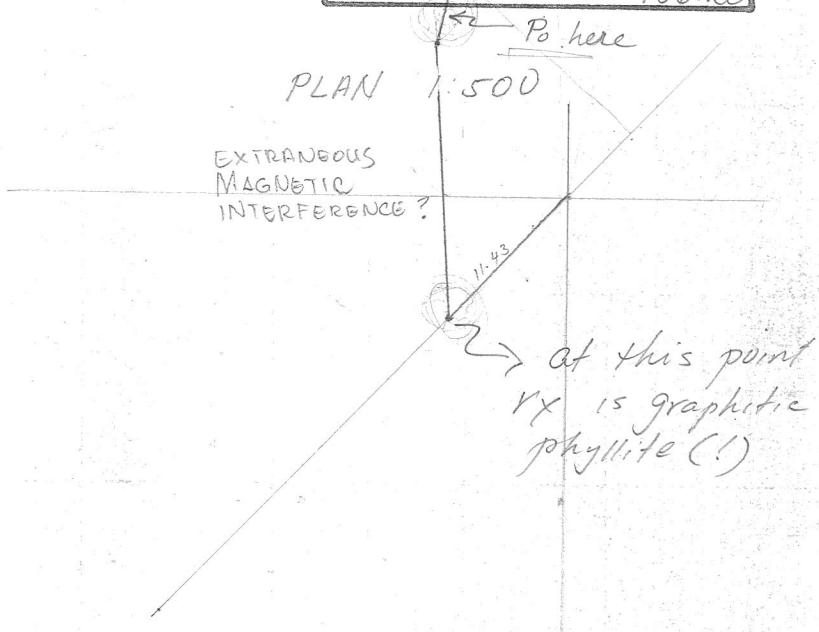
137.3

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT. DIST.
COLLAR	—	—	224.08-4	-60 56-15	75' 22.86	.5556 0.500	12.70 11.43	0.83147 0.866	19.80 19.00
150' T_1 (45.72)	N35W	325	357	-71	185' 56.39	0.325	18.33	0.945	53.29
370' T_2 (112.7)	N19W	341	373 (13)	-82	110' 33.53	0.139	(4.66)	0.990	(33.19)
					24.52				
					(58.05)		8 0+		57.48

TOTAL VERT. DIST. 106.28





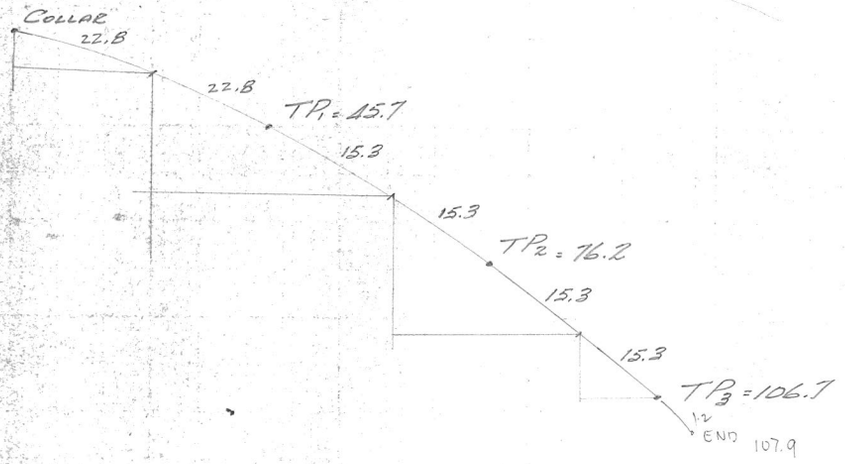


BY LB DATE May 7/16 SUBJECT DIP & BEARING SHEET NO. ... OF ...
CHKD. BY ... DATE ... SURVEY — HOLE # U-74 JOB NO. ...

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
COLLAR	N-63°-W	297°	147-35 ~~327°~~ (149)	8°-30 ~~+X~~°	22.8	.98902 ~~.99355~~	22.55 ~~22.63~~	.1478 .12187	3.37 ~~2.78~~
150' = 45.7m	N-63°-W	297°	329°	+3°	38.1	.99863	38.05	.05234	1.99
250' 76.2m	N-63°-W	297°	329°	+1°	30.6	.99985	30.60	.01745	0.53
350' = 106.7m	N-63°-W	297°	329°	~~-~~+1°	(15.3)	.99985	15.30	.01745	0.27
					(16.5	16.49	106.58		
							TOTAL VERT. DIST. 5.57		

SECTION SKETCH - NOT TO SCALE



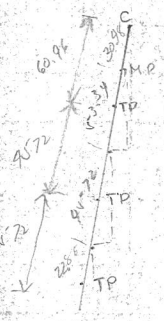
☆☆ Instrument placed backward minus 180° for Azimuth reading
147 Reverse sign for dip

BY L.R DATE SUBJECT Dip & Bearing SHEET NO. OF

CHKD. BY A.Y.L DATE Survey — Hole # U-75 JOB NO.

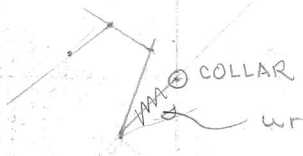
Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip	Horiz. Dist.	Sine Dip	Vert. Dist.	Elev.	Footage
									Collar	1124.59	0
collar	—	—	~~39-40-18~~	-75-25 / -80	30.48 ✓	.17365	5.29	.98481	30.02	1095.09	30.48 ~~29.5~~
200' 60.96	N12W	348	380 (20)	-84	53.34	.10453	5.58	.99452	53.05	1042.04	88.82
350' 106.68	90W	270	302	-86	~~45.72~~	.06976	3.19 ✓	.99756	45.61	996.43	129.54
500' 152.40	520W	200	232	-86	(22.86)	.0698	(1.59)	.99756	(22.80) ✓		
					~~41.08~~ 41.16 ✓		2.87 ✓		~~41.08~~ ✓	955.27 ~~945~~	170.70 END.
							TOTAL VERT. DIST.		151.48		



PLAN: 1: 500

L = 170.7



BY A Y Po DATE 5/14/76 SUBJECT DIP & BEARING SHEET NO. ____ OF ____

CHKD. BY ____ DATE ____ SURVEY — HOLE # U-77 JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
COLLAR	—	—	044	55·37 (56)	15.24 m	0.5640 0.55919	8.59 8.522	0.82577 0.82904	12.58 12.63
100' 30.48m	N11E	11	043	(30.5) 59.5	30.48	0.50754	15.46	0.86163	26.26
200' 60.96	N06E	06	038	(32) 68.0	32.76	0.37461	12.27	0.92718	30.36
315' 96.01	N02E	02	034	18 72.0	17.52 m	0.30902	5.41	0.95106	16.66
550 167.6	N04E	04	036	6 84.0	71.59	0.10453	7.48	0.99452	71.19
							TOTAL VERT. DIST.		85.91 157.1

L = 167.6

Note: Test for 550' was made on MAY 14, 1976

PLAN 1:500



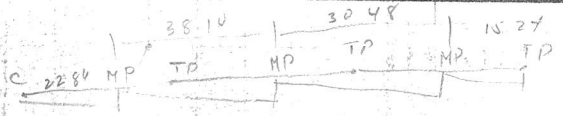
BY ..... DATE ..... SUBJECT Dip & Bearing Survey – Hole # U-78 SHEET NO. ..... OF .....

CHKD. BY ..... DATE ..... JOB NO. .....

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist.	
Collar	—	—	133°37'00" 134	+ 7	22.86	.99255	22.69	.12187	2.79	2.79
150' 45 72	N 76 W	284	316 (136)	+ 4	38.10	.99756	38.01	.06976	2.6x58	5.448
250 76 20	N 76 W	284	316 (136)	+ 2	30.48	.99939	30.46	.03490	1.06	6.508
350 106.68	N 79 W	281	313 (133)	0	15.24	1	15.24	0	0	6.508
									TOTAL VERT. DIST. ~~30.48~~	

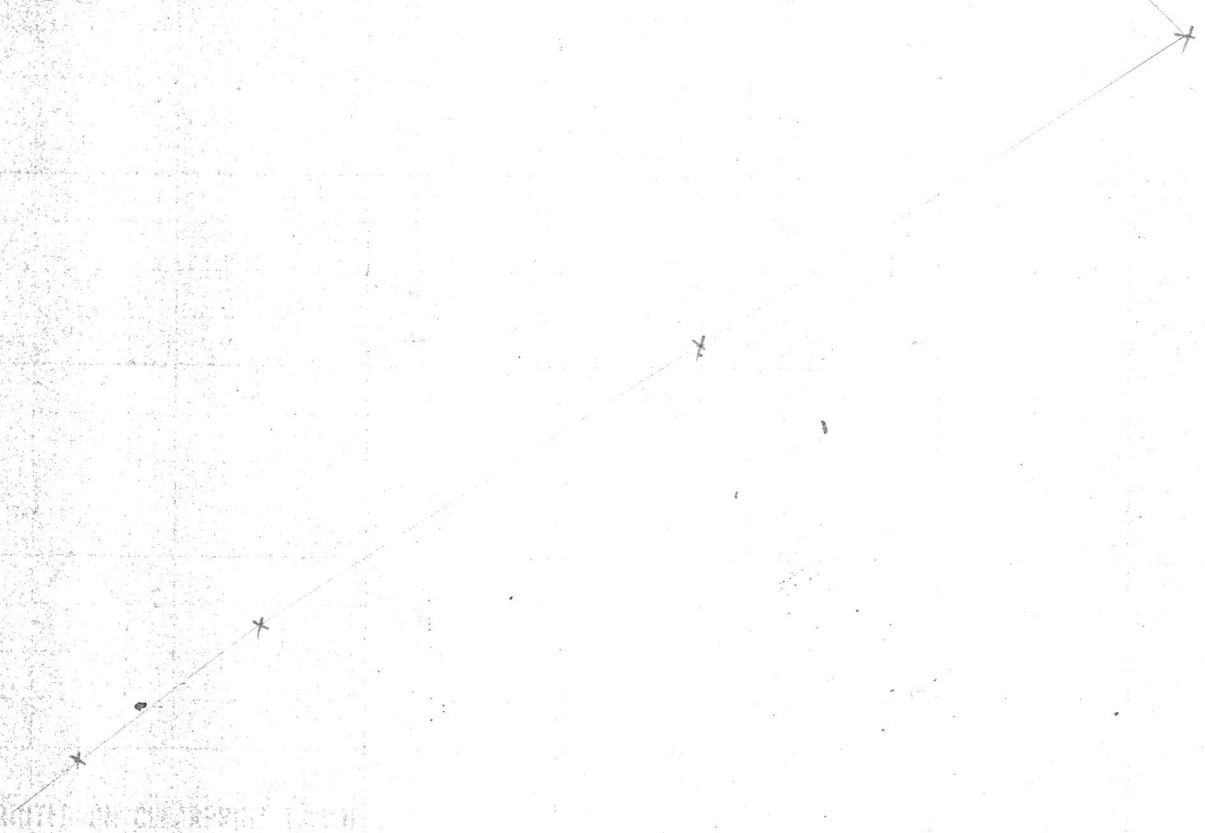
L = 6.508



22.86
60.96
91.44
106.68

1:500
PLAN

Instrument placed backward – minus 180° for Azimuth



BY [illegible] DATE 15 May 76 SUBJECT Dip & Bearing SHEET NO. 1 OF

CHKD. BY DATE Survey — Hole #U-79 JOB NO.

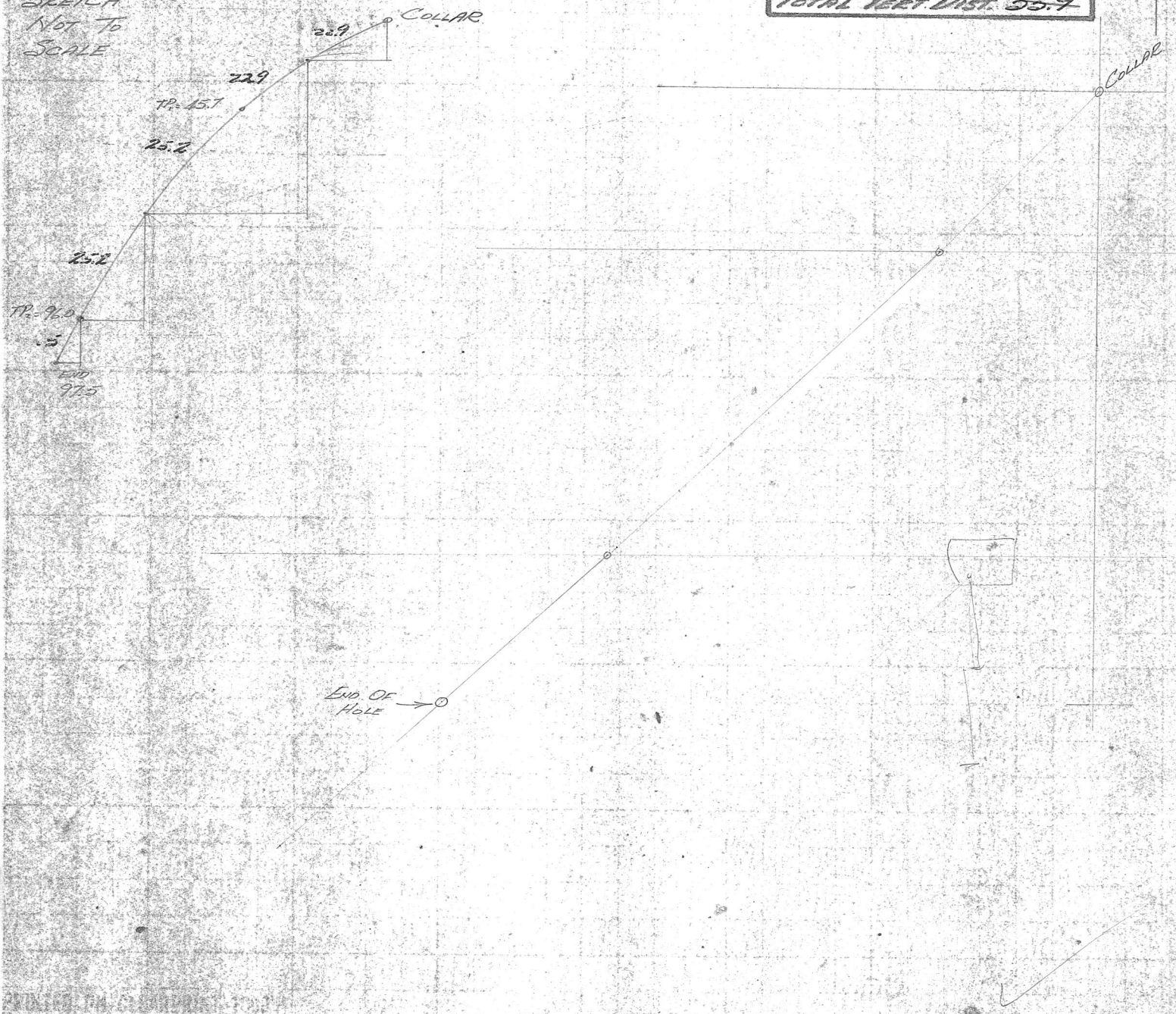
(975m)

corrected by F. L. Dec 28/76

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP	VERT. DIST.	ELEV.	FOOTAGE
COLLAR	~~N 44° E~~	~~044~~	~~218° 225°~~ ~~221°~~	~~-29° 51'~~ ~~-30°~~	22.9 ✓	.86603 ✓	19.83	.5.000 ✓	11.15	COLLAR 1125.11	0
150' = 45.7m	S 15° W	195°	221°	-35°	48.0' ✓	.81915 ✓	39.10	.57358 ✓	27.59	1113.66	22.9
345' = 96.0	S 16° W	196°	228°	-11°	25.2 ✓	.75471 ✓	19.02	.65604 ✓	16.53	1086.07	~~70.9~~ 97.6
320' = 97.5m	S 16° W	196°	228°	-11°	~~1.32~~ 0.5	.75471 ✓	~~0.38~~	.65604 ✓	~~0.33~~		
					~~26.67~~ 25.7		~~+0.40~~ +0.13		~~+0.05~~ +0.08	8.57 1069.21	~~97.6~~ 97.7
							TOTAL VERT. DIST. ~~55.9~~				

SKETCH NOT TO SCALE



Field Dir.

Checked & Corr by J-C Nov. 19/76
plotted on PLAN & SEC (vert)
(print)

BY J.H. DATE

CHKD BY DATE

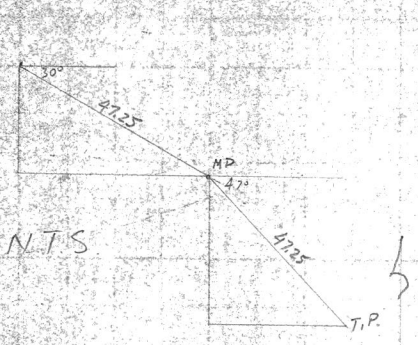
SUBJECT Dip & Bearing Survey — Hole # U-86

SHEET NO. OF

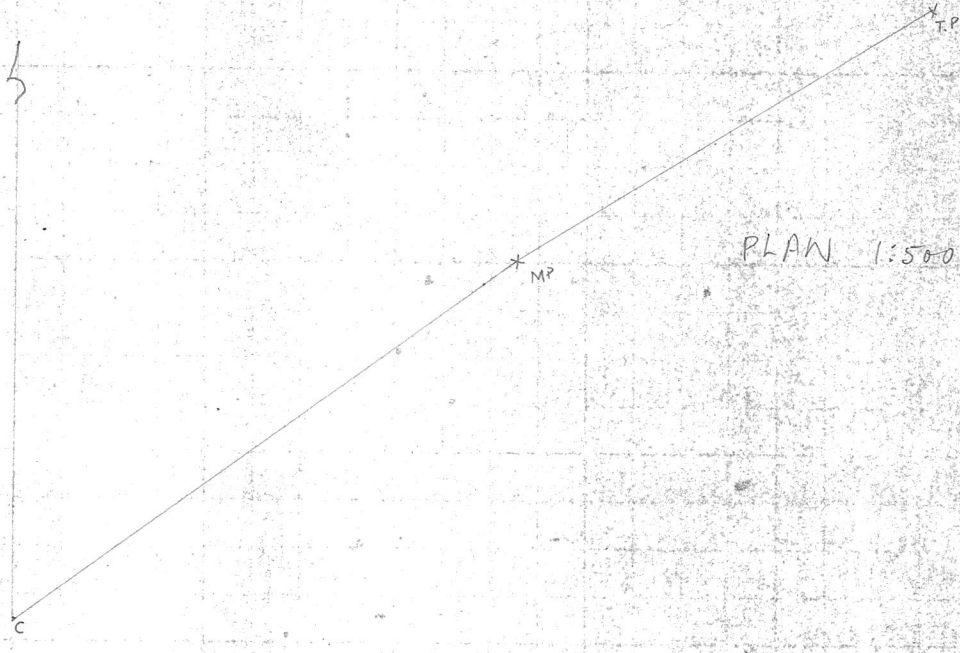
JOB NO.

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip	Vert. Dist.	E.L.E.V.	Footage
									collar =	1153.99	00
COLLAR	—	—	~~41°12'~~ 044 47"	~~-31°12'~~ -30	147.25	~~.85537~~ .86603	~~40.41~~ 40.12	~~.51800~~ .50000	~~23.63~~ 23.63	1129.52	47.24
310°	N16E	016	048 ✓	-47° ✓	47.25	.68200 ✓	32 22 ✓	.73135 ✓	34.56 ✓	1094.97	34.5 End of Hole
									59.02		
								TOTAL VERT. DIST.	~~58.19~~		



NTS

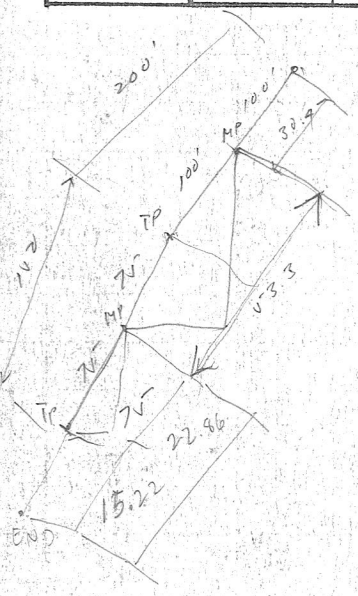


PLAN 1:500

BY A.Y.P DATE June 3, 1971 JECT. Dip & Bearing SHEET NO. OF
CHKD. BY DATE Survey — Hole #U-15 JOB NO.

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist.
Collar	—	—	224	-50	30.4	0.642	19.51	.766	23.28
200' 60.9 m	S15W	195	227	-56	53.3	0.559	29.79	.829	44.1
350' 106.68	S14W	194	226	-60	(22.86)	0.500	(11.43)	.866	(19.7)
					38.08		19.04		~~32.08~~ 32.97
							Total Vert. Dist.		



121.9-L

BY J.H DATE MAY 28 SU CT DIP & BEARING SHEET NO. OF

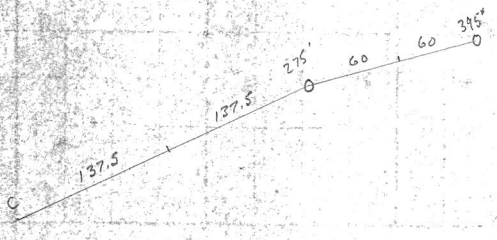
CHKD. BY DATE SURVEY — HOLE # U-96 JOB NO.

Chuck 12.19

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
COLLAR			224°	19 - 27 +20°	137.5 (41.9)	.93969	129.2 (39.4)	.34202	47.0 (14.3)
275'	N13E	013	(45) 225°	+17°	197.5 (60.2)	.95630	188.9 (57.6)	.29237	57.7 (17.6)
395'	N16E	016	(48) 228	+15°	60 (18.3)	.96593	(19.1) 58.0	.25882	(5.12) 15.5
					395.0				
							TOTAL VERT. DIST.		

PLAN 1" = 100'

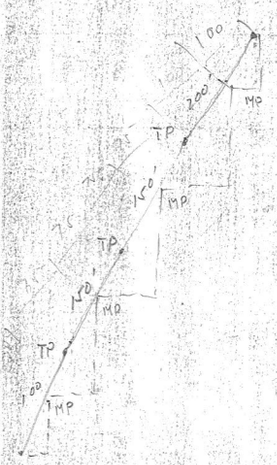




BY L.B. DATE June 14/71 SUBJECT DIP & BEARING SURVEY — HOLE # U-99 SHEET NO. 1 OF
CHKD. BY DATE June 16/71 JOB NO.
A.Y.P.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST. M	SINE DIP.	VERT DIST. M	
Collar	—	~~217°15' 13"~~	224	~~-62~~ -60°17'	100' 30.48	~~0.46947~~ 0.49560	~~14.31~~ 15.08 V	~~0.88295~~ 0.86890	~~26.91~~ 26.48	26.48
200' 60.96M	S 06W	186	218	-68	175' 53.34	0.37461	19.98 34.29	0.92718	49.45	-76.36
350' 106.6	S 11W	191	223	-73	150' 45.72	0.29237	13.36 47.65	0.95630	43.72	-120.08
500' 152.4	S 10°W	190	222	-76	125' 38.1	0.24192	9.2 56.86	0.97030	36.96	-157.04
600 182.8	S 02W	182	214	-79	50' 15.2	0.19081	2.90 59.76	0.98163	14.92	-171.96
							TOTAL VERT. DIST.		171.96	



1:500 PLAN

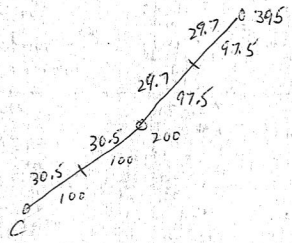
182.9 10.96

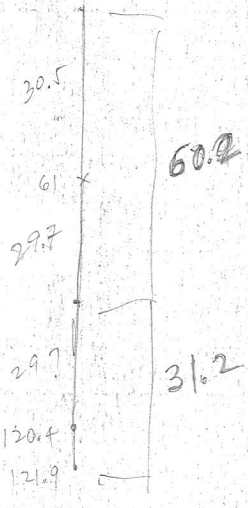
BY J.H. DATE June 4 SUBJECT Dip & Bearing SHEET NO. OF

CHKD BY DATE Survey — Hole # U-100 JOB NO.

Table #1: Correlation Of Field Data:

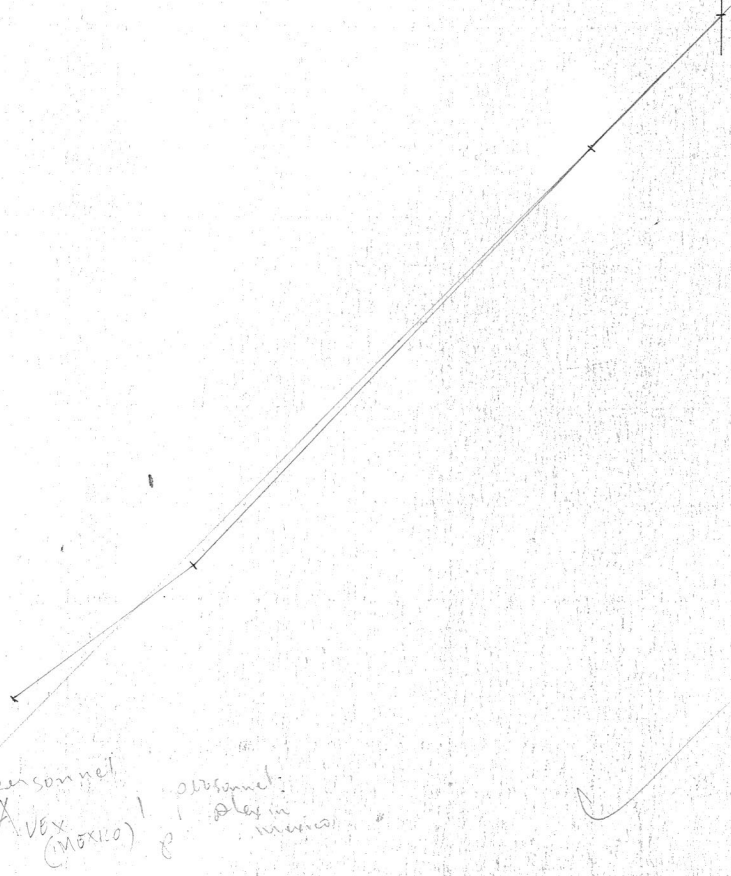
Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip	Horiz Dist.	Sine Dip	Vert Dist.
Collar			222-30' 224° 30'	35-10 +36°	30.5 100'	.81748 .80902	24.9 24.7	.576 .58779	17.5 17.9
200 61.0	N11E	011°	043 223°	+33°	60.2 197.5'	.83867	50.5	.54464	32.8
395 120.4	N21E	021°	053 233°	+37°	31.2 29.7 47.5' 120.4 395.0	.79864	24.92 23.7	.60182	18.7 17.9
								Total Vert Dist.	68.6





PLAN
1:100

121.9



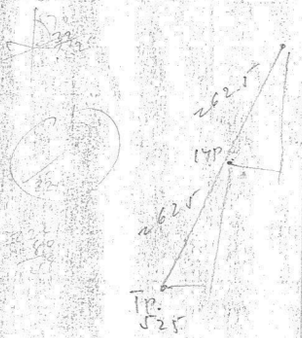
personnel
IVEX (MEXICO)
assessment
plan in

BY _____ DATE _____ SUBJECT Dip & Bearing SHEET NO. _____ OF _____

CHKD. BY _____ DATE _____ Survey — Hole # U-101

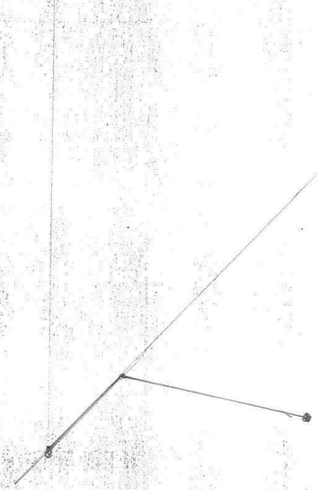
Table #1: Correction of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist.
Collar	—	—	044	-85	2625 80.01m	.08716	6.97	0.99619	79.70
5251 160.02	N70E	70	102	-80	80.01m	.17365	13.89	0.98481	78.79
							Total Vert. Dist.		



PLAN
1:500

Plan — questionable
Instrument
broke-off
during test



1

BY [illegible] DATE June 25, '76 SUBJECT Dip & Bearing SHEET NO. ... OF ...

CHKD. BY ... DATE ... Survey — Hole # U-~~103~~ JOB NO. ...

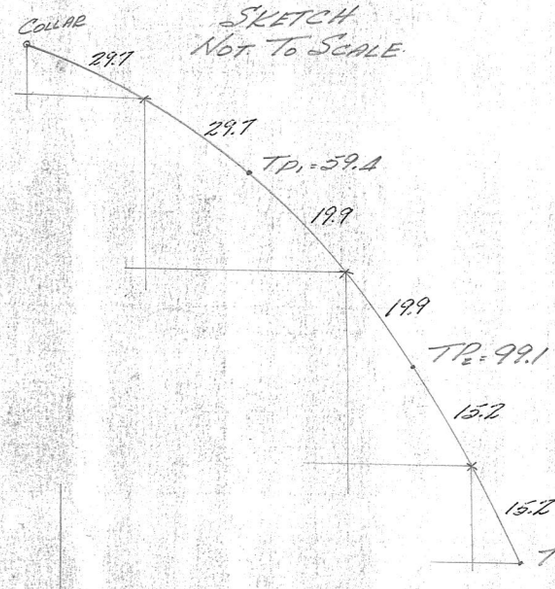
U-103

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist.
Collar	~~N-44°-E~~	42°19'48"	~~44°~~	46-A2 (~~50°~~)	29.7	(~~.6427~~ .6862)	20.38 ~~19.1~~-19.1	(~~.7660~~ .72737)	21.6 ~~22.8~~-22.8
195' = 59.4	N-21°-E	N-56°-E	56°	-59°	19.6	.51504	25.5-~~14.6~~	.85717	~~12.5~~-~~65.3~~
325' = 99.1	N-38°-E	N-60°-E	60°	-62°	35.1	.46947	16.5-61.1	.88295	31.0-~~96.3~~
425' = 129.5	N-35°-E	N-67°-E	67°	-63°	15.2	.45399	6.9-68.0	.89101	13.5-~~109.8~~
								Total Vert. Dist. ~~109.8~~	

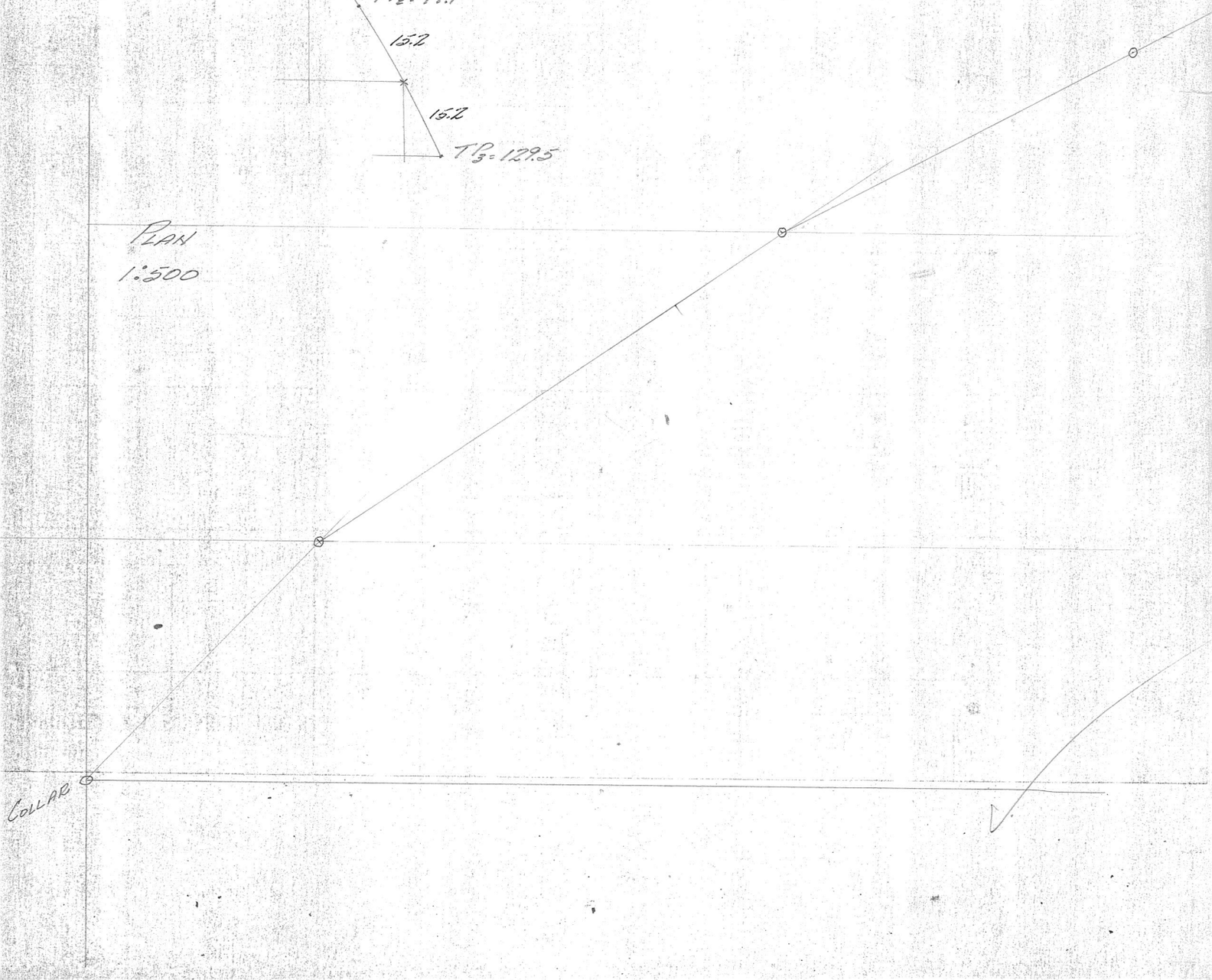
79.3

Sketch
Not To Scale



129.5

Plan
1:500



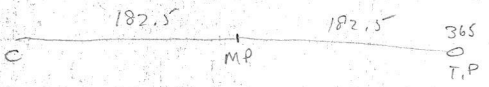
BY J.H DATE June 8/76 SUBJECT Dip & Bearing Survey — Hole # U-106 SHEET NO ... OF ...

CHKD. BY ... DATE ... JOB NO ...

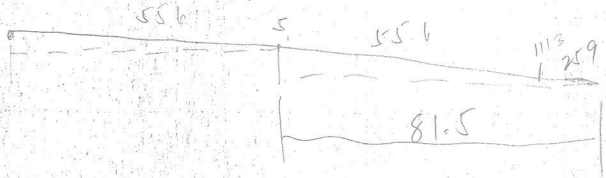
450'

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert. Dist.
C			044 096	0	182.5 (55.6)	1	182.5 (55.6)	0	0
365' (111.3)	—	—	044 ?046	-01°	182.5 (55.6)	.99985	182.5 (55.6)	01745	3.2 (1.0)
					(81.5m)		81.48		1.4
							Total Vert Dist.		3.2 (1.0)



137.2



BY D.P DATE PROJECT DIP & BEARING SHEET NO. OF

CHKD BY DATE SURVEY — HOLE # U-109 JOB NO.

SECTION 78W (116.7m)

Survey Instrument upside down, use compliment angle.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST (10.64)	SINE DIP.	VERT. DIST 14.14 Cum.	ELEV	FOOTAGE
Collar	044	~~044~~	044 (38-43)	+52 (53-40)	57.5 - 17.5	.616 (.5925)	10.78	.788 (.80558)	13.79	1127.59	0
115' - 35.1	S2°W	182	214 (34°)	32+58	107.5 - 32.8	.848	27.8 17.35	.530	17.38	1169.50	50.30
215' - 66.5	S1°E	179	211 (31)	28+62°	100' - 30.45	.883	26.9	.469	14.3	1196.39	80.75
315' - 96	S1°E	179	211 (31)	25+65°	50' - 15.25	.906	13.77	.423	6.4	1210.21	96.80
END @ 116.7			31°	+65°	20.7	0.4226	8.75 (15.19)	0.90631	18.76	1228.97	116.7

TOTAL VERT DIST. 51.9

Azi. 38°43'51"

Uphole minus 180 − 90

.5299 17.38 N .84805 ~~14.87~~ 27.8

.4695 14.89 .88295 ~~28.90~~ 26.93

.4226 (6.42) .90631 (13.77)

15.17 32.53

116.7

SCALE 1:500

45.5

15.2

96

20.7

35.9

116.7

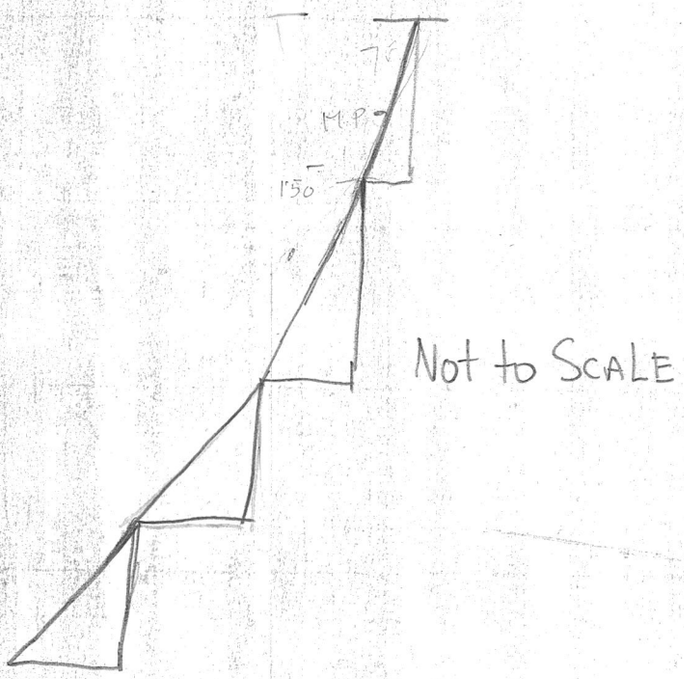
BY D.P DATE SUBJECT DIP & BEARING SURVEY — HOLE # U-111 SHEET NO. OF

CHKD. BY DATE JOB NO.

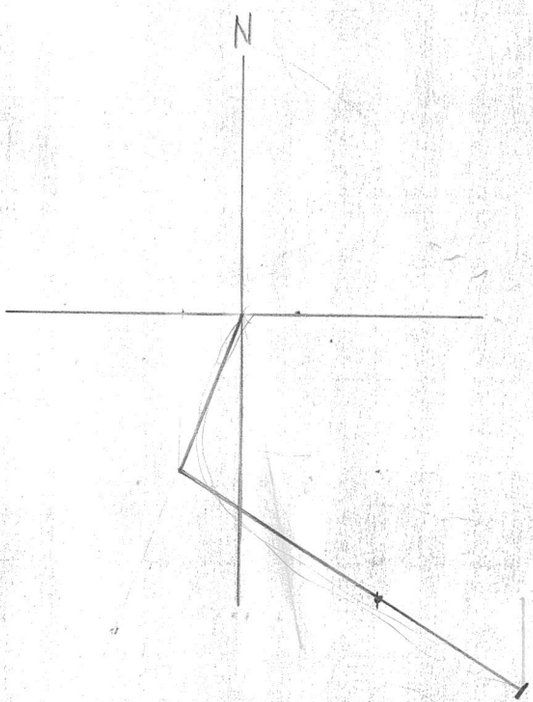
SECTION: 70W 6N

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
collar	—	—	—	-90	75'-23	0	0	1	23
150'-46	S10°E	170	202	89	150'-46	.0175	.8	.999	46
300'-91	S90°E	090	122	86	126'-38	.0698	2.7	.998	38
403'-123	S90°E	090	122	83	51'-15.5	.1219	1.9	.993	15.4
							TOTAL VERT DIST.		122.4



Not to SCALE



SCALE 1:100

122.8

BY DP. DATE SUBJECT Dip & Bearing SHEET NO. OF

CHKD. BY DATE Survey — Hole # U-119 JOB NO.

SECTION 2N

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP 90°	DIST	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
Collar	—	—		[redacted]					
340'	N30E			88°					
							TOTAL VERT DIST.		

Due to the slight dip it's Not WORTH PLOTTING!

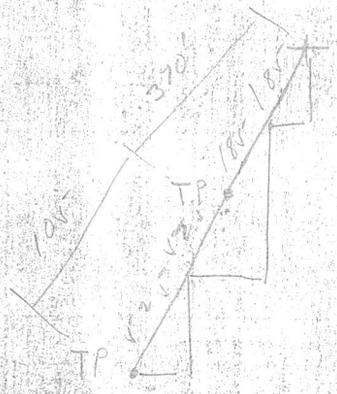
Checked by JG. Nov. 23/76 Field File
Plotted on Plan (plan-T)
" " X-S (m.)

BY LB DATE 7/2/76 SUBJECT Dip & Bearing 126 SHEET NO ____ OF ____
CHKD. BY A.Y.P DATE ____ Survey — Hole # U-126 JOB NO. ____
(144.8m)

* Layout Brg + Dip.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.
Collar	224	—	*224 ✓	*-60 ✓	56.3	0.5	28.15	0.866	48.75	1138
370 112.7m	S15W	195	227 ✓	-68	72.39	0.3746	27.12 27.06	0.927	67.10	1089.3
475 144.7m	S15W	195	227 ✓	-68	16.0	"	5.9	"	14.83	1022.1
										1007.3
							(61.17)			
							TOTAL VERT. DIST.		130.6	

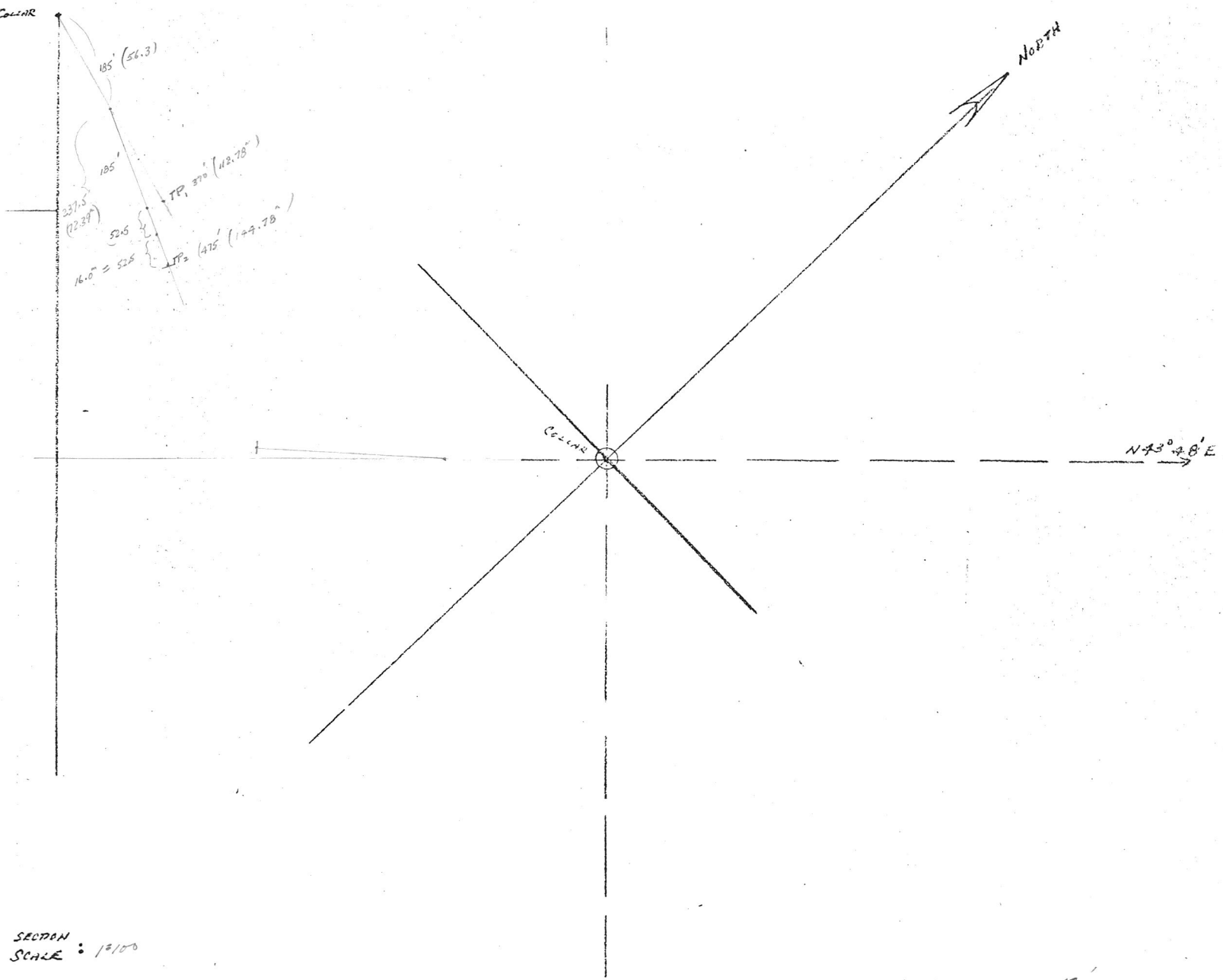


BY: DATE: FOR: DIP & BEARING SURVEY — HOLE # U-146 SHEET NO. OF

CHKD BY: DATE: JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT DIST.	ELEV.
							TOTAL VERT DIST.			



SECTION SCALE: 1"/100

PLAN SCALE: 1"/100'

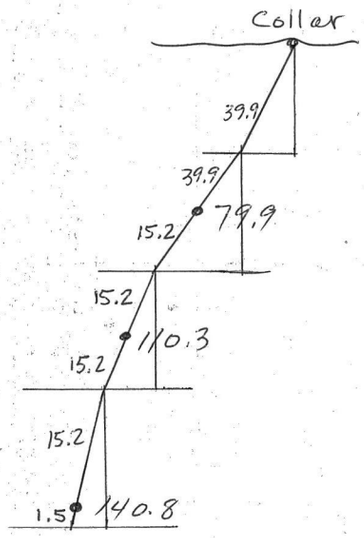
Field Sht. 2

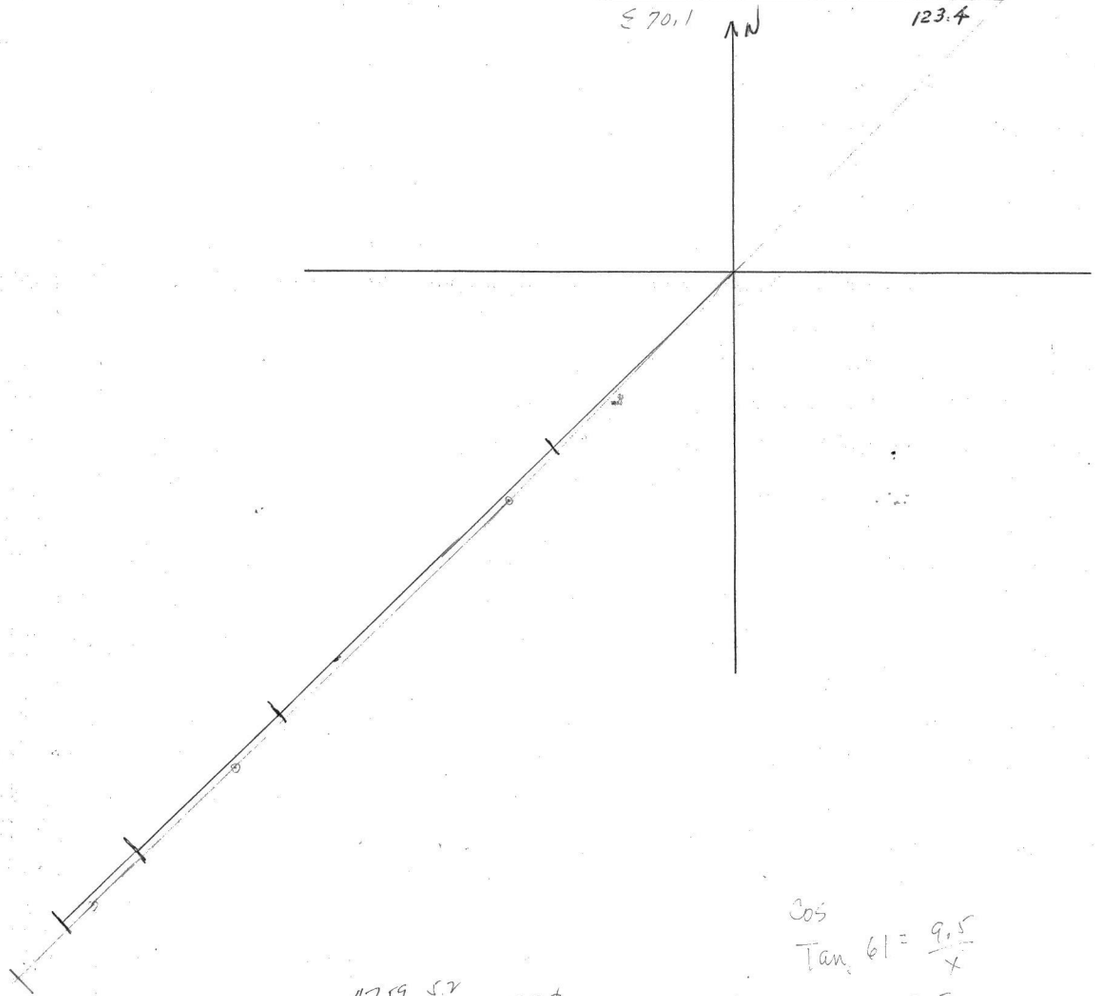
BY ..... DATE ..... SUBJECT Dip & Bearing SHEET NO. ..... OF .....
CHKD. BY ..... DATE ..... Survey — Hole # U-129 JOB NO. .....
(142.3m)

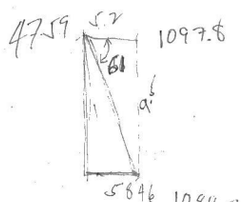
checked OK. 7/6 Oct. 14/76

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip	Horiz Dist.	Sine Dip	Vert Dist.	Elev.	Footage
										1137.6 Coll.	0
Collar			224°	-56	39.9	0.5592	22.3	0.8290	33.1	1104.5	39.9
262' 79.9m	S14W	194	226°	-61	55.1	0.4848	26.7	0.8746	48.2	1056.3	95.0
362' 110.3m	S14W	194	226°	-63	30.4	0.4540	13.8	0.8910	27.1	1029.2	125.4
462 140.8	S15W	195	227°	-64	16.7	0.4384	7.3	0.8988	15.0	1014.2 END.	142.(0)3 END HOLE
467 142.3											
									Total Vert Dist.	123.4	







Cos

$\tan 61 = \frac{9.5}{x}$

$x = \frac{9.5}{\tan 61}$

$= \frac{9.5}{1.804}$

$\sin 61 = \frac{9.5}{h}$

$h = \frac{9.5}{\sin 61}$

$= \frac{9.5}{.8746}$

$= 10.86$

BY ____ DATE ____ SUBJECT Dip & Bearing Survey – Hole # U-133 SHEET NO. ____ OF ____

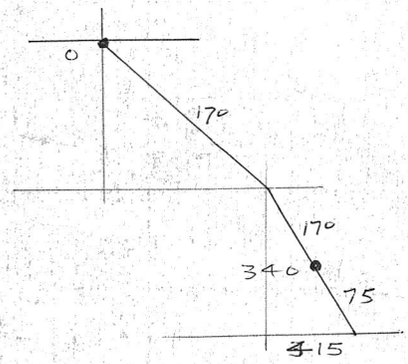
CHKD. BY ____ DATE ____ JOB NO. ____

126.5

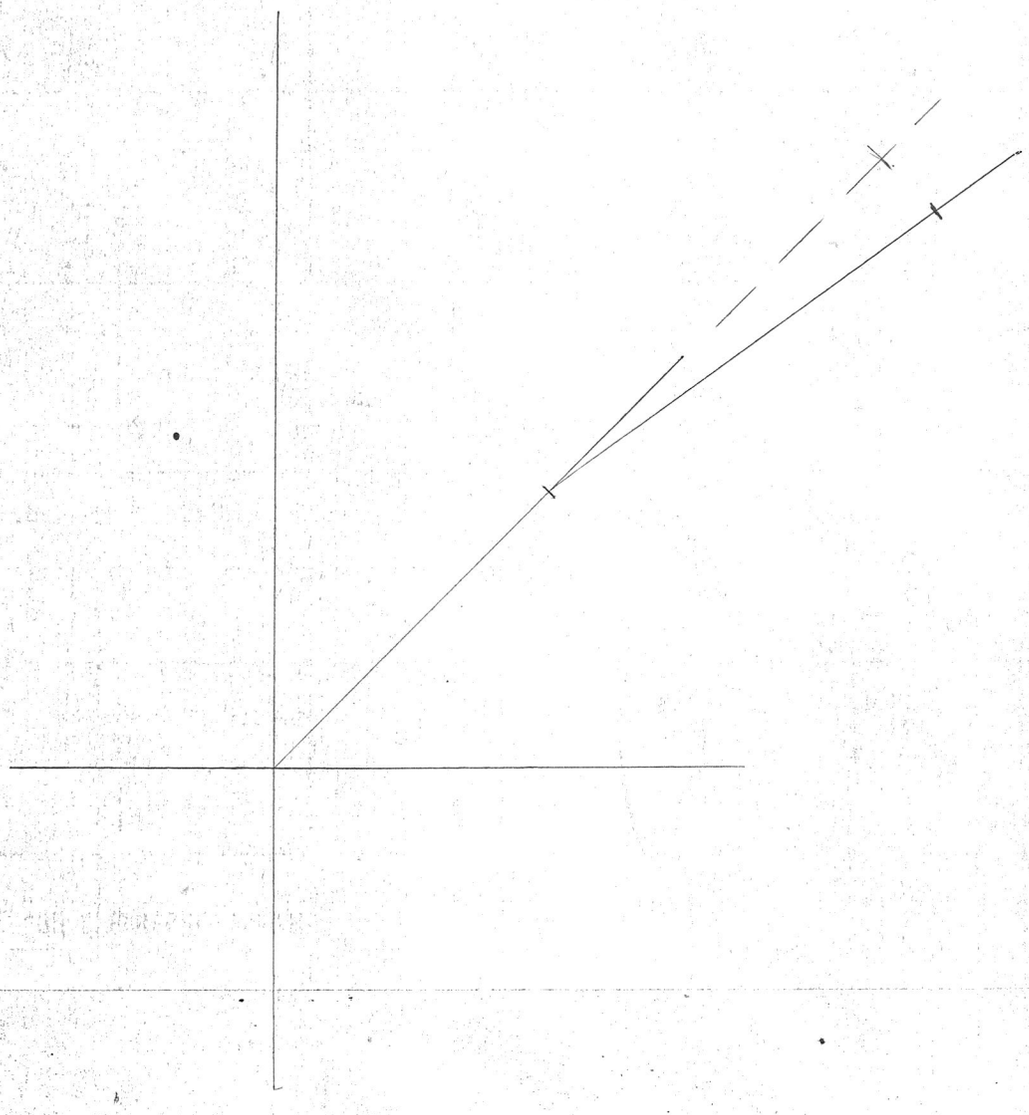
Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert Dist.
Collar	044	044	044	-60	170 51.8	.5000	25.9	.866	44.9
340 103.6	N22E	022	054	-65	245 74.7	.4226	31.6	.9063	67.7
							Total Vert. Dist.		112.6

el: 1160.5



126.5

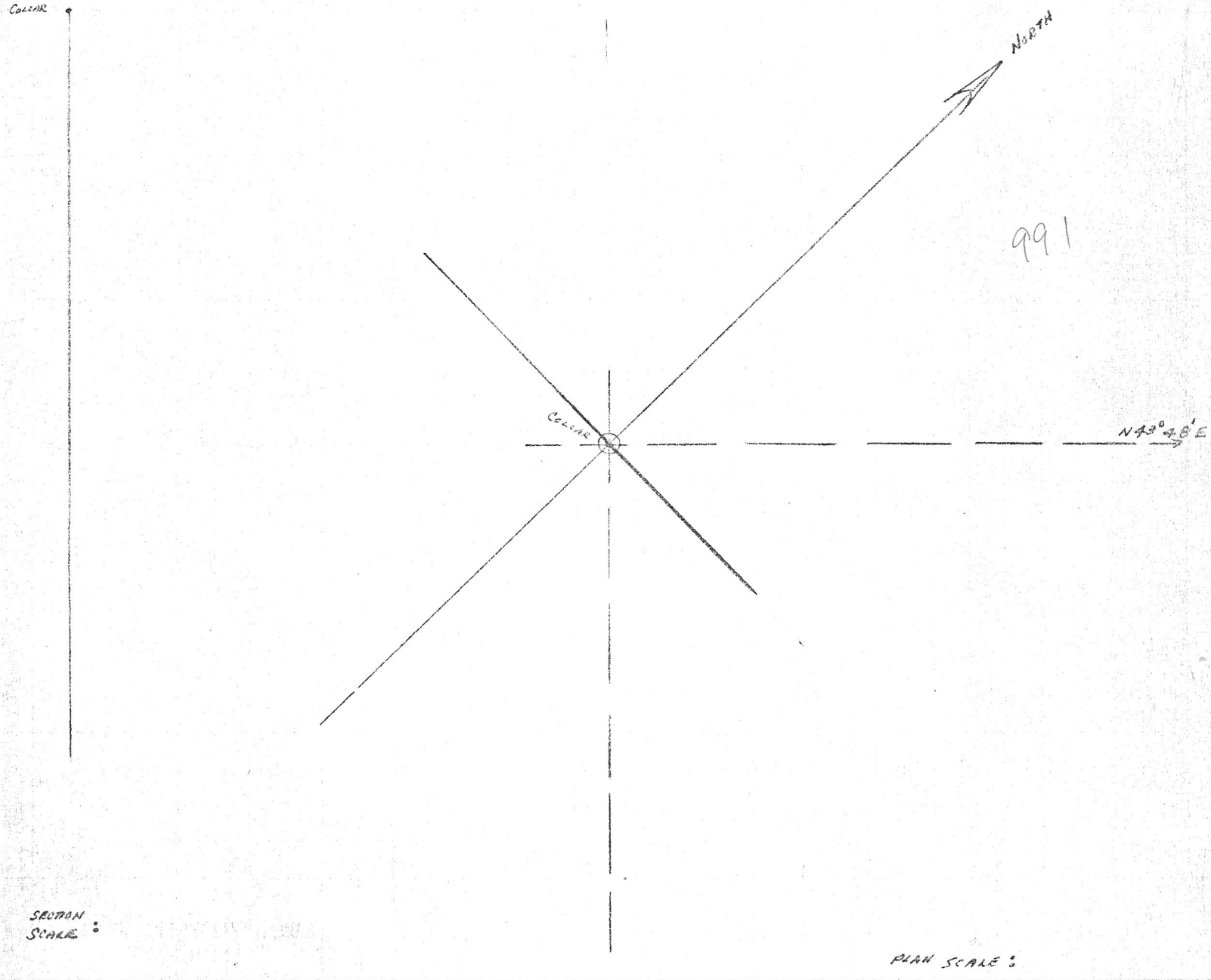


BY ____ DATE ____ SUBJECT Dip & Bearing Survey — Hole # U-134 SHEET NO. ____ OF ____

CHKD. BY JL DATE ____ JOB NO. ____

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist	Cosine Dip.	Horiz Dist.	Sine Dip	Vert. Dist.	Elev.
Collar			42°13'33"	-28°48'	99.1'	0.876	86.8	0.48	47.57	1134.12
End.										1086.55
							Total Vert Dist.			



Section Scale:

Plan Scale:

BY ..... DATE ..... SUBJECT: DIP & BEARING SURVEY — HOLE # U-135 (190.5m) SHEET NO. ..... OF .....

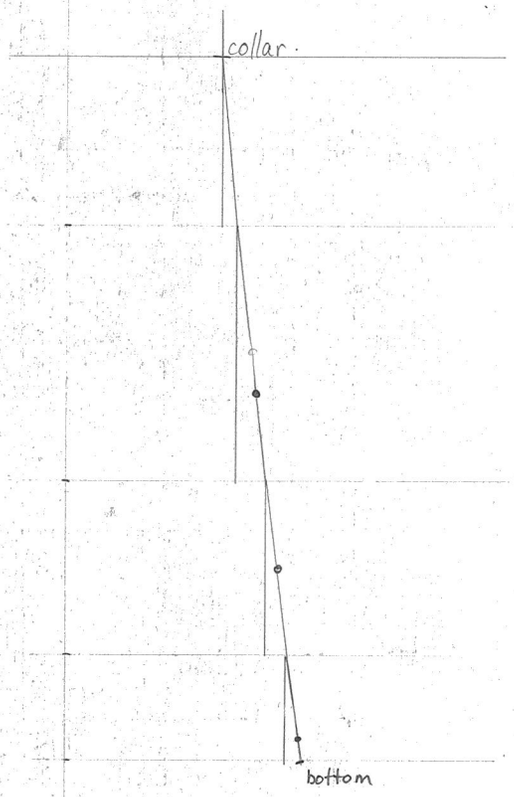
CHKD. BY ..... DATE ..... JOB NO. .....

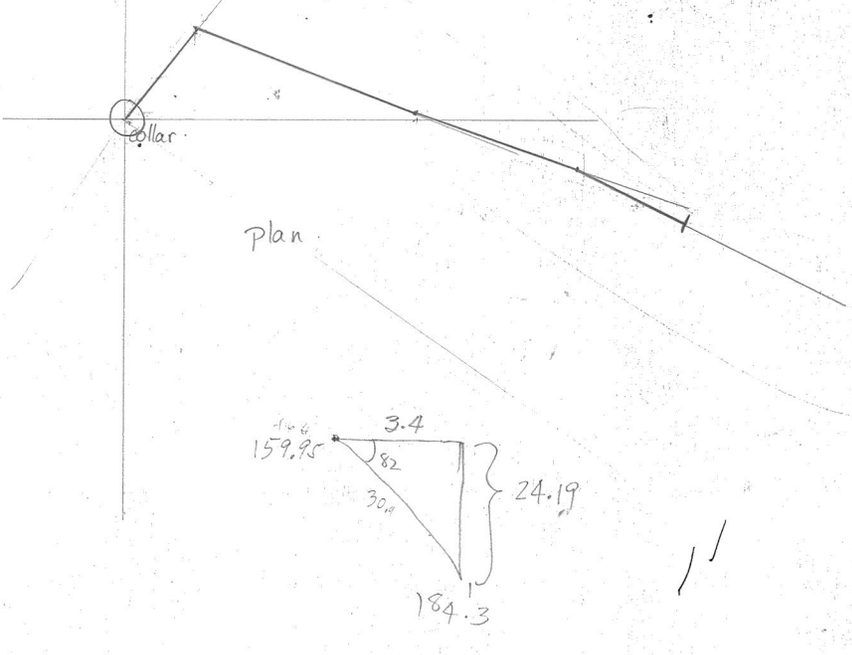
TABLE #1: CORRELATION OF FIELD DATA:

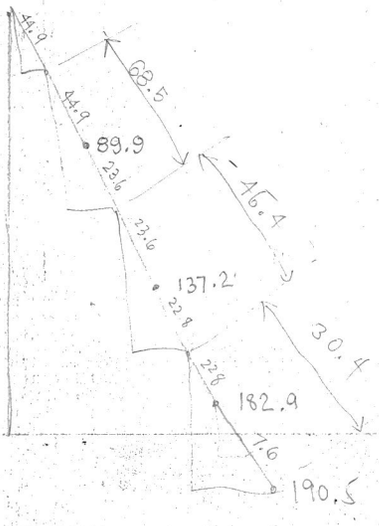
TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST	COSINE DIP	HORIZ. DIST.	SINE DIP	VERT DIST. Colum	ELEV. 1110.88	FROM 0
Collar			44	-85°	44.9 ✓	0.08715	3.9	-0.9962	44.7	1066.18	44.9
295' = 89.9	N 79 E	79°	111°	-83½°	68.55 ✓	0.1132	7.8	-0.9936	68.1	998.08	113.45
450' = 137.2	N 77 E	77°	109°	-83°	46.5 ✓	0.1219	5.7	-0.9925	46.2	951.88	159.95
600' = 182.9	E	90°	122°	-82°	~~29.0~~	0.1392	~~4.0~~	-0.9903	~~28.7~~	921.78	190.35
620' = 189.0					30.4		4.23		30.10		
							TOTAL VERT. DIST.		187.7		

190.5

ADD +3.32 to ELEV.





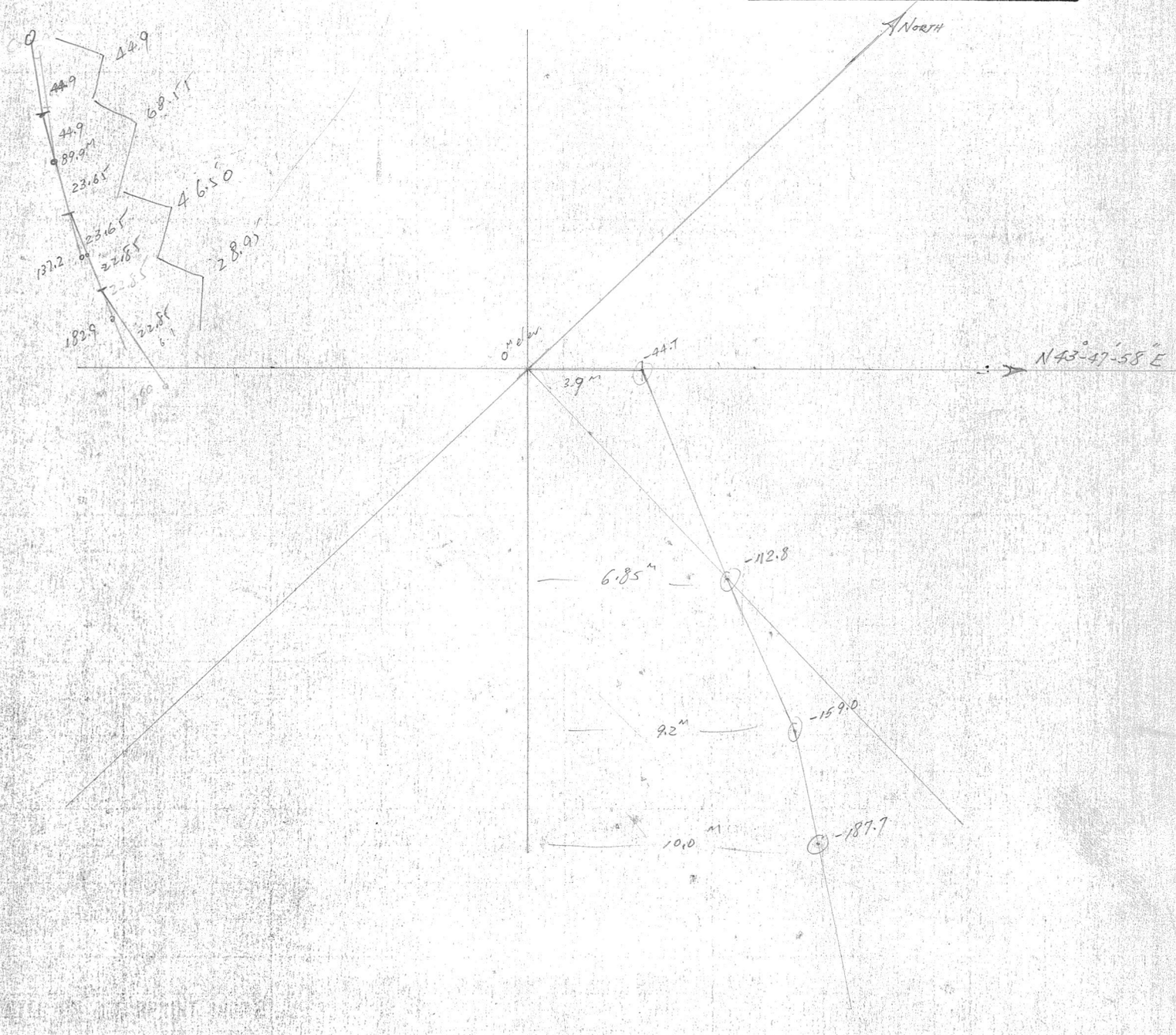


BY ____ DATE ____ SUBJECT Dip & Bearing Survey — Hole # U-135 SHEET NO. ____ OF ____

CHKD. BY ____ DATE ____ JOB NO. ____

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert Dist.
							Total Vert Dist.		



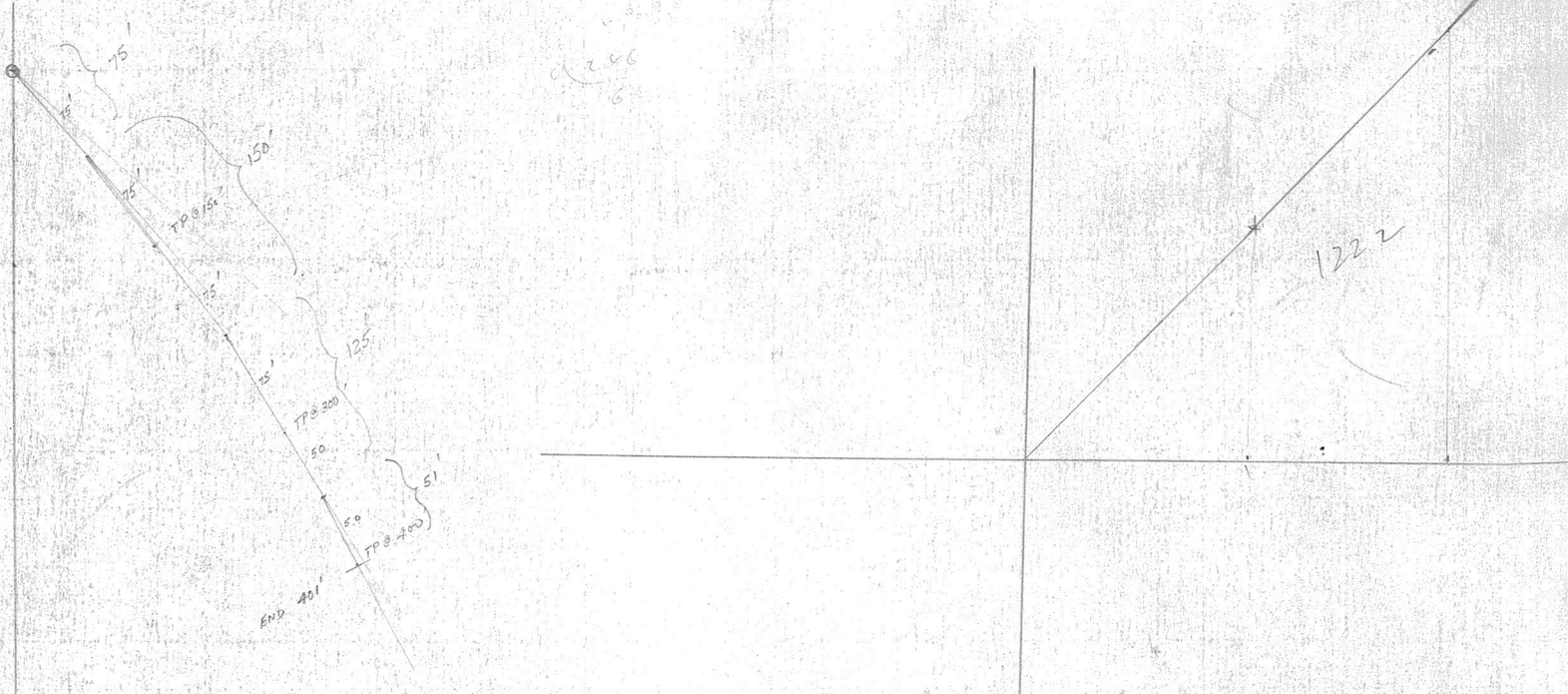
Checked by DP
Plotted on Plan (pg 1)
X-S (")

Field Fdr

BY DP. DATE SUBJECT Dip & Bearing SHEET NO. OF
CHKD BY DATE Survey — Hole # U-138 JOB NO.

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth 47° 15' 16"	Dip -48° 54'	Dist	Cosine Dip	Horiz Dist. 15.05	Sine Dip .7537 ✓	Vert Dist. .26	ELEV.
collar	~~044~~	~~044~~	~~044~~	~~50~~	75'-22.9	~~.643.657~~	~~14.72~~	~~.766~~	17.54	1133.91 Calc. 0 (1116.65 22.9 D)
150'-45.7	N10°E	010	042 ✓	(38)-52°	~~150'~~-45.7	.616 ✓	28.15	.788 ✓	36.01	1080.64 68.6 D
300'-91.4	N9°E	09	041 ✓	(31°)-59°	125-38.1	.515 ✓	19.62	.857 ✓	32.65	1047.99 106.7 D
400'-121.9	N10°E	010	042 ✓	(28°)-62°	50'-15.2	.4695 ✓	7.13⁵	.883 ✓	13.42⁶	1034.53 121.9 D
1 = 0.30			as above	as above	1' = 0.30	"	0.14	"	0.26	1034.27 122.2 Depth
									Total Vert Dist. 99.62⁴	



SCALE 1:500

BY DP DATE SUBJECT Dip & Bearing SHEET NO OF

CHKD. BY DATE Survey — Hole # CI-141 JOB NO.

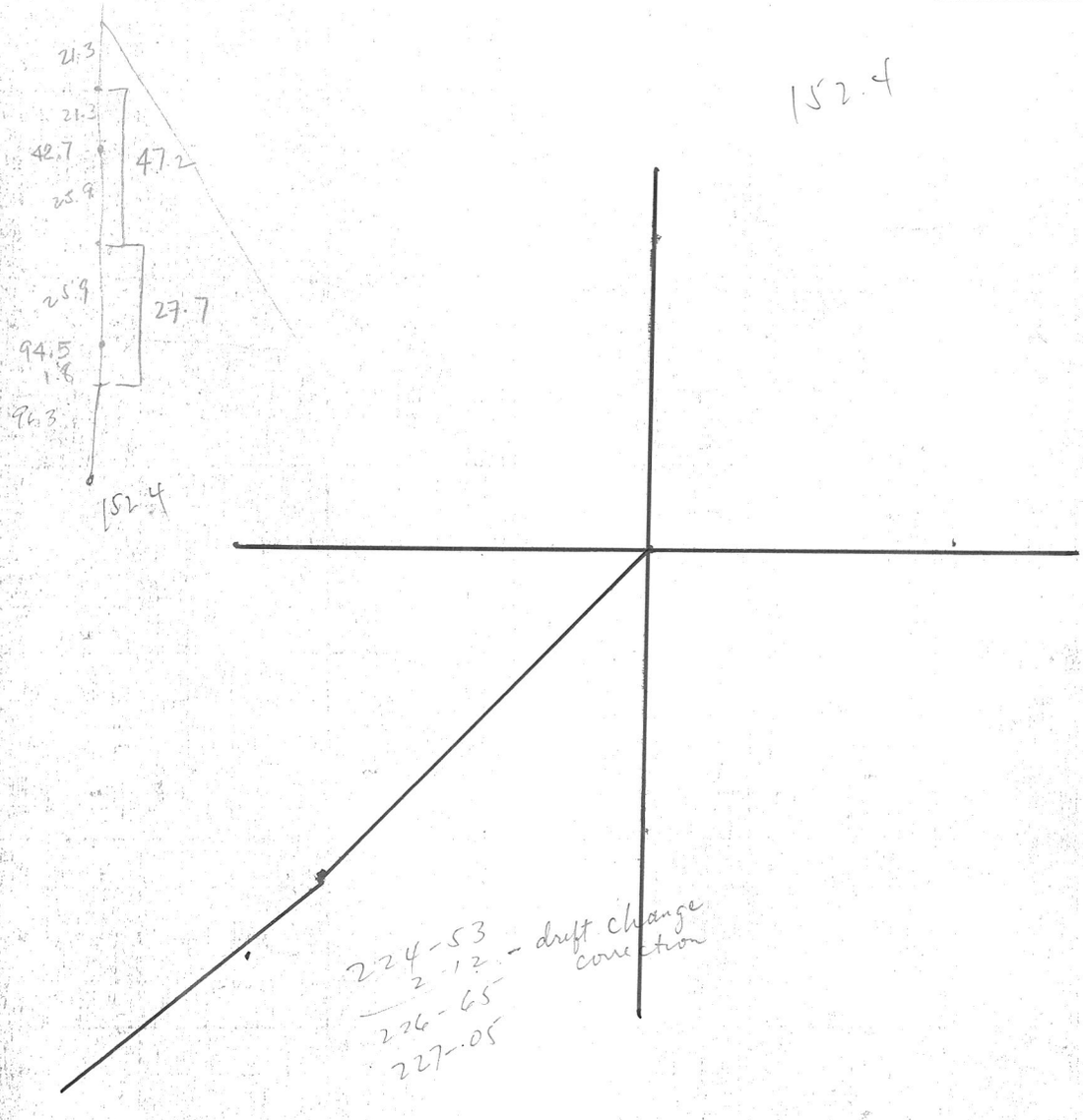
NOTE: STOPPED DUE TO HIGH PRESSURE WATER and SQUEEZING GROUND

TABLE #1: CORRELATION OF FIELD DATA:

1178'

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
collar			224 (0)	0	70'-21.3	1.00	21.3	0	0
140'-42.7	S19°W	199	231	-89°-1°	155'-47.2	.999	47.15	.017	.8
310'-94.5	S26°W	206	238	90-0°	85'-25.9	1.00	25.9	0	0
					27.7		27.7	—	—

TOTAL VERT DIST. .8



BY ..... DATE ..... SUBJECT Dip & Bearing Survey — Hole # U-142 SHEET NO. ..... OF .....

CHKD. BY ..... DATE ..... JOB NO. .....

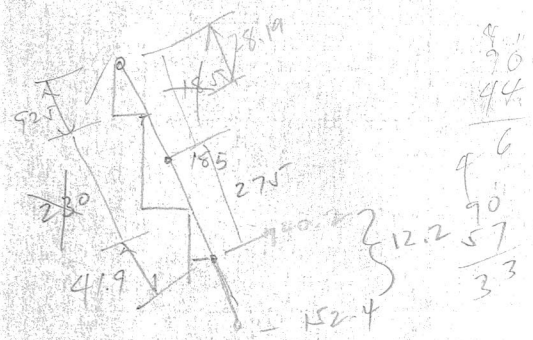
152.4 m
1111.22

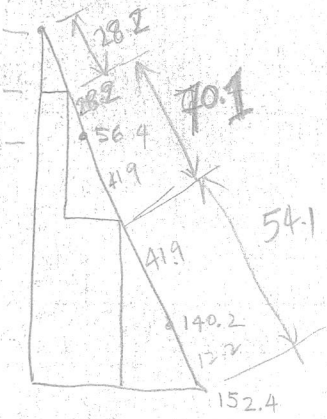
Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip.	Horiz Dist.	Sine Dip.	Vert Dist.
Collar			~~225~~	~~29-33~~ -30	28.19	~~.8699~~ .866	24.41	~~0.4932~~ 0.5	~~13.95~~ 14.10
185-56.4	S13W	193W	225	-33	70.10	.838	58.74	0.544	38.13
460'-140.2	S8W	188	220	-46	~~41.91~~ 54.1	.694	~~29.09~~ 37.5	0.719	~~30.13~~ 38.89

Total Vert Dist. ~~82.36~~

L
28.19
98.29
152.4





Checked

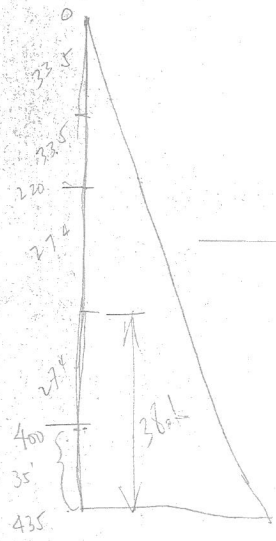
BY ____ DATE ____ SUBJECT Dip & Bearing Survey — Hole # U-143 SHEET NO. ____ OF ____

CHKD. BY ____ DATE ____ JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
Collar	—	—	044 (46)	-25	110 33.5m	0.906	30.35	0.422	14.1
220' 67	N15E	N	047	-34	200 60.9	0.829	50.48	0.559	34.0
400 121.9 1326	N22E	22	054	-44	90 (27.4) 138.1	0.719	19.7 27.4	0.694	19.0 26.4
								TOTAL VERT DIST.	

1177.58



GOVETT

Checked

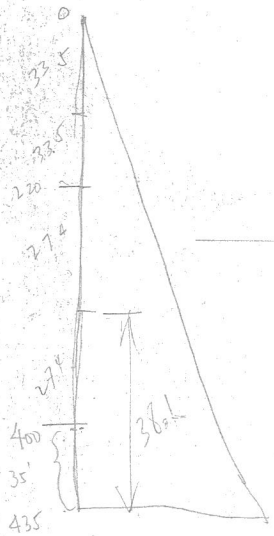
BY ..... DATE ..... SUBJECT Dip & Bearing SHEET NO. ..... OF .....

CHKD. BY ..... DATE ..... Survey — Hole # U-143 JOB NO. .....

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
Collar	—	—	044 (46)	-25	110 33.5m	0.906	30.35	0.422	14.1
220' 67	N15E	N	047	-34	200 60.9	0.829	50.48	0.559	34.0
400 121.9 1926	N22E	22	054	-44	90 (27.4) 138.1	0.719	19.7 27.4	0.694	19.0 26.4
								TOTAL VERT DIST.	

1177.58



GOVETT

Sunday

BY L B DATE Aug 15 SUBJECT Dip & Bearing SHEET NO. OF

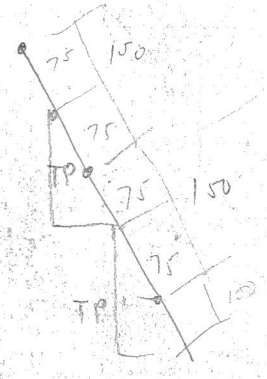
CHKD BY A.Y.B DATE Aug 15 Survey — Hole # U-142 JOB NO.

66W 2N

12/19

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.
Collar			044½	-65	75 22.8	0.422	9.62	0.906	20.6
150 45.72	N276	27	059	23 -67	N3 45.72	0.390	17.8	0.920	42.0
300 91.44	N355	35	067	18 -72	N 22.8	0.309	~~7.04~~	0.951	~~21.68~~
400					111 - 3		16.48	/	50.68
							TOTAL VERT DIST.		



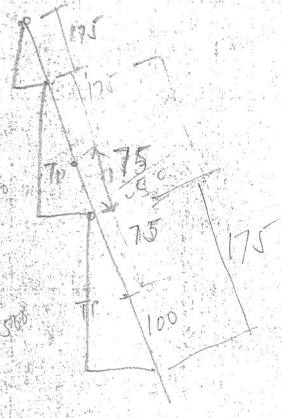
BY ..... DATE ..... SUBJECT Dip & Bearing Survey — Hole # U-149 SHEET NO. ..... OF .....

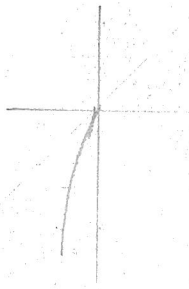
CHKD. BY ..... DATE ..... 80W 80X-CUT 5N+6M JOB NO. .....

600'

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ. DIST.	SINE DIP	VERT. DIST.
Collar	—	—	—	-90	175 53.3	0	0	1	53.3
350 1066	S15E	165	197	-84	350 76.2	0.104	7.92	0.994	75.7
500 1524	S20E	160	192	-83	~~22.8~~	0.121	~~2.76~~	0.992	~~22.62~~
					175 53.3		6.45		52.87
								TOTAL VERT. DIST.	





plan Not on Scale.

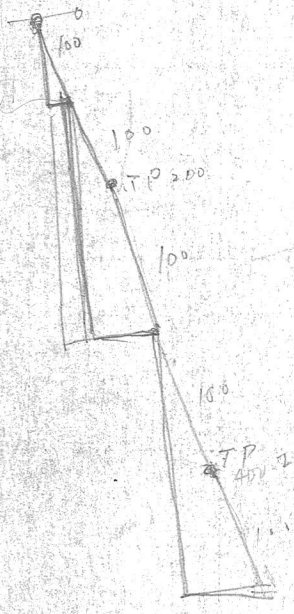
BY _____ DATE _____ SUBJECT Dip & Bearing Survey — Hole # U-150 SHEET NO. _____ OF _____

CHKD BY _____ DATE _____ JOB NO. _____

80W - 2N+21M
REMUCK STA.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST. 8.63	SINE DIP.	VERT DIST. 29.15
Collar			~~214~~ 214-15-10	-73-29 = -75	100 30.4	.2840 0.258	~~7.84~~	0.95882 0.965	~~29.3~~
200'	S5W	185	~~217~~	-77	200 61.0	0.224	13.66	0.974	59.4
400' 121.9	S10E	170	202	-84	200 61.0	0.104	6.34	0.994	60.6
							TOTAL VERT DIST.		149.3



600/3 = 200

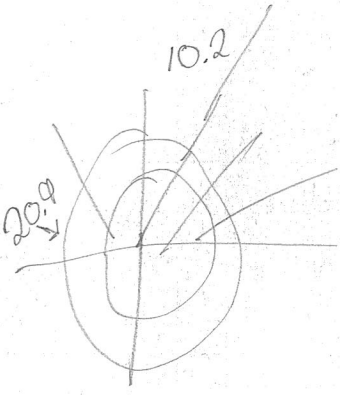
15.1

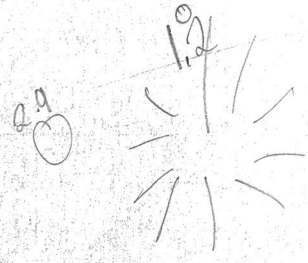
2.2

#2 at 200'

N.W 2.2

L 152.4





2.9

D. PRESTON Aug 27/76

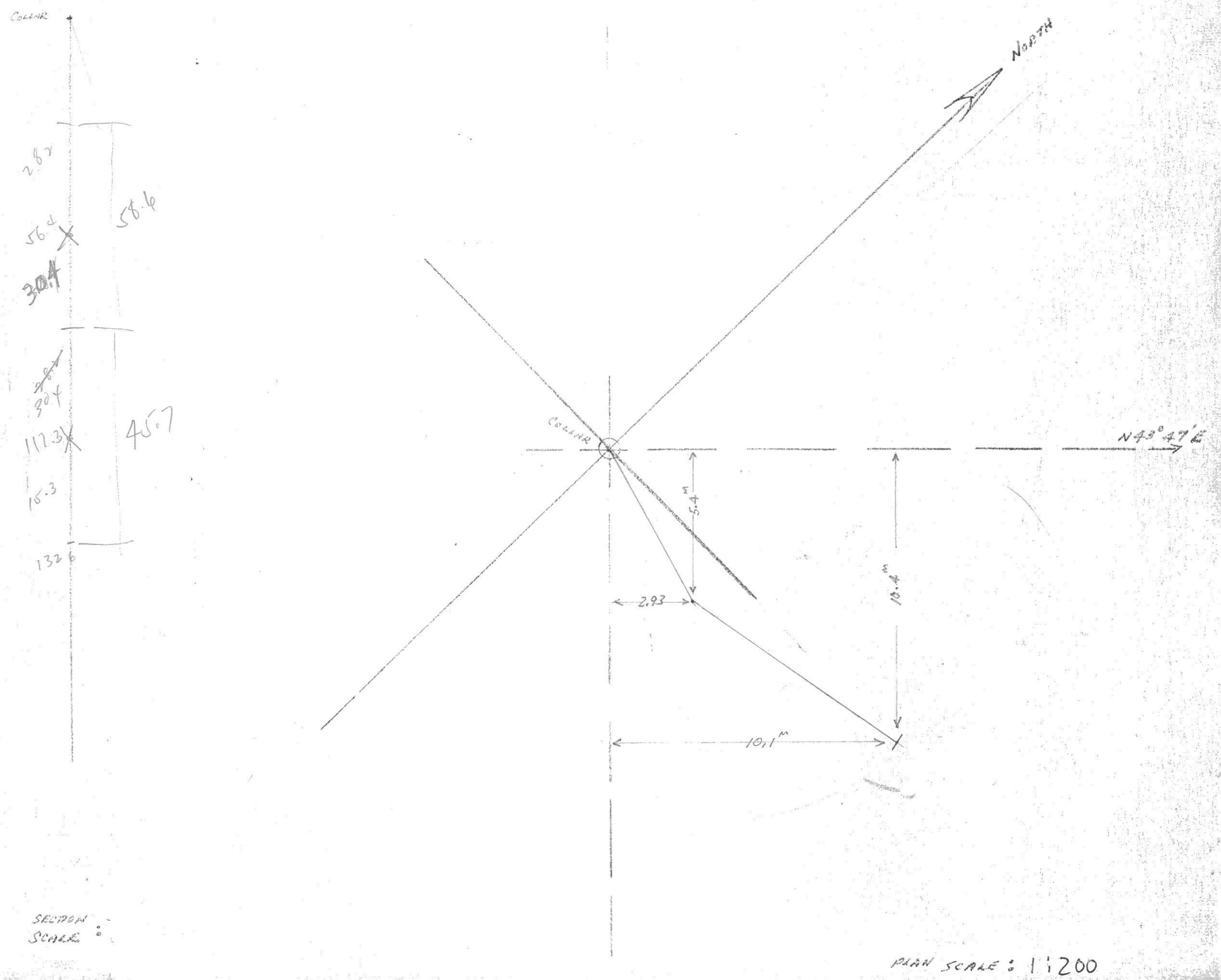
DIP & BEARING SURVEY — HOLE # A1-157
Section 66W 2N

TABLE #1 : CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.	ELEV. C- 1176.5
collar	—	—	—	-90°	28.2	0	0	1	28.2	1148.3
185-~~56.4~~ 58.6	N 73°E	73	105	-84°	58.7	.1045	6.13	.9945	58.4	1089.9
385-117.3	N 47°E	47	79	-79°	45.7	.1908	8.72	.9816	44.9	1045
					END					

TOTAL VERT DIST. 131.5

132.6



SECTION SCALE :

PLAN SCALE : 1:200

BY A.Y.P. DATE SUBJECT Dip & Bearing SHEET NO. OF

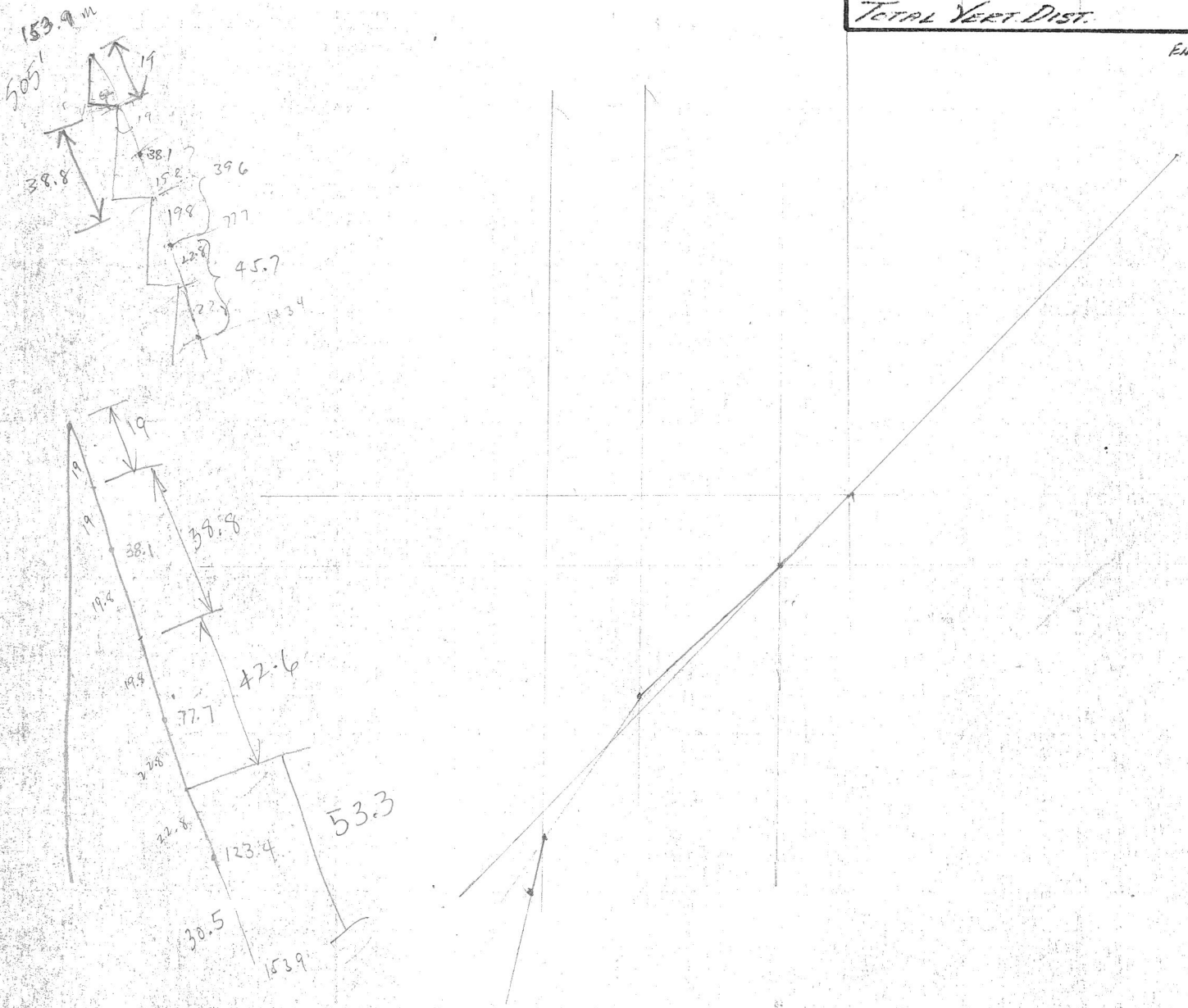
CHKD. BY DATE Survey — Hole # U-162 JOB NO.

3N 82W (153.9m)

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip.	Horiz. Dist.	Sine Dip.	Vert Dist.	
Collar	—	—	224	-65	19.0	0.422	8.0 ✓	0.906	17.2 ✓	19.0
125 38.1	~~S15W~~ S15W		227	24 -66°	38.8	0.406	15.7 ✓	0.913	35.4 ✓	57.8
255 77.7	S 1W		213	-71°	42.6	0.325	13.8	0.945	40.2 ✓	100.4
405 123.4	S 20E	✓	192	14 -76°	~~22.8~~	0.241	~~5.4~~	0.970	~~22.1~~	
					53.3		12.44		51.7	153.1
							Total Vert Dist.			

END 153.9



Dip & Bearing

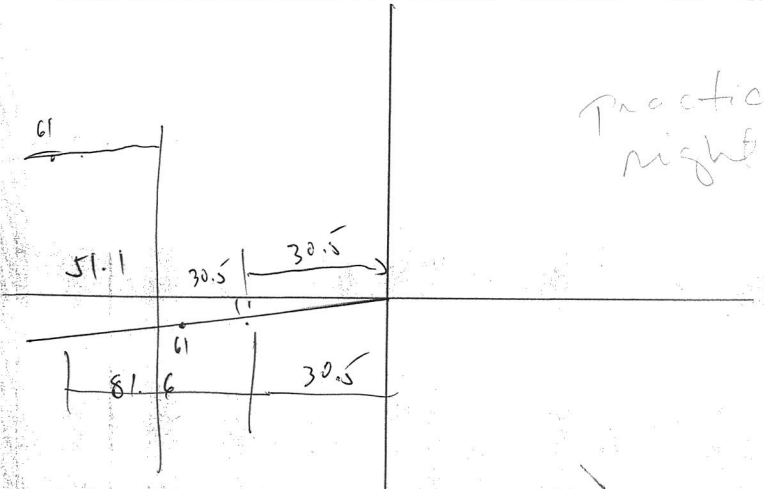
U-163

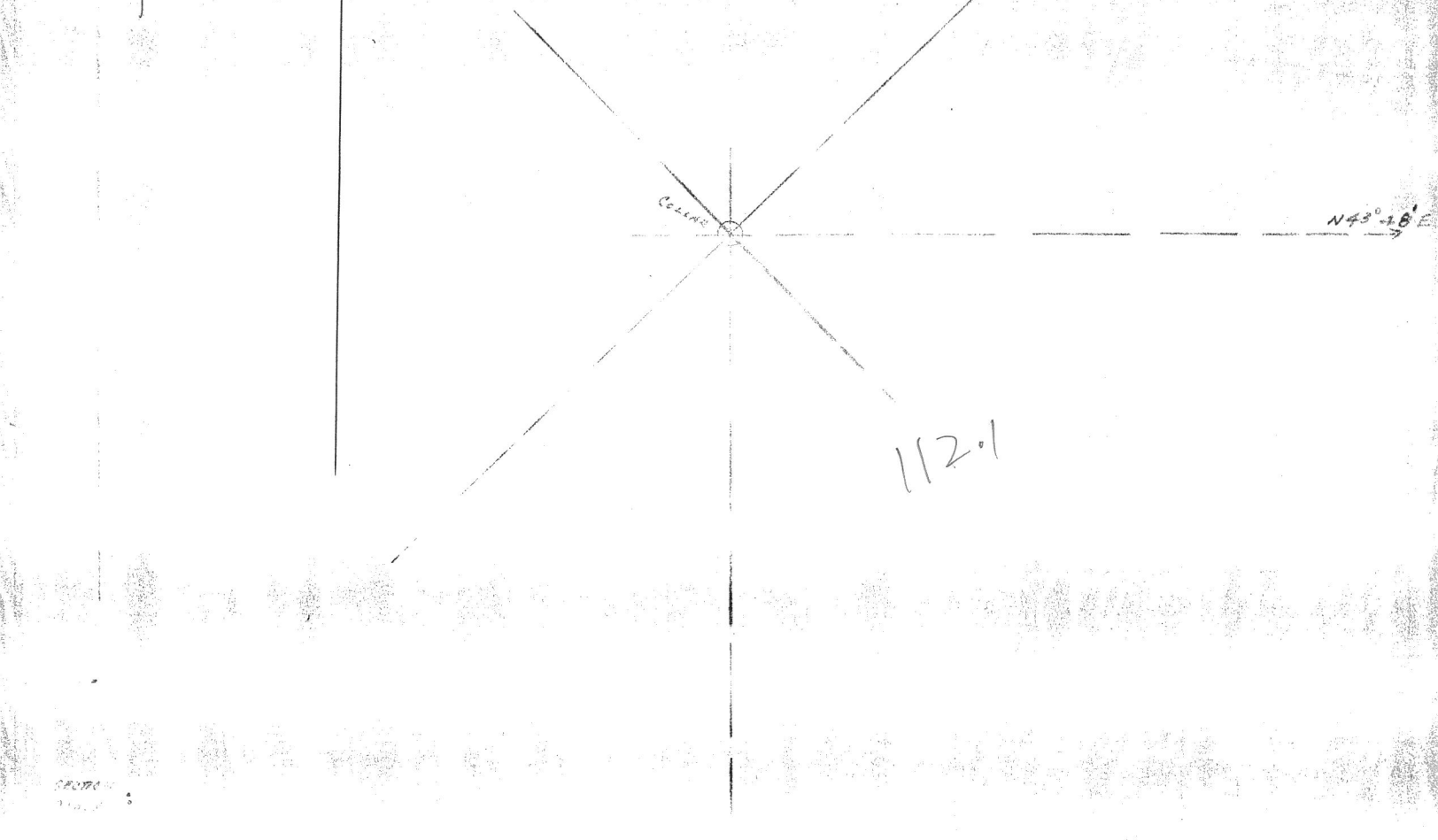
10,528.495
7,781.064
1185.486

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST	Cosine Dip	Horiz Dist.	Sine Dip	Vert Dist.
Collar			224-07'	-1°	30.5	0.99985	30.49	0.0175	0.53
61 m			229	0	81.6	1	81.6	—	—

Total Vert Dist

Practically right on!



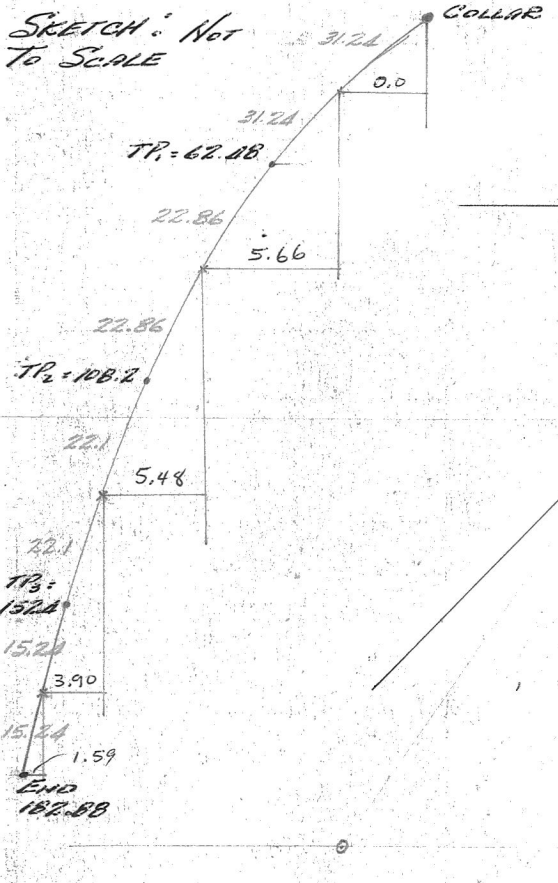


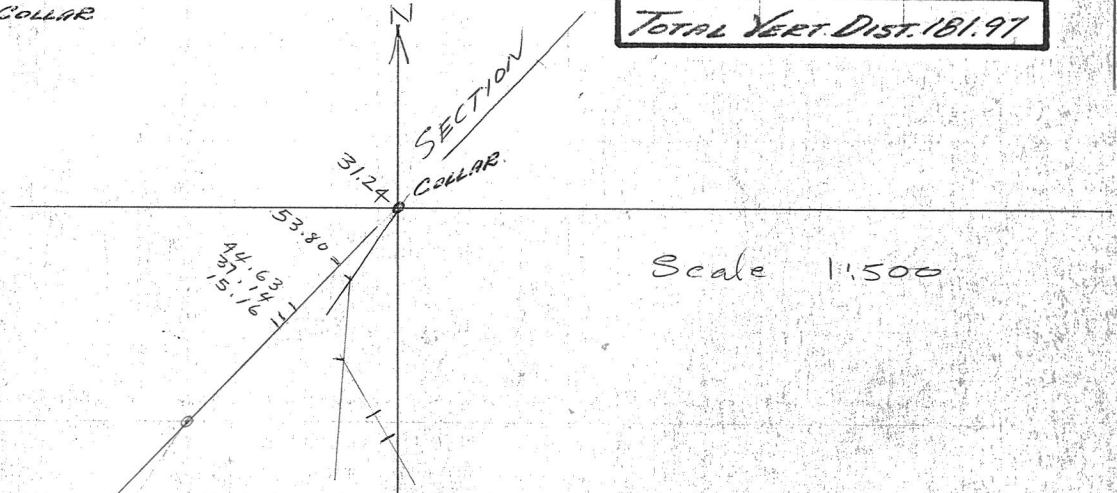
BY LB DATE SEPT. 6, 1976 SUBJECT DIP & BEARING SURVEY — HOLE # U-[illegible]6 (182.9m) SHEET NO. 166 OF
CHKD. BY DATE JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV. (Collar →)	FIG.
COLLAR	N-11°-E	22A	22A°	-90°	31.24	0	0	1.0	31.24 ✓	1074.26	31.24
205' = 62.48	S-2°-W	182°	21A° ✓	-84°	54.10	0.10453	5.66	0.99452	53.80 ✓	1020.46	85.34
355' = 108.20	S-28°-E	152°	18A° ✓	-83°	11.96	0.12187	3.48	0.99255	11.63	975.83	130.30
500' = 152.40	S-62°-E	118°	150°	-84°	37.34	0.10453	3.90	0.99452	37.14	938.69	167.64
600' = 182.88	S-62°-E	118°	150°	-84°	15.24	0.10453	1.59	0.99452	15.16	923.53	182.88
									TOTAL VERT. DIST. 181.97		

SKETCH: NOT TO SCALE





Scale 1:500

BY LB DATE SUBJECT DIP & BEARING SHEET NO. OF

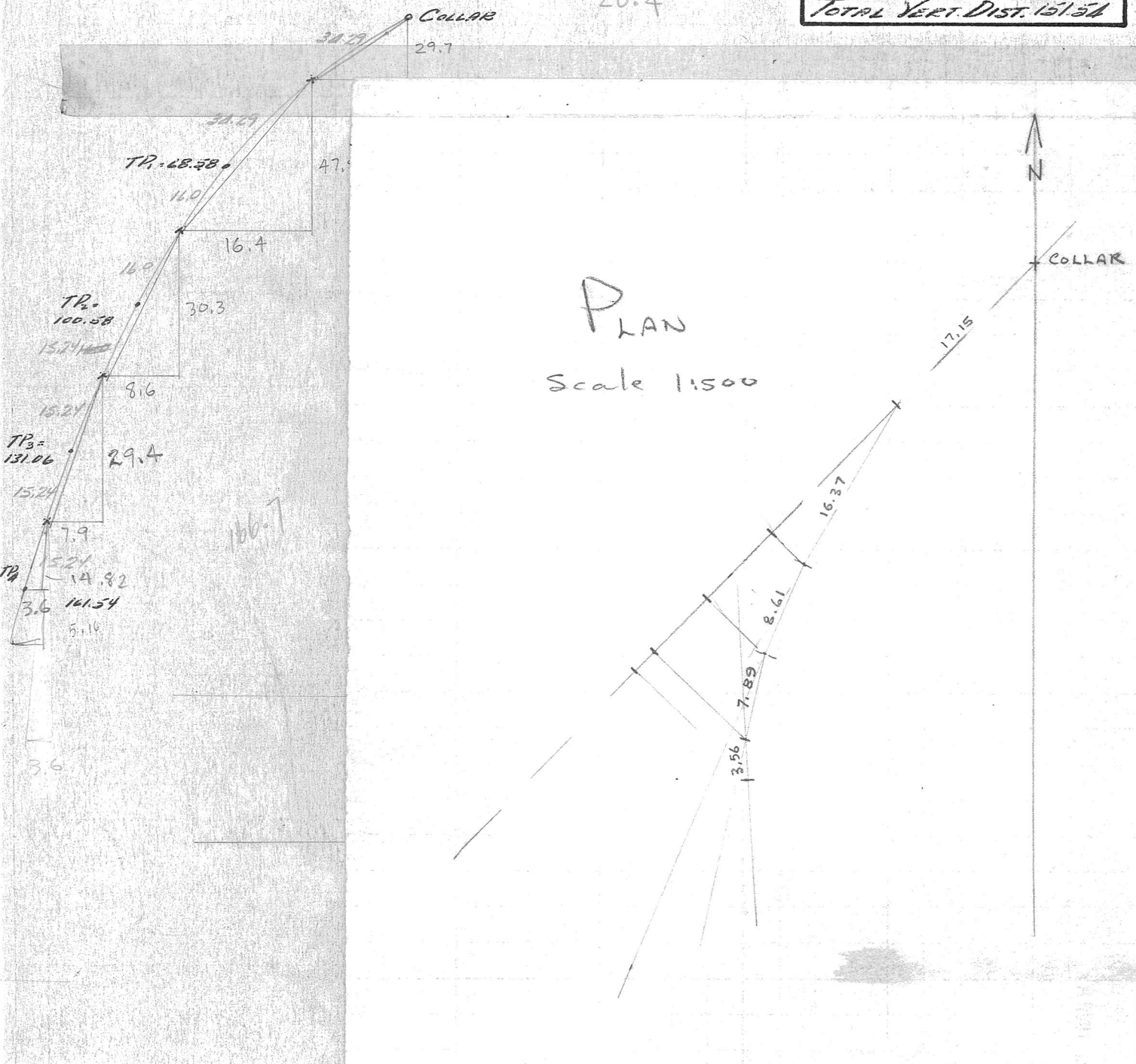
CHKD. BY DATE SURVEY — HOLE # U-[illegible] JOB NO.

SEPT. 13, 1976 SECTION 82 W (166.7m)

U-168

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT DIST.
COLLAR	—	—	224°	-60°	34.29	0.5000	17.15	0.866025	29.70
TP1 = 68.58	S-02°-E	178°	210°	-71°	50.29	0.325568	16.37	0.945519	47.55
330' = 100.58	S-09°-E	171°	203°	-72°	31.24	0.275638	8.61	0.961262	30.03
430' = 131.06	S-20°-E	160°	192°	-75°	30.48	0.258819	7.89	0.965926	29.44
530' = 161.54	S-35°-E	145°	177°	-76½°	~~15.24~~ 20.4	0.233445	~~3.56~~ 4.76	0.97237	~~14.82~~ 19.8
							TOTAL VERT. DIST. 151.54		



BY [illegible] DATE SUBJECT Dip & Bearing SHEET NO. OF

CHKD. BY DATE Survey — Hole # U-172 JOB NO.

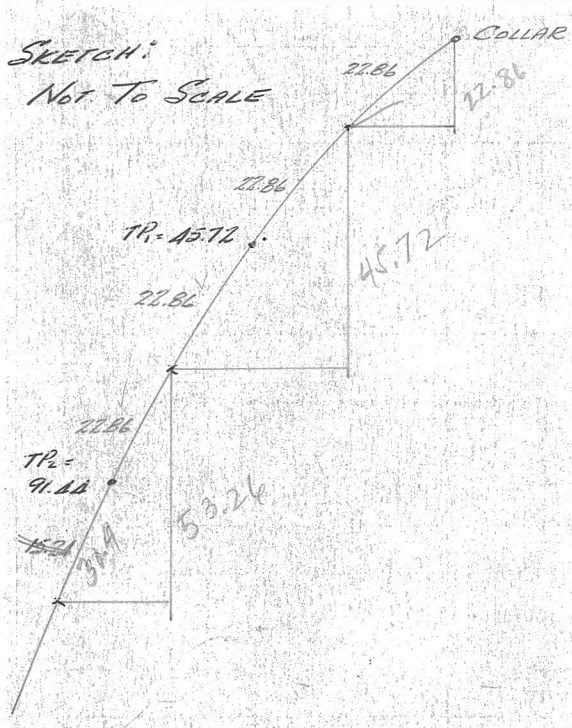
Sept. 15, 1976 @ 7N & 82W

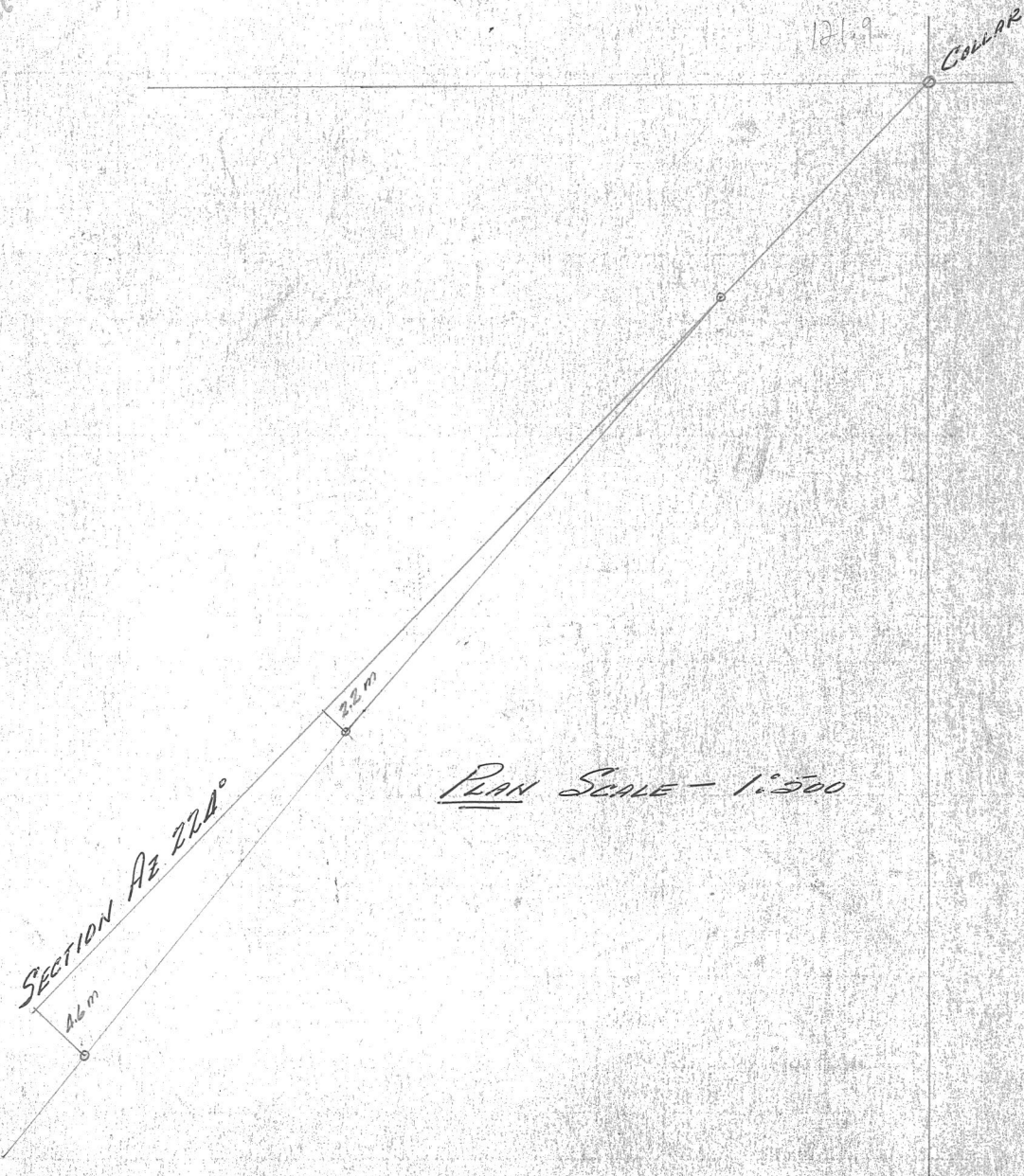
U-172

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
COLLAR	—	—	221°	-21°	22.86 ✓	0.933546	20.88 ✓	0.406737	9.30 ✓
150' = 45.72	S-09-W	189°	221°	-28°	45.72	0.882948	40.37 61.25	0.469471	21.46 30.76
300' = 91.44	S-07-W	187	219°	-40°	~~38.10~~	0.766045	~~29.19~~ 90.44	0.642788	~~24.49~~ 55.25
					53.26		40.8		34.2
								TOTAL VERT DIST.	

SKETCH:
NOT TO SCALE





PLAN SCALE — 1:500

BY J.R DATE SUBJECT: DIP & BEARING SHEET NO. OF

CHKD. BY DATE SURVEY — HOLE # U-76 JOB NO.

U-176

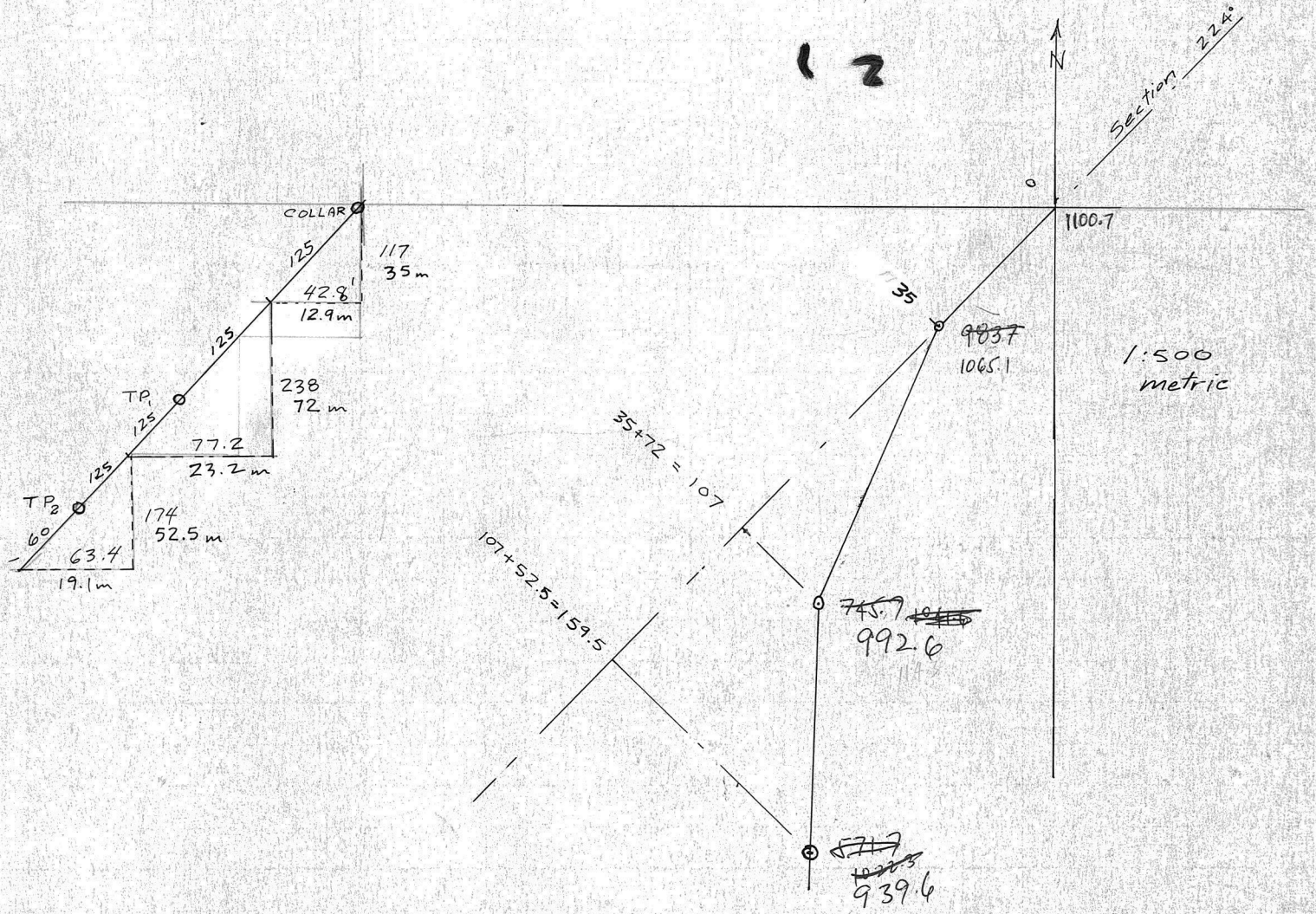
TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
collar			224 ✓	-70	125	~~.9397~~ 3420	42.8 (13)	9397	35.6 117
250 (76.2 m)	S08E	172	204	-72	250	3090	77.2 (23.5	9511	72.5 238
500 (152.4 m)	S30E	150	182	-70	185	~~.9397~~ 3420	63.4	9397	53 174
560	End of	hole			N		(19.32		529
					include end of hole				

NOTE: COLLAR SUSPECTED TO BE OUT OF PLANE MUST WAIT TILL hole IS Surveyed.

TOTAL VERT DIST. 1595 m

12



BY _____ DATE _____ SUBJECT Dip & Bearing Survey — Hole # U-182 SHEET NO. _____ OF _____

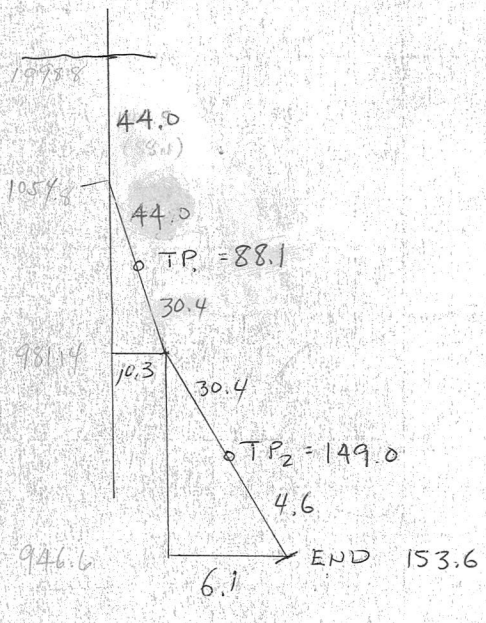
CHKD. BY _____ DATE _____ JOB NO. _____

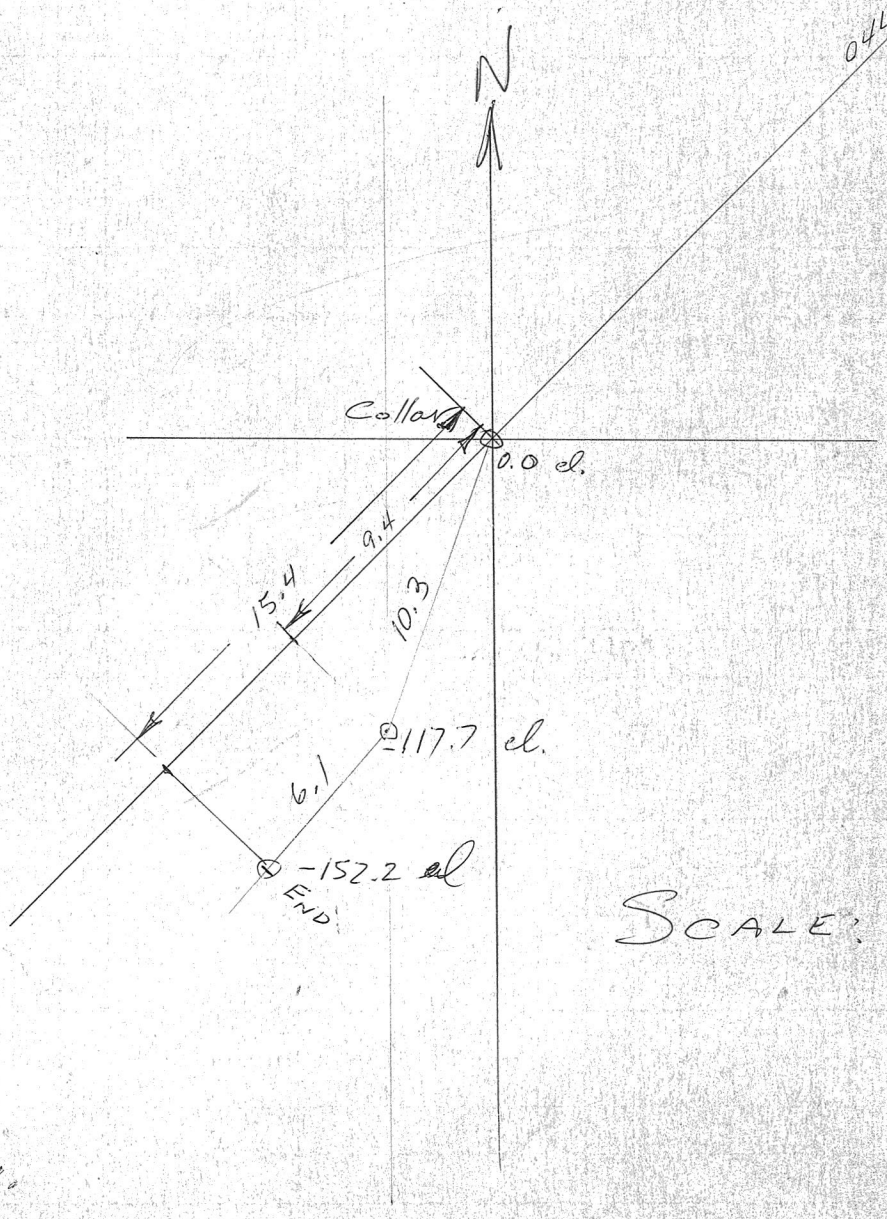
U-182

Table #1: Correlation Of Field Data:

1098 841

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip	Horiz. Dist.	Sine Dip	Vert. Dist.
Collar	—	—	—	-90	44.0	0	0	1.000	44.0
~~289~~ 88.1	SIZE	168°	200°	-82	74.4	0.1392	10.3	0.9903	73.7
~~489~~ 149.0	SIOW	190°	222°	-80	35.0	0.1736	6.1	0.9848	34.5
~~504~~ 153.6									
									152.2
								Total Vert. Dist.	





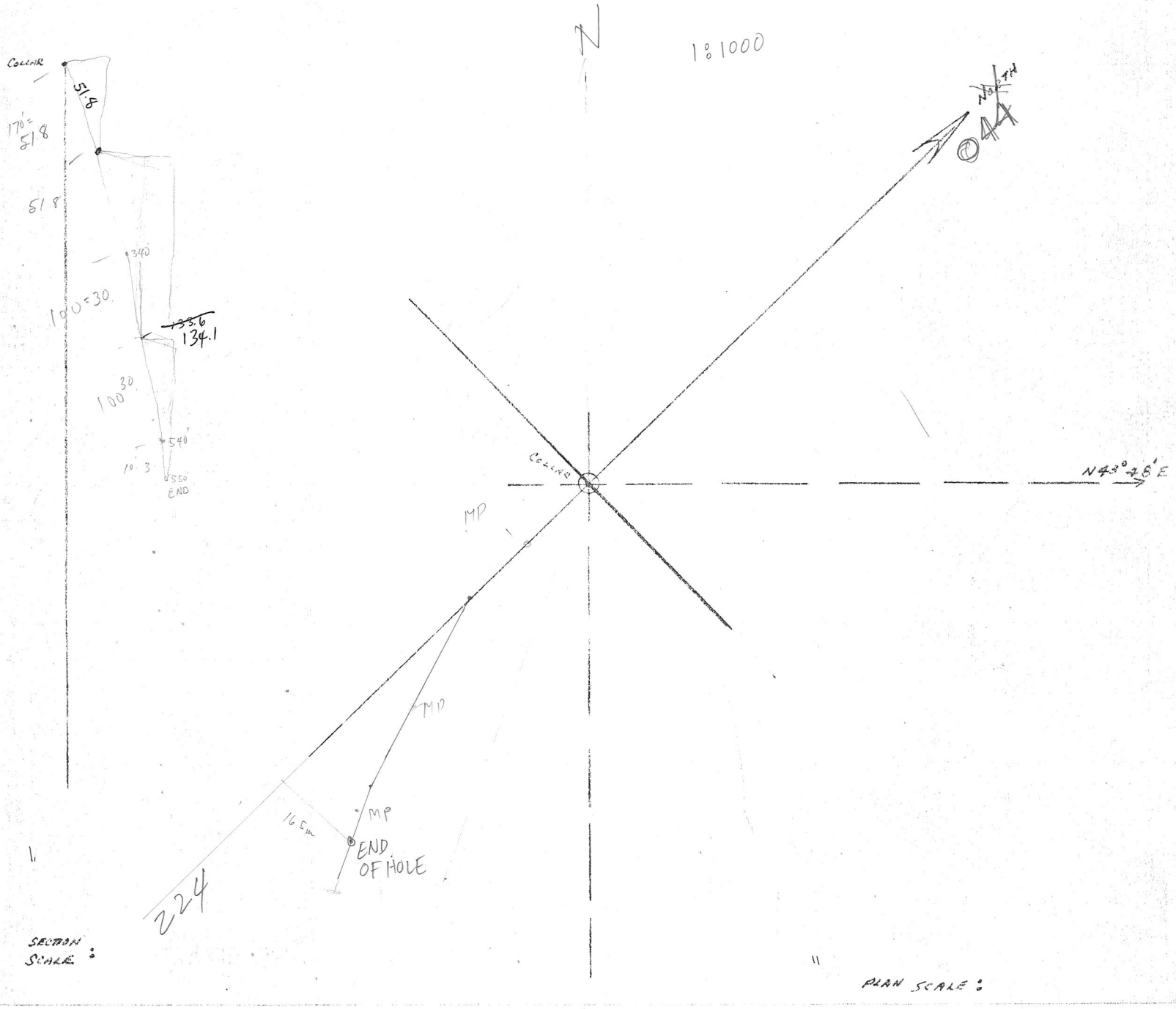
SCALE: 1.250

BY ____ DATE ____ SCALE ____ DIP & BEARING SURVEY — HOLE # U-184 SHEET NO. ____ OF ____

CHKD BY ____ DATE ____ JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT DIST.	ELEV. 1098.83
Collar	—	—	224	-55	51.8	0.573	29.6	0.819	42.4	1056.4
340' 103.6	S4E	176	208	23 -62	81.8	0.469	38.2	0.882	72.1	984.3
540' 164.59	S12E	168	200	19 -71	33.0	0.325	10.7	0.945	31.1	953.2
167.6	NOTE: INCLUDE END OF HOLE									
								TOTAL VERT DIST.		

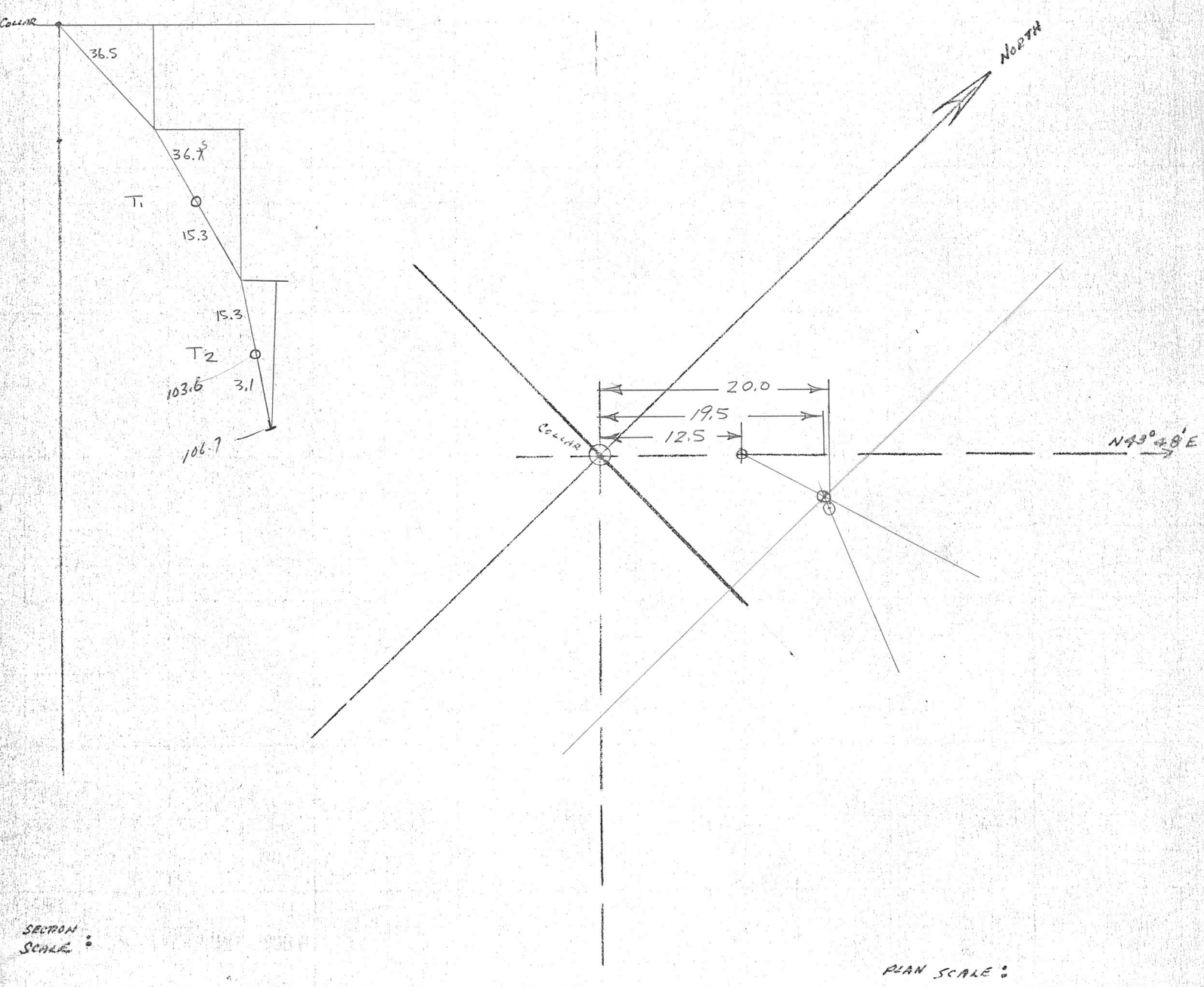


BY JP DATE SUB T. DIP & BEARING SURVEY — HOLE # U-190 (106.7m) SHEET NO. OF

CHKD. BY DATE JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT. DIST.	ELEV. (FEET)
Collar			044	-70	36.5	.3420	12.5	.9367	34.2	34.2 (36.5)
240 (73.1)	N40E	040	072	-81	51.8	.1564	8.1	.9877	51.2	85.4 (88.3)
340 (103.6)	N80E	080	112	-87	18.4	.0523	1.0	.9986	18.4	103.8 (106.7)
350 (106.7 END)										
									TOTAL VERT. DIST. 103.8	



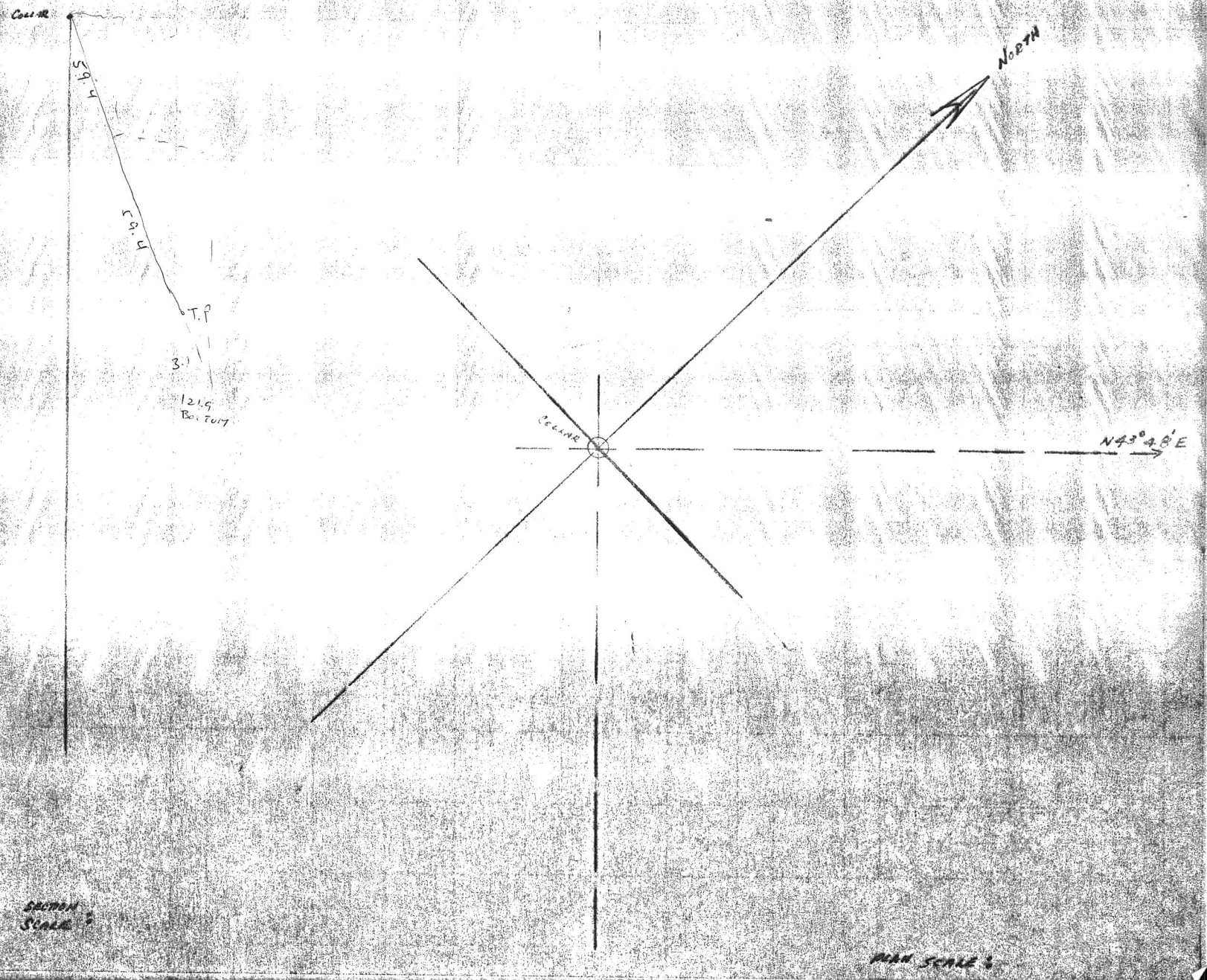
BY ..... DATE .....
CHKD. BY ..... DATE .....

PROJECT Dip & Bearing Survey — Hole # U-192 75W 3N

SHEET NO. ..... OF .....
JOB NO. .....

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth	Dip	Dist.	Cosine Dip	Horiz. Dist.	Sine Dip	Vert. Dist.	Elev.
Collar	—	—	52-52-42 044	-69 68-33	594	0 358	21.2	0933	554	
390 118.8	N12E	12	044	9 -81	625	0 156	9.75	0.987	616	
121.9										
					121.9					
								Total Vert. Dist.		



Section Scale: 1" = 5'

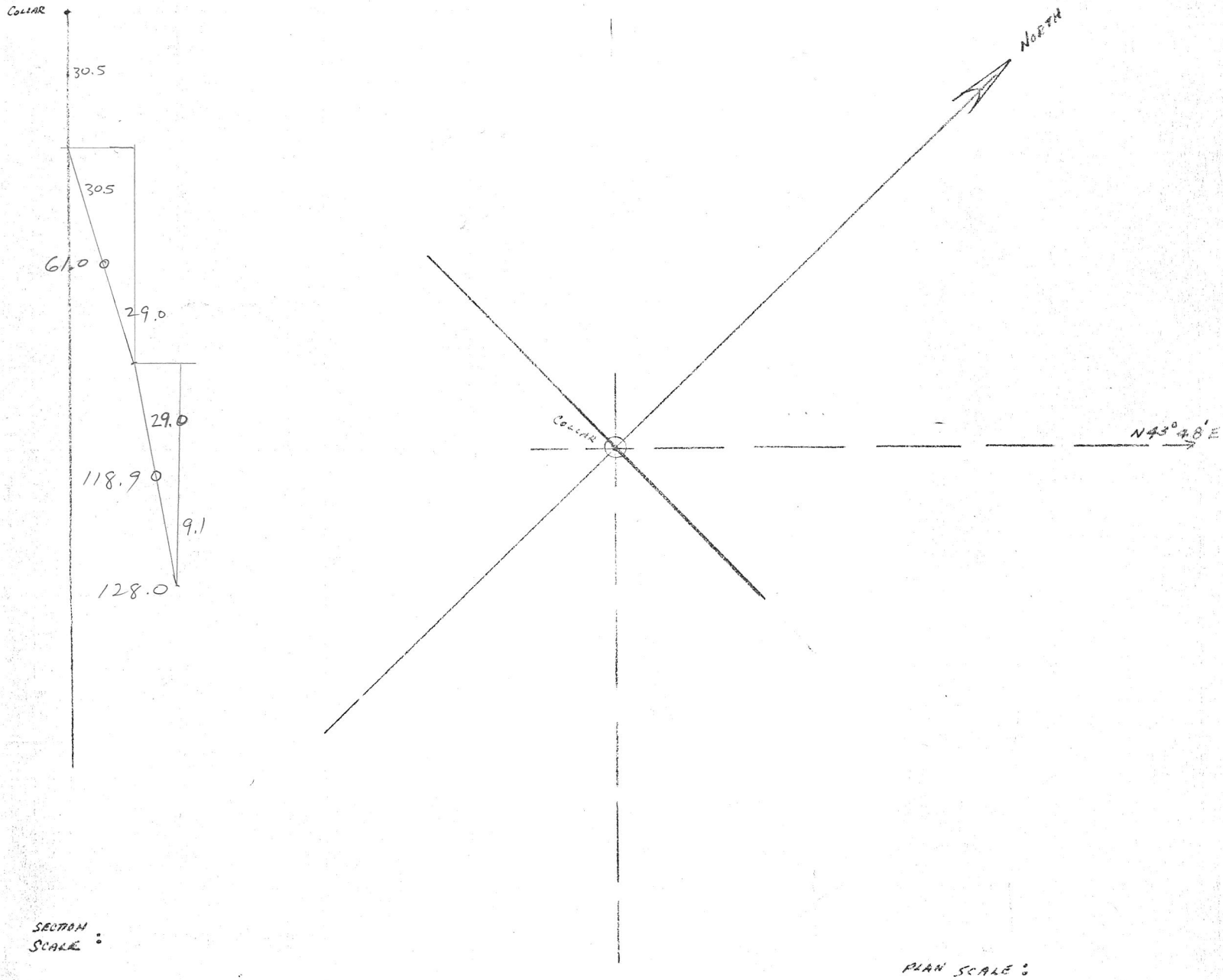
Plan Scale: 1" = 5'

BY ..... DATE ..... SUB. ..... DIP & BEARING SHEET NO. ..... OF .....

CHKD BY ..... DATE ..... SURVEY — HOLE # U-194 JOB NO. .....

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT DIST.	ELEV.
Collar			132-32-45	~~-85~~ -40 :47	30.5	0.0727	~~2.22~~	0.99736	30.42	30.5
200 61.0	S 60 W	240	272	-85	59.5	.0871	5.18	.9962	59.3	90.0
390 118.9	S 40 W	220	252	-86	38.1	.0697	2.65	.9976	38.0	128.1
420 128.0 END										
							TOTAL VERT DIST.			



SECTION SCALE :

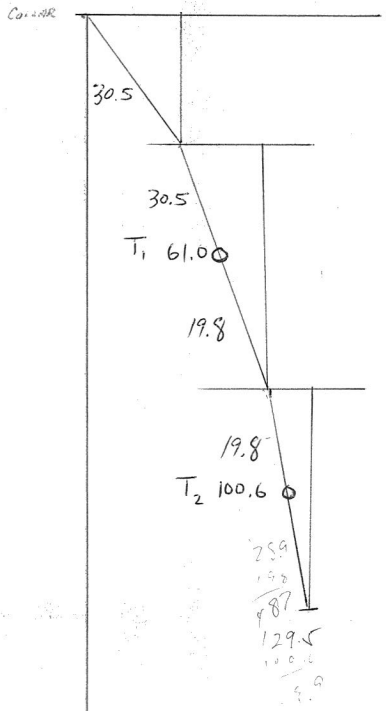
PLAN SCALE :

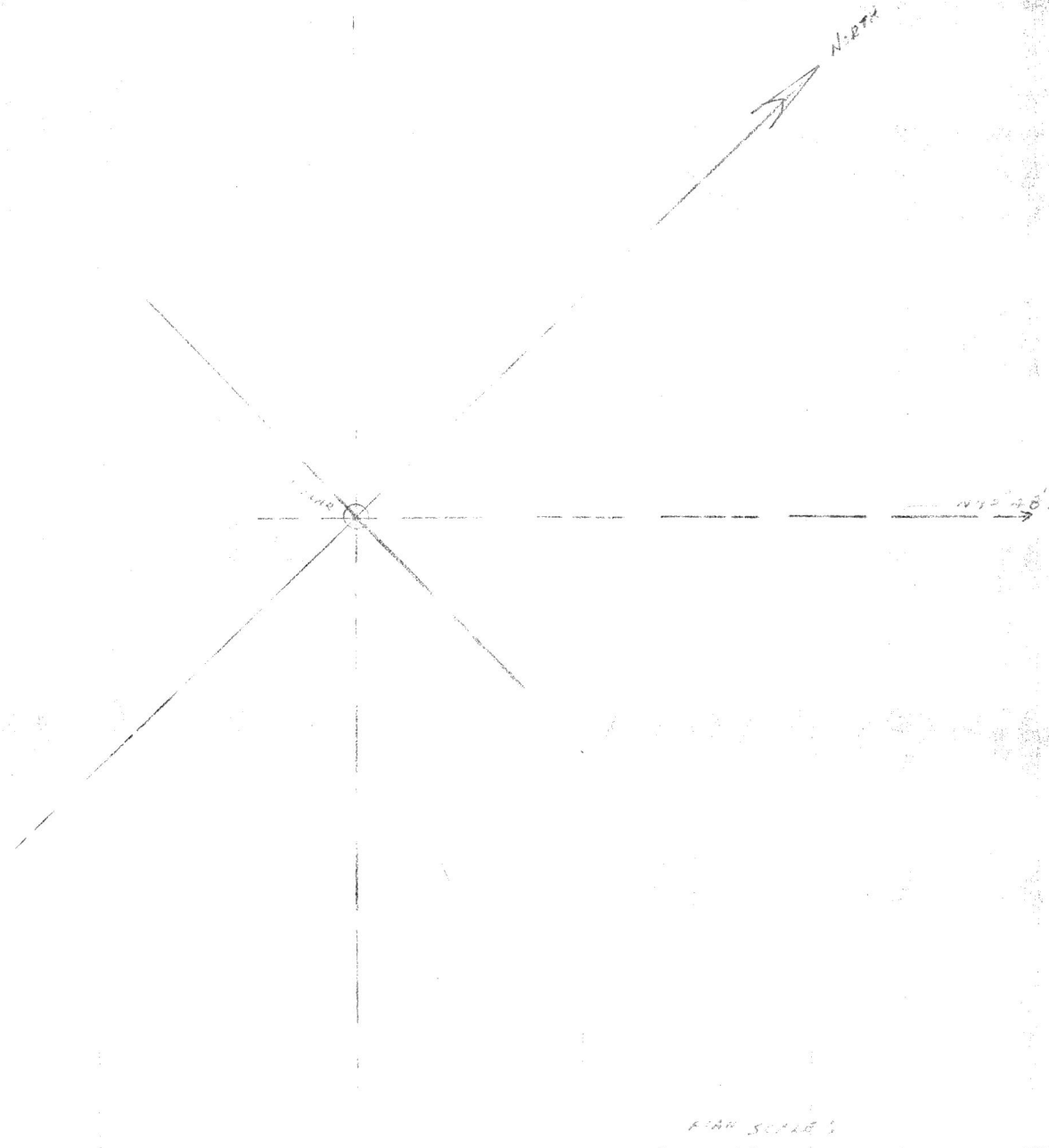
DIP & BEARING SURVEY — HOLE # U-190

SHEET NO. ____ OF ____

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST	COSINE DIP	HORIZ DIST.	SINE DIP	VERT DIST.	ELEV.
Collar			216-41 ~~224~~	-63°-39 ~~-65~~	30.5	0.4436 ~~0.4226~~	13.5 ~~12.9~~	.89623 ~~.9063~~	27.33 ~~27.6~~	
200 (61.0)	S 17W	197	22.9	-73	50.3	0.2923	14.7	.9563	48.1	
330 (100.6)	S 33W	213	245	-75	48.7	0.2588	12.5	.9659	~~47~~	
END										
								TOTAL VERT DIST		





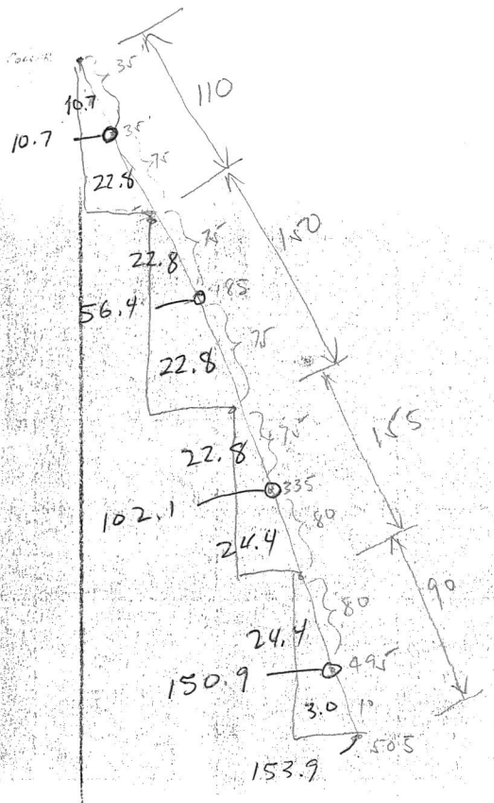
PLAN SCALE:

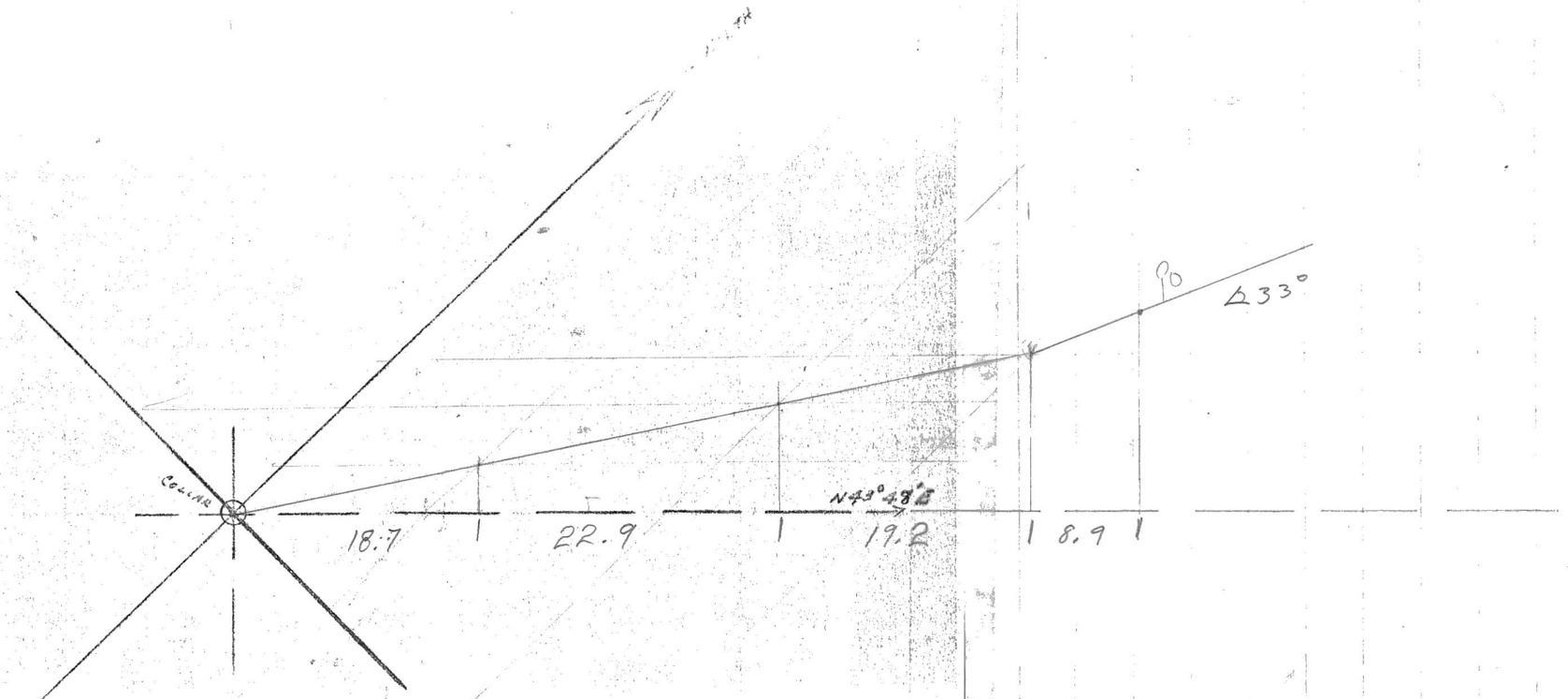
BY _____ DATE _____ SUBJECT Dip & Bearing — Survey — Hole # U-118 SHEET NO. ___ OF ___

CHKD BY _____ DATE _____ JOB NO. _____

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	+32° Corr. Azimuth	-40 Corr. Dip	Dist	Cosine Az.	Horiz. Dist.	Sine Az.	Vert. Dist.	Elev
COLLAR			32	-57	10.7	0.5446		0.83867		
35' 10.7	N1E	1	33	-56	110' 33.5	.5592	18.7	.82904	27.8	
185' 335' 56.4	N1E	1	33	-60	150' 45.7	.5000	22.9	.86603	39.6	
335' 495' 102.1	N1E	1	33	-66	175' 47.2	.4067	19.2	.91355	43.1	
495' 150.9	N9W	351	23	-71	90' 27.4	.3256	8.9	.94552	25.9	
505 153.9							Total Horiz Dist		136.4	





1:50

BY ____ DATE ____ SUBJECT: Dip & Bearing Survey — Hole #U-99 SHEET NO. ____ OF ____
CHKD. BY ____ DATE ____ JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

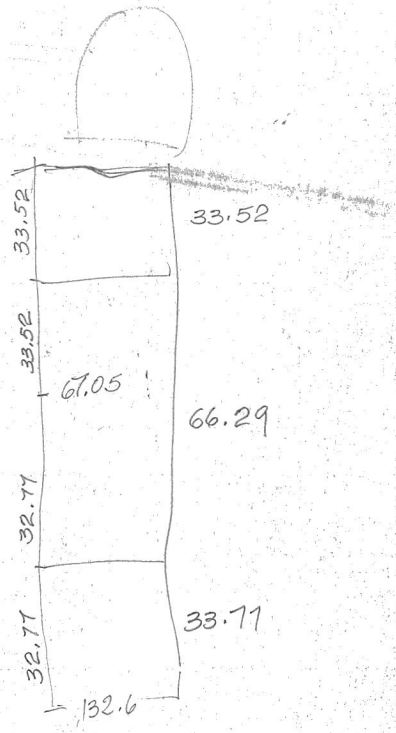
TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	VERT. DIST.	SINE DIP.	HORIZ DIST.
Collar		~~224~~	~~224°~~	~~+0 45'~~ 0	33.52	/		/	33.52
67.05m	~~S 85° E~~	095?	127°	+1°	66.29	.0175	1.1601 M	.99985	66.28
	~~S 90 W~~ = S 90 E	090?	122°	+1°	33.77	.0175	0.591'	.99985	33.76
132.6									

Note: Test at 67.05 inst. arrow pointed toward bottom of hole

TOTAL VERT. DIST. 133.56

Rods had to be pumped into hole and went in very slowly both times. It appears test rods did not get through the bit. Azimuth readings are therefore wrong. Dip readings should still be O.K.



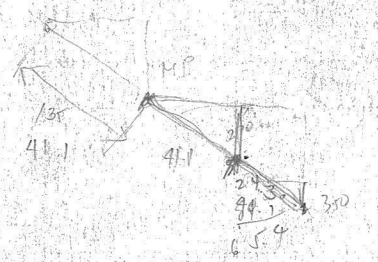


BY AYPO DATE Sept. 25, 1976 SUBJECT Dip & Bearing Survey — Hole # U. 75 SHEET NO. ... OF ...

CHKD BY ... DATE ... JOB NO. ...

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
COLLAR	—	—	41-21-29 ~~041~~	1°-17" —	41.1	.99973	41.1	.0233	0.96
270° 82.3m	N9E	09	041	" -6	65.4	0.994	65.	0.104	6.8
350° 106.6	DEPTH OF HOLE								
								TOTAL VERT. DIST.	



1:1000 PLAN

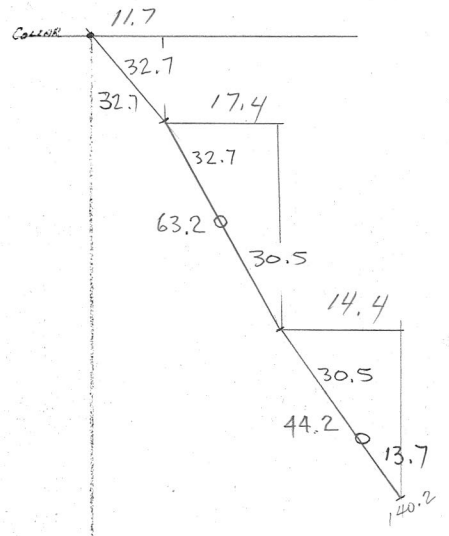
40 PPM

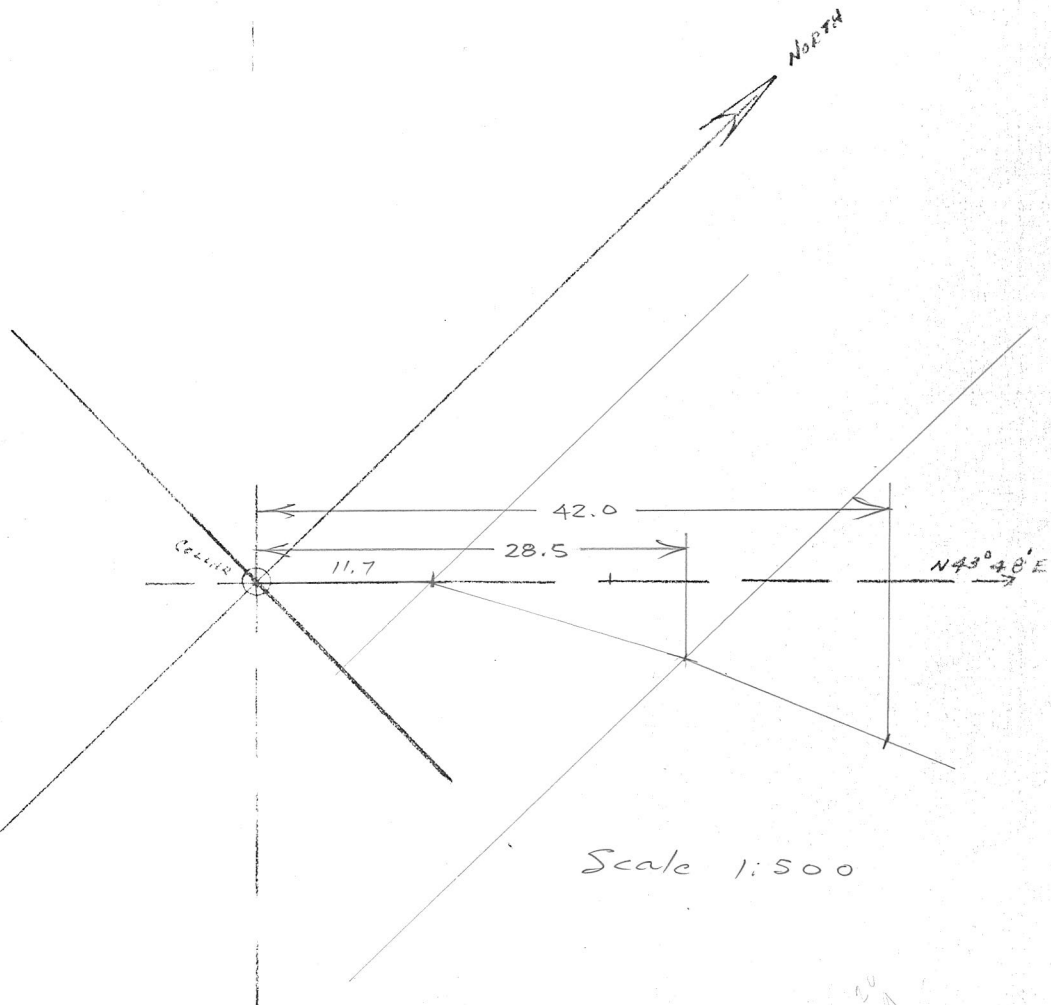
BY ____ DATE ____ S FOT. DIP & BEARING SHEET NO. ____ OF ____

CHKD BY ____ DATE ____ SURVEY – HOLE # C1-208 JOB NO. ____

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH 62-09-59	DIP 70°-40'	DIST.	COSINE DIP .3311	HORIZ DIST. 10.82	SINE DIP 0.94361	VERT DIST. 30.8	ELEV.
Collar			~~044~~	~~-69°~~	32.7	~~.3584~~	~~11.7~~	.9336	~~30.5~~	
215 ft 65.5m	N 29E	029	061	-74°	63.2	.2756	17.4	.9613	60.7	
415 ft 126.5m	N 34E	034	066	-71°	44.2	.3256	14.4	.9455	41.8	
END = 140.2								Total	132.99	
							TOTAL VERT DIST.			





Scale 1:500

SECTION SCALE :

PLAN SCALE :

BY ____ DATE ____ SCALE ____ SHEET NO. ____ OF ____

CHKD. BY ____ DATE ____ JOB NO. ____

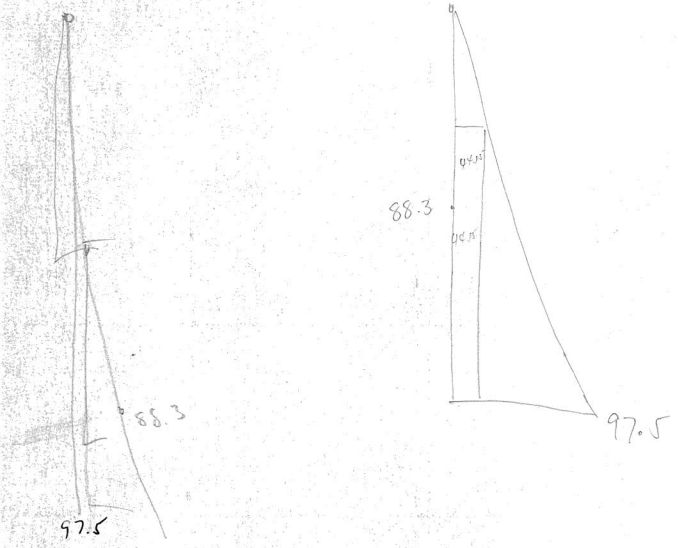
Dip & Bearing Survey — Hole #U-209
73W - 6N

97.5

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.
Collar	—	—	156-02-15"	-90 88.59	44.1 ✓	0.0175	0.77	0.99985	44.14
290' 88.3	N30W	330	002	-86	53.3	0.0698	3.72	0.99756	53.17
							TOTAL VERT. DIST.		

Practically right on!

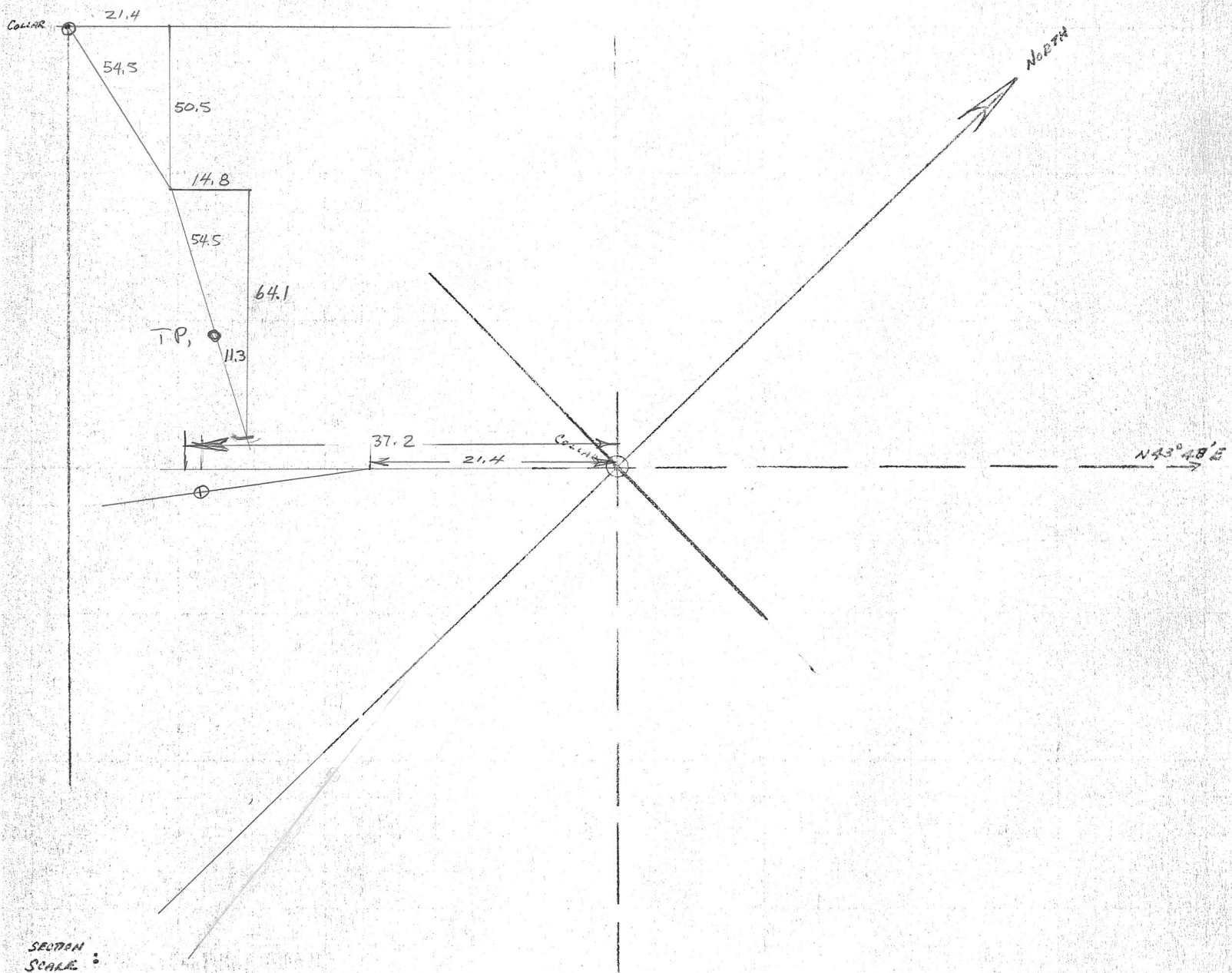


BY J PASTON DATE ... S EST. DIP & BEARING SHEET NO. ... OF ...

CHKD. BY ... DATE ... SURVEY – HOLE # U-210 JOB NO. ...

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ. DIST.	SINE DIP.	VERT. DIST.	ELEV.
Collar			220-53-59 ~~214°~~	66-59 ~~-67~~	54.5	0.3907	21.4	0.9205	50.5	
358 109.1	S 05 W	185	217°	-77	65.8	0.2249	14.8	0.9744	64.1	
395 120.4 END.										
							TOTAL VERT DIST. 114.6			



SECTION SCALE :

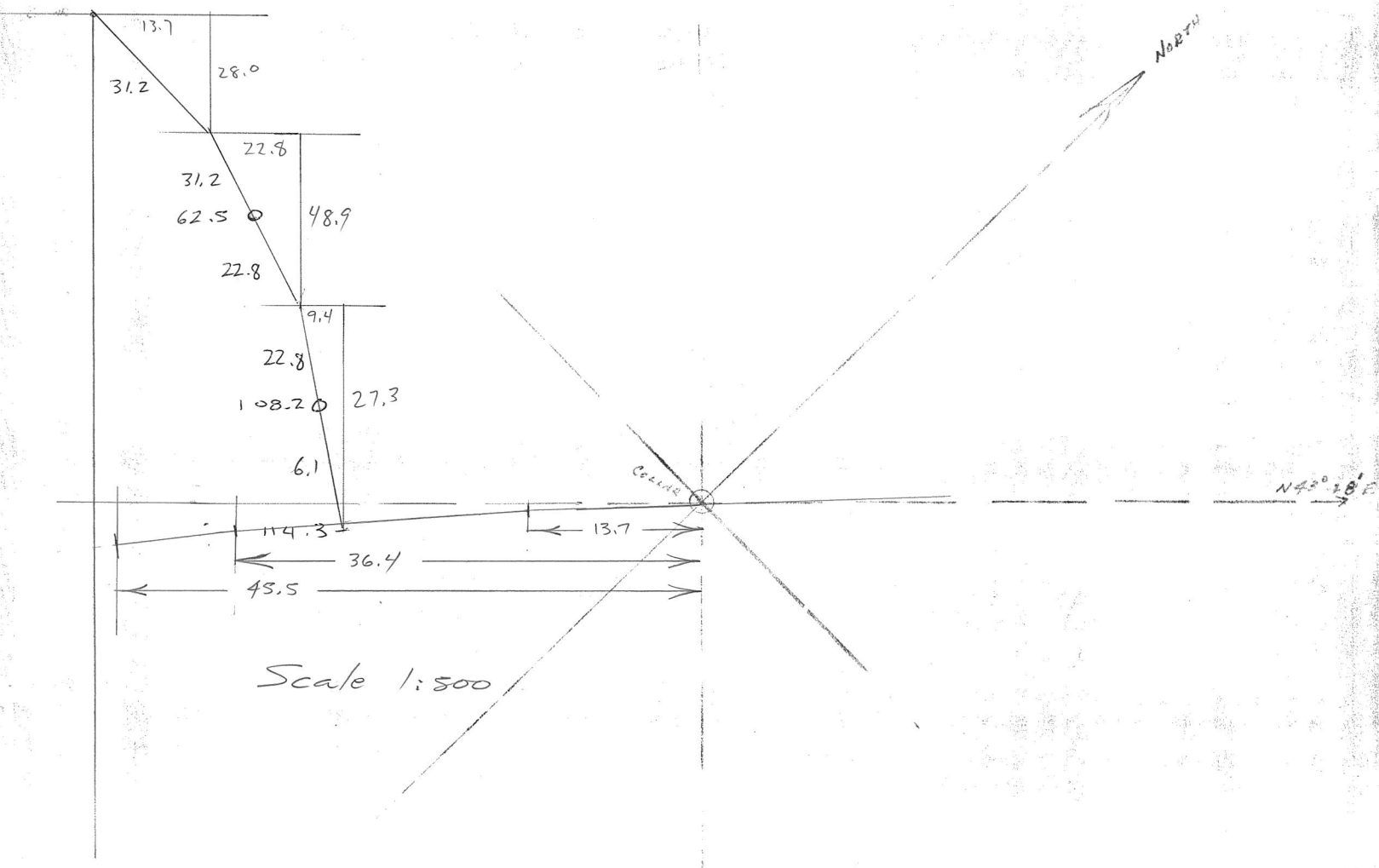
PLAN SCALE :

J. PAXTON

Survey — Hole # U-211

TABLE #1 - CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP	HORIZ. DIST.	SINE DIP	VERT DIST.	ELEV.
Collar			222° est	-64°	31.2	0.4384	13.7	0.8988	28.0	28.0
205 (62.5)	S09W	189	221	-65°	54.0	0.4226	22.8	0.9063	48.9	76.9
355 (108.2)	S05W	185	217	-71°	28.9	0.3255	9.4	0.9455	27.3	104.2
375 (114.3) END										
							TOTAL VERT DIST.			



Scale 1:500

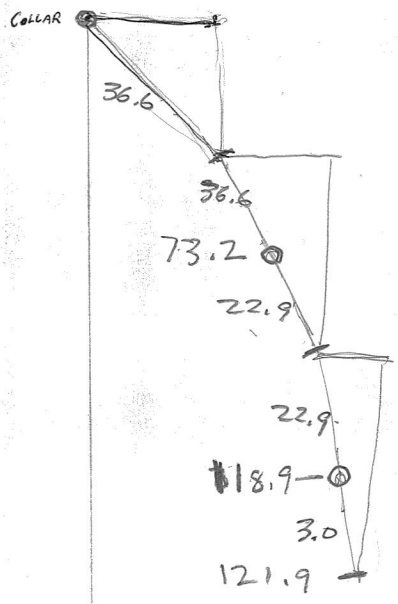
Dip & Bearing
Survey — Hole # U-13

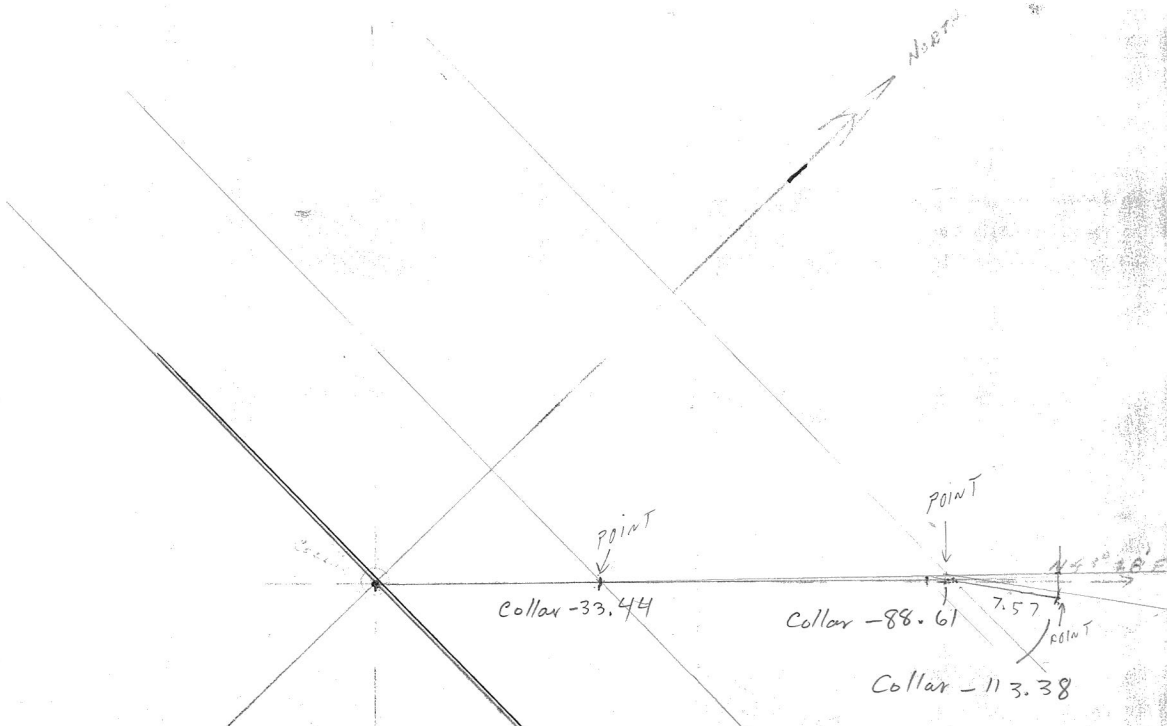
TABLE #1 : CORRECTION OF FIELD DATA: U-213

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH 46-00	DIP 64-56	DIST	COSINE DIP 0.4226	HORIZ. DIST. 15.46	SINE DIP .9063	VERT. DIST. 33.2	ELEV.
COLLAR			~~44~~	~~-66°~~	36.6	~~.4067~~	~~14.89~~	~~.91355~~	33.44	
240' 73.2	N10 E	11	43	-68°	59.5	.3746	22.29	.92718	55.17	
390' 118.9	N30 E	30	53	-73°	25.9	.2924	7.57	.95630	24.77	
400 121.9										

TOTAL VERT. DIST. 113.38

A





SECTION SCALE = 1:50

PLAN SCALE:

BY A.Y.B DATE ..... SUBJECT Dip & Bearing SHEET NO. 1 OF 1

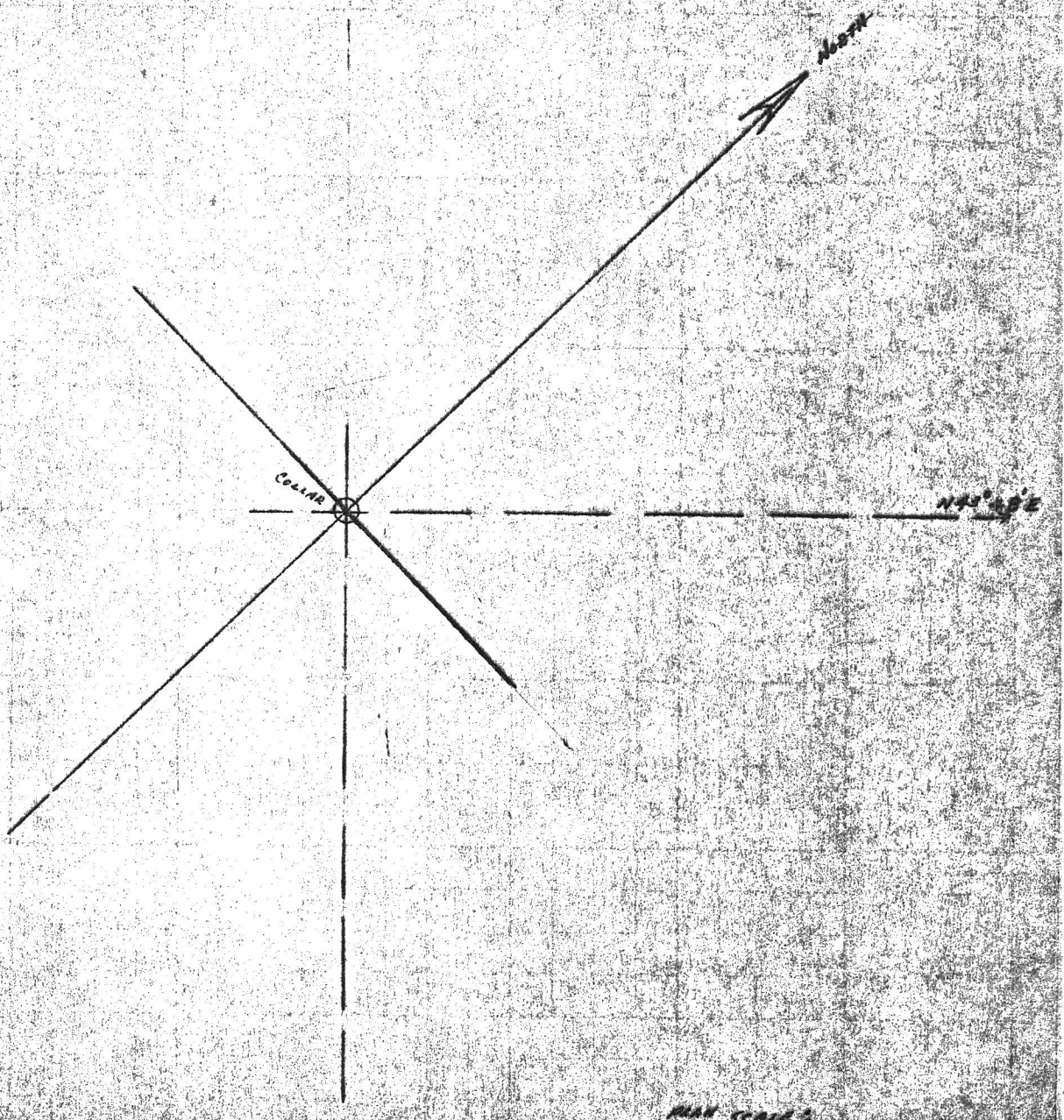
CHKD. BY ..... DATE ..... Survey — Hole # U-215 JOB NO. .....

75W - 6N 1/2

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr. Azimuth 64-18	Dip 65-11	Dist.	Cosine Dip. 0.420	Horiz. Dist. 18.8	Sine Dip 0.90753	Vert. Dist. 40.74	Elev.
Collar			044	-62	44.9	0.469	21	0.882	39.6	44.9
285 899	N23E	23	055	165 -70.5	67.5	0.333	22.5	0.942	63.8	112.65
445 135.6	DUE N	0	32	N -75.0	25.85	0.258	6.66	0.965	24.9	138.1
455 138.6 END										
								Total Vert. Dist.		





Section Scale 1"

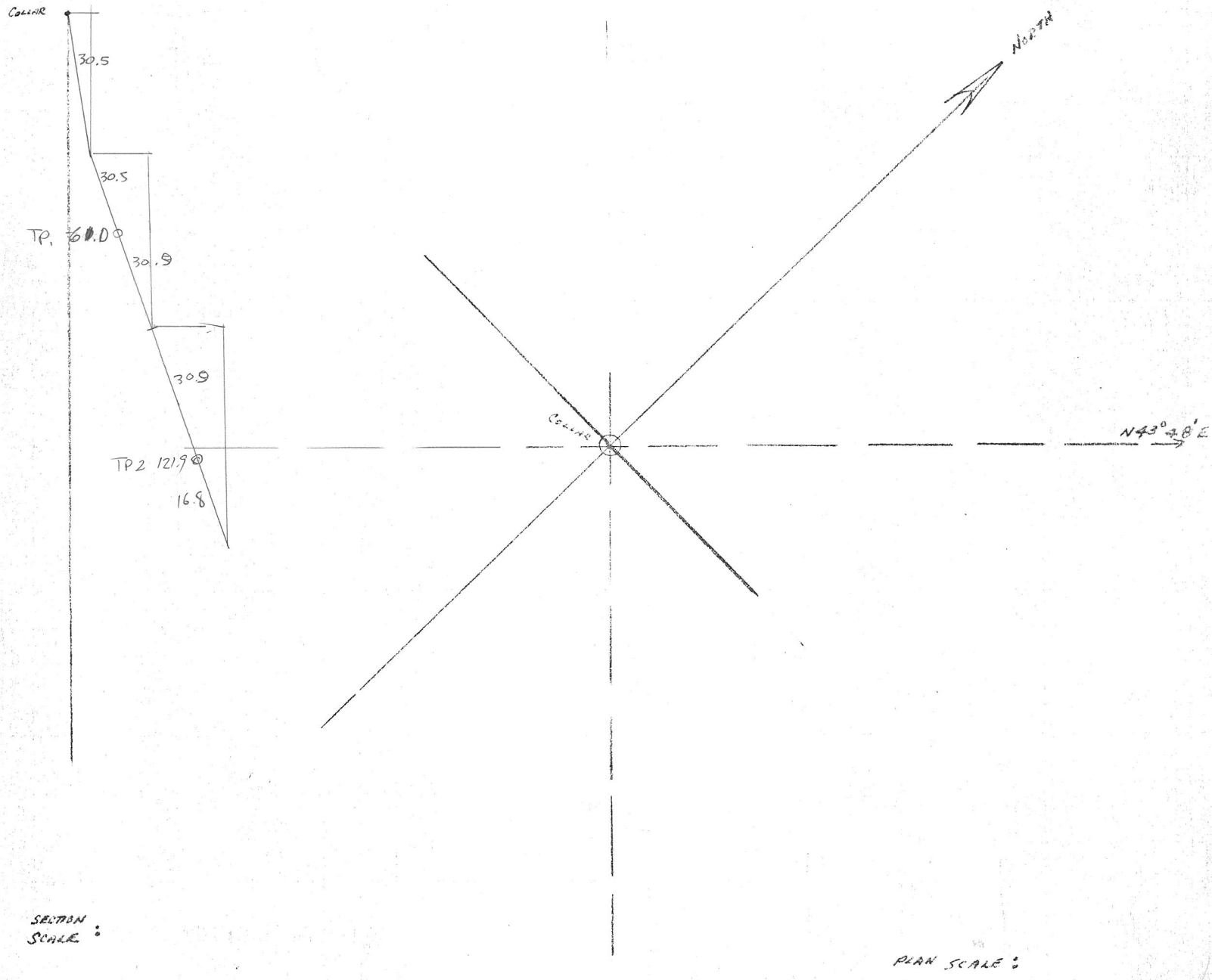
Plan Scale 1"

BY JP DATE SUBJECT DIP & BEARING SHEET NO. OF

CHKD BY DATE SURVEY — HOLE # U-216 JOB NO.

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST. 4.5	SINE DIP.	VERT DIST. 30.2	ELEV.
Collar			225-25-17	~~-84~~ -81 -28	30.5	~~.1045~~ .1478	~~3.19~~	~~.9945~~ .98902	30.33	30.5
200 C.O.	S 08 E	172	204	-82	61.4	.1391	8.54	.9903	60.80	91.9
400 121.9	S 55 E	125	157	-82	47.7	.1391	6.63	.9903	47.24	139.6
455 138.7 END										
							TOTAL VERT DIST.			



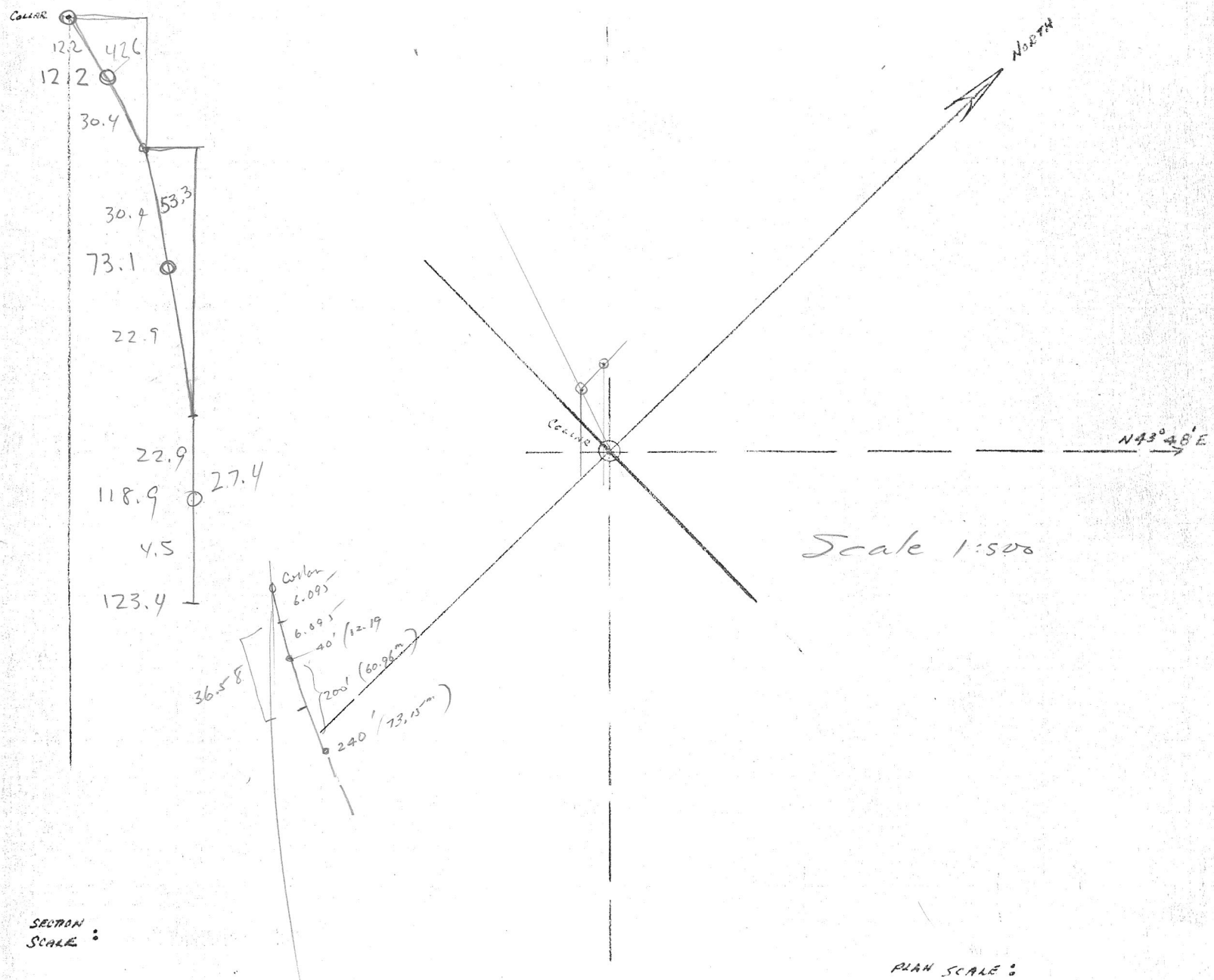
SECTION SCALE:

PLAN SCALE:

BY ... DATE ... SUBJECT Dip & Bearing Survey — Hole # U-217 SHEET NO. ... OF ...
CHKD BY ... DATE ... JOB NO. ...

Table #1: Correlation Of Field Data:

Test Point	Obs. Bearing	Obs. Azimuth	Corr Azimuth	Dip	Dist.	Cosine Dip.	Horiz Dist.	Sine Dip.	Vert Dist.	Elev. Diff.
Collar		Lay out 244°	Use 82°	~~-80°~~ measured on drill.						0
40 (12.2)	S 76 W	256	288	-82°	42.6	.139	5.9	.990	42.2	42.2
240 (73.1)	N 35 W	325	357	-87°	53.3	.052	2.8	.999	53.2	95.4
390 (118.9)	Can't Read	~~Assume 360~~	049° ~~40°~~ assume	~~90°~~ ~~88~~ assume	27.4	0.00	0	1.000	27.4	122.8
405 (123.4)	End									
							Total Vert Dist.			



SECTION SCALE :

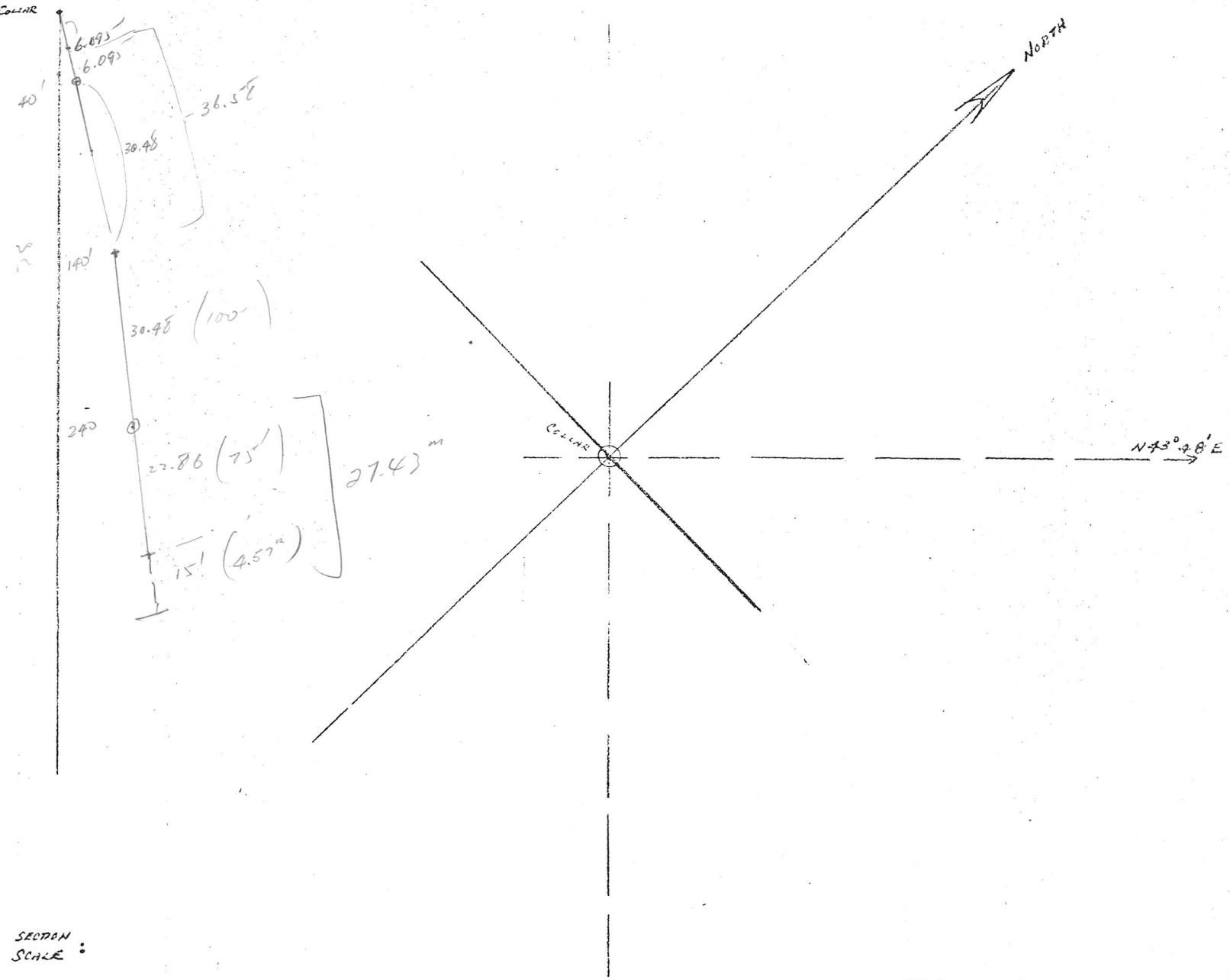
PLAN SCALE :

BY: . . . . DATE . . . . . CO. DIP & BEARING SURVEY — HOLE # U-47 SHEET NO. . . . . OF . . . .

CHKD. BY . . . . DATE . . . . . JOB NO. . . . . .

TABLE #1: CORRELATION OF FIELD DATA:

TEST POINT	OBS. BEARING	OBS. AZIMUTH	CORR. AZIMUTH	DIP	DIST.	COSINE DIP.	HORIZ DIST.	SINE DIP.	VERT. DIST.	ELEV. 1172.8	FOOTAGE
Collar			OS≤244°	OS=82°	6.1	0.1392	0.849	0.9903	-6.041	1166.8	6.1
40' (12.19m)			~~248°~~ 242°	~~-~~ -82°	~~36.58~~ 36.57	0.1392	5.092	0.9903	-36.23	1130.6	42.68
240' (73.1)			~~357°~~ 357°	~~-87°~~ -87°	~~53.34~~ 53.34	~~0.0523~~ 0.1392	2.79	~~0.9863~~ 0.9903	-53.27	1077.3	96.02
390' (118.9)			~~[illegible]~~	-90° (use)	27.43 end	0		1.0	-27.43	1049.9	123.45
405 (123.4 end)											
							TOTAL VERT DIST.				



SECTION SCALE :

PLAN SCALE :

BY Sept DATE 19/76 SUBJECT DDH LAYOUT SHEET NO. OF

CHKD. BY DATE JOB NO.

SD Nº 1

