#80A

~~3.81' = 1m~~

1123.3 collar

021180

80A

362m
~~463~~
100E
110
OVB ~~240'~~ (74.8m) = 287.2m
206.5m

Au (oz/ton)
90 0.01-0.02 >0.01 100 110 120
>0.01 96 99

80A

80 100E 1123.3N 120 140
OVB
1123.3
-236.0
887.3
100 120
683.3

1123.3
-500
623.3

1123.3
-240.0 ← start Au
883.3

1123.3
-300.0
823.3

Au <0.01

320-330 = 803.3 ✓
↓
793.3

360-380 = 763.3 ✓
↓
743.3

400-440 = 723.3 ✓
↓
683.3

480-500 = 643.3 ✓
↓
623.3

Cu

120 125 130
<0.2 0.2-0.4 >0.4

~~240~~-260
883.3-863.3 ✓

~~260~~-~~270~~
863.3-853.3 ✓

~~270~~-~~290~~
853.3-833.3 ✓

~~290~~-~~340~~
833.3-783.3 ✓

~~340~~-~~350~~
783.3-773.3 ✓

~~350~~-~~370~~
773.3-753.3 ✓

~~370~~-~~380~~
753.3-743.3 ✓

~~380~~-~~420~~
743.3-703.3 ✓

~~420~~-~~440~~
703.3-683.3 ✓

~~440~~-~~500~~
683.3-623.3 ✓

#103

+80 ← 200 220 → +80 1123.3

~~200~~ ~~220~~

1123.3
-1103.0
20.3

1123.3
232.0 OVB
891.3

<0.2 >0.2 >0.4

383.3
~~340~~ - ~~350~~ 373.3 ✓

373.3
~~350~~ - ~~200~~ 223.3 ✓

223.3
~~200~~ - ~~210~~ 213.3 ✓

213.3
~~210~~ - ~~1103~~ 20.3

Au

>0.02 >0.01 <0.01

top to 0.0

↓

bottom

Cu

~~>0.02~~ >0.01 ~~<0.01~~

225 230 ~~0 232~~ ~~232~~

220

<0.2 ✓ >0.2 >0.4

891.3 883.3
~~232~~ - ~~240~~ ✓

883.3 793.3 ✓
~~240~~ - ~~330~~

793.3 783.3 ✓
~~330~~ - ~~340~~

783.3 773.3 ✓
~~340~~ - ~~350~~

773.3 763.3 ✓
~~350~~ - ~~360~~

763.3 753.3 ✓
~~360~~ - ~~370~~

753.3 743.3 ✓
~~370~~ - ~~380~~

743.3 673.3
~~380~~ - ~~450~~ ✓

673.3 663.3 ✓
~~450~~ - ~~460~~

663.3 653.3
~~460~~ - ~~470~~ ✓

653.3 623.3 ✓
~~470~~ - ~~500~~

623.3 563.3
~~500~~ - ~~560~~ ✓

563.3 543.3 ✓
~~560~~ - ~~580~~

543.3 403.3 ✓
~~580~~ - ~~720~~

403.3 393.3 ✓
~~720~~ - ~~730~~

393.3 383.3 ✓
~~730~~ - ~~740~~

#76

#103 → up to ≈ 240
center = 210

	E	N
#103	233423.0	246873.0
#76	233451.0	246480.0
	28.0	393.0

$28^2 + 393^2 = c^2$

$784 + 154449 =$

$c = 394$

≈ 390' → 390' So. of #80a + #103

+ 210 from 103

600' center

110' is centre of 80a

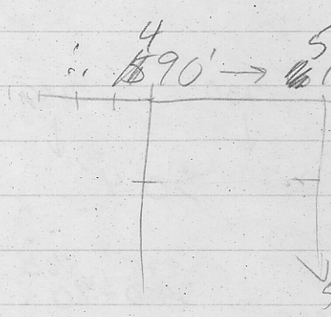
390'

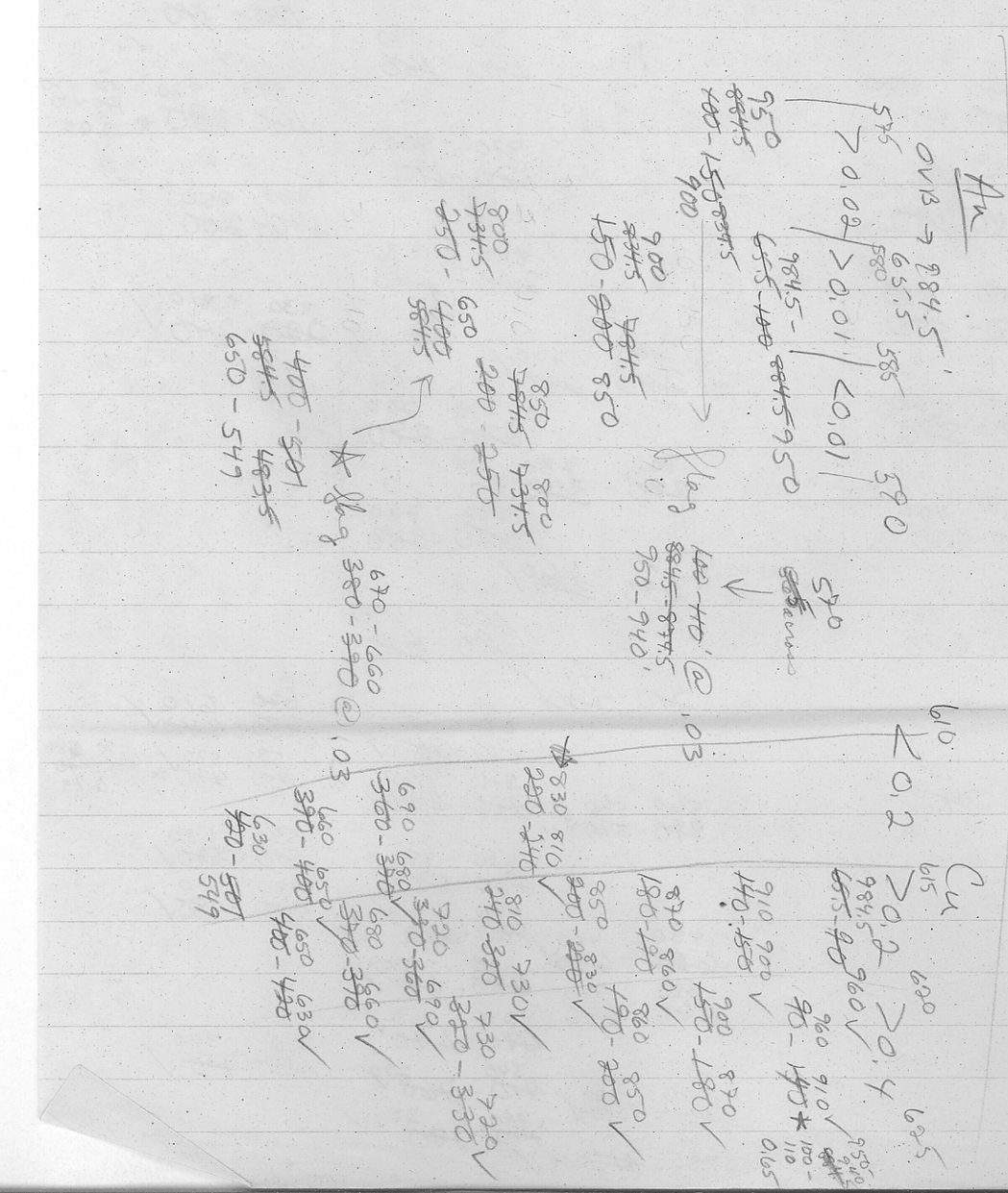
500' centre

moved to.

∴ 490' → 510' elev = 1050'

Depth = 501' = 1050 − 501 = 549'

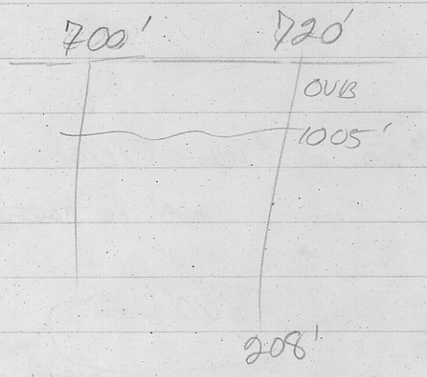




#84

	E.	N	
#76	233451.0	246480.0	-45° dip @ 180°
#84	233451.0	246474.0	collar elev. 1050'
	0	6.0'	depth 842'

build at



1050
- 842
208

45' OVB 1050 - 45 = 1005'

685 ↓ Au. 690 ↓ 695 ↓ 700 ↓ 720 ↓ Cu 725 ↓ 730 ↓ 735 ↓

>0.02 | >0.01 | <0.01 | <0.2 | >0.2 | >0.4

.048 * 930 920 ~~120-130~~

45 - ~~120~~
1005 930

920 895
~~130-155~~

895 850
~~155-200~~

850 800
~~200-250~~

800 620
~~250-430~~

620 610
~~430-440~~

610 600
~~440-450~~

600 580
~~450-470~~

580 500
~~470-550~~

500 470
~~550-580~~

470 460
~~580-590~~

460 450
~~590-600~~

450 420
~~600-630~~

420 370
~~630-680~~

370 360
~~680-690~~

360 350
~~690-700~~

350 250
~~700-800~~

250 208
~~800-842~~

~~45.0 - 75.0~~
1005. 975

960 920
~~90-130~~

910 890
~~140-160~~

890 870 880 870
~~160-180~~ * ~~170-180~~ 0.65

870 860
~~180-190~~

860 850
~~190-200~~

850 830
~~200-220~~

830 810
~~220-240~~ ✓

810 770
~~240-280~~ ✓

770 760
~~280-290~~

760 730
~~290-320~~

730 720
~~320-330~~

720 660
~~330-390~~ ✓

660 640
~~390-410~~

640 620
~~410-430~~ ✓

610 590
~~440-460~~ ✓

570 560
~~480-490~~ ✓

560 540
~~490-510~~ ✓

530 480
~~520-570~~ ✓

470 430 ✓
~~580-680~~

430 420
~~620-630~~ ✓

420 380
~~630-670~~ ✓

380 370
~~670-680~~

370 360 ✓
~~680-690~~

340 290
~~710-760~~

290 280
~~760-770~~ ✓

280 270
~~770-780~~

270 208
~~780-842~~ ✓

975 960
~~75.0-90~~

920 910
~~130-140~~

620 610
~~430-440~~ ✓

590 570 ✓ 590 580
~~460-480~~ * ~~460-480~~ 0.73

540 530
~~510-520~~ ✓

480 470
~~570-580~~ ✓

360 340
~~690-710~~ ✓

111

	E	N	collar elev. 1202'
80a	233416.0	246881.0	depth 832'
111	233455.0	246239.0	∠ @180°
	39.0	642.0	

distance from 80a = 643' = +110 = 650 +110 = 760

760 780 collar 1202'

1159' OVB

1202
-832
370'

370' TD

745 Au 750 755 760

>0.02 >0.01 <0.01

1159 ~~43~~ - ~~430~~ 772

772 742
430 - 460

742 370
~~460~~ - 832

need to rotate.

(1254) 780 (1259) 785 (1264) 790 795

Cu

<0.2 >0.2 >0.4

1159 ~~45~~ - ~~150~~ 1052

1052 1042
~~150~~ - ~~160~~ ✓

1042 982 ✓
~~160~~ - ~~220~~

982 952 ✓
~~220~~ - ~~250~~

952 * ✓
~~250~~ - ~~260~~
942

942 932 ✓
~~260~~ - ~~270~~

932 772 ✓
~~270~~ - ~~430~~

752
450-460 ✓

772 742
~~430~~ - ~~460~~ *

742 722 ✓
~~460~~ - ~~480~~

722 712 ✓
~~480~~ - ~~490~~

712 702 ✓
~~490~~ - ~~500~~

702 642 ✓
~~500~~ - ~~560~~

642 632 ✓
~~560~~ - ~~570~~

632 572 ✓
~~570~~ - ~~630~~

572 562 ✓
~~630~~ - ~~640~~

562 542 ✓
~~640~~ - ~~660~~

592-527 ✓
542 522
~~660~~ - ~~680~~ *

522 452 ✓
~~680~~ - ~~750~~

452 442 ✓
~~750~~ - ~~760~~

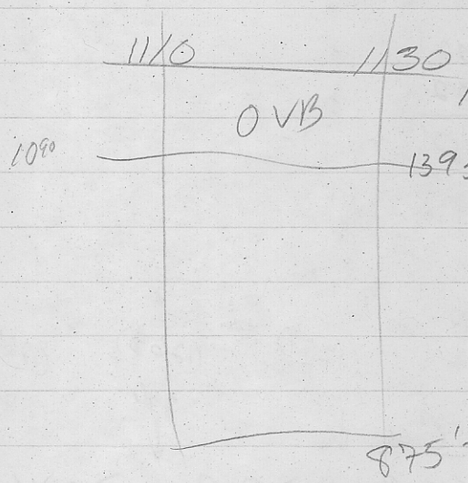
442 370
~~760~~ - ~~832~~

#70

	E	N	elev. 1410'	Vertical
80A	233416.0	246881.0	TD 535'	
70	233474.0	245872.0		
	58.0	1009.0		

distance 1011' ↙ 1010'

80A = 110
+ 1010
1120



OVB = 17'

1095 Au 1100 1105 1110

>0.02 >0.01 <0.01

1393
~~17~~ - 875

1130 Cu 1135 1140 1145

<0.2 >0.2 >0.4

1393 1210
~~17~~ - 200

1210 1200
~~200~~ - ~~210~~

1200 1140
~~210~~ - ~~270~~

1140 1120
~~270~~ - ~~290~~

1120 ★0.70
~~290~~ - ~~300~~

1110 1100
~~300~~ - ~~310~~

1110

1100 900
~~310~~ - ~~510~~

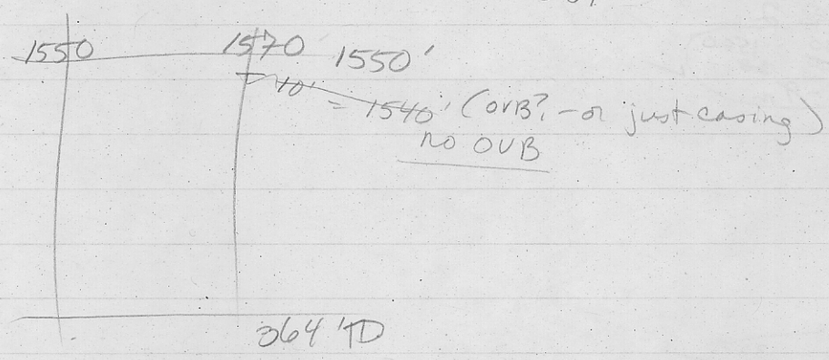
900 890
~~510~~ - ~~520~~

~~890~~ 875
~~520~~ - 535

#201

	E.	N.	
80A	233416.0	246881.0	elev. 1550'
201	233484.0	245430.0	depth 1186'
	68.0	1451.0	

distance 1451' + 80A 110'
1451
1561



Au

1535	1540	1545	1550
			no values
>0.02	>0.01	<0.01	

Au cont.

1535	1540	1545	1550
			no values
>0.02	>0.01	<0.01	

60651 - 56 (6)

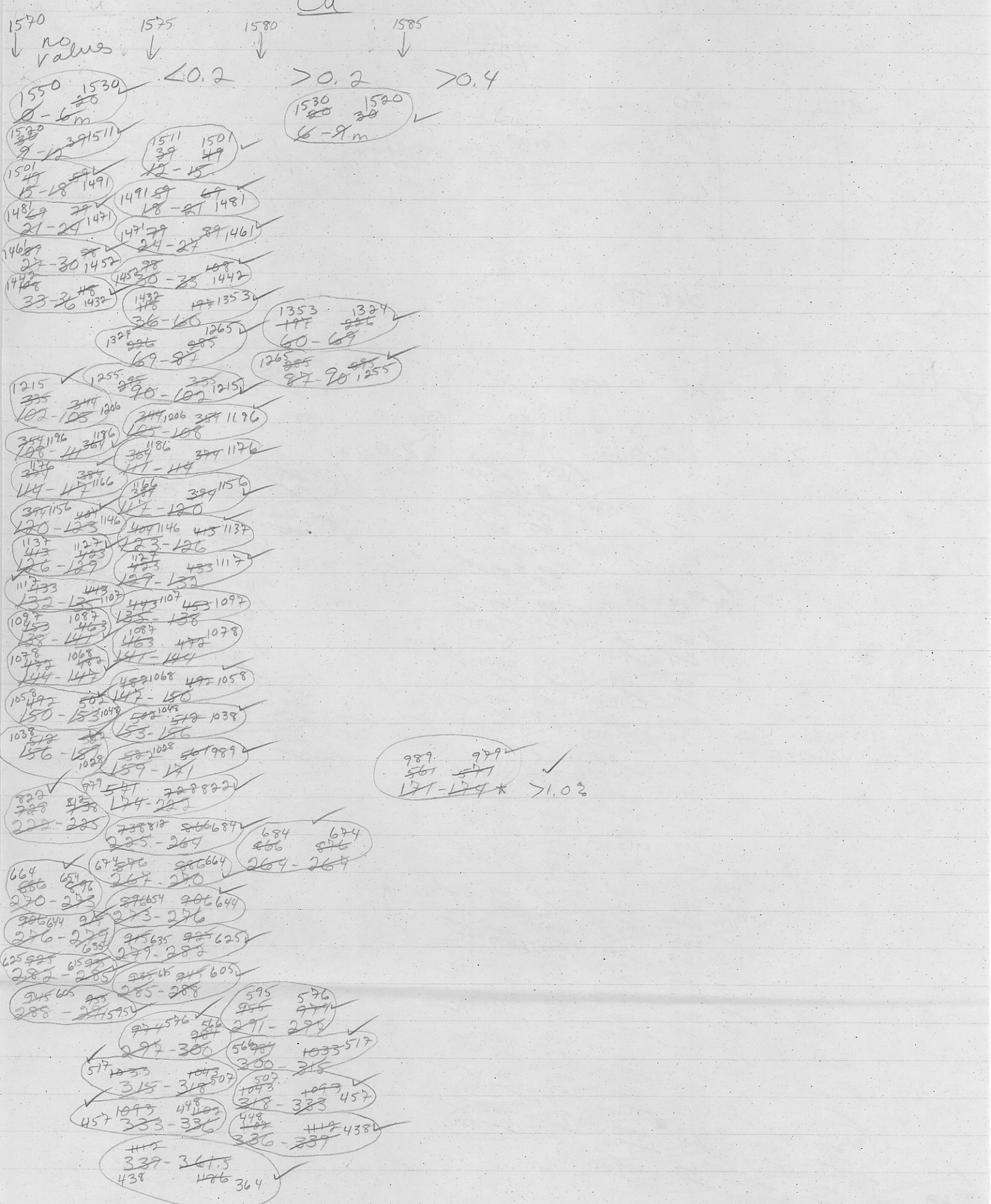
60667 - 676 (10)

60695 - 98 (4)

20

elev. 1550'

Cu

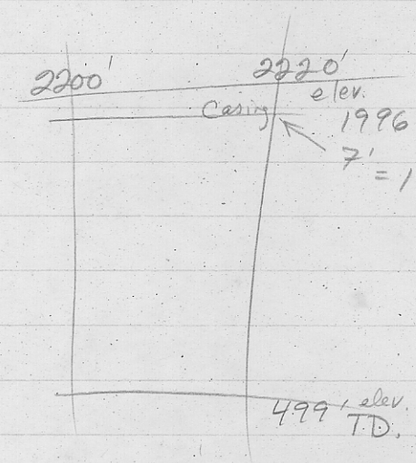


#173

	E	N	
80A	233416.0	246881.0	collar elev. 1996 ~~20~~'
201	233490.5	244785.9	depth 1497.0'
	74.5	2095.1	vertical

$\sqrt{c^2} = 2096'$

2095'
+ 110'
2205'



Cu

2220' no values

2225' <0.2 1989 ~~7~~ - ~~351~~ 1645 ✓

2230' >0.2 1645 ~~351~~ - 1635 ~~361~~ ✓ 1635 ~~361~~ - 1242 ~~754~~ ✓ 1242 ~~754~~ - 1232 ~~769~~ ✓ 1232 ~~769~~ - 927 ~~1069~~ ✓ 927 ~~1069~~ - 917 ~~1079~~ ✓ 917 ~~1079~~ - 897 ~~1099~~ ✓ 897 ~~1099~~ - 789 ~~1207~~ ✓ 789 ~~1207~~ - 779 ~~1217~~ ✓ 779 ~~1217~~ - 759 ~~1237~~ ✓ 759 ~~1237~~ - 740 ~~1256~~ ✓ 740 ~~1256~~ - 720 ~~1276~~ ✓ 720 ~~1276~~ - 661 ~~1335~~ ✓ 661 ~~1335~~ - 651 ~~1345~~ ✓ 651 ~~1345~~ - 582 ~~1414~~ ✓ 582 ~~1414~~ - 553 ~~1443~~ ✓ 553 ~~1443~~ - 543 ~~1453~~ ✓ 543 ~~1453~~ - 499 ~~1497~~

2235' >0.4

Au

2185' >0.02

2190' >0.01 1989 ~~7~~ - ~~351~~ 1645 1638 ✓ 1638 ~~351~~ - 1618 ~~371~~ ✓ 1618 ~~371~~ - 1609 ~~380~~ ✓ 1609 ~~380~~ - 1599 ~~390~~ ✓ 1599 ~~390~~ - 1589 ~~400~~ ✓ 1589 ~~400~~ - 1579 ~~410~~ ✓ 1579 ~~410~~ - 1559 ~~430~~ ✓ 1559 ~~430~~ - 1549 ~~440~~ ✓ 1549 ~~440~~ - 1235 ~~754~~ ✓ 1235 ~~754~~ - 1225 ~~764~~ ✓ 1225 ~~764~~ - 910 ~~1079~~ ✓ 910 ~~1079~~ - 890 ~~1099~~ ✓ 890 ~~1099~~ - 792 ~~1197~~ ✓ 792 ~~1197~~ - 782 ~~1207~~ ✓ 782 ~~1207~~ - 762 ~~1227~~ ✓ 762 ~~1227~~ - 733 ~~1256~~ ✓ 733 ~~1256~~ - 703 ~~1286~~ ✓ 703 ~~1286~~ - 664 ~~1325~~ ✓ 664 ~~1325~~ - 635 ~~1354~~ ✓ 635 ~~1354~~ - 625 ~~1364~~ ✓ 625 ~~1364~~ - 536 ~~1453~~ ✓ 536 ~~1453~~ - 499 ~~1497~~

2195' <0.01

2200' no values

all typ 7'

907*

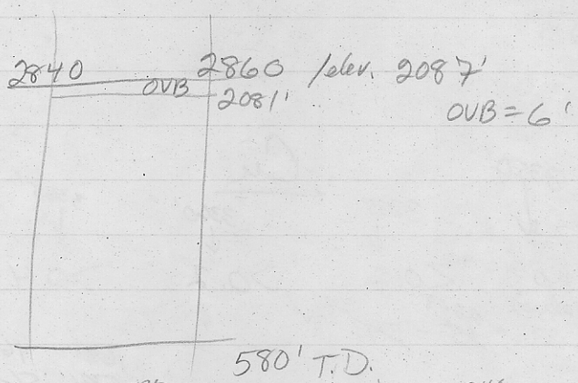
#172

	E	N
80A	233416.0	246881.0
172	233544.41	244139.7
	128.41	2741.3

collar elev. 2086.6' = 2087'
depth 1507'

$TC^2 = 2744$

2741'
+ 110' (80A)
2851



Cu

2860 ↓ <0.2 | 2865 ↓ >0.2 | 2870 ↓ >0.2 | 2875 ↓ >0.4

2081 - 861 1226 ✓

1226 - 861 1216 - 871 ✓

1216 - 871 580 - 1507 ✓

2825 ↓ >0.02 | 2830 ↓ >0.01 | 2835 ↓ <0.01 | 2840 ↓

Au

2081 - 5 - 15 2072 ✓

2072 - 15 - 25 2062 ✓

2062 - 25 - 34 2053 ✓

2053 - 34 - 44 2043 ✓

2043 - 44 - 202 1885 ✓

1885 - 202 - 212 1875 ✓

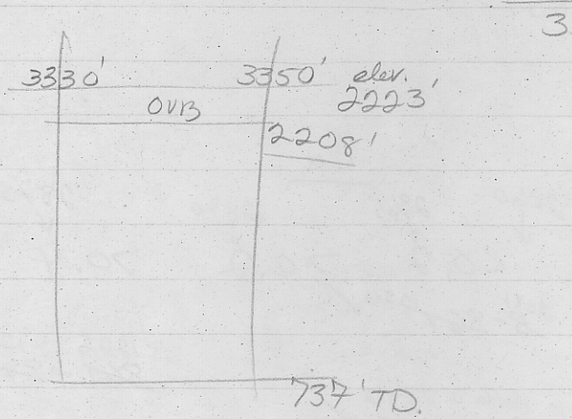
1875 - 212 - 1507 580 ✓

#154

	E	N
80A	233416.0	246881.0
154	233555.91	243649.3
	139.9	3231.7

$\sqrt{C^2} = 3235'$ use 3232' + 110' = 3342'

Collar elev. 2223.4'
depth 1486'
Vertical



Cu

3350' no values. 3355' <0.2 3360' >0.2 3365' >0.4

2208 15 - 541 1681 ✓
1681 541 - 560 1663 ✓
1663 560 - 600 1623 ✓
1623 600 - 610 1613 ✓
1613 610 - 620 1603 ✓
1603 620 - 630 1593 ✓
1593 630 - 640 1583 ✓
1583 640 - 660 1563 ✓
1563 660 - 670 1553 ✓
1553 670 - 700 1523 ✓
1523 700 - 710 1513 ✓
1513 710 - 750 1473 ✓
1473 750 - 760 1463 ✓
1463 760 - 780 1443 ✓
1443 780 - 790 1433 ✓
1433 790 - 800 1423 ✓
1423 800 - 810 1413 ✓
1413 810 - 830 1403 ✓
1403 830 - 840 1393 ✓
1393 830 - 840 1383 ✓
1383 840 - 904 1319 ✓
1319 904 - 914 1309 ✓
1309 914 - 1486 737 ✓

Au

3315' >0.02 3320' >0.01 3325' <0.01 3330' no values

2208 15 - 100 2108 ✓
2108 100 - 105 2103 ✓
2103 105 - 140 2098 ✓
2098 140 - 121 2087 ✓
2087 121 - 330 1893 ✓
1893 330 - 340 1883 ✓
1883 340 - 541 1682 ✓
1682 541 - 610 1613 ✓
1613 610 - 650 1573 ✓
1573 650 - 660 1563 ✓
1563 660 - 670 1553 ✓
1553 670 - 690 1533 ✓
1533 690 - 710 1513 ✓
1513 710 - 720 1503 ✓
1503 720 - 830 1393 ✓
1393 830 - 840 1383 ✓
1383 840 - 1486 737 ✓

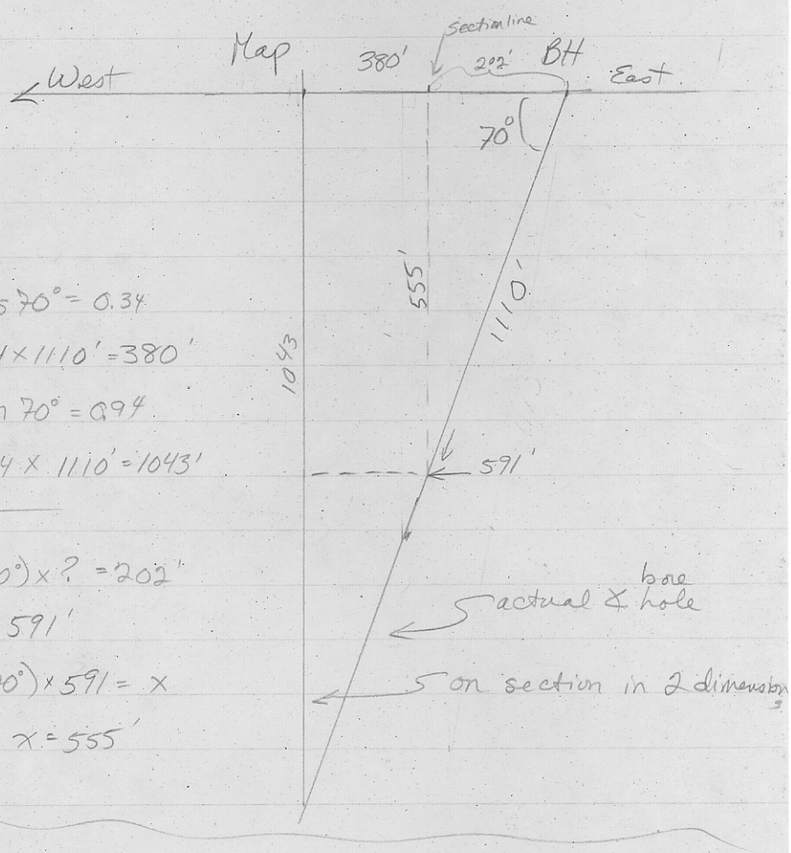
#175

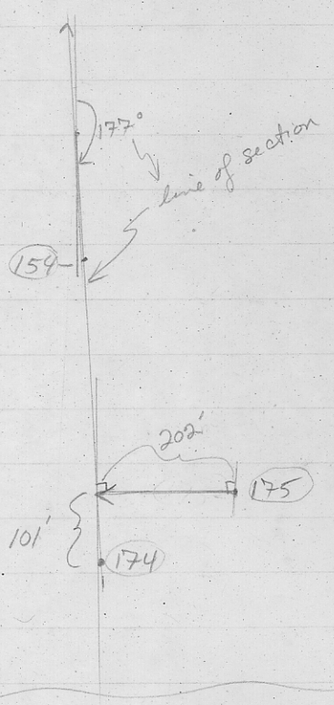
	E.	N.
#175	233791.3	243308.09
#174	233589.3	243207.00
	202.0	101

collar elev. 2215.5' 2216

T. depth. 1110 1043

hole at ∠ 70° @ 270°





$\cos 70° = 0.34$

$0.34 \times 1110' = 380'$

$\sin 70° = 0.94$

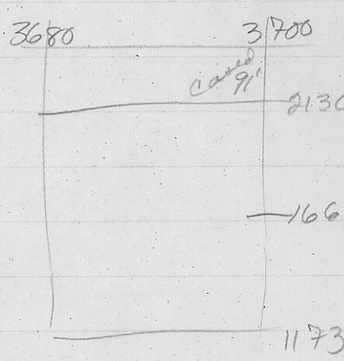
$0.94 \times 1110' = 1043'$

$(\cos 70°) \times ? = 202'$

$? = 591'$

$(\sin 70°) \times 591 = x$

$x = 555'$



$\sin 70° = .93969$

$= .94$

Cu

3700 3705 3710 3715

<0.2 >0.2 >0.4

2130 ~~96~~ 91 - ~~415~~ ~~388~~ 1828 ✓

1828 ~~388~~ 413 - ~~486~~ 483 1790 ✓

1790 ~~486~~ 453 - ~~473~~ 502 1744 ✓

1744 ~~473~~ 502 - ~~499~~ 531 1717 ✓

1717 ~~499~~ 531 - 1110 ~~1045~~ 1173 ✓

Au

3665 3670 3675 3680

>0.02 >0.01 <0.01

2130 ~~86~~ 91 - ~~157~~ ~~148~~ 2068 ✓

✓ 2068 ~~148~~ 157 - ~~167~~ ~~157~~ 2059 ✓

2059 ~~157~~ 167 - ~~176~~ 2040 ✓

✓ 2040 ~~176~~ 187 - ~~207~~ ~~195~~ 2021

221 ~~195~~ 207 - 236 ~~222~~ 1994 ✓

✓ 1994 ~~222~~ 236 - ~~246~~ ~~231~~ 1985

231 1985 246 - ~~276~~ ~~259~~ 1957 ✓

✓ 1957 ~~259~~ 276 - ~~285~~ ~~268~~ 1948

268 1941 285 - 305 ~~287~~ 1929 ✓

✓ 1929 ~~287~~ 305 - ~~315~~ ~~296~~ 1920

296 1920 315 - ~~344~~ ~~323~~ 1893 ✓

✓ 1893 ~~323~~ 344 - ~~354~~ ~~333~~ 1883

333 1883 354 - 394 ~~370~~ 1846 ✓

✓ 1846 ~~370~~ 394 - ~~426~~ 453 1790

1790 ~~426~~ 453 - ~~748~~ ~~705~~ 1513 ✓

✓ 1513 ~~703~~ 748 - ~~758~~ ~~715~~ 1503

715 1503 758 - 1110 ~~1043~~ 1173 ✓

#174

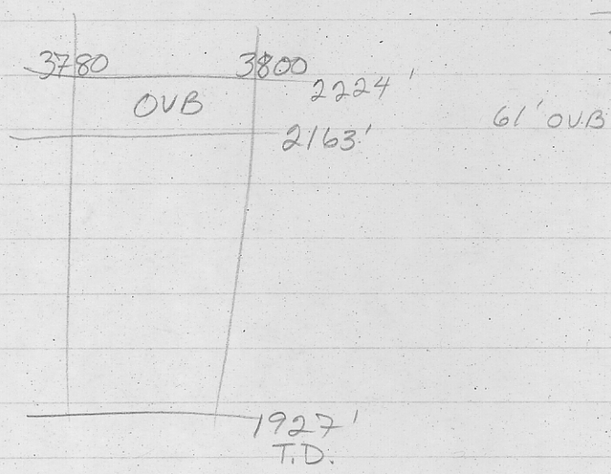
	E	N
#80A	233416.0	246881.0
#174	233589.3	243207.0
	173.3'	3674.0'

collar elev. 2223.7'
depth 297'

Vertical hole

$\sqrt{c^2} = 3678'$

3674'
+ 110 A
3784'



Au
3765' 3770' 3775' 3780'
>0.02 >0.01 <0.01
2163 2096
61-128
2096 2086
128-138
2086 1927
138-297

Cu
3800' 3805' 3810' 3815'
<0.2 >0.2 >0.4
2163 1927
61-297