

37

# 37

V-4

V-4

NATIONAL  
ENGINEERS' BOOKS

| Number | STYLE              | Thickness | Size    |
|--------|--------------------|-----------|---------|
| 401    | Field Book         | 60 Leaves | 7 x 4¼  |
| 402    | Level Book         | 60 Leaves | 7 x 4¼  |
| 405    | Field Book         | 80 Leaves | 7½ x 4⅝ |
| 406    | Field Book         | 80 Leaves | 7½ x 4⅝ |
| 407    | Level Book         | 80 Leaves | 7½ x 4⅝ |
| 408    | Transit Book       | 80 Leaves | 7½ x 4⅝ |
| 408¼   | Cross Section Book | 80 Leaves | 7½ x 4⅝ |
| 409    | Cross Section Book | 80 Leaves | 8½ x 6¾ |

MADE WITH AND WITHOUT TABLES

4  
NATIONAL  
CIVIL ENGINEERS'

FIELD, LEVEL, TRANSIT

AND

CROSS SECTION BOOKS



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BY

NATIONAL BLANK BOOK CO.

Oct 4 - 1931

Vanadium Alloys

Moab Utah

- 1 -

E

Number

401

402

405

406

407

408

408  $\frac{1}{4}$

409

Diamond Drill Hole  
 Survey - Oct 5 - 1931  
 Frisco Property - VANADIALLOYS

Scouts up

T = tunnel

2

| PT #  | AZ.        | Slope Dist | Vert L | Hor. Dist | BS | FS | IM | ELY | HL | RHS                   |
|-------|------------|------------|--------|-----------|----|----|----|-----|----|-----------------------|
| #15   | 163°40'    |            |        | 118.0     |    |    |    |     |    |                       |
| #14   | 166°23'    |            |        | 95.0      |    |    |    |     |    |                       |
| #12   | 150°32'    |            |        | 62.0      |    |    |    |     |    |                       |
| #11   | 152°50'    |            |        | 48.7      |    |    |    |     |    |                       |
| #18   | 112°30'    |            |        | 43.7      |    |    |    |     |    |                       |
| #8    | 107°14'    |            |        | 66.5      |    |    |    |     |    |                       |
| #7    | 96°32'     |            |        | 54.2      |    |    |    |     |    |                       |
| #6    | 99°35'     |            |        | 38.2      |    |    |    |     |    | description not plain |
| 5     | 127°47'    |            |        | 38.1      |    |    |    |     |    |                       |
| #4    | 165°±      |            |        | 29.±      |    |    |    |     |    | not found a blank     |
| #3    | 129°23'    |            |        | 20.8      |    |    |    |     |    |                       |
| #2    | 98°20'     |            |        | 27.3      |    |    |    |     |    |                       |
| #1    | 59°15'     |            |        | 51.1      |    |    |    |     |    |                       |
| 68T-1 |            |            |        |           |    |    |    |     |    |                       |
| 68T   | 33°30'     | 74.6       | +8°35' | 73.76     |    |    |    |     |    |                       |
|       | 211°04'    |            |        |           |    |    |    |     |    |                       |
|       | 211°04'    |            |        |           |    |    |    |     |    |                       |
|       | 215°35'    |            |        |           |    |    |    |     |    |                       |
|       | 275°49.30" |            |        |           |    |    |    |     |    |                       |
|       | 235°07'    |            |        |           |    |    |    |     |    |                       |
| 143-  |            |            |        |           |    |    |    |     |    |                       |
| 143   | 359°42'    |            |        | 27.36     |    |    |    |     |    | 4.6                   |
| 11    |            |            |        |           |    |    |    |     |    |                       |
|       |            |            |        | 11.73     |    |    |    |     |    |                       |

description not plain

not found a blank

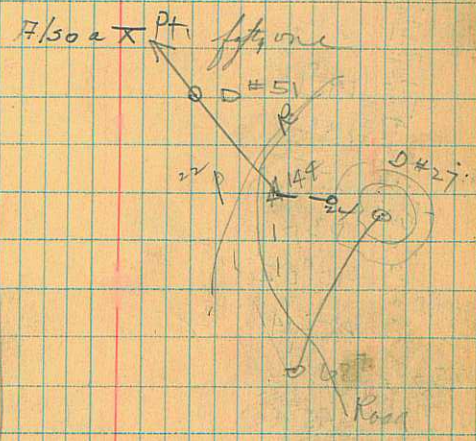
To E corner 25 (3)

⊙ ⊙ ⊙ To L side of site

To line between line 25 and 26

To NE corner Sec 36

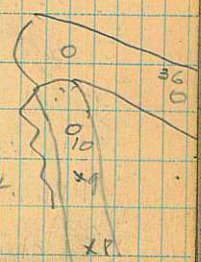
| Pt   | AZ      | Slope Dist  | Vert L     | Hor. Dist | BS | FS | IM | Elev | HIS | FHS |
|------|---------|-------------|------------|-----------|----|----|----|------|-----|-----|
| T145 | 30°15'  |             |            | 107.3     |    |    |    |      |     |     |
| #48  | 29°38'  |             |            | 83.55     |    |    |    |      |     |     |
| D#49 | 29°55'  |             |            | 46.8      |    |    |    |      |     |     |
| #50  | 40°44'  |             |            | 17.45     |    |    |    |      |     |     |
| D#37 | 343°30' |             |            | 77.0      |    |    |    |      |     |     |
| D#54 | 339°52' |             |            | 30.0      |    |    |    |      |     |     |
| #56  | 304°25' |             |            | 43.4      |    |    |    |      |     |     |
| D#55 | 288°55' |             |            | 19.0      |    |    |    |      |     |     |
| D#52 | 214°40' |             |            | 20.8      |    |    |    |      |     |     |
| D#53 | 169°18' |             |            | 29.5      |    |    |    |      |     |     |
| D#51 |         |             |            |           |    |    |    |      |     |     |
| D#51 | 30°15'  | 96.4        | -10°20'    | -75.16    |    |    |    |      |     |     |
| #24  | 19°38'  |             |            | 25.0      |    |    |    |      |     |     |
| #23  | 57°10'  | <u>best</u> | <u>loc</u> | 36.5      |    |    |    |      |     |     |
| 144  |         |             |            |           |    |    |    |      |     |     |
| D#27 | 104°22' | 103.06      | 9°16'      | 101.72    |    |    |    |      |     |     |
| T144 | 73°58'  |             |            | 102.65    |    |    |    |      |     |     |
| #22  | 60°48'  |             |            | 91.2      |    |    |    |      |     |     |
| #21  | 77°50'  |             |            | 75.2      |    |    |    |      |     |     |
| #20  | 84°00'  |             |            | 57.5      |    |    |    |      |     |     |
| #19  | 92°04'  |             |            | 72.3      |    |    |    |      |     |     |
| #16  | 160°30' |             |            | 142.4     |    |    |    |      |     |     |
| 685  |         |             |            |           |    |    |    |      |     |     |





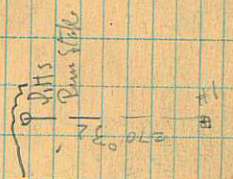
| Pt     | Az      | Slope | Dist | Vert. L | Hor. Dist | Bs | Fs | mm | Elev | H I | Stations         |
|--------|---------|-------|------|---------|-----------|----|----|----|------|-----|------------------|
| 74     | 171°19' |       |      |         | 53.3      |    |    |    |      |     | Stations         |
| D# 108 | 152°14' |       |      |         | 58.2      |    |    |    |      |     | (of topo Survey) |
| D# 28  | 191°06' |       |      |         | 45.2      |    |    |    |      |     |                  |
| D# 31  | 194°24' |       |      |         | 61.0      |    |    |    |      |     |                  |
| D# 200 | 197°28' |       |      |         | 72.8      |    |    |    |      |     |                  |
| D# 29  | 207°32' |       |      |         | 66.8      |    |    |    |      |     |                  |
| D# 22  |         |       |      |         |           |    |    |    |      |     |                  |
| D# 23  | 209°18' |       |      |         | 79.6      |    |    |    |      |     |                  |
| D# 34  | 225°37' | 74.0  |      | -7°50'  |           |    |    |    |      |     |                  |
| D# 35  | 220°32' | 56.5  |      | -7°37'  |           |    |    |    |      |     |                  |
| D# 36  | 241°00' | 54.1  |      | -10°22' | 53        |    |    |    |      |     |                  |
| D# 10  | 225°18' | 37.7  |      | -15°06' | 36.4      |    |    |    |      |     |                  |
| D# 9   | 252°09' | 31.8  |      | -18°35' | 30        |    |    |    |      |     |                  |
| D# 27  |         | 31.8  |      |         |           |    |    |    |      |     |                  |

Recon plot (this hole is about 3' NW of 37)



in open cut.

|                |         |       |  |        |       |  |  |  |  |  |                             |
|----------------|---------|-------|--|--------|-------|--|--|--|--|--|-----------------------------|
| BT #1          | 197°40' |       |  |        | 39.8  |  |  |  |  |  | BT. #1-12 1/2" pins on      |
| #4             |         |       |  |        |       |  |  |  |  |  | Stake by black station      |
| #22            | 106°47' |       |  |        | 56.7  |  |  |  |  |  | NX1 cov DANITA              |
| BT #3          | 190°01' |       |  |        | 43.7  |  |  |  |  |  | BT #3 6319 8" pins          |
| #43            | 190°06' |       |  |        | 6 1/2 |  |  |  |  |  |                             |
| ANIMAL no. 124 | 90°32'  |       |  |        |       |  |  |  |  |  |                             |
| Pin            | 270°32' | 250.9 |  | -3°40' |       |  |  |  |  |  | Recon. 3" pins stake on Pin |
|                | 124°29' |       |  |        |       |  |  |  |  |  |                             |



no ledge top Dist to well defined creek

Carl -

| P.T.          | AZ       | Slope Dist | Vert L  | Hor Dist | BS | FS   | IM    | Elev    | HI      | R | Remarks          |
|---------------|----------|------------|---------|----------|----|------|-------|---------|---------|---|------------------|
| D<br>60       | 41° 54'  |            |         | 46.2     |    |      | 6.05  | 6000.53 | 6006.58 |   |                  |
| D<br>63       | 314° 12' |            |         | 50.1     |    |      | 10.1  | 5996.57 |         |   |                  |
| D<br>64       | 281° 50' |            |         | 39.5     |    |      | 10.14 | 5996.18 |         |   |                  |
| D<br>58-<br>7 |          |            |         |          |    | 1.60 |       | 6004.98 |         |   | FS. base D65     |
| D<br>58       | 343° 04' | 72.1       | -5° 20' | 71.79    |    |      |       |         |         |   |                  |
| D<br>62       | 344° 33' |            |         | 140.2    |    |      |       |         |         |   | on secondary rim |
| D<br>59       | 344° 17' | 110.1      |         | 110.1    |    |      |       |         |         |   |                  |
| D<br>58       | 343° 05' |            |         | 71.5     |    |      |       |         |         |   |                  |
| D<br>133      | 327° 30' |            |         | 40.1     |    |      |       |         |         |   |                  |
| D<br>57       | 303° 30' |            |         | 58.6     |    |      |       |         |         |   |                  |
| D<br>134      | 281° 30' |            |         | 28.0     |    |      |       |         |         |   |                  |
| D<br>140      | 161° 34' | 205.4      | +0° 50' |          |    |      |       |         |         |   |                  |
| D<br>139      | 160° 50' | 170.7      |         | 170.7    |    |      |       |         |         |   |                  |
| D<br>138      | 161° 29' |            |         | 132.3    |    |      |       |         |         |   |                  |
| D<br>137      | 161° 02' |            |         | 81.60    |    |      |       |         |         |   |                  |
| D<br>136      | 172° 07' |            |         | 41.0     |    |      |       |         |         |   |                  |
| D<br>135T     |          |            |         |          |    |      |       |         |         |   |                  |
| D<br>147      | 82° 22'  |            |         | 195.75   |    |      |       |         |         |   |                  |
| D<br>135      | 82° 22'  | 162.6      |         | 162.6    |    |      |       |         |         |   |                  |
| D<br>107      | 137° 23' |            |         | 96.3     |    |      |       |         |         |   |                  |
| D<br>26       | 112° 55' |            |         | 61.4     |    |      |       |         |         |   |                  |
| D<br>27-<br>7 |          |            |         | 61.4     |    |      |       |         |         |   |                  |





| Pt    | D    | Az      | Slope Dist | Ver L  | Hor L  | BS   | FS   | IM   | Elev.   | HI      |                          |
|-------|------|---------|------------|--------|--------|------|------|------|---------|---------|--------------------------|
|       | 81   | 234°34' |            |        | 80.55  |      |      | 5.4  | 6014.94 | 6020.06 | from g                   |
|       | 92   | 217°22' |            |        | 131.5  |      |      | 3.7  | 6016.36 |         |                          |
|       | 79   | 214°40' |            |        | 100.75 |      |      | 4.85 | 6015.21 |         |                          |
|       | 75   | 212°04' |            |        | 57.0   |      |      | 6.0  | 6014.06 |         |                          |
|       | 80   | 253°39' |            |        | 47.1   |      |      | 7.3  | 6012.76 |         |                          |
|       | 76   | 214°50' |            |        | 29.4   |      |      | 5.2  | 6014.86 |         |                          |
| K148- |      |         |            |        |        | 147  | 5.76 |      | 6014.30 | 6015.77 | - from g<br>top 10       |
| K148  | 1148 | 155°13' | 82.95      | 40°37' | 82.95  |      |      |      |         |         |                          |
|       | 70   | 157°48' |            |        | 35.7   |      |      | 3.0  | 6012.77 |         |                          |
|       | 89   | 207°51' |            |        | 217.8  |      |      |      |         |         | see previous page        |
|       | 82   | 203°47' |            |        | 162.6  |      |      | 0.25 | 6015.72 |         |                          |
|       | 94   | 208°50' |            |        | 125.65 |      |      | 1.55 | 6014.22 |         |                          |
|       | 119  | 206°07' |            |        | 86.0   |      |      | 2.4  | 6013.37 |         |                          |
|       | 120  | 201°35' |            |        | 50.1   |      |      | 3.9  | 6011.87 |         |                          |
|       | 122  | 33°48'  |            |        | 52.8   |      |      | 3.3  | 6012.42 |         |                          |
|       | 123  | 34°10'  |            |        | 105.4  |      |      | 2.4  | 6013.37 |         |                          |
| 121   |      |         |            |        |        | 0.36 | 3.41 |      | 6012.70 | 6012.72 | top 269                  |
|       |      |         |            |        |        | 2.15 | 3.08 |      | 6009.64 | 6011.79 |                          |
|       | 121  | 155°13' |            |        | 184.85 |      |      | 0.8  | 6010.99 |         |                          |
|       | 69   | 155°37' |            |        | 144.6  |      |      | 0.7  | 6011.09 |         |                          |
|       | 68   | 155°40' |            |        | 68.0   |      |      | 3.3  | 6008.49 |         |                          |
|       | 67   | 156°27' |            |        | 26.6   |      |      | 4.32 | 6007.47 |         | RR on by hole solid rock |
|       | 124  | 110°52' |            |        | 85.4   |      |      | 3.7  | 6008.09 |         |                          |

147-

Lands down

16

10  
23  
12.8

| DT       | FTZ     | Slope | Vol. L | Hor. Dis | BS | FS | M    | Elev    | HT      |
|----------|---------|-------|--------|----------|----|----|------|---------|---------|
| 198<br>D | 266°00' |       |        | 109.5    |    |    | 12.8 | 6007.73 | 6020.53 |
| 197<br>D | 266°06' |       |        | 67.8     |    |    | 10.7 | 6009.83 | ✓       |
| 196<br>D | 250°20' |       |        | 31.4     |    |    | 7.0  | 6013.53 | ✓       |
| 184<br>D | 226°24' |       |        | 54.1     |    |    | 7.56 | 6013.07 | ✓       |
| 185<br>D | 241°06' |       |        | 85.3     |    |    | 9.7  | 6010.83 | ✓       |
| 186<br>D | 225°41' |       |        | 106.2    |    |    | 6.3  | 6014.23 | ✓       |
| 187<br>D | 212°18' |       |        | 76.8     |    |    | 6.3  | 6014.23 | ✓       |
| 188<br>D | 196°55' |       |        | 54.0     |    |    | 4.8  | 6015.73 | ✓       |
| 189<br>D | 165°12' |       |        | 46.2     |    |    | 1.0  | 6019.53 | ✓       |
| 183<br>D | 146°54' |       |        | 21.0     |    |    | 3.60 | 6016.93 | ✓       |
| 191<br>D | 136°34' |       |        | 116.6    |    |    | 2.3  | 6018.23 | ✓       |
| 190<br>D | 141°43' |       |        | 75.9     |    |    | 1.9  | 6018.63 | ✓       |
| 193<br>D | 124°13' |       |        | 51.1     |    |    | 3.1  | 6017.43 | ✓       |
| 144<br>D | 89°27'  |       |        | 68.0     |    |    | 5.2  | 6015.33 | ✓       |
|          | 301°46' |       |        | g        |    |    |      | 6016.60 | 6020.00 |
|          |         |       |        |          |    |    |      |         |         |
| 149<br>D | 243°53' |       |        | 165.5    |    |    |      |         |         |
| 172<br>D | 157°49' |       |        | 108.70   |    |    | 2.2  | 6017.86 | ✓       |
| 177<br>D | 176°46' |       |        | 54.9     |    |    | 3.6  | 6016.46 | ✓       |
| 171<br>D | 160°32' |       |        | 28.75    |    |    | 3.76 | 6016.30 | ✓       |
| 178<br>D | 191°47' |       |        | 38.9     |    |    | 5.0  | 6015.06 | ✓       |
| 143<br>D | 238°41' |       |        | 100.8    |    |    | 5.1  | 6014.96 | ✓       |

- all from H.I.e

in Road

- from H.I.e on top of 19 to Crack in ledge

set  
{ set a flat rock with  
cross marked stone

5.1

148

Fusco #2

Oct 6 - 1951 18

| D                | FZ      | Slope | Dist   | Hor    | BS   | FS   | III   | Elev.   | HI      |
|------------------|---------|-------|--------|--------|------|------|-------|---------|---------|
| 106              | 0°12'   |       |        | 96.25  |      |      | 3.07  | 6010.83 | 6013.90 |
| 110              | 7°28'   |       |        | 133.8  |      |      | 7.75  | 6006.15 |         |
| 111              | 21°04'  |       |        | 108.0  |      |      | 4.4   | 6009.50 |         |
| 105              | 22°24'  |       |        | 76.2   |      |      | 1.85  | 6012.05 |         |
| 104              | 34°10'  |       |        | 34.25  |      |      | 2.6   | 6011.30 |         |
| 113              | 78°47'  |       |        | 52.1   |      |      | 1.2   | 6012.70 |         |
| 114              | 115°35' |       |        | 39.0   |      |      | 1.3   | 6012.60 |         |
| 150 <sup>+</sup> |         |       |        |        |      |      |       |         |         |
|                  |         |       |        |        | 9.57 |      |       |         |         |
|                  |         |       |        |        | 7.46 | 5.87 |       |         |         |
| 112              | 3°32'   |       |        | 152.7  |      |      | +11.6 | 6008.87 | 6020.53 |
| 141              | 30°55'  |       |        | 104.0  |      |      | 7.86  | 6012.67 |         |
| 142              | 27°24'  |       |        | 79.5   |      |      | 8.11  | 6012.38 |         |
| 115              | 33°23'  |       |        | 27.8   |      |      | 7.0   | 6013.53 |         |
| 118              | 14°35'  |       |        | 116.0  |      |      | 6.0   | 6014.53 |         |
| 117              | 16°05'  |       |        | 88.5   |      |      | 7.85  | 6012.68 |         |
| 116              | 5°00'   |       |        | 56.6   |      |      | 7.4   | 6013.13 |         |
| 115              | 32°52'  |       |        | 59.2   |      |      | 7.32  | 6013.21 |         |
| 150              | 331°30' | 107.6 | -4°25' | 107.30 |      |      | 8.05  | 6012.48 |         |
| 103              | 331°02' | 107.9 | -4°10' |        |      |      | 11.7  | 6008.83 |         |
| 102              | 315°26' | 80.9  | -6°08' |        |      |      | 9.35  | 6011.18 |         |
| 101              | 321°35' |       |        | 29.25  |      |      | 7.2   | 6013.33 |         |
| 100              | 297°42' |       |        | 51.9   |      |      | 9.55  | 6010.98 |         |
| 99               | 286°17' |       |        | 90.7   |      |      | 11.9  | 6008.63 |         |

HI

BM #3  
Bin 3

all time from HI

(On ledge Sec. Bin)

Now Sec. Bin  
Level set here

149

Levels down  
 P1 A2 Slope Dist Vert L Hn BS FS Elev HI

155 270°26' 152.8 -10°15' 150.36  
 Ia 327°37' 85.2 11.10  
 145 352°47' 69.7  
 90°08' 71.8 +13°35' - - 7.75 0.35

9.9 6041.46  
 6051.01 6058.76

End of NYC for coal of the York is a shot out west of here

154

154 WP 175°02' 228.8 -2°40' 228.55  
 153 244°24' 23.0  
 WP 153 127°20' 8.3

2.70 6056.06

This WP is on west side of Road  
 BM #2 152 4 Road  
 6 To Road

153

153 153°16' 277.0 +5°34' 275.7  
 152 178°06' 212.6 +1°40' 212.6  
 73 178°25' 69.1

0.91 11.35 6047.91 6048.32

station 1073 This TP is not on 154

152 178°06' 212.6 +1°40' 212.6  
 73 178°25' 69.1

0.34 11.77 6036.55 6036.89

2.22 8.48 6028.41 6030.63

(up 152?) 1072

10.40 6020.23  
 5.00 6025.63

85 x 480 set 157 49  
 6019.09 6023.44  
 6092.85

Began Oct 7th 1931

179°43'

4.35 11.54  
 1.05 10.59

6019.09 6023.44  
 6092.85

151

298°15' 272.5 -8°10'

151

151 235°53' 9.9

5.03 6008.89 6013.90

Row 3 on Rock  
 11 55°53' E 9.9 ft  
 of Hole 103

150

Levels down  
Back -

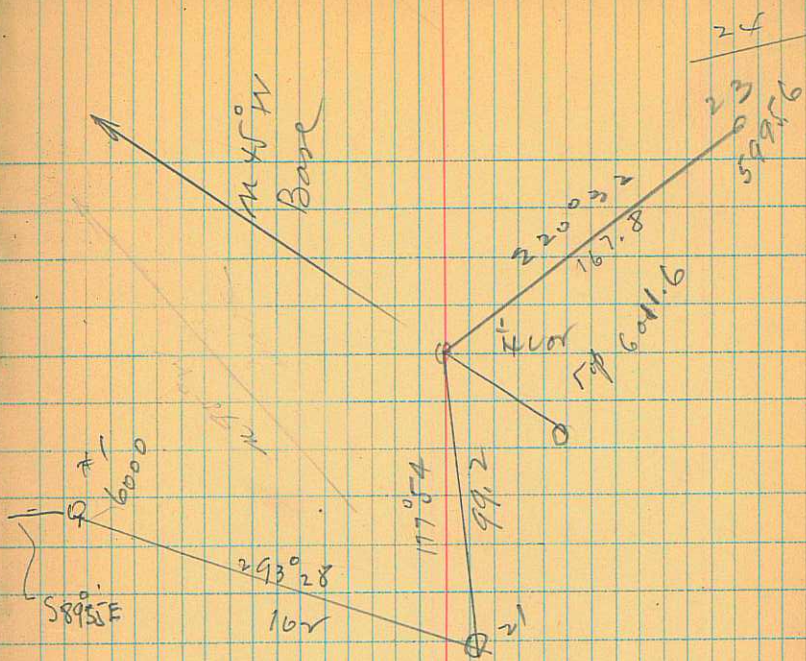
Oct 7 - 1931

22

Pt 172 Slope Dist Vert L Hand Bs FS IN Elev. HI

|                  |         |       |            |         |           |   |
|------------------|---------|-------|------------|---------|-----------|---|
| 1                |         | 10.18 |            | 6000.00 | 6010.18 ✓ | on ledge<br>on little Hornet                                |
|                  |         | 11.61 | 2.80       | 6007.38 | 6018.99 ✓ |   |
|                  |         | 11.36 | 0.87       | 6018.17 | 6029.58 ✓ |   |
| 151              | 298°40' | 121.3 |            | 7.5     | 6022 ✓    | not drilled   |
| 150              | 300°40' | 75.7  |            | 4.6     | 6024.88 ✓ | not drilled   |
| 149              | 306°14' | 42.1  |            | 4.5     | 6024.98   | not drilled   |
| 148              | 228°30' | 18.0  |            | 6.2     | 6023.28 ✓ | not drilled<br>11' in of Hornet<br>5' in of<br>on rim       |
| #1               | 208°32' |       |            | 5.4     | 6024.08 ✓ | Just been drilled   |
| D                | 35°04'  | 11.2  |            | 6028.96 | 6040.32 ✓ | Sp. for this on 10' pine stamp<br>behind 196-19197          |
| 147              | 30°50'  | 72.9  | 11.36 0.52 | 9.2     | 6031.12 ✓ |   |
| 146              |         |       |            |         |           |   |
| 155 <sub>A</sub> |         |       |            |         |           |   |
| ①                |         |       |            |         |           |   |
| 1                | 211°31' |       | 11.10 0.06 | 6040.26 | 6051.36   | set 27 2 26<br>This HI carried to ⑤ page<br>ES on + of a 19 |

lat



B 109°±

30'

lost

Lost. Location indefinite

86x

B5 to 681

340°30



Sacks on Funco #2  
 Diamond Drill Hole  
 Levels down

| Pt. | B5    | F5   | un    | Elev    | 14 F    |
|-----|-------|------|-------|---------|---------|
| 11  | 11.73 |      |       | 5973.44 | 5985.17 |
|     | 7.45  | 0.53 |       | 5984.64 | 5992.09 |
| D17 |       |      | 5.2   | 5986.9  | ✓       |
| D16 |       |      | 5.0   | 5987.1  | ✓       |
| D15 |       |      | 4.8   | 5987.3  | ✓       |
| D14 |       |      | 2.7   | 5989.4  | ✓       |
| D11 |       |      | 4.7   | 5987.4  | ✓       |
| D4  |       |      | 7.8   | 5984.3  | ✓       |
| D3  |       |      | 5.95  | 5986.64 | ✓       |
|     | 9.43  | 4.36 |       | 5987.73 | 5997.16 |
| D12 |       |      | 7.60  | 5989.56 | ✓       |
| D10 |       |      | 8.50  | 5988.66 | ✓       |
| D18 |       |      | 7.43  | 5989.73 | ✓       |
| D6  |       |      | 8.3   | 5988.86 | ✓       |
| D2  |       |      | 10.7  | 5986.46 | ✓       |
| D1  |       |      | 10.15 | 5987.01 | ✓       |
| D20 |       |      | 7.8   | 5989.36 | ✓       |
| D7  |       |      | 6.9   | 5990.26 | ✓       |
| D8  |       |      | 5.6   | 5991.56 | ✓       |
| D9  |       |      | 5.5   | 5991.66 | ✓       |
| D10 |       |      | 5.05  | 5992.11 | ✓       |
| D14 |       |      | 4.8   | 5992.36 | ✓       |
| D21 |       |      | 7.0   | 5990.16 | ✓       |
| D22 |       |      | 9.1   | 5988.06 | ✓       |

on Rock

lost

on Rock

Levels con.

Levels down

11.2 ✓  
1.9 ✓  
13.1 ✓  
30

|       | B5   | F5    | UM   |           |         |
|-------|------|-------|------|-----------|---------|
| D 24  |      |       | 6.55 | 5990.61   | 5997.16 |
| D 23  |      |       | 3.90 | 5993.26 ✓ |         |
|       |      |       | 0.72 | 5996.44 ✓ |         |
|       | 0.57 | 11.99 |      | 5985.17   | 5985.74 |
| D 52  |      |       | 5.7  | 5980.0 ✓  |         |
| D 53  |      |       | 4.37 | 5981.37 ✓ |         |
| D 51  |      |       | 5.00 | 5980.74 ✓ |         |
| D 55  |      |       | 10.2 | 5975.5 ✓  |         |
| D 56  |      |       | 11.6 | 5974.14 ✓ |         |
| D 37  |      |       | 13.1 | 5972.6 ✓  |         |
| D 54  |      |       | 7.8  | 5977.94 ✓ |         |
| D 50  |      |       | 4.5  | 5980.24 ✓ |         |
| D 49  |      |       | 4.6  | 5981.14 ✓ |         |
| D 48  |      |       | 6.0  | 5979.74 ✓ |         |
| K 145 | 0.14 | 8.43  |      | 5977.31   | 5977.45 |
| D 38  |      |       | 4.8  | 5972.65 ✓ |         |
| D 39  |      |       | 6.4  | 5971.05 ✓ |         |
| D 40  |      |       | 6.0  | 5971.45 ✓ |         |
| D 47  |      |       | 4.5  | 5972.95 ✓ |         |
| D 46  |      |       | 4.53 | 5972.92 ✓ |         |
| D 45  |      |       | 0.30 | 5977.15 ✓ |         |
| D 44  |      |       | 0.90 | 5976.55 ✓ |         |
| D 43  |      |       | 4.4  | 5973.05 ✓ |         |
| D 42  |      |       | 6.0  | 5971.45 ✓ |         |
| D 41  |      |       | 5.8  | 5971.65 ✓ |         |

location approx  
marked 24 but should be 23  
Pom # 4, 11 1/2 ft S 60° W of hole 019

Lower Section

on rock with +

on rock

Levels down  
Con

12.1  
3.3  
15.4

11.7

32

|       | D S   | F S  | wn   | Elev.   | H.I.    |
|-------|-------|------|------|---------|---------|
| Pm 4  | 11.95 |      |      | 5996.44 | 6008.39 |
| D 35  |       |      | 12.9 | 5995.49 | -       |
| D 36  |       |      | 15.4 | 5992.99 | -       |
| D 34  |       |      | 11.2 | 5997.17 | -       |
| D 33  |       |      | 9.7  | 5998.69 | -       |
| D 29  |       |      | 6.1  | 6002.29 | -       |
| D 30  |       |      | 4.6  | 6003.79 | -       |
| D 31  |       |      | 4.5  | 6003.89 | -       |
| D 28  |       |      | 6.0  | 6002.39 | -       |
| D 27  |       |      | 5.69 | 6002.70 | -       |
| D 25  |       |      | 7.70 | 6000.69 | -       |
| D 26  |       |      | 1.8  | 6006.59 | -       |
|       | 8.69  | 1.03 |      | 6007.36 | 6016.05 |
| D 94  |       |      | 7.33 | 6008.72 | -       |
| D 108 |       |      | 7.82 | 6008.23 | -       |
| D 107 |       |      | 6.25 | 6009.80 | -       |
| D 106 |       |      | 5.26 | 6010.79 | -       |
| D 109 |       |      | 11.1 | 6004.95 | -       |
| D 110 |       |      | 10.  | 6006.05 | -       |
| D 111 |       |      | 6.5  | 6009.55 | -       |
| D 105 |       |      | 4.0  | 6012.05 | -       |
| D 112 |       |      | 3.4  | 6010.65 | -       |
|       | 0.37  | 9.77 |      | 6006.28 | 6006.65 |

on large flat rock no D hole  
on rock

Enrico Road

Levels down  
con

D = Double Lgd  
3 ✓

| D+    | B.S. | F.S. | in    |                   |
|-------|------|------|-------|-------------------|
| 135   |      |      | 1.60  | 6005.05 6006.65   |
| 134   |      |      | 3.10  | 6003.55 ✓         |
| 57    |      |      | 5.2   | 6001.45 ✓         |
| 133   |      |      | 3.0   | 6003.65 ✓         |
| 58    |      |      | 5.1   | 6001.55 ✓         |
| 64    |      |      | 10.5  | 5996.15 ✓         |
| 63    |      |      | 10.1  | 5996.55 ✓         |
| 59    |      |      | 5.3   | 6001.35 ✓         |
| 62    |      |      | 8.0   | 5998.65 ✓         |
| 60    |      |      | 6.2   | 6000.85 ✓         |
| 129   |      |      | 4.5   | 6002.15 ✓         |
| 128   |      |      | 3.3   | 6003.35 ✓         |
| 127   |      |      | 1.5   | 6005.15 ✓         |
| 130   |      |      | 3.5   | 6003.15 ✓         |
| 61    |      |      | 4.9   | 6001.75 ✓         |
| TP 65 |      |      | 1.67  | 6004.98 ✓         |
| 66    |      |      | 0.23  | 6006.42 ✓         |
| 131   | 7.94 | 0.37 |       | 6006.28 6014.28 ✓ |
| 127   |      |      | 7.34  | 6006.88 ✓         |
| 131   |      |      | 10.85 | 6003.37 ✓         |
| 126   |      |      | 7.9   | 6006.32 ✓         |
| 125   |      |      | 8.8   | 6005.42 ✓         |
| 132   |      |      | 8.0   | 6006.22 ✓         |
| 67    |      |      | 6.73  | 6007.49 ✓         |

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓

in Rock

RR on + in ledge

D ✓

D ✓

D ✓

D ✓

Levels down  
cm

36

6.05

| St. | B S  | F S  | mm   | Elev    | HI        |
|-----|------|------|------|---------|-----------|
| 136 |      |      | 9.7  | 6004.52 | 6014.22 ✓ |
| 137 |      |      | 7.65 | 6006.57 | ✓         |
| 138 |      |      | 5.70 | 6008.52 | D ✓       |
| 139 |      |      | 6.3  | 6007.92 | D ✓       |
| 140 |      |      | 7.05 | 6007.17 | ✓         |
| 141 |      |      | 3.1  | 6011.12 | D ✓       |
| 142 |      |      | 4.2  | 6010.02 | ✓         |
| 143 |      |      | 2.5  | 6011.72 | ✓         |
| 144 |      |      | 3.3  | 6010.92 | D ✓       |
|     | 3.53 | 1.86 |      | 6012.36 | 6015.89   |
| 123 |      |      | 2.60 | 6013.29 | D ✓       |
| 124 |      |      | 3.46 | 6012.43 | D ✓       |
| 125 |      |      | 4.00 | 6011.89 | D ✓       |
| 126 |      |      | 2.50 | 6013.39 | D ✓       |
| 127 |      |      | 1.70 | 6014.19 | D ✓       |
| 128 |      |      | 0.25 | 6015.64 | D ✓       |
| 129 |      |      | 3.10 | 6012.79 | D ✓       |
|     | 5.76 | 1.57 |      | 6014.32 | 6020.08   |
| 71  |      |      | 3.70 | 6016.38 | D ✓       |
| 72  |      |      | 5.00 | 6015.08 | D ✓       |
| 73  |      |      | 3.6  | 6016.48 | D ✓       |
| 74  |      |      | 6.0  | 6014.08 | D ✓       |
| 75  |      |      | 5.2  | 6014.88 | D ✓       |
| 76  |      |      | 7.1  | 6012.98 | D ✓       |

Top 069

Top Stake for Line 70

Levels Con  
down

11:2

38

| Pt. | B5   | F5   | un   | Elev    | H5      |
|-----|------|------|------|---------|---------|
| 81  |      |      | 5.2  | 6014.88 | 6020.08 |
| 143 |      |      | 5.1  | 6014.98 | -       |
| 79  |      |      | 4.8  | 6015.28 | -       |
| 92  |      |      | 3.6  | 6016.48 | -       |
|     | 3.93 | 3.47 |      | 6016.61 | 6020.54 |
| 144 |      |      | 5.2  | 6015.34 | -       |
| 141 |      |      | 8.1  | 6012.44 | -       |
| 142 |      |      | 7.0  | 6013.54 | -       |
| 118 |      |      | 7.8  | 6012.74 | -       |
| 117 |      |      | 7.4  | 6013.14 | -       |
| 116 |      |      | 7.35 | 6013.19 | -       |
| 95  |      |      | 6.00 | 6016.54 | -       |
| 93  |      |      | 3.2  | 6017.34 | -       |
| 91  |      |      | 2.3  | 6018.24 | -       |
| 90  |      |      | 1.9  | 6018.64 | -       |
| 89  |      |      | 0.9  | 6019.64 | -       |
| 88  |      |      | 4.6  | 6015.94 | -       |
| 87  |      |      | 6.3  | 6014.24 | -       |
| 84  |      |      | 7.46 | 6013.08 | -       |
| 85  |      |      | 9.7  | 6010.84 | -       |
| 96  |      |      | 7.0  | 6013.54 | -       |
| 97  |      |      | 10.7 | 6009.84 | -       |
| 98  |      |      | 13.0 | 6007.54 | -       |

Top <sup>Stk.</sup> 79 for wire hole 79

vision unpeared

Levels con.  
Down

11.53  
11.6

026  
600  
1560.0

40

| D    | BS   | FS    | um               |         |         |
|------|------|-------|------------------|---------|---------|
| 99   |      |       | 11.85            | 6008.69 | 6020.54 |
| 100  |      |       | 9.5              | 6011.04 | ✓       |
| 101  |      |       | 7.2              | 6013.34 | ✓       |
| 105  |      |       | 8.0              | 6012.54 | ✓       |
| 107  |      |       | 9.3              | 6011.24 | ✓       |
| 108  |      |       | 11.75            | 6008.79 | ✓       |
| Bm 3 | 5.92 | 11.67 | <del>11.67</del> | 6008.87 | 6014.79 |
| 114  |      |       | 2.40             | 6012.39 | ✓       |
| 113  |      |       | 2.1              | 6012.69 | ✓       |
| 104  |      |       | 3.5              | 6011.29 | ✓       |

D ✓

D ✓

D ✓

D ✓

D ✓

D ✓ on Rock

D ✓

D ✓

D ✓

|    |       |       |        |         |           |
|----|-------|-------|--------|---------|-----------|
| 79 | 7.58  |       |        | 6016.61 | 6024.19   |
| 73 |       |       | 4.00   | 6020.19 |           |
|    | 6.05  | 3.22  |        | 6020.97 | 6027.02 ✓ |
| 72 |       |       | 9.00   | 6018.02 | ✓         |
| 74 |       |       | 1.40   | 6025.62 | ✓         |
|    | 11.93 | 1.25  |        | 6025.77 | 6037.70   |
|    |       |       | 9.27   | 6028.43 |           |
|    | 10.72 | 1.14  |        | 6036.56 | 6047.28   |
|    | 11.88 | 0.57  |        | 6046.71 | 6058.59   |
|    |       |       | 2.53   | 6056.06 |           |
|    | 0.01  | 11.68 |        |         |           |
|    | 1.93  | 11.70 |        |         |           |
|    | 7.09  | 11.80 |        |         |           |
|    | 0.55  | 11.69 |        |         |           |
| #1 | 0.45  | 10.17 | on air | 6000.00 |           |

D ✓

D ✓

✓

Top R pt 152  
on old T.P

Bm #2 in 12" knee slump on divide

on 112

|             |              |
|-------------|--------------|
| 11 73       | 53           |
| 7 45        | 436          |
| 9 43        | 72           |
| 11 95       | 103          |
| 8 69        | 977          |
| 7 94        | 186          |
| 3 53        | 157          |
| 5 76        | 347          |
| <u>3 93</u> | <u>11 67</u> |

|                |                |
|----------------|----------------|
| 11 67          | 3 93           |
| 7 58           | 3 22           |
| 6 05           | 1 25           |
| 11 93          | 1 14           |
| 10 72          | 57             |
| 11 88          |                |
| <u>5983</u>    | <u>253</u>     |
| <u>1265</u>    | <u>1264</u>    |
| 47 19          |                |
| 6008 87        |                |
| <u>6056.06</u> | <u>6056.06</u> |

$$\begin{array}{r} 1.60 \\ \underline{.45} \\ 1.15 \end{array}$$

42

|              |              |
|--------------|--------------|
| 2.53         | 11.68        |
| 0.01         | 11.30        |
| 1.93         | 11.80        |
| 7.09         | 11.69        |
| 0.55         | 10.12        |
| 0.45         | 11.55        |
| <u>12.56</u> | <u>68.54</u> |
|              | <u>12.56</u> |
|              | 55.98        |
| 60.5606      |              |
| 55.98        | 11.55        |
| 4.577        | <u>55</u>    |
|              | <u>11.10</u> |



B5 FS m

#1

11.55

1.60

6000.00 6011.55

6009.95 ✓

6011.55  
1.60  
6009.95

~~4.55~~  
~~9.95~~

✓

on Hornet  
Pom #5 on rock

Oct 9 1921

Levels from Grade of Tunnel  
at Hornet Workup to 54 cor

sec 25 -

10.93

#

11.82

1.21

8.85

1.01

5983.06 5993.99 ✓

5992.78 6004.60

6003.59 6012.44

1.35 6011.09 ✓

2.49 6009.95

2.49  
1.35  
1.60  
6009.95  
6011.09  
2.49  
5983.

Grade of Tunnel #27

on 54 cor sec 25 -  
Pom #5 on Rock

31.60  
3.57  
28.03

3.57

200  
24.5 (18.5)  
175.5

Oct 8-1931

9929  
170  
675030  
992930  
1687930  
1678  
0.9

00  
24.5  
75.5

Slope Vert Hor Move ahead

|    |         |      |    |       |     |
|----|---------|------|----|-------|-----|
| 8A |         |      |    | 750   |     |
| 7A |         |      |    | 650   |     |
| 6A |         |      |    | 550   |     |
| 5A |         |      |    | 450   |     |
| 4A | 135°    |      |    | 350   |     |
| 3A | 135°    |      |    | 250   |     |
| X  |         |      |    | 170.1 |     |
| 2A |         |      |    | 150   |     |
| 2- | 135°    | 150' | 5° |       | 0.6 |
| 1A | 135°    |      |    | 50    |     |
| A° | 315°00' |      |    | 50    |     |

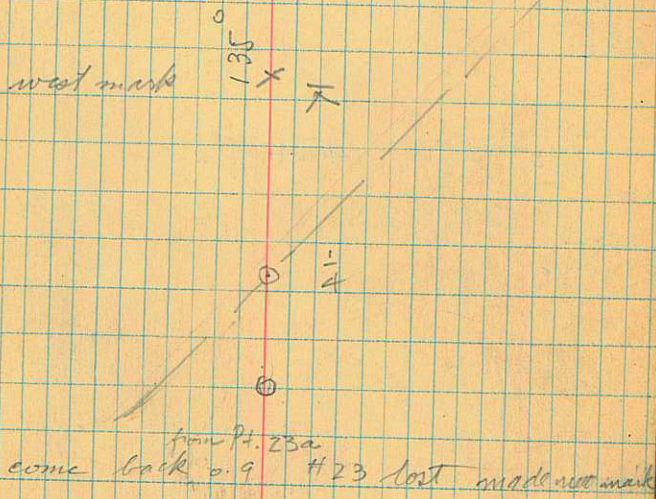
135°00'  
225°09' 6 1/4 sec cor of 25-

23A 220°32' 170 -6°50' 168.8

1/2 cor

6' from Base N 25° W 3'

6" + 24.5 to Top Tan  
from base S 4 North



| Pt    | Ang | Slope | Vert L | Hor D | RR  | Elev + HI          |
|-------|-----|-------|--------|-------|-----|--------------------|
| 9+1.8 | 225 |       | +3°40' | 180   | 6.0 | 6043.6 ✓           |
| 9+1   | 225 | 100   | +4°42' |       |     | 6041.7 ✓           |
| 9-2   | 45  |       | +0°55' | 200   |     | 6036.8 ✓           |
| 9-1   | 45° |       | -4°10' | 100   |     | 6026 ✓             |
|       | 45° | 60    | -9°    |       | 6.0 | 6022 ✓             |
| 9A-   |     |       |        |       | 4.4 | 6033.50 ✓ 6038.0 ✓ |

|      |      |  |        |     |     |                     |
|------|------|--|--------|-----|-----|---------------------|
| 10+1 | 225° |  | +2°13' | 100 |     | 6040.8 ✓            |
| 10-2 | 45°  |  | +2°    | 200 |     | 6043.8 ✓            |
| 10-1 | 45°  |  | +0°10' | 100 |     | 6037.1 ✓            |
| 10A- |      |  |        |     | 4.7 | 6036.81 ✓ 6041.51 ✓ |

### Cross cut

|       |         |       |        |       |  |  |
|-------|---------|-------|--------|-------|--|--|
| Cor 2 | 240°10' | 140.4 | +2°22' |       |  |  |
| Cor 1 |         |       |        | 53.6  |  |  |
| 11A-  | 296°45' |       |        | 105.0 |  |  |
| 11A   |         |       |        | 95.0  |  |  |
| 10A   |         |       |        | 85.0  |  |  |
| 9A    |         |       |        | 85.0  |  |  |

31  
 27  
 28  
 10  
 53  
 6010  
 6073  
 5883  
 9

631  
 22  
 40  
 17  
 3.5  
 360

By *Tommy* strip

on bottom *thru 5* Guide

of the # of Normal  
 to *Champ* on # 22  
 8 in *level* on # 25  
 10 *level* on # 28  
 14 Cedar. *BT* 7 years  
 + 40 to *st* *road*

$\frac{1053}{61}$   
 $\frac{9950}{69610}$   
 $\frac{995}{169150}$

| Pt  | Az   | Slope | Vert L | Hor | RR   | Elev      | HI       |
|-----|------|-------|--------|-----|------|-----------|----------|
| 6-2 | 45°  |       | -4°    | 100 |      | 6004.3    |          |
| 6-1 |      | 61    | -12°03 |     |      | 5998.3 ✓  |          |
| 6-1 | 45°  |       | -5°35  | 100 | 4.35 | 6011.3 ✓  |          |
| 6A- |      |       |        |     | 4.7  | 6011.3 ✓  |          |
|     |      |       |        |     |      | 6021.07 ✓ | 6025.77  |
|     |      |       |        |     |      | 6021.07 ✓ |          |
| 7-1 |      |       | same   | 170 |      | 6040.3 ✓  |          |
|     |      | 170   | +5°25  | 169 |      | 6040.3 ✓  |          |
| 7+1 | 225  |       | +3°10  | 100 |      | 6029.8 ✓  |          |
| 7A- |      |       |        |     | 4.7  | 6029.8 ✓  |          |
| 7-3 | 45°  |       | +4°13  | 100 |      | 6029.8 ✓  |          |
| 7-2 |      |       |        |     | 4.6  | 6029.8 ✓  |          |
| 7-2 | 45°  |       | -1°32  | 200 |      | 6019.0 ✓  | 6023.6 ✓ |
| 7-1 | 45°  |       | -8°25  | 100 |      | 6019.0 ✓  |          |
|     | 45°  | 95    | -9°34  |     |      | 6009.6 ✓  |          |
| 7A- |      |       |        |     | 4.6  | 6008.3 ✓  |          |
|     |      |       |        |     |      | 6024.28 ✓ |          |
| 8+2 | 225° |       | +4°42  | 200 |      | 6040.5 ✓  |          |
| 8+1 | 225  |       | +4°15  | 100 |      | 6031.5 ✓  |          |
| 8-2 | 45   |       | +1°    | 200 |      | 6027.6 ✓  |          |
| 8-1 | 45   |       | -4°02  | 100 |      | 6017.1 ✓  |          |
|     | 45°  |       | -5°    | 96  |      | 6015.8 ✓  |          |
| 8A- |      |       |        |     | 4.7  | 6024.09 ✓ | 6028.79  |

bot. gulch

Begin Oct 10-31

m

m

Bottom gulch

$$\begin{array}{r} 99.26 \\ 1987.2 \\ \hline 1987.2 \end{array}$$

$$\begin{array}{r} 189 \\ 1987.2 \\ \hline 1987.2 \end{array}$$

$$\begin{array}{r} 99.03 \\ 1980.6 \\ 99.0 \\ \hline 1987.2 \end{array}$$

| PT  | Az   | Slope D | Vert L  | Hor    | RR   | add | Elev    | H T                     |
|-----|------|---------|---------|--------|------|-----|---------|-------------------------|
| 4+1 | 225° |         |         | 100    |      |     | 6031.7  |                         |
|     |      | 100     | 7°08'   | 99.2   | 3.6  | 8   |         |                         |
| +94 | 225° |         |         |        |      |     |         |                         |
| 4-2 | 45°  |         | -6°25'  | 200    |      |     | 5997    | on rim                  |
| 4-2 | 45°  | 200     | -6°25'  | 198.72 |      | 1.2 | 5997    |                         |
| 4-1 | 45°  |         | -8°16'  | 100    | 3.6  |     | 6004.8  | use for f               |
| 4-1 | 45°  | 100     | -8°30'  | 98.9   |      | 1.1 |         |                         |
| 4A- |      |         |         |        | 3.6  |     | 6019.33 | on cross in ledge       |
| 5+2 |      |         | +6°56'  | 200.00 |      | mid | 6048.3  | 15' lower in ledge      |
|     |      | 200     | +6°52'  | 198.6  |      | 1.4 |         | Disc for Neighbor       |
| 5+1 | 225° |         | +4°02'  | 100    |      |     | 6031.0  | 5-2 is on line          |
| 5-2 | 45°  |         | -8°01'  | 200    |      |     | 5996.1  | all notes for this area |
| 5-1 | 45°  |         | -11°52' | 100    |      |     | 6003.0  | compute Elev by tan     |
| 5A- |      |         |         |        | 4.00 |     | 6024.03 |                         |
|     |      |         |         |        |      |     | 6028.03 |                         |
| 6+2 | 225° | 100     | +7°40'  | 99.1   |      |     | 6044.5  | BT6+10                  |
| 6+1 |      |         |         |        | 4.4  |     | 20502   | 6.37                    |
| 6+1 | 225° | 100     | +5°46'  |        | 4.7  |     | 6031.1  |                         |
| 6A- |      |         |         |        | 4.7  |     | 6021.07 |                         |
| 6-4 | 45°  |         | +3°50'  | 300    | 1.5  |     | 6034.0  |                         |
| 6-3 | 45°  |         | +2°55'  | 200    | 4.35 |     | 6021.4  |                         |
| 6A- |      |         |         |        |      |     | 6011.3  | 6015.6                  |

| Pt      | Az   | Slope | Vert L | Hor    | RR   |
|---------|------|-------|--------|--------|------|
| 1+107   | 225° | 108   | -6°14  | 107.35 | 4.1  |
| 1-8     | 45°  | 80    | -6°15  |        |      |
| 1A-     |      |       |        |        | 4.1  |
| 2+2     |      |       | -10°14 | 100    |      |
|         |      | 100   | -10°10 | 98.43  |      |
| 2+1A-   |      |       |        |        | 4.6  |
| 2+1     | 225° |       | -2°35  | 100    | 4.3  |
| 2A-     |      |       |        |        | 4.3  |
| 3+2.78  | 225° | 173   | -2°50  |        | 1.5  |
| 3+2     | 225° |       | -4°26  | 95.0   | 4.35 |
| 3+1.05A |      |       |        |        | 4.35 |
| 3+1.05  | 225° |       | +1°38  | 105    | 4.7  |
| 3H7     |      |       |        |        | 4.7  |
| 3-98    | 45°  |       | -29°15 | 18 1/2 | 4.8  |
| 3-0.796 |      |       |        |        | 4.8  |
| 3-796   | 45   | 80.00 | -6°02  | 79.60  | 6.00 |
| 3A-     |      |       |        |        | 4.6  |
| 4+2     | 225° |       | +2°22  | 100    | 4.00 |
| 4+1A    |      |       |        |        | 4.00 |

| ELEV    | HT        |
|---------|-----------|
| 6000    |           |
| 6003    | 1+1.07    |
| 6011.73 |           |
| 6003.5  | use tan f |
| 6019.6  |           |
| 6019.6  |           |
| 6024.08 |           |
| 6016.33 |           |
| 6023.63 | 6028.80   |
| 6023.63 |           |
| 6020.63 |           |
| 6001.0  |           |
| 6010.8  | 6015.6    |
| 6020.63 | 6025.23   |
| 6035.8  |           |
| 6031.7  |           |

994 80  
 979 52  
 994 80  
 79.5 20  
 826 20  
 10.5 20 34  
 994 80  
 795 60 0  
 796  
 1315  
 70.4  
 1.65  
 3.9  
 18.5  
 796  
 98.1  
 on Ram 6003  
 moved .5 check same dist L  
 use tan f  
 at 4.57  
 +32 to Road  
 not corrected for slope or run  
 +35 to Road  
 near river by 2 large Rocks  
 RR on ledge  
 on huge base rock  
 on river

Oct 11 - 1937  
Work on ch Hornet

27  
10

BS FS an Elev HI

|      |      |       |           |         |
|------|------|-------|-----------|---------|
|      |      | 12.0  | 5983.2    |         |
|      |      | 34.5  | 596070    |         |
|      |      | 17.5  | 597270    |         |
|      |      | 7.5   | 5987.70   |         |
| 9.72 | 8.15 |       | 5985.48   | 5995.20 |
|      |      | 6.00  | 5987.63   |         |
|      |      | 6.5   | 5987.13   |         |
|      | 0.48 | 11.15 | 5993.15   | 5993.63 |
| #1   | 4.30 |       | 6000.     | 6004.3  |
|      |      |       | levels up |         |

225° 19' E 4' W? rec 25  
156 175 18

4 x - 7° 54' 4.9

5981 = Elev.

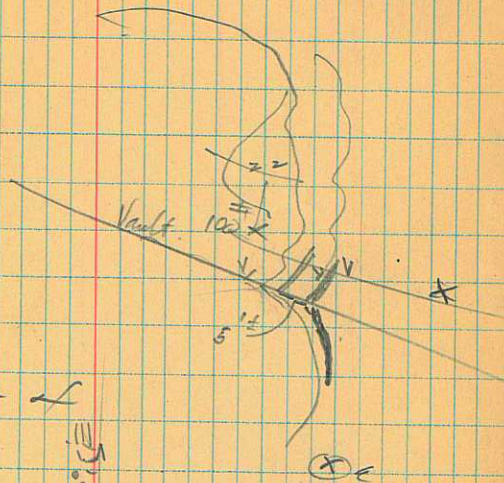
235

5992.78

4.75

5997.53 - HI

0



above Sutherland tunnel  
This HI is about 10'

on 5 line Hornet outline  
under strata

30 156  
Stinner side of strata 2'  
thick fine blowing

set 220 32 - 180 = 40 32  
to 5 x

22509 E $\frac{1}{4}$  cor 25

39°55' 12.94 Dry cedar

237°23' 44.02 Pinon

180°21' 21.41 Cedar

S $\frac{1}{4}$  cor 25

Reference S $\frac{1}{4}$  cor 25-

Note nail on base stake 2A seems NW  
to be about 12" too far to the right looking

meas. made from top all meas. to dot after x  
sd & cor to nails .. nail at this pt.  
direct

8 cedar  
marked  
BT. SE $\frac{1}{4}$  Pinon 8' dia  
marked SE $\frac{1}{4}$   
25.

leans so used  $\odot$  of  
cap

DIV Center  
marked  
BTH W B  
SE 25

to 3 bearing trees



Bs Fs um Elev HT

6.88  
11.77  
18.76  
11.88  
39.27  
6.12  
32.35

0.37  
5.30  
5.27  
3.31  
9.25  
39.27  
3002

6009.9  
32.81  
6042.80  
59.83  
59.80

11.64

|       |       |       |         |         |
|-------|-------|-------|---------|---------|
| 9m9   |       | 3.31  | 6039.97 | -       |
| 11A   |       | 0.48  | 6042.80 | -       |
| 10A   |       | 6.47  | 6036.81 | -       |
| 9A    |       | 9.8   | 6033.48 | -       |
|       | 11.88 | 0.27  | 6031.46 | 6043.28 |
| 8A    |       | 7.58  | 6024.09 | ✓       |
| 7A+65 |       | 13.0  | 6018.67 | ✓       |
| 7A    |       | 7.39  | 6024.28 | -       |
|       |       | 6.97  | 6024.70 | -       |
|       | 8.74  | 5.30  | 6022.93 | 6031.67 |
| 6A    |       | 7.16  | 6021.07 | ✓       |
| 5A    |       | 4.2   | 6024.03 | ✓       |
| 4A    |       | 8.9   | 6019.33 | ✓       |
| 3A+50 |       | 14.8  | 6013.43 | ✓       |
| 3A    |       | 7.60  | 6020.63 | ✓       |
| 2A    |       | 4.15  | 6024.08 | ✓       |
|       | 11.77 | 0.37  | 6016.46 | 6028.23 |
| 1A    |       | 5.10  | 6011.73 | ✓       |
| A0    |       | 12.50 | 6004.33 | ✓       |
| BM5   | 6.88  |       | 6009.95 | 6016.83 |

Level up

Scribed from 9  
on 6" pine stump 15 1/2' N45° W of 10A  
on hub  
on hub  
on hub

on ⊕ blue 2' S 45° E of 8A

on scale

on hub by 7A

on nail in 6" pine 2 1/2' N30° W of 7A  
sighted marked BM

on top 4x4 pine stake 6A

on loose rock by stake marked here

on + on ledge 1' NW of 4A

in wall

also PM7 app. 1 1/2' S45° E of 3A + in beam

also PM6 + in ledge 3' N45° E of 2A

on Rock near 5A

Stadia checks  
 on Hornet Co-ordinate  
 system  
 Stadia Vert L  
 + or -

RR

Elev

HT

4.8  
 01.8

1.0  
 2.0

7+17 4.8 +5°32

7+1 4.8 +3°10

7-2 4.8 -1°35

7-1 4.8 -8°08

9A-

8+2 5.2 +4°42

8+1 5.2 +4°10

8-2 5.2 +1°

8-1 5.2 -3°40

4.8

8A-

9+1.8 225° 6.0 +3°38

9+1 225° 4.5 +4°42

9-2 45° 4.5 +5°

9-1 45° 4.5 -4°

5.2 24.09 29.29

6042.7

9A-

10+1 225° 3 4 +1°24

10-2 15° 2.0 4.0 +1°27

10-1 45° 3.9 4.9 -0°06

4.50 6033.5 6078.

10A

4.8

on hub

| P+  | FZ     | L  | Slama | u | v  | Vert L<br>+ or - | RR   | Elev    | HIT               |
|-----|--------|----|-------|---|----|------------------|------|---------|-------------------|
|     | 1+1.07 |    |       |   |    | 4.45             |      |         |                   |
|     | 1-8    |    |       |   |    | 4.45             |      |         |                   |
| 1A- |        |    |       |   |    |                  | 4.45 |         |                   |
|     | 2+1    |    |       |   |    | -2°21            |      |         |                   |
| 2A  |        |    |       |   |    |                  | 4.65 |         |                   |
|     | 3+1.05 |    | 5.05  |   |    | +1°00            |      |         |                   |
| 3A- |        |    |       |   |    |                  | 5.05 |         |                   |
|     | 4+     |    | 4.61  |   |    | +7°08            |      |         |                   |
|     | 4-2    |    | 4.65  |   |    | -6°23            |      |         |                   |
|     | 4-1    |    | 4.65  |   |    | -8°18            |      |         |                   |
| 4A- |        |    |       |   |    |                  | 4.65 |         |                   |
|     | 5+2    |    | 4.1   |   |    | +6°57            |      |         |                   |
|     | 5+1    |    | 4.1   |   |    | +4°05            |      |         |                   |
|     | 5-2    |    | 4.1   |   |    | -7°58            |      |         |                   |
|     | 5-1    |    | 4.1   |   |    | -11°52           |      |         |                   |
| 5A- |        |    |       |   |    |                  | 4.1  |         |                   |
|     | 6+1    |    | 5     |   |    | +5°46            |      |         |                   |
|     | 6-4    |    |       |   |    | +4               |      |         |                   |
|     | 6-3    | 45 | 3½    | 5 | 6½ | 0°               |      |         | could not read it |
|     | 6-2    | 45 | 4     | 5 | 6  | -4°44            |      | 6004.57 |                   |
|     | 6-1    | 45 | 5.0   |   |    | -5°57            |      |         |                   |
| 6A- |        |    |       |   |    |                  | 5.00 | 6021.07 | 2.92 on top stake |

Check levels Oct 11-1931

5.7  
3.58

6.22  
7.44

Pt. BS FS in Elev. HI

37.96  
7.99  

---

29.97

Pm9 1.85

10A 5.00

hub

9A 8.32 2.55

on hub

8A 11.95

on ⊕ on ledge

7A 11.75 3.27

on hub

6A 6.72

5A 3.48

4A 8.2

+ on ledge

3A 6.89

Pm 27 + on ledge

Pm6 3.43

By 2 A

6.85 0.32

1A 9.25

Pm5 11.04

---

37.96 - 7.99 levels up

RS

240  
59  
299

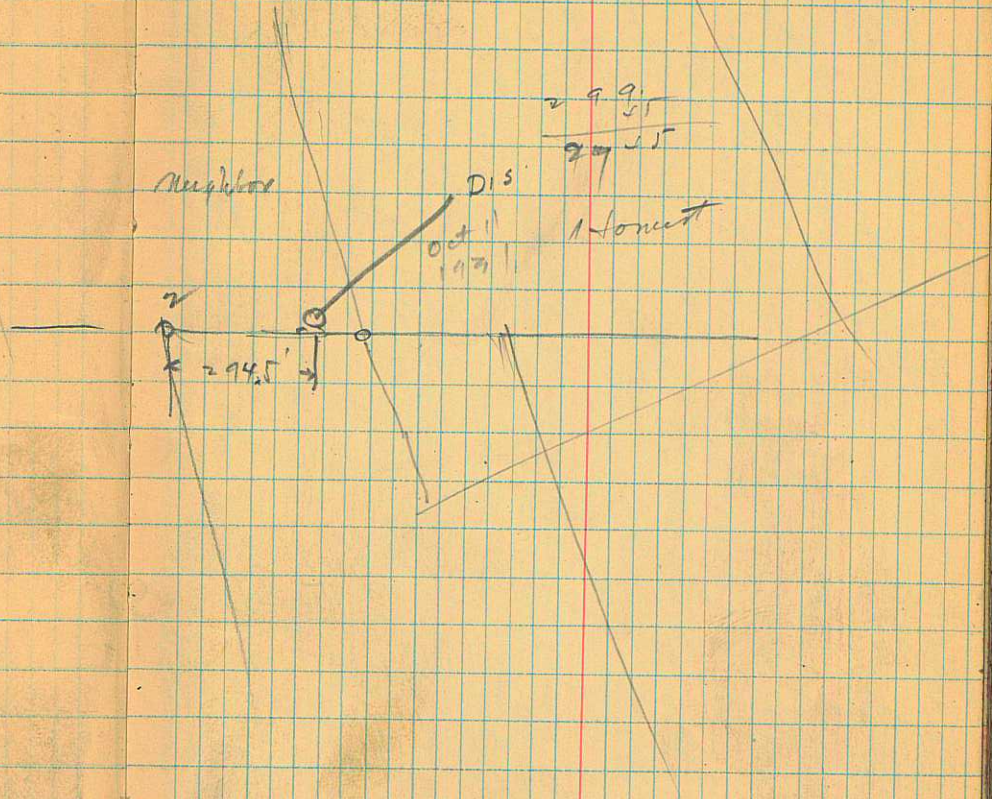
299  
55  
295

Neighbor

Dis

0.1  
1.1

Mount



Dis  
around 10°02 238

3 +1°43 5.37

for Next Neighbor

Dis  
N.E. May 3-31 10926 41.65

10.2

on N. strata near base Neighbor <sup>May 2-1931</sup>

5-2A

5.00

set 45°



707 200  
141.42 00

450

707 1  
450  
313 55 0  
282 7 4  
318.195 0

N S E W  
318.2 318.2

141.42  
234.00  
- 375.42  
318.2  
- 59.22  
50.1  
- 7.12  
50.1  
21.1

501  
0.115

141.4  
41.3  
500.4

5010 1.993  
4965 505  
4500  
4965

Down Oct 11 - 1931

|      | B S  | F S | un | Ele    | H <sub>2</sub> |
|------|------|-----|----|--------|----------------|
| D 79 | 4.01 |     |    | 616.61 | 6020.62        |

|      |  |  |  |      |         |
|------|--|--|--|------|---------|
| D 83 |  |  |  | 3.72 | 6016.90 |
| D 86 |  |  |  | 6.41 | 6014.17 |

on Funes 2

top stake for D<sup>#</sup> 79

D ✓ missed on checking



Oct 13 - 1931

Survey of Underground  
Working on the Camp Claim  
Deep Portal Tunnel

Slope Vert Hor Elev

85  
11.06  
7.03 1.05  
4.89 11.40  
5.44 11.20

2.36 7.26  
30.78  
# 8.253  
H 42 18°50 39.7

4 330°06 69.7  
96.2  
205.6

1 3 290°24 - 332 48 101.50 108.45

2 2 51°44 +0°34' 92.00 101.0  
211°03

100.0 4.75

101.5  
97.5  
40  
106.2

110.53  
97.5  
101.5  
97.5  
40 111.06

104.77  
7.26  
97.51

110.01  
7.03  
117.04  
105.62

99.93  
8.33  
91.60  
110.53  
98.5

104.77  
97.5  
7.27

180.9  
12.55  
105.6  
2.89  
110.53  
96.5

110.53  
17.2

99.93 99.33  
91.53 5.00  
8.50 104.77

on nail in roof for first

7.26  
97.51  
2.36  
99.89  
8.33  
91.54

To long fence on Williams

0



N 68° 42' W

check levels back

from pt (A)

BS FS IM

A 11.13

7.70 1.62

6.11 0.65

2.17 9.66

1 7.02

---

18.95

~~8.16~~

100816  

---

9184



Handwritten calculations on the left page of the notebook, including various numbers and operations:

$176$   
 $238$   
 $138$   
 $528$   
 $358$   
 $474$   
 $36$   
 $116$   
 $1707$   
 $500$   
 $35356$   
 $2828$   
 $1125318.150$   
 $331$   
 $1125$   
 $3375$   
 $3375$   
 $6006.4$   
 $6003.6$   
 $2.88$   
 $94$   
 $1152$   
 $2592$   
 $27.07$   
 $6005$   
 $27$   
 $5978$   
 $59713$   
 $10.68$   
 $123$   
 $3204$   
 $2136$   
 $1068$   
 $13.1362$   
 $43.6$   
 $151$   
 $305$   
 $5$   
 $6025$   
 $318.15$   
 $141.4$   
 $425$   
 $50205$

TABLE I.  
Natural Sines and Cosines.

| Degrees         | Sines 0°—45° |        |        |        |        |        |        | Degrees |
|-----------------|--------------|--------|--------|--------|--------|--------|--------|---------|
|                 | 0'           | 10'    | 20'    | 30'    | 40'    | 50'    | 60'    |         |
| 0               | .00000       | .00291 | .00582 | .00873 | .01164 | .01454 | .01745 | 89      |
| 1               | .01745       | .02036 | .02327 | .02618 | .02908 | .03199 | .03490 | 88      |
| 2               | .03490       | .03781 | .04071 | .04362 | .04653 | .04943 | .05234 | 87      |
| 3               | .05234       | .05524 | .05814 | .06105 | .06395 | .06685 | .06976 | 86      |
| 4               | .06976       | .07266 | .07556 | .07846 | .08136 | .08426 | .08716 | 85      |
| 5               | .08716       | .09005 | .09295 | .09585 | .09874 | .10164 | .10453 | 84      |
| 6               | .10453       | .10742 | .11031 | .11320 | .11609 | .11898 | .12187 | 83      |
| 7               | .12187       | .12476 | .12764 | .13053 | .13341 | .13629 | .13917 | 82      |
| 8               | .13917       | .14205 | .14493 | .14781 | .15069 | .15356 | .15643 | 81      |
| 9               | .15643       | .15931 | .16218 | .16505 | .16792 | .17078 | .17365 | 80      |
| 10              | .17365       | .17651 | .17937 | .18224 | .18509 | .18795 | .19081 | 79      |
| 11              | .19081       | .19366 | .19652 | .19937 | .20222 | .20507 | .20791 | 78      |
| 12              | .20791       | .21076 | .21360 | .21644 | .21928 | .22212 | .22495 | 77      |
| 13              | .22495       | .22778 | .23062 | .23345 | .23627 | .23910 | .24192 | 76      |
| 14              | .24192       | .24474 | .24756 | .25038 | .25320 | .25601 | .25882 | 75      |
| 15              | .25882       | .26163 | .26443 | .26724 | .27004 | .27284 | .27564 | 74      |
| 16              | .27564       | .27843 | .28123 | .28402 | .28680 | .28959 | .29237 | 73      |
| 17              | .29237       | .29515 | .29793 | .30071 | .30348 | .30625 | .30902 | 72      |
| 18              | .30902       | .31178 | .31454 | .31730 | .32006 | .32282 | .32557 | 71      |
| 19              | .32557       | .32832 | .33106 | .33381 | .33655 | .33929 | .34202 | 70      |
| 20              | .34202       | .34475 | .34748 | .35021 | .35293 | .35565 | .35837 | 69      |
| 21              | .35837       | .36108 | .36379 | .36650 | .36921 | .37191 | .37461 | 68      |
| 22              | .37461       | .37730 | .37999 | .38268 | .38537 | .38805 | .39073 | 67      |
| 23              | .39073       | .39341 | .39608 | .39875 | .40141 | .40408 | .40674 | 66      |
| 24              | .40674       | .40939 | .41204 | .41469 | .41734 | .41998 | .42262 | 65      |
| 25              | .42262       | .42525 | .42788 | .43051 | .43313 | .43575 | .43837 | 64      |
| 26              | .43837       | .44098 | .44359 | .44620 | .44880 | .45140 | .45399 | 63      |
| 27              | .45399       | .45658 | .45917 | .46175 | .46433 | .46690 | .46947 | 62      |
| 28              | .46947       | .47204 | .47460 | .47716 | .47971 | .48226 | .48481 | 61      |
| 29              | .48481       | .48735 | .48989 | .49242 | .49495 | .49748 | .50000 | 60      |
| 30              | .50000       | .50252 | .50503 | .50754 | .51004 | .51254 | .51504 | 59      |
| 31              | .51504       | .51753 | .52002 | .52250 | .52498 | .52745 | .52992 | 58      |
| 32              | .52992       | .53238 | .53484 | .53730 | .53975 | .54220 | .54464 | 57      |
| 33              | .54464       | .54708 | .54951 | .55194 | .55436 | .55678 | .55919 | 56      |
| 34              | .55919       | .56160 | .56401 | .56641 | .56880 | .57119 | .57358 | 55      |
| 35              | .57358       | .57596 | .57833 | .58070 | .58307 | .58543 | .58779 | 54      |
| 36              | .58779       | .59014 | .59248 | .59482 | .59716 | .59949 | .60182 | 53      |
| 37              | .60182       | .60414 | .60645 | .60876 | .61107 | .61337 | .61566 | 52      |
| 38              | .61566       | .61795 | .62024 | .62251 | .62479 | .62706 | .62932 | 51      |
| 39              | .62932       | .63158 | .63383 | .63608 | .63832 | .64056 | .64279 | 50      |
| 40              | .64279       | .64501 | .64723 | .64945 | .65165 | .65386 | .65606 | 49      |
| 41              | .65606       | .65825 | .66044 | .66262 | .66480 | .66697 | .66913 | 48      |
| 42              | .66913       | .67129 | .67344 | .67559 | .67772 | .67987 | .68200 | 47      |
| 43              | .68200       | .68412 | .68624 | .68835 | .69046 | .69256 | .69466 | 46      |
| 44              | .69466       | .69675 | .69883 | .70091 | .70298 | .70505 | .70711 | 45      |
|                 | 60'          | 50'    | 40'    | 30'    | 20'    | 10'    | 0'     |         |
| Cosines 45°—90° |              |        |        |        |        |        |        |         |