M-T ; Dos Cabezas ; Oct. 21

① Met Mike Brodie from Heinrichs (Wallaby) at property & spotted first 2 D.H.
#1 = 500' NW of Climax & 200' SW
#2 = 500' NW & 200' NE of Climax
advance 50'?

⑤ Edgar Anderson – 12 samples from assessment bulldozing – see attached – to send me copy of actual assay results. Visit each site with him – map & re-sample.

Climax Mine Area
"Bulldozer" Samples
Oct. 80

	Au	Ag	W
#1	0.139	1.00	TR
#2	0.102	1.00	X
#3	0.078	1.10	TR
#4	0082	<.05	X
#5	3.28	4.90	X
#6	0.074	2.15	.02
#7	.004	2.20	.02
#8	.036	5.15	0.50
#9	.094	<.05	TR
#10	0.014	~~[illegible]~~ 0.10	+
#11	0.074	1.30	X
#12	1.168	1.45	X

WALLABY ENTERPRISES

P. MICHAEL BRODIE
JR. GEOLOGIST & ARCHAEOLOGIST

810 WEST GRANT ROAD
TUCSON, ARIZONA 85705
602-623-0579

LAND ACQUISITION
ARCHAEOLOGICAL STUDIES
ENVIRONMENTAL IMPACT STUDIES

October 20th 1980
Dos Cabezas, Rt
Willcox, Ariz 85643

Maurcie Taylor
II40 Glenview Road
Canta Barbara, Calif 93108

Dear Mr Taylor

The sample assays are late due to mail service. The assay certifactes were mailed to me on 8th of October lost in the mail.

N. Vein Sample #-I- I5' wide assayed for au, ag, w taken about I20' east of leroy shaft, 30' north of leroy vein on intersecting vein. (North Vein)

Sample #-2- 8' wide assayed for au, ag,. Taken approx I5' south of #-I- sample on north vein intersecting Leroy vein.

Leroy Vein (S-7) Sample #-3- 3' wide approx 250' east of Leroy shaft on Leroy vein ? assayed for au, ag, w

Sample #-4- 6" wide approx 250' on north vein intersecting Leroy vein Assayed for au, ag.

Pit beside road Sample #-5- I8" wide approx 400' on north vein intersecting Leroy vein sample taken on south side of road.

Leroy Vein (S-7) Sample #-6- taken 9' wide, vein I8' wide approx 500' or 600' east of Leroy shaft on Leroy vein assayed for au, ag, w.

Leroy Vein (S-7) Sample #-7- taken 6' wide approx 700' east of Leroy shaft on Leroy vein assayed for au, ag, w.

No! 170' Long (S-1) Sample #-8- taken between Leroy shaft and Climax shaft on dibase dike I70' wide on surface a, trench cut on north side of road. Trench shows bedding plane of of dibase approx 50' or 40' above bedding plane of monzanite formation. The bedding plane is dipping approx 4" per I2" to east toward Leroy shaft. Sample #-8- was taken along bedding plane. I think 2' below plane schould be sampled. The ore on bedding plane is very interesting assayed for au, ag, w, schould be assayed for pt, pd. Steep dip E or SE ? ∴ not in DH-1 ?

Discovery or Lost Hope ? Sample #-9- taken approx I,I00' N E, of Leroy shaft, I assume is Leroy vein on lost hope claim. Sample taken 9' wide, vein structure approx 30' ~~22~~' wide, assayed for au, ag, w.

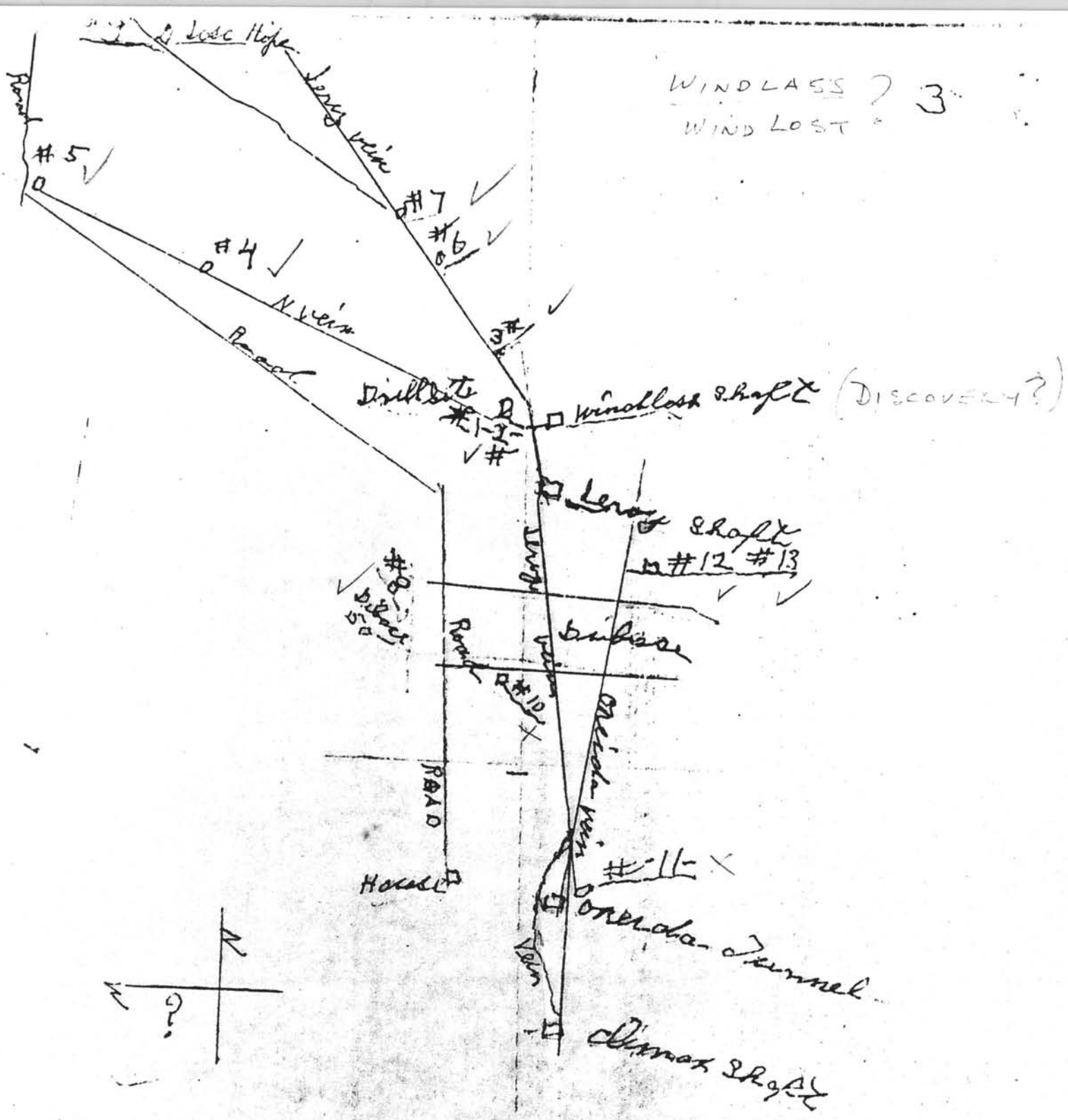
X Sample #-I0- taken on west side of dibase dike 2' wide assawed for au, ag. 0.14 Au 0.10 Ag

→ (S-1) Sample #-II- taken approx I5' ~~xxxxx~~ south east of assay office. Vein structure of Oneida Vein. #-II- sample shows palladium and gold mixed togeather alight yellow. schould be further explored with Bulldozer.

→ (S-3) Sample ~~#~~#-I2- taken approx 900' east on oneida vein. Vein structure approx I2' wide. 1.168 oz/t Au; 1.45 oz/t Ag P.Z. to try for pt/pd samples.

X (S-4) Sample #-I3- General dump sample where #-I2- sample was taken on Oneida vein. The samples were taken over a distance approx 2,600'. Inclosed is map sketch showing where samples were taken.

E.S. Anderson



PICTURE, MAP

all plotted on 100' Plan.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office

Registered Assayers

Since 1880

PHONE 622-0813

Certificate No. 60850

TUCSON, ARIZONA 85702 8 Oct. 1980

Sample Submitted by Mr E. S. Andinson

SAMPLE MARKED	GOLD Ozs. per ton ore	GOLD Value per ton ore *	SILVER Ozs. per ton ore	COPPER ~~Per cent Wet Assay~~	LEAD ~~Per cent Wet Assay~~	~~Per cent Wet Assay~~	WO_3 Per cent Wet Assay
#1	0.134		1.00	~ Tungsten Trioxide ~			TRACE
2	0.102		0.10				—
3	0.078		1.10				TRACE
4	0.082		<0.05				—
5	0.328		4.90				—
6	0.074		2.15				0.02
7	0.004		2.20				0.20
8	0.036		5.15				0.50
9	0.094		<0.05				TRACE
10	0.014		0.10				—
11	0.074		1.30				—
12	1.168		1.45				—
13	0.026		0.10				—

* Gold Figured ~~$800.00 per~~ oz. Troy

Charges $ 126 50

Very respectfully

@ $600 /oz , 0.01 = $6.00

Mr. Taylor
Dos Cabezas

OLIVER V. ANDERSON

724 24th St. Santa Monica, Cal. 90402
Phone 213 395 0696

June 27 1980

Robert A. Bell PH.D.
8702 E. Appomattox St.
Tucson, Arizona 85710

Dear Dr. Bell: RE: Dos Cabezas Mine.

Enclosed is a "pieced together" Xerox copy of Norman D. Lindsley's Dos Cabezas claims (veins & Intrusives) map. I referred to this map during our telephone conversation of 6/ 26/ 80. It was probably made about 1925. I do not know the procedures or techniques employed by Mr Lindsley in preparing this information. However, the data on veins and intrusives appears to conform well with such information as we have otherwise obtained.

I have discussed with Mr Taylor the problem of the assessment work required for the unpatented claims for 1980. I suggested that we might utilize a bulldozer to cut trenches to locate veins that are now covered with several feet of overburden. A minimum of $1,200.00 (twelve hundred dollars) assessment work is required. Mr Taylor suggested that I consult with you and then after a procedure is planned, my brother Edgar would contact a bulldozer man and proceed with the work as soon as possible. Edgar would spot the locations for the cuts, and sample vein material encountered.

Mr Taylor thought that if we were successful in reaching the veins beneath the overburden, the results obtained might indicate the advisability of continuing further with this procedure in order to establish the veins surface locations.

I hope to hear from you as soon as you have had an opportunity to examine and study the enclosed material, either directly or thru Mr Taylor.

Enclosed is an additional map of the unpatented and patented claims on which I have positioned Lindsley's veins and intrusives data. The following notes refer to data on this later map.

NOTE # 1 The Owners (Andersons) had a driller put down three fifty foot deep (two and seven eights inch diameter) holes here during the last week in February 1978. They were hammer holes and the assay data from them is shown on the enclosed notated Xeroxed Assay sheet.

Note # 2 I suggest a 100 foot length cut down to firm rock as shown on the RICO claim map. This cut should intersect the RICO veins near the indicated "Y" point. Assays could be made of the vein material. This cut should be made in direction of N-40°-W. The midpoint of the cut should be located 600 feet northerly from the Northeast corner of claim Le Roy in a direction N-38 E and about 150 feet from the nearest Easterly edge of the joint border of the LOST HOPE and RICO claims. A cut made at or near this location should not be overly difficult for a bulldozer operator.

Additional exploratory work with either a bulldozer or backhoe may be planned after further analysis of the claims veins maps and or other significant data. I hope to hear from you soon.

Sincerely

Oliver V. Anderson

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

5 copies

Tucson, Arizona, 10 March, 19 78

Sample Submitted by Mr. E. S. Anderson

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore*	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay	WO3 Per Cent Wet Assay
#1 OE	TRACE		3.05		TUNGSTEN	TRIOXIDE		0.08
2 OE	TRACE		0.55		"	"		0.08
3 OE	0.01	1.00	0.40		"	"		0.12
7 OE	0.015	1.50	7.20		"	"		0.08
8 OE	0.01	1.00	0.40		"	"		0.11
9 OE	TRACE		0.45		"	"		0.07

*Gold Figured $100.00 per oz. Troy

Charges $ 144.00 paid

Very respectfully, Ben P. Jacobs

Assays marked (I- OE), (2- OE), (3- OE), were taken from an average of their respective hole grindings in the RANGE from 0 to 40 feet. Assay marked (7- OE) is from an average of the 40 to 50 foot depth of hole NUMBER ONE. Assay marked (8- OE) is from an average of grindings from the 40 to 50 foot depth of hole Number Two. Assay marked (9- OE) is from an average of grindings from the 40 to 45 foot depth of hole Number Three. Water was encountered at a depth of 45 feet in hole # 3. A drill bit was lost At fifty foot depth in hole # I. A drill bit became worn out at 50 foot depth in hole # 2.

These holes are located in about the middle of the old roadway between the Climax Area and the Le Roy Shaft. A westerly extension of the northerly edge of the claim WAR EAGLE intersects the center line of the old roadway at a distance of about I20 feet from the North West Corner Of the claim WAR EAGLE. This point of intersection is designated as point (WEI). Hole # 3 is located 44 feet northerly from point (WEI). Hole #I is located 84 feet northerly from POINT (WEI). Hole #2 is located I24 feet northerly from Point (WEI). The Southerly edge of the Intrusive dike crosses the old roadway at about 20 feet Southerly from point (WEI) and the Northerly edge of the dike crosses the old roadway at about I55 feet Northerly of POINT (WEI). The intrusive dike width along the roadway appears to be about I75 feet. Six of the lines on the assay sheet dated March I0 I978 have been blanked out as they were for assays on prospects away from this claim group. The assays on the assay sheet dated April I8 I978 were from an average of each of the respective hole grindings to check on copper- lead- zinc VALUES.

1435 SOUTH 10TH AVENUE
TUCSON, ARIZONA 85713

Jacobs Assay Office
Registered Assayers

PHONE 622-0813

Tucson, Arizona, 18 April 1978

Sample Submitted by Mr. E. S. Anderson Dos Cabezas

Sample Marked	GOLD Ozs. per ton ore	GOLD Value per ton ore*	SILVER Ozs. per ton ore	COPPER Per cent Wet Assay	LEAD Per cent Wet Assay	ZINC Per Cent Wet Assay	Per Cent Wet Assay	Per Cent Wet Assay
#1	—	—	—	0.06	0.06	0.03		
#2	—	—	—	0.05	0.05	0.02		
#3	—	—	—	0.07	0.05	0.02		

78

*Gold Figured $100.00 per oz. Troy

Charges $ 21.00 paid

Very respectfully,

(2)

Field Notes For Wednesday Jan 28, 1981

1) Rico Discovery Shaft -
30' deep
strike N 40° E
Dip 56° NW
max quartz vein width 5-6"

Brg. to Gold
Brind = 340°
Place sait-near "4".
→ Pat to give me another Brg.

2) Windlass or Lost Hope
60' shaft
strike N 26° W
Dip 85° NW
complex quartz structure 18"-2' across

Drw 1" = 100'

3) Small dig above road between Windlass and Leroy (North vein?)
5' deep
strike N 40° E
Dip 80° SE
complex quartz structure 2' wide

Plotted on 1" = 100'

4) Leroy shaft - (picnic lunch)
no head frame
thickness of vein undetermined
Dip 69° NW

Drw 1" = 100'

Surface Samples

Oneida Adit (no Sample #)

Definitely not a simple Quartz Vein, but rather a composite vein or perhaps even a mineralized fault or shear zone.

There may be a main quartz band from a few inches up to a foot thick + several other quartz bands or stringers separated by: mineralized "granite", diabase (?), dark green chlorite rock or occasionally even massive sulphides. The old stopes show very smooth sharp walls to the vein.

Sample includes:

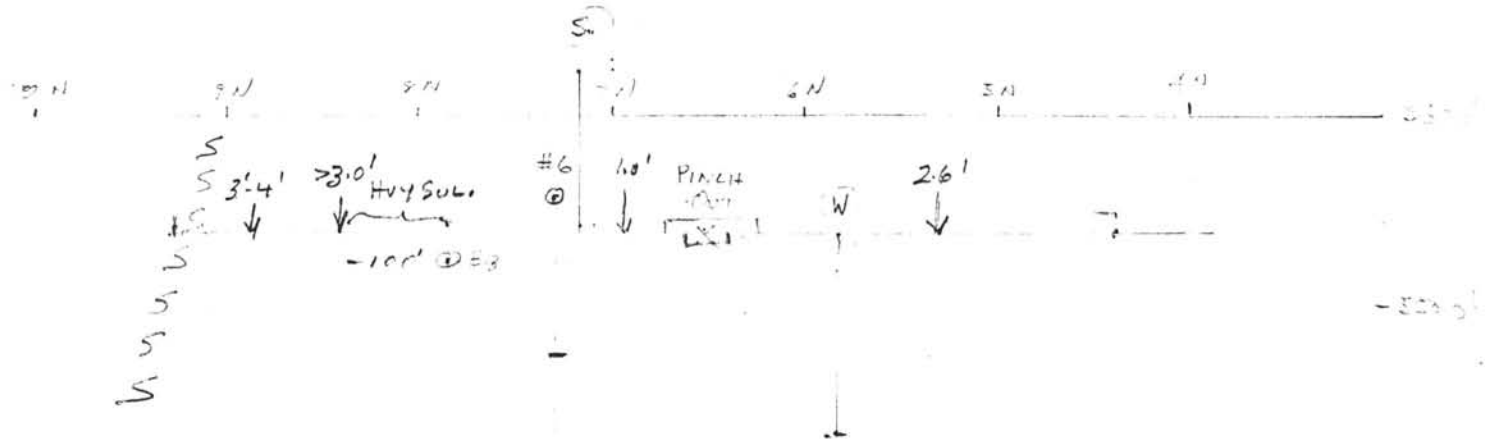
① quartz + cubic py + minor cp. – probably this contains the Au.

② brecciated diabase, cemented with quartz, with several % Pb-Zn mainly in the quartz; minor cp. Probably high in Ag.

③ mineralized "granite".

No Assays.

ONEIDA ADIT



Oneida Adit

Jan. 15/81

DISTANCE	BEARING	COMMENTS
0	45°	
70'	—	Vein 26' thick; complex — 1 main G.V. + several subsidiary ones + grey — green "wall zones". DIP: 65°
100'	43°	
147'	—	Winze; does not go up to surface — only down; water at ≈ 20'; dips at least 75°, more like 80° — steepens after a few feet.
190'	55°	Curves to the right
215'	39°	Vein almost pinches out for a few feet, or tens of feet, then widens to ≈ 1'; perhaps 1 part of vein splits ends and another starts, hence the curve ???
285'	—	Bottom of shaft (or raise), can't see any daylight, but cold down-draught means its open to surface. (Extension stoping?)
285'	55°	
300'	49°	@ 350'-400'; very rich sul. + lu. stain & cp.
400'	55°	Forks to right
425'	—	Extension stoping overhead.
490'	= END.	Adit terminates at a cross fault — fairly wide zone of shearing (≈ 10') apparently offsets the vein. Fault strikes ≈ 10° & dips steeply to the east.
	339 (+7 = 48½)	

Extensive flat stoping to the south ~; on the junction of 2 veins or along the fault?

400' = composite Q.V. at head 30' thick, but no M.S. wall zone.

RIGHT FORK

0' 105° = 400' in main adit

35' 65°

50' 5°

60' 70° follows a vein from 3' to 4' thick of good quartz core + sulphides; S = 70°, D = 50° (left).

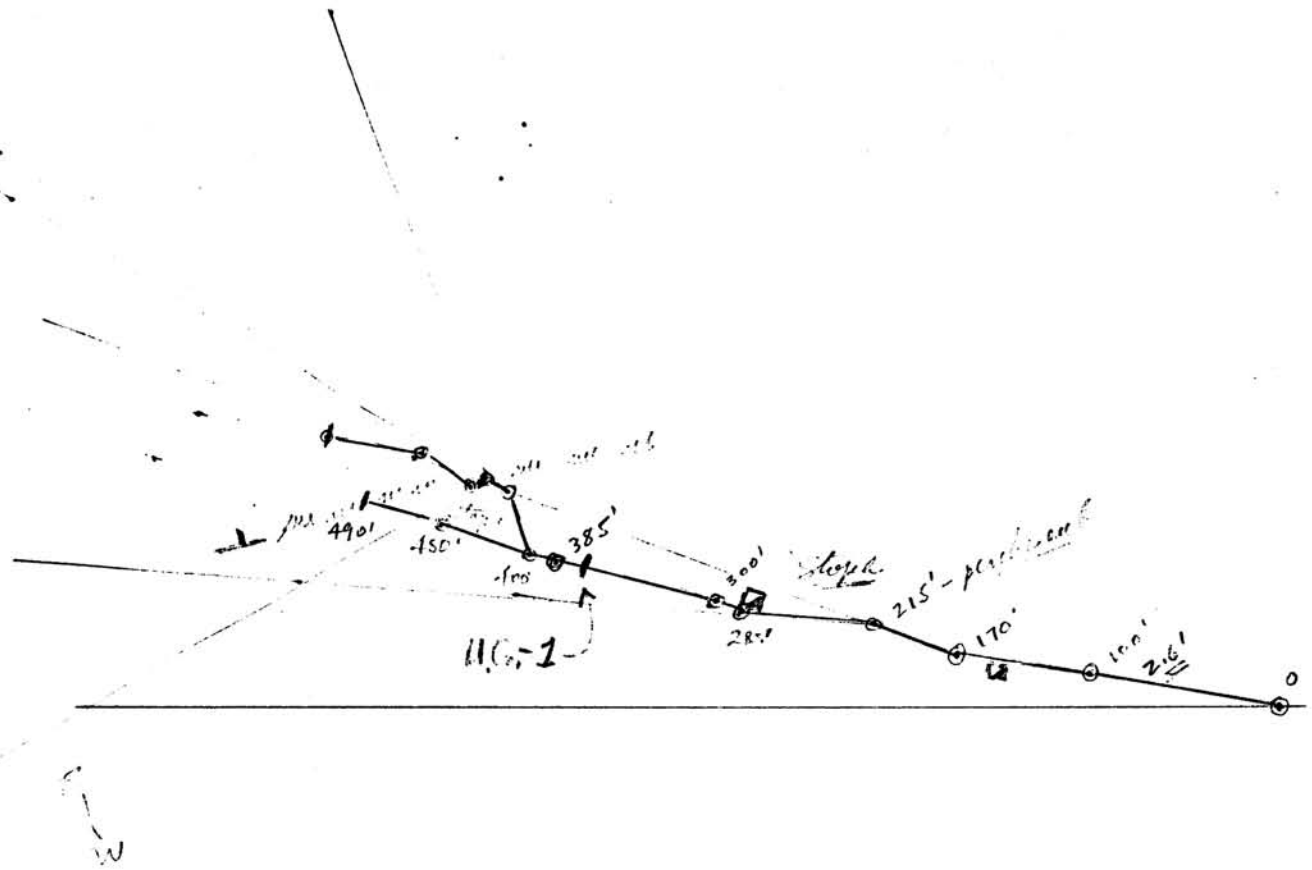
90' 45°

140' = END.

See character sample.

Phase I Drilling ~ Footage (2500' MAX?)

Clinton South	DH-1	541'	Total:	541'
Clinton North	DH-2	413'	"	954'
Oneida	DH-3	404'	"	1358' (404)
Ho-hane	DH-4	423'	"	1781'
Leray	DH-5	503'	"	2284'
DH-6 = re-drilled #3		402'	"	2686' (448')



BRG. 350°

TOPO MAP ~ suggests [illegible] 50' forward [illegible].

AVE. BRG. OF MAIN ADIT : [illegible]

③

Survey Results DH#'s 2,3,4,5,6

✓ DH#2

On 100' plan

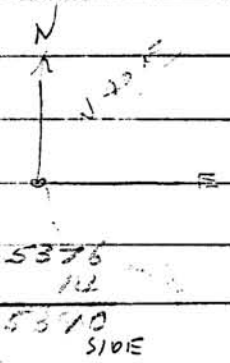
control = NE corner Climax shaft collar
Bearing to hole = N 30° W
Distance (true) = 497' ✓
Elevation below control = 65' ✓

✓ DH#3

On 100' plan

control = a point along strike of Oneida vein 62' on bearing 55° ✓ from NE corner of Oneida Shaft
Bearing to hole = N 50° W ✓
Distance (true) = 331' (oops!) ✓
Elevation below control = 130' ✓ Railway Survey 1902 EL. 5520'
(≈120' from topo map, 1/1/5, Good fit).

✓ DH#6 all data on D.H. Section



control = DH#3 ✓
Bearing to hole#6 = S 10° E ✓
On 100' plan
Distance (true) = 78' ✓
Elevation above control = 14' ✓
5525'

✓ DH#4

On 100' plan

control = NE corner of most northeasterly ~~corner~~ working at No Name
Bearing to hole = N 49° W
Distance to hole (true) = 299' ✓
Elevation below control = 118'

(over)

~~NE~~ SE

NE 40

√DH #5 (Info on Drill Section)

control = NE corner of planking covering Leroy Shaft

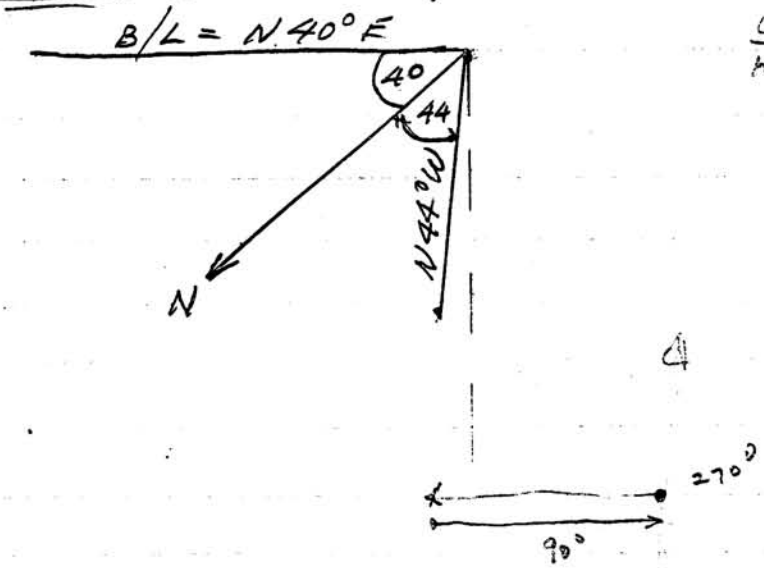
Bearing to hole = ~~N 43~~ N 44° W (P) 84° from B/L

Distance to hole (true) = 321' (350')

Elevation below control = 34'

DH direction below the shaft! HOR. PROJ. 355'

QV {60'
HOR. {185'



#7

Control = #2. Brg. N 50° E (i.e. 50°).

distance 200'. 6° angle.

~~Only 1' higher~~ ≈ 21' higher than #2.

~~303' Anthracite~~

P 2

DH #4

≈ 127'-128' to cut about 4 below?

1" QV @ 127', 1½" @ 128 + good py in bx. No Au, Z.

DH #3 OK

Re-check. Holes #1 & #2 in G.V.

DH #2

decomposed granite to 38
foliated granite to 64
granite on down
epidote around 112
intermittent stressed granite, heavy epidote, chlorite stringers to 151.5
✓ diabase sample to 156
granite
chlorite 182 very dark heavy stressing ∠ 85°
granite to 270.5 epidote & chlorite
✓ mineralized diabase 270.5 - 274 NO W/Z
granite to 283
granite, tuff, diabase mixed to 291
granite to 333
✓ soft diabase (?) to 338 ∠ intersection 35°
mineralized granite to 344.

✓ diabase 344-346
granite to 349
sample to 359
granite (mineralized) epidote to 413 end of hole #2
small quartz stringers heavy epidote chlorite 398

DH#1
decayed granite to 70'
granite to 115 heavy epidote 92-103
intermittent tuff & stressed granite to 140 epidote chlorite
granite to 152
small quartz breakup 152' 6"
intermittent tuff, stressed granite, FRDK to 181 minor epidote stringers chlorite
diabase 181 sampled to 184
FRDK heavy epidote to 190 granite to 193
FRDK to 202 - 6" of core missing 195'
granite rich in chlorite stringers to 212
granite with epidote to 243.5
243.5 - 245 FRDK 2 quartz stringers 1/4"
granite to 310
diabase quartz? wdg. stringers to 311.5
granite rich in epidote 331.5
diabase - talc? to 336
granite to 340
diabase to 347 definite quartz & epidote
granite with epidote occasional chlorite breakup
with mineralization increasing at 428 to
stressed granite to sample at 431

sample on to 447
granite - epidote chlorite to 541
bottom of hole

entire hole quartzy
better mineralization that most others

Dos Cabezas ~ Drilling Report

D.D.H. #1 – Eleanor

Nov. 8/80 Brodie called.

Set up drill Mon. Nov 3.

Set casing Nov 4 (1/2 day); started drilling bedrock.

Hit. pm. at 188'.

17' O/B. 17'–188' = red to pink "Tombstone" granite.

– on 3rd bit! Expect 40'/day min., 60'/day/max.

Ave. of 50'/day = 250'/week = 440' end of next week!

Nov. 12. M.T. had call from Oliver A., relayed from Edgar, that water in shaft dropping rapidly – near to lower pumps – and need to repair or replace part of ladderway. Also "ore" at 180'.

Brodie says not so; water drop barely measurable. No "ore" — may be a diabase dike at 180'.

Hole at 323' = 135' in 3 days or 45'/day.

Some diseem. py, perhaps increasing.

Driller trying different type bit – faster & less wear.

Nov. 14 Field. ① Checked location, bearing & inclination of D.H. #1 and all OK to within error of measurement.

② Checked Eleanor Shaft. Dip measures 70° at top of ladderway but this looks a bit steeper than further down. Still may be 65° rather than the 60° in the reports.

③ Checked core. Recovery excellent ~ almost 100%; coarse gr. porph. granite – abundant ferromag in matrix – so many phenocrysts in places looks like a cake! Appears to be fresh and barren.

④ Strong shear zone – heavy talc & chlorite roughly 11th core & above the dike. ⑤ 4' diabase dike with disseem py probably only 1–3%. Should assay anyhow.

⑥ Get sample & check. 2 feldspars? type of ferromag.

Nov. 14 contd.

Checked Anderson's Location #6 – diabase dike near Leroy. – described as being 170' wide, with the "bedding plane" 40'-50' above the "bedding plane" of the monzonite.
→ What does this mean?

Very doubtful if the width is 170' – only one contact is exposed in the trench & this appears to dip steeply towards the Leroy. The 170' is most likely to be the exposed length.

Sample was taken near the footwall apparently, but has been covered over with slump. Assayed 0.036 oz Au., 5.15 oz Ag & 0.50% WO_3 ∴ gross value > $120 – ⊛ still of interest even if the high silver is due to enrichment.
→ need to extend trench at right angles, but road is in the way ~ get complete x-section, then sample.

Main Vein

At the Climax Shaft there is definitely a wider zone of quartz veinlets & stringers in both walls, giving a total width of 10'-15'. All of this should be assayed if encountered in drilling.

Nov. 19 D.H. #1 @ 483' Hit vein at 438' or 439'. Back into granite.

≈1' "diabase"
2'-2½' milky quartz. } 4½'-5' (good disseminated pyrite!)
1½' "diabase"

+ a few qtz. stringers in the hanging wall.

Pump on drill froze over weekend. No drilling Nov. or ½ Dec.

Nov. 19 cont'd.

Instructions to Mike Brodie & Pat Zimmer:

✓ ① drill 1 more shift (i.e. ~~Tues~~ Thurs. Nov. 20).

⊛ ② ask Bill Evans about a dip test.

✓ ③ Patch road up to core shack. - being done Nov 20 – 21

✓ ④ Hit sample bags!!

✓ ⑤ Then move to D.H. #2 (450' out, net 500').

⊛ No accid but has taken. Skipped test on 1st hole so Bill didn't think it flattened – rods going in & out too easily.

Nov. 20. Sample #7. ~~Probably~~ Pyritic diabase dike more py. than in the vein or the contact zone!
NOT MAGNETIC! 181' 0" – 185' 6" = 4' 6".

Sample #1 430' 6" – 435' 6" = 5' 0"

⊛ granite porphyry w/ variable brecciation, silicification & qtz veinlets (up to 1") w/ dissem. pyrite.

446' 8"
430' 6"
16' 2"

Sample #2 435' 6" – 440' 8" = 5' 2" $\left(\frac{8}{12} = \frac{2}{3} = 0.7\right)$

ditto

Total of 10' 2" of silicif. + py in H/W.

$12\overline{)10.0}$ = .83

2 types of qtz. throughout; milky + lesser pale blue ???

Sample #3 440' 8" – 441' 10" = 1' 2"

looks like a f.gr. chloritized diabase dike – identical to band on Rockwall so ∴ probably part of the vein itself. weakly pyritic – mainly in thin qtz. stringers.

Less py. in the vein than in wallrocks!

Sample #4 441' 10" – 444' 4" = 2' 6"

milky qtz vein w/ ~~gd~~ py. Possibly f.gr. black sulphides but mixed with biotite (chlor?) & very hard to be sure.

Sample #5 444' 4" – 445' 6" = 1' 2"

Exactly as per Sample #3.

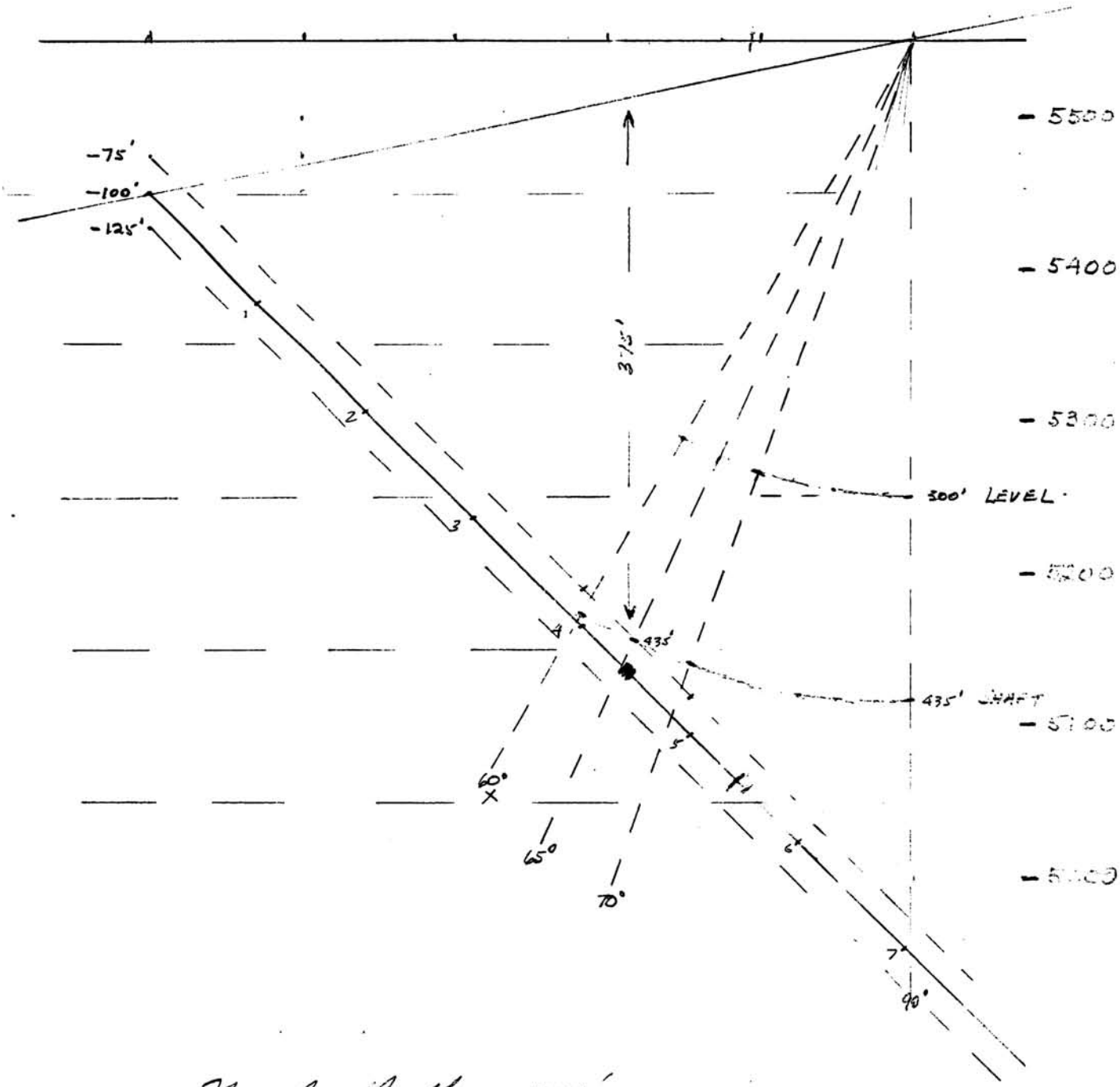
Sample #6 445' 6" – 446' 8" = 1' 2"

gr. porph. w/ dissem. py. but little or no brecciat & silicif. much more pyrite than any of the other samples! (over)

Final Depth: 541'.

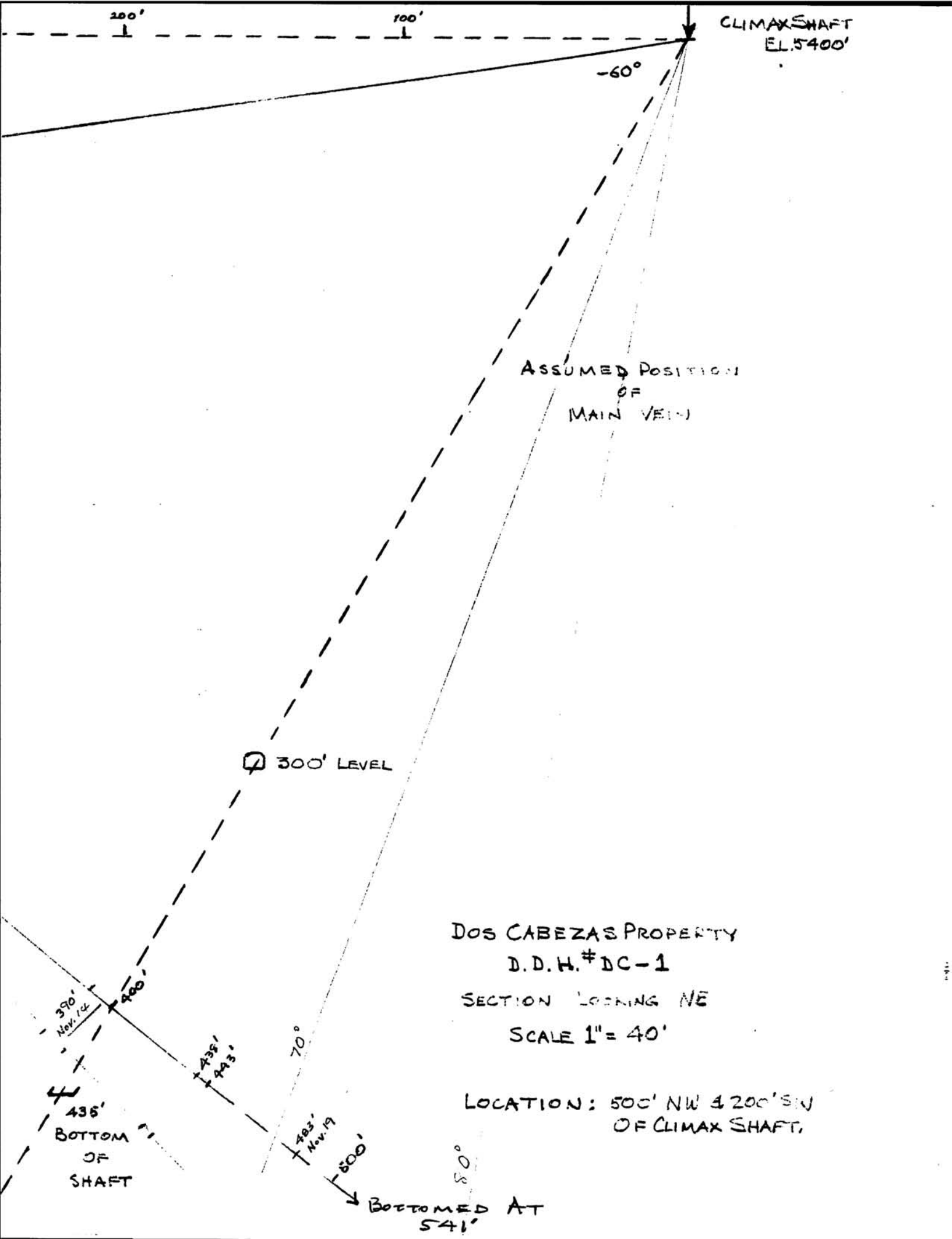
Jan 21/81 P.Z. re-checked core carefully for "TUFF"; only found 6" @ 127' and 3" @ 118' x both doubtful.

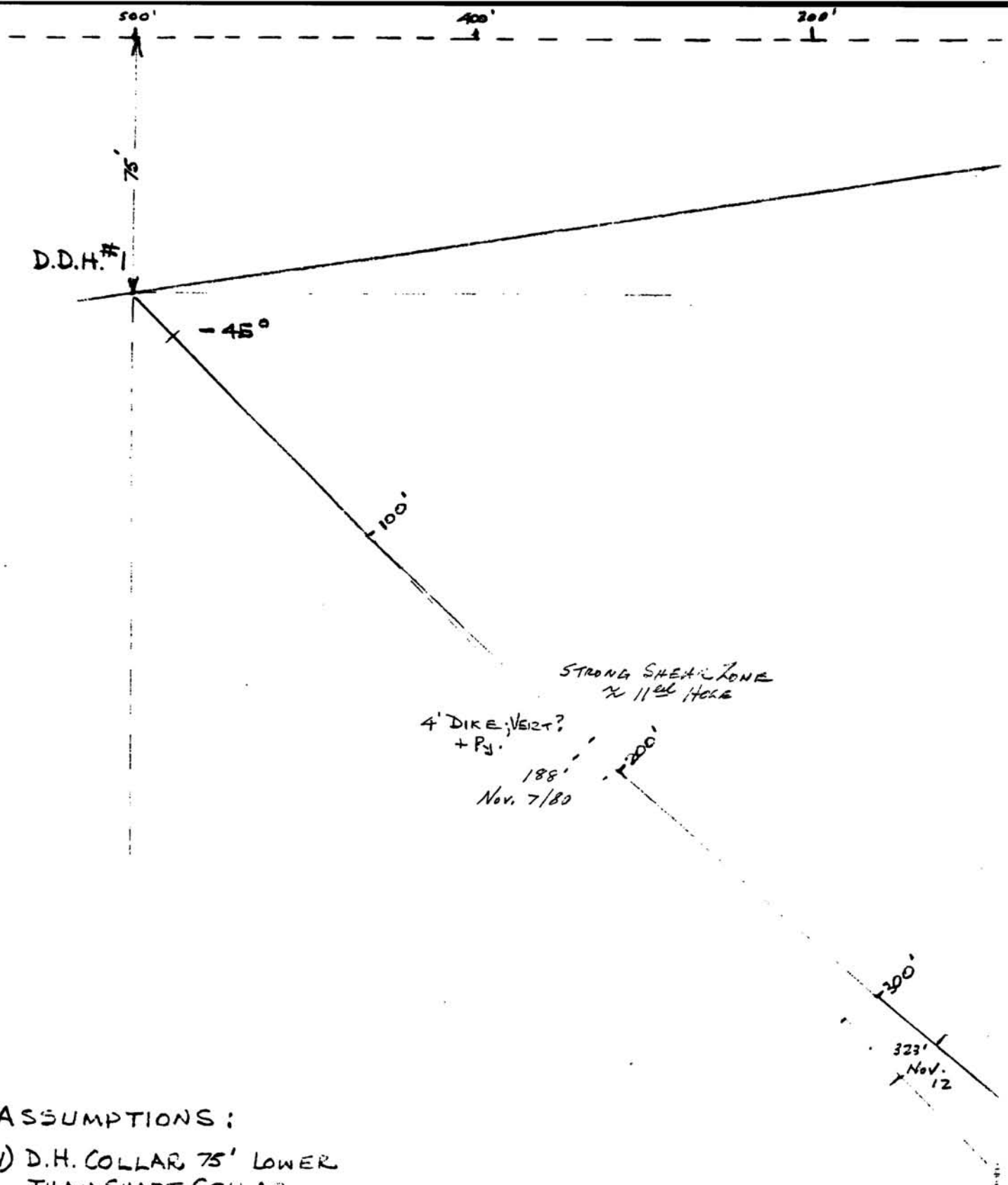
DOS CABEZAS ~ D. H. #1
1" = 100'.
TARGET DEPTH 400'-500'.



Final depth: 541'.

EL. FROM 1" = 100' TOPO MAP.


200'
100'
CLIMAX SHAFT
EL. 5400'
-60°
ASSUMED POSITION
OF
MAIN VEIN
300' LEVEL
390'
Nov. 14
400'
435'
443'
70°
435'
BOTTOM
OF
SHAFT
483'
Nov. 19
500'
50°
BOTTOMED AT
541'
DOS CABEZAS PROPERTY
D.D.H. # DC-1
SECTION LOOKING NE
SCALE 1" = 40'
LOCATION: 500' NW & 200' S N
OF CLIMAX SHAFT.



ASSUMPTIONS:

1) D.H. COLLAR 75' LOWER THAN SHAFT COLLAR,

2) MAXIMUM D.H. FLATTENING 2° PER 100',

Assays: DH-1

Pincock, Allen & Holt, Inc.
4370 S. FREMONT AVE. • TUCSON, ARIZ. 85714
(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

December 2, 1980

Mr. Robert A. Bell, Ph.D.
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Following are the assay results of samples provided us last week which you requested be assayed for gold, silver, lead, and zinc. We apologize for the slight delay caused by the long Thanksgiving weekend.

These are the same results passed on to Mr. Taylor and yourself by telephone.

Sample No.	Au(oz/ton)	Ag(oz/ton)	Pb(%)	Zn(%)
1	.001	.06	.01	.04
2	.001	.10	.01	.01
3	.001	.14	.01	.02
Vein 4	.001	.08	.01	.01
5	.006	.13	.01	.04
6	.001	.08	.01	.01
7	.002	.09	.01	.03

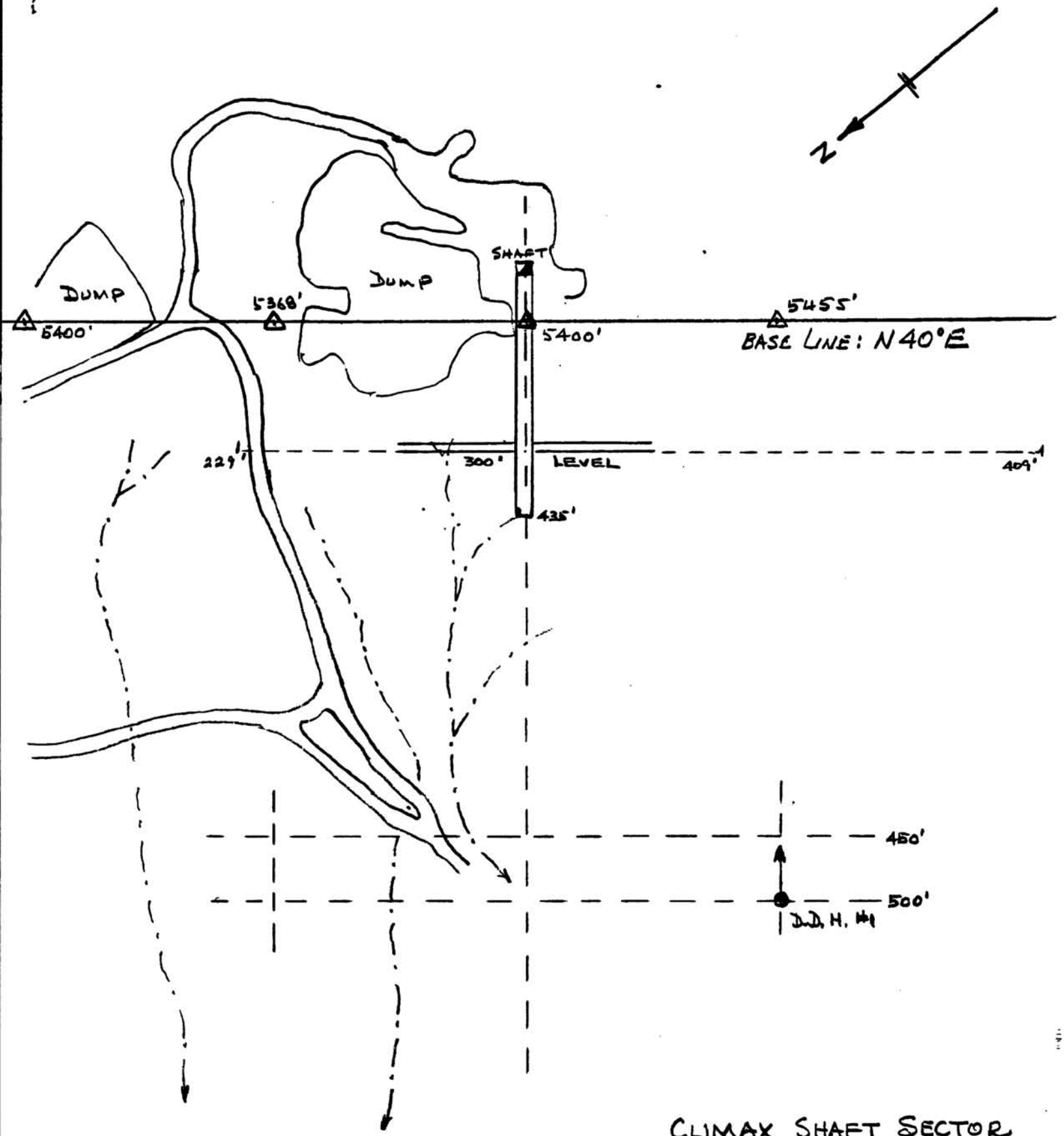
We appreciate the opportunity to be of service to you and Mr. Taylor and look forward to future association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

SLM:ds

cc: Maurice C. R. Taylor
Ken Edmiston



CLIMAX SHAFT SECTOR
1" = 100'

DRILL HOLE
LOCATIONS

Das Cabezas ~ D.H. #2

Nov 20/21 Bulldozed "pad" on 20th; moved on 21st?

Nov 24 Phoned Steve Milne at P, A & H. re assays. He had samples picked up in mid-afternoon. Asked him to run Au, Ag, Pb & Zn.
⊛ Bottom depth DH-1 = 541'

Nov. 26 (Pat 3). Cleaned out old assay office & moving in (adobe bldg. w/ tin roof). Has full wiring incl. baseboard heaters + desk, chairs, etc. + facilities for water if needed later + frig & stove. $150 to connect power. I gave OK. Needs road work.

Started drilling Mon. am - already down 191' - target should be reached about next Thurs! Told him to drill about 10' beyond main vein unless still in sulphides
- around 30'-40', several feet of soft crumbly rock like Anderson Showing #8 (5.5 oz Ag!); orange colouration (oxidation?).
- diabase dike 153'-157' as per D.H. #1.
- seems to be more sulphides throughout the granite than in #1.

⊛ Elevation: Angle of 8½° to base of Climax Shaft "pad" = 72'.

Dec. 3 depth 343' -191' = 152' in 3 days x 50'/day.

Dec 5 Hole completed at 413' = 70' in less than 2 days.
Main Vein at 365' - shallower than expected - only about 14" but very rich (massive) Pb/Zn at both contacts.— say ¼-⅓ by volume! - at best 50% by weight. ∴ could run 15%-25% Pb+Zn? + good Cu & Ag.
Several dikes including one dike (?) that looks exactly like a Pre. tuff!! Could this be an inclusion or xenolith?

Feb. 25-27/81 Deepened hole to 523'. To further mineralize alteration - all typical G.P. according to Pat Zeller.

#DC-2 ~ Core Samples

#1. Au; Ag — 151.9' – 156.0' Dacitic dike as at 180' in DH-1.; minor dissem. py. (Au + Ag only?); some pieces very weakly magnetic.

#2 Au, Ag — 349.0' – 351.0' = 2.0' Weakly min. granite – no apparent qtz. veins or stringers; minor py. only.

#3 Au, Ag, Cu, Pb, Zn — 351.0' – 352.7' = 1.7' Granite, but much lighter colored – ferromags appear to be altered to a grey mineral – also much more siliceous, even tho no qtz. stringers – much more dissem. sulphides (mainly in small cubes) esp. on fractures. One piece looks like dissem chalco ??? – brassy & no cubes. Check Cu.

⊛ #4 Au, Ag + Cu, Pb, Zn. — 352.7' – 353.8' = 1.1' (.9?) (12" = 14") really at least 1.2' allowing for some ground & last sulphides. Vein. Roughly 1/3+ qtz in center, 1/3 – heavy to massive sul. on FW & HW edges. ⊛ Abundant coarse chalco pyrite in the heavy sulphides!!! One piece of M.S. has good sphalerite, rest seems to be mainly galena (cubic cleavage) unless the sphal. is black jack. Some fissure. sul. incl. chalco in the qtz. vein. N.B. – dark green gangue in some of the M.S. could look like M.S. in poor light.

#5 Au, Ag, Cu, Pb, Zn. — 353.8' – 356.8' = 3.0'. (.9?) Granite & some qtz. stringers & dissem. py – f/m darker than in Sample #3 but not as dark as normal. Minor dissem. sul. – seems to be only py.

#6 Au, Ag + Cu, Pb, Zn. — 356.8' – 359.4' Granite – mainly fresher with black f/m. Minor dissem. py – in some pieces the feldspar is grey & very greasy looking = alteration? ⊛ Thin seam of M.S. ??? (Σ = 10.4') py + gal + sp. + few grains chalco ???

— OVER —

D.H. #2 ~ DIABASE DIKES

152' - 156' = 4' Sample # D.C. 2-6

270 - 275 = 5'

289 - 291 = 2'

333 - 337 = 4'

344 - 345.5 = 1.5'

(353 - 354 = Vein)

Dos Cabezas DH-2 Assays

Sample#	Thru	To	TH.	Au oz	Ag oz	Cu %	Pb %	Zn %
1	151.9	156.0						
2	349.0	351.0	2.0'					
3	351.0	352.7	1.7'	0.029	0.05	0.018	.005	.009
⊗ 4 (Vein)	352.7	353.8	1.2' (14")	0.081	3.47	1.32	2.80	⊗ 18/26
5	353.8	356.8	3.0'					
6	356.8	355.4	2.6'					

⊗ diluted sample 4X and still too rich for accurate assay!

#4.

.081 oz Au @ say $500 = 40.50
3.47 " Ag @ " $15 = 52.05
1.32 % Cu = 26.4 lbs @ 80¢ = 20.80
2.80 " Pb = 56.0 " @ 40¢ = 22.40
>20 % Zn = 400 lbs + @ 40¢ = 160.00

$295.75 / 303.75 ≐ $300 / ton

$300 over 14" → $117 over 36" (at ⊖ grade)
do → $70 " 60" (do)

$300 × 14" = 4200
$15 × 22" = 330
36" 4530

$\frac{4530}{36}$ = $125.83 ≐ $125/T across 3 feet

(OVER)

Minimum Mine for Private Group or Small Company

Say 100 T.P.D. for 5 years. (3000 T/Mo.)
100 TPD x 350 D. x 5 Y. = 175,000 Tons

at 12 cubic ft/ton = 2,100,000 cu. ft.
or a block 3' wide x 1000' long x 700' deep
— or —
5' wide x 840' long x 500' deep.

Operating Profit

Excluding capital cost? Check!

* P.A. & H. est. $30/T all up ✓
even allowing much more than this, say $50/T.
@ $100/Ton net leaves $50/T profit
= $150,000/mo. or $1.8 M/yr.
@ $75/Ton net leaves $25/T profit
= $75,000/mo or $900,000/yr.

180
12
360
180
2160

105
12
210
105
1260

* Since they didn't specify any minimum mining width (i.e. 5' or 10') I assume they mean just mining the vein "as is"). Average just under 3'??

D. H. #2

Pincock, Allen & Holt, Inc.
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(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

December 16, 1980

Dr. Robert A. Bell
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Included are the results of the latest group of samples that you requested be assayed for gold, silver, copper, lead and zinc. The information has been relayed to Mr. Taylor by telephone. Results are as follows:

Sample No.	Au (oz/ton)	Ag (oz/ton)	Cu (%)	Pb (%)	Zn (%)
2-1	0.001	0.04	-	-	-
2-2	0.001	0.05	-	-	-
2-3	0.029	0.05	0.018	0.0054	0.009
2-4	0.081	3.47	1.32	2.80	18.0 - 26.0
2-5	0.001	0.04	0.0026	0.024	0.034
2-6	0.001	0.06	0.0026	0.0074	0.015

We appreciate the opportunity to be of service and look forward to continued association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

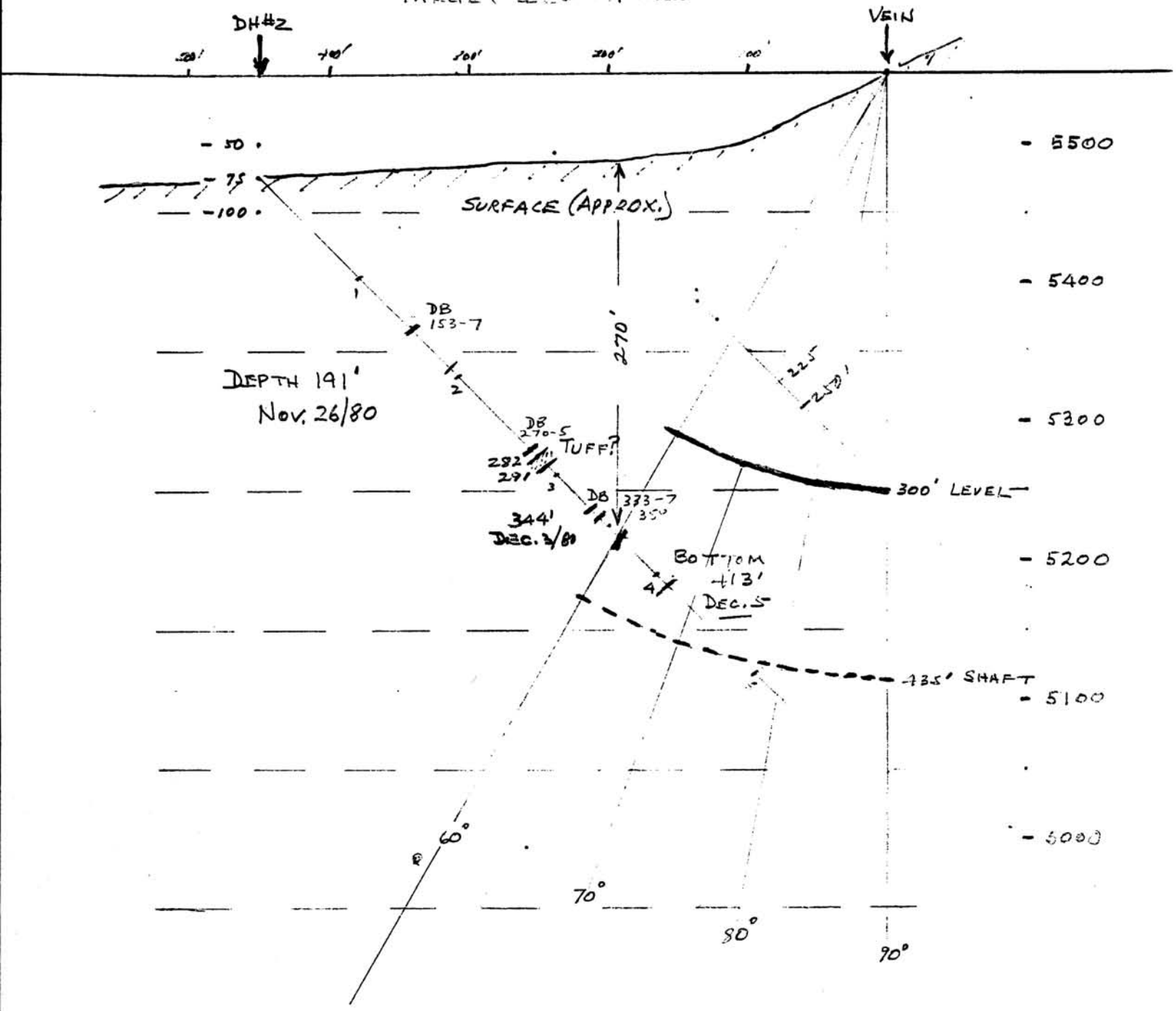
SLM:ds

cc: Maurice C. R. Taylor

DOS CABEZAS ~ D.H. #2

1" = 100'

TARGET DEPTH 400'



ELEVATIONS FROM 1" = 400' TOPO MAP

LOCATION: 450' NW & 200' NE OF CLIMAX SHAFT.

DIP OF MAIN VEIN: 65°-68° FROM DH #1

⊛ DIP ONLY 60° OR OCP. OF VEIN A BIT FARTHER WEST.

Las Calezas - DH#3

Dec 5/80 Drillers packing up & preparing to move; drill site all bulldozed.
Location about as planned but say 10' lower down.

Dec. 10/80 D.H. at 151' — all "granite" — everything OK so far.
- advised Pat to have drillers stop if any black return water & empty core barrel — to reduce weight & ∴ any grinding of sulphides in the vein.
- requested elevation for DH-3 relative to Oneida Shaft
- drill to 400' regardless.

Dec. 12. Hole at ≈ 238'; mainly granite with several DB dikes.
⊗ Pat reports abundant GOLD & PLATINUM from about 150' to 180' (not same as his) but no definite vein.
→ how does he know for certain? Did Edgar tell him?
⊗ To call me Sat. or Sun. from a more secure phone.
→ See attached note on mineralization.
⊗ Something wrong! Should have hit vein than or Tues! No vein present — only fractured & mineralized granite ??
NB Dip flattened from 66° in #1 to 60° in #2; perhaps it continues to flatten going NE ??? (46° for 1st min. @ 155')

Dec 17 Hole ≈ 400'. No well-defined vein (as suspected).
210'(?) – 280' dissem. py. continues — low & variable.
≈ 280' – 300' more or less barren
300' – ? dissem. py. — more than in previous section
? – 400' f.gr. black rock & qtz fragments & abundant py.
— will continue a bit further on Thurs. & do a Dip Test.

NB. — hole getting tight as if flattening or wandering ✓

OVER

Dos Cabezas ~ Dec 5/80

① Check dip of dike (180'?) in D.H. #1 & #2. ✓

② Check location of D.H. #3. - about 10' West of plotted location, 160' per rain & tape. ✓

③ Examine terrain below Leroy for D.H. #4? O/K.

M.T. ✱ Basic contract only 3 holes for 1500'. Driller has another possible job. ✓

Dec 18/80 Hole bottomed @ 404' back in "granite".

Phase I Drilling ~ Footage (2500' MAX?)

Clement South	DH-1	541'	Total:	541'
Clement North	DH-2	413'	"	954'
Oneida	DH-3	404'	"	1358' (404)
Ho-Hane	DH-4	423'	"	1781'
Leray	DH-5	503'	"	2284'
DH-6 = re-drilled #3		402'	"	2686' (448')

Midland Syndicate
Las Calenas Project

Log D.H. #3

0 - 60' coarse-grained granite porphyry - typical host rock - fresh - practically no py. - black f/m. - phenos 7" !

60' - 100' do - only scattered grains py.

100' - 135' do - minor disseminated py., also some brownish sulphide ??? - a few qtz stringers at 103'.

By BERES

135' - 144' same rock - py more abundant up on slip & fracture surfaces

144' - 158' same rock but not as coarse-grained as above & below, with fewer large phenos? f/m still black & fresh - very siliceous & still minor py. - no apparent V.G. in 6" pieces at 147', 151' & 153'.

Samples DC 3-5 143'-153' Not assayed

(⊗ Should be split & stashed by supe.)

158' - 163' g-p; some large phenos but not as many or as distinctive as deeper in hole in upper half of box? Large phenos up to 1"x1½" in lower half.

158' - 158' ⊗ in part brecciated & highly siliceous & both qtz. grains & veinlets - abundant f.-gr. sul. mainly py (+ something browner than the py = po or sp?) & minor cp & reddish-brown sp. - split core shows more qtz - py - biotite & a few clusters of bright shiny sp(?) & scattered grains cp.

4" diabase dike @ 45° to core ≈ vertical; not magnetic.

⊗ possible specks of V.G. (or something richer-coloured than the usual py) @ 155-155½ & 155½-156.

- other zone @ 156-158'.

Sample #1 153' - 155' = 2.0'
" #2 155' - 158' = 3.0'

BCX

163'-173' g/p; minor fine py in the f/m clusters — narrow shear zone @ 163', at low angle to core & abundant sul. mainly or all py. Huge phenos, abundant & prominent. @ 169' & 171' — possible specks of V.G. or other rich yellow metallic mineral — split for 'scope study?

— — — — much less py — — —

173'-183' Few c.gr. granite porph & large phenos up to 1½" — very hard & fresh looking & black f/mags.

Sample DC3-6 Composite 158'-187' Not assayed

173½': sparse py in the f/m clusters; few specks of VG or a copper min? — much yellower than the py.

178': a lot of blue qtz & green epidote (?); sparse py

183'-192' No missing core! Line footage must be wrong.

Same g/p — fractures at angles from 90° to near 0° — quite blue.

186': very sil. — few to fleck colored min & the qtz. — minor py — no "VG".

188': very sil. — minor py in f/mags but less than before — possible "VG" or other rich yellow min. in qtz.

192': very sil. — much less f/m — only minor py — no "VG".

@ Several slip planes coated with a yellow metallic min — P.L. & E.A. claim "white gold" (Au-Pt)

— — — — — more py — — —

192'-201' g/p Lost core? Only measured 194½, not 201'. Phenos less abundant or less obvious.

193': 4" f.gr. diabase & qtz & py

192': silicified breccia — much more sul., mainly py — bright green glassy min? — brilliant pin-head specks = VG??

194½'-5': very sil. — lt. blue colour throughout — specks VG in qtz?

197': fractured & healed & qtz. — much more sul. — no obvious VG.

@ all slip surfaces have same metallic mineral as at 192'.

Box

— — — less py again — — — —

201'-211' same g/p – massive & fresh – huge phenos – black f/m.
201'-2': sparse py in f/m clusters
205'-6': do, but a little more py
210'-11': do, but more fractured
& Split for 'scope study & assay?

Sample #3 186'-192' = 6.0' – few % py, trace sp., few grains cp.
" #4 192'-195' = 3.0' – disseminated py & possible trace of sp.?

211'-235' same g/p – minor disseminated py – possible few grains of cp –
& specks of VG or a copper min? (a bit orange for VG)

235'-305' same g/p – less py than preceding – definitely minor (i.e. only scattered grains) – narrow breccia zone at 258' but no min.

305'-355' g/p – perhaps slightly more py – no other sul.

355'-375' g/p – sheared – looks like flow banding – slightly more py again, but not enough for assay.

375'-340' g/p

390'-400' & looks like a tuff as in DH-2! – in thick bands alternating with granite – could be a highly sheared g/p (like a bandinage?) but seems doubtful
& See sample from 395'. Banding 75°-80° to core!!

400'-404' typical g/p – only very minor py – bottomed @ 404'.

Samples for Assay

Sample #	From	To	Thickness	Au	Ag	Cu	Pb	Zn
1	150.0'	155.0'	2.0'					
2	155.0'	158.0'	= 3.0'					
3	186.0'	192.0'	= 6.0'					
4.	192.0'	195.0'	= 3.0'					
5	143.0'	153.0'	= 10.0'					
6	158.0'	187.0'	= 29.0'					

} composites - 1/2 core intermittently for S/G Spec Analyses which PHHA dont do

(7? 195' - 220' or 230'? - not sampled yet - wait for other results)

⊛ Samples #5 + #6 held back pending results of #1 - #4; neither looks of interest (see attached notes); not assayed.

~~Sent back on Calvy trip~~

~~1:24,000 5,300'~~

~~1" = 400' 5,300'~~

~~Very good!~~

DC 3-5 (143'-153')

typical G.P. ~ fresh, both f/ms & fillets. — no appreciable sil. — minor diosm. sul. in f/m clusters — more abundant on fractured surface but still not heavy — occasional grain of cp.

Very tiny specks of a yellower min., possibly VG or a copper min.

Doesn't look worth assaying to me.

DC 3-6 (158'-187')

typical GP ~ mainly fresh, but some also well altered — opaque fild. phenos completely altered to chalky-white kaolinite (?).

If anything, even less sul. than #5. No VG or Cu found on this seam.

CORE SAMPLES
D.H. # DC-3

Pincock, Allen & Holt, Inc.
4370 S. FREMONT AVE. • TUCSON, ARIZ. 85714
(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

January 8, 1981

Dr. Robert A. Bell
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Included is the latest group of assays that you requested. I presume that this information has already been forwarded to Mr. Taylor by telephone.

I checked on the sample bags that you asked be returned and was informed that since the bags were not requested to be returned on the first two groups of samples, that they were destroyed. However, now that a request has been made to retain them, they will be saved and returned to you in the future.

Assay results are as follows:

Sample No. (DC)	Cu(%)	Pb(%)	Zn(%)
3-1	.02	.03	.05
3-2	.01	.05	.10
3-3	.02	.01	.03
3-4	.02	.01	.01

(PC)	Au(oz/ton)	Ag(oz/ton)
3-1	.001	.02
3-2	.007	.08
3-3	.001	.11
3-4	.002	.06

We appreciate the opportunity to be of service to you and look forward to continued association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

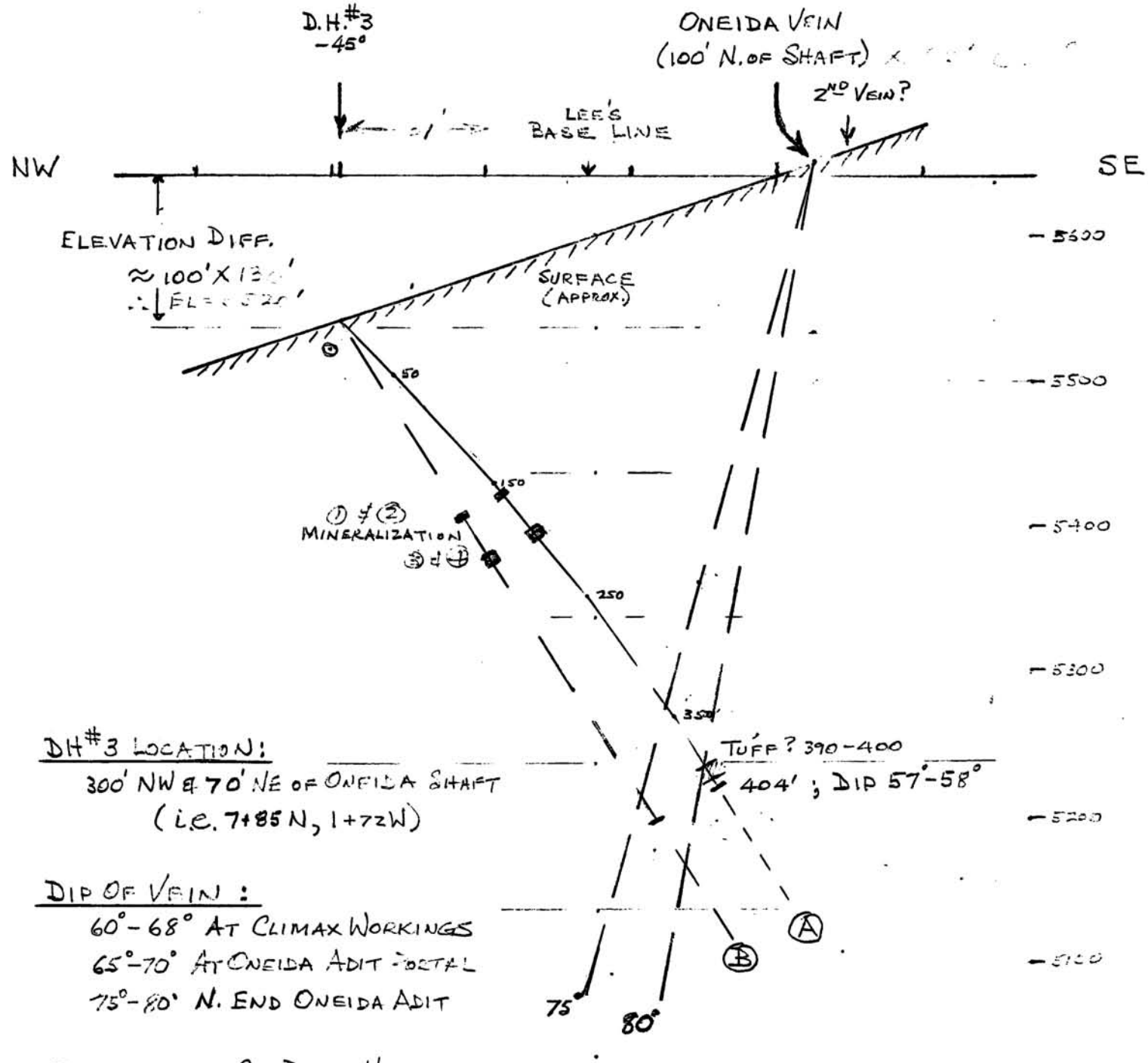
SLM:ds

cc: Maurice C. R. Taylor

DOS CABEZAS ~ DH#3

1" = 100'

TARGET DEPTH 350'-400'



DH#3 LOCATION:

300' NW & 70' NE OF ONEIDA SHAFT
(i.e. 7+85 N, 1+72W)

DIP OF VEIN:

60°-68° AT CLIMAX WORKINGS
65°-70° AT ONEIDA ADIT PORTAL
75°-80° N. END ONEIDA ADIT

INCLINATION OF DRILL HOLE:

45° AT SURFACE
57°-58° AT 390'
Ⓐ WITH VARIATION DISTRIBUTED PROGRESSIVELY.
Ⓑ WITH MAJOR VARIATION AT SHALLOW DEPTH.
NB: LATERAL VARIATION PROBABLY SIMILAR.

Das Cabezas ~ D.H. #4

Dec. 19/80 Started drilling.

Dec 24/80 135'. Not drilling Wed.

✓ ⊖ 0/B.

✓ 0-40' ou sample - well rounded qz? ≈16' 4" qtz vein - highly fractured + hvy sul on fractures -

✓ 40'-135 c/gr gr-sample. c/ diss. py in f/m.

Dec 31/80 Instructions for P.Z.

① locate "tuff" in DH-2.

② clean out portal & cut of Oneida Adit.

⊗ ③ Sample from "No-Name" pits & dumps.

313' ~ still no well-defined Vein & now past the likely spot!

247'-251' & 255'-256' } diabase dikes; hvy. qtz + a lot of min. in the dikes & adjacent granite.

⊗ → Right where mine should be? So this may well fail!

256'-313' finer-gr. granite alternating with the regular coarse granite; lots of qtz. & "that full" of py. c/ "quite a bit of copper". No definite Q.V. No' !!

Jan. Mon. ~~Dec 5~~ (Pat Z.) ⊗ DIP TEST @ 313' = 43°.

Hole at 363' in G.P.

⊗ 321.5' "possible" (?) Q.V. c/ some good sul. on either side (How thick? 1½' altogether or just the Q?)

LOST CORE ? - soft yellow metal smeared on core = GOLD?

⊗ 323'-333' = hvy. sul. - py + black, shiny stuff (Pb + Zn?) No! Rab

& also at 343.

Tues. Jan. 6

Hole at 423' – last 25'-30' barren granite – agreed to stop & move to #5.

DB. at ~~#3~~ 373'-383' (?) + also.

Some py in the granite to about 395'.

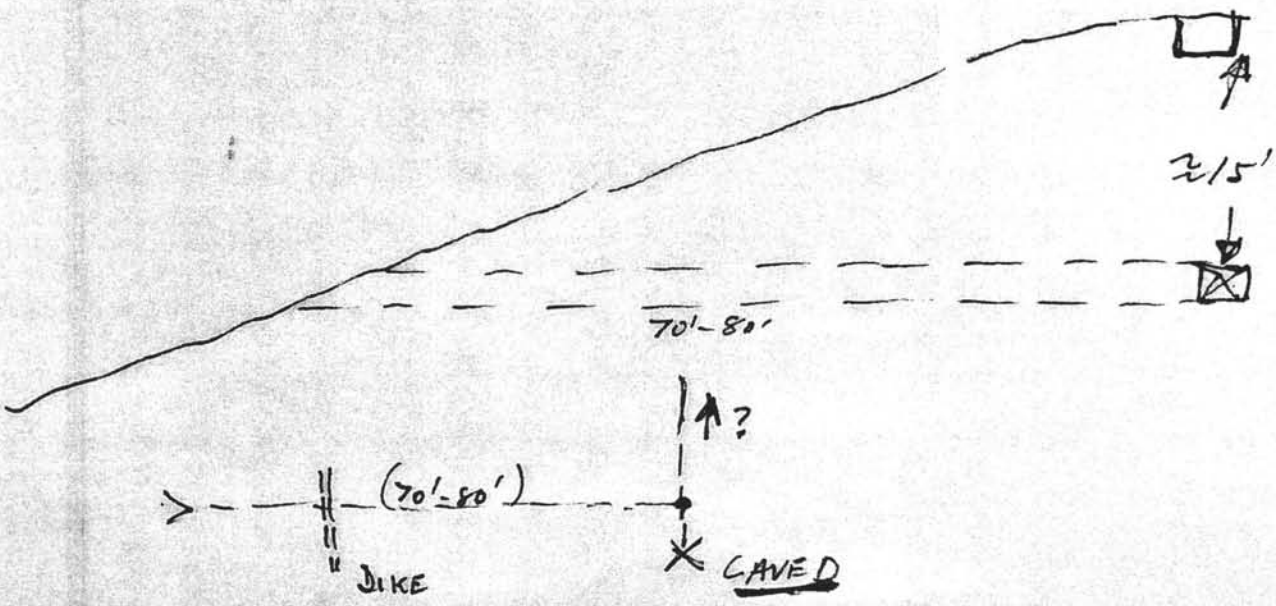
321½ Only 3"-4" QV!

Really nothing worth assaying

343.5'-355' = "TUFF" c/ blue qtz. eyes, alternating with thin DB. dikes.
355'-363' : grades back into normal granite.

⊛ <u>No-Name</u>: can drive Jeep to within 30' of workings! — at least 5 pits — some small & largely caved in — also an old <u>adit</u> impossible to see unless right at it — goes in about 70'-80' right under the pits, then turns & drifts N & S — S. drift largely caved — adit about 15' below pits. — DB 5'-6' thick ≈ 20' in adit

<u>Rock Types</u>: definite Q.V. on 2 walls of 1 pit — vertical at surface, then becomes steep to W. at 8'-10' — looks only 1"-8" thick — (what about Well zones?). <u>definitely</u> some Volcs. on dumps.



Merland Syndicate ~ Dos Cabezas Project
Drill Hole #4 (DC-4)

Jan 7/81

0-12' Overburden.

12'-45' Weathered ~ oxidized G.P. - gradually becomes fresh @ 45'.

16' 6" Q.V. (4"-6") + 2 or 3 other 1" veinlets; GP is fractured c/ py on fractures ~ in F.W. of Q.V., otherwise little or no py - no other sulphides? - seems to be extra qtz. in G.P.

Sample: #DC4-1 15.4-18.4 = 3.0 — 6" Q.V. + 1' of HW & 1' of FW (a little more if still in sul.). Assay for Au ~ Ag only?

⊛ → old map shows another vein about 100' W. of Tracie Vein in vicinity of Oneida Adit; could this be it? if so, has shifted further west.

0.001 Au
0.04 AG

45'-98'/100' G.P. - much blacker than previous holes! = more f/m. Highly shattered ~ healed ¢ black, paper-thin seams.

"SHATTERED" G.P.

62' - little or no py;

76' - chloritic shear @ very low angle to core; very minor py in f/m.

100'-150' G.P. - still very black - fresher ~ less shattered than 45'-100' - several talc/chlorite shears at low ∠'s & ll^el core;

FRESH G.P.

99' - abundant blue qtz; only sparse py in f/m.

107' - ditto ; pheno "eggs" grey, not pink

⊛ → Sample { 127': 1" QV @ 35°; few grains cp. in Q.V.; disseminated py on contacts ~ more siliceous.

⊛ → 128': 1/2" QV; py more abundant ~ coarser; highly sil.

145': abundant blue qtz. ~ only minor py.

150'-200' fresh, black GP; only lightly sheared; some chlorite shears at low ∠'s to ll^el.

158' : still abundant blue qtz; perhaps a little more py.
171' : locally less f/m + py.
177' : fresh; no shattering; good "eggs" + square phenos; very sparse py.
191' : abundant blue qtz.; sparse py; talc? in shear 11ᵃᵗ core.

200'-220' As above; fresh G.P.; 219' very heavy f/m but only minor py.

220'-247' Highly shattered G.P.
"SHATTERED" G.P.
227' : slightly more py. but still minor; a few specks of a brown min., possibly sp.?
245' : still minor py. but more than upper part of hole.

247'-251' = 4' Diabase Dike; ≈1" Q.V. at H.W. c/ few % py.; DB in part serpentinized - virtually no py. except near FW.
DB.

G.P.
251'-255' Fresh black G.P.

DB.
255'-256' = 1' Diabase dike as above.

G.P.
256'-265' Fresh G.P.; black.

265'-295' G.P., but again shattered

Sample DC-4-2 ⊗→ 275' : 6" Q.V. in highly sheared G.P. c/ several % py. - very conspicuous - in blebs up to ½" - only sparse sul. in the Q.V. Is this equivalent to the Main Vein?
274.5-277.2 = 2.7'
.001 Au " .05 Ag
"SHATTERED" G.P.
SAMPLE: 6" QV + 1' HW & 1' FW = 2½' total; more if heavy sul. Max. 3½'
Assay for Au + Ag only?
293' : extremely black GP; very little py.

295'-348' Fresh, very black G.P.

⊗ → 321½: narrow Q.V. (6" or only 4"?) + dissem. py. in HW & FW; soft, brassy yellow metal smeared on core — Pat & Edgar say "GOLD" — I say brass from the core barrel springs!

FRESH G.P.

DC.4-3 SAMPLE: QV + 1' HW & 1' FW

320.5-323.0 = 2.5' 323-333' & 343': somewhat more py.
0.002Au ± 0.04Au

348'-355' TUFF (?) as in Holes #2 & #3!! Very distinct, thin, irregular banding; seems to alternate every few feet with sheared & banded G.P.?? Practically no sul. banding 35°-40° to core & ∴ almost vertical (or horizontal).

TUFF?

355'-380½' Fresh GP — much less f/w — no shattering — >50% phenos of both kinds — "eggs" a little more pink — sparse py only.

FRESH G.P.

380½-384½' = 4' Diabase. Fresh, hard, only sparse py.

DB.

384½-423' Fresh GP. — much lighter coloured — less f/w — only local shattering — very minor py. to sparse py.

FRESH G.P.

423' = Bottom.

⊗ → Dip test @ 313' = 43°.

NOTE: Is there a correlation between low py content in the GP and weak min. in the vein?

Pat Zellner

AB-1 ; 3 samples?

791.912.3

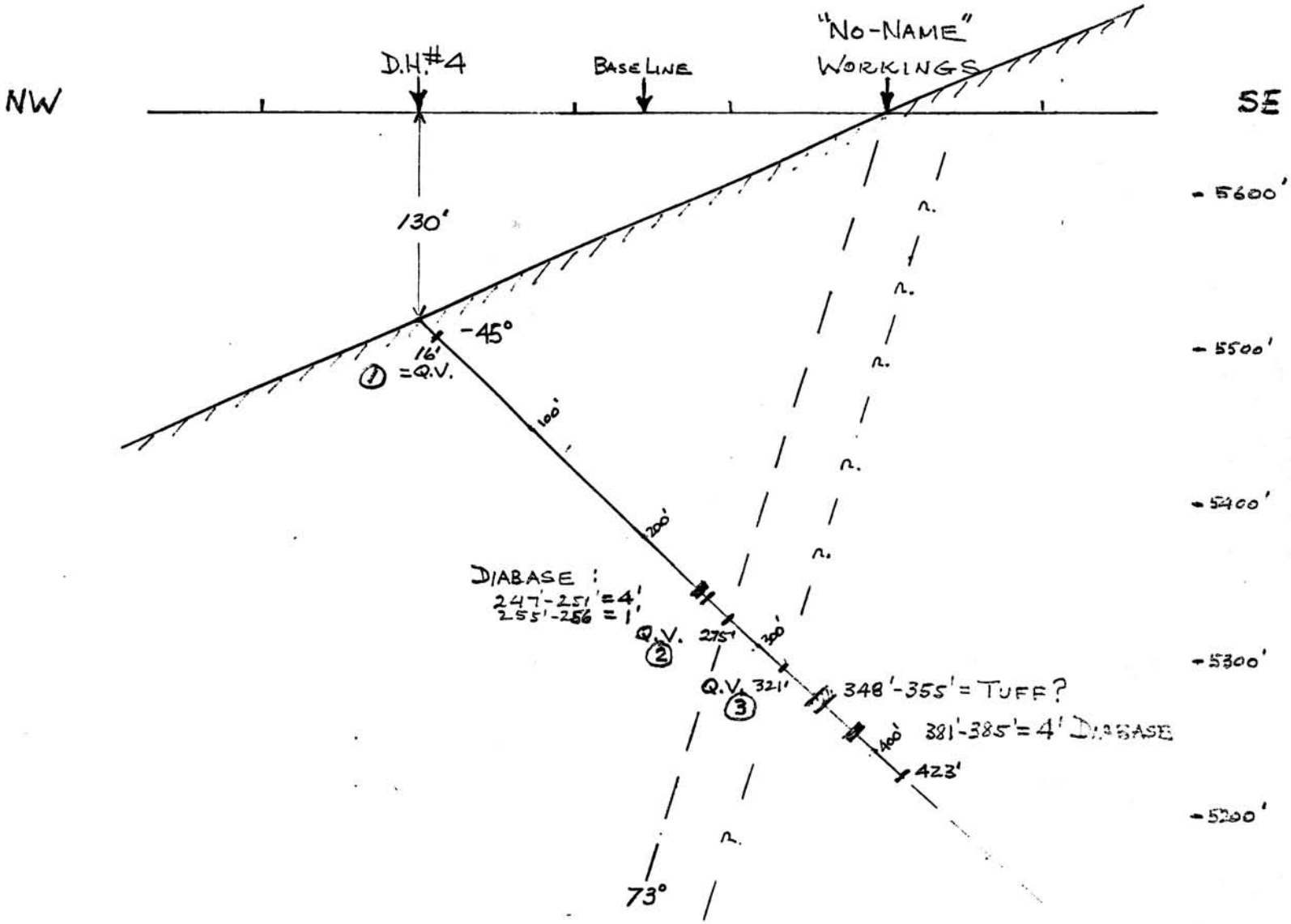
① 16' 6" QV. ~~6" 15" + 9" either side = 12" ?~~
+ 1' either side ≑ 2½'

② 275' 6" QV. Say 1' on either side? ≑ 30" / 2½'

③ 321½' 3"-4" or 6"? (yellow - brown sand on top)
"good soil on either side") 2½' altogether?
Q.V. + 1' wall rock on either side?

DOS CABEZAS ~ D.H. #4

1" = 100'



LOCATION :

300' NW OF "NO-NAME"

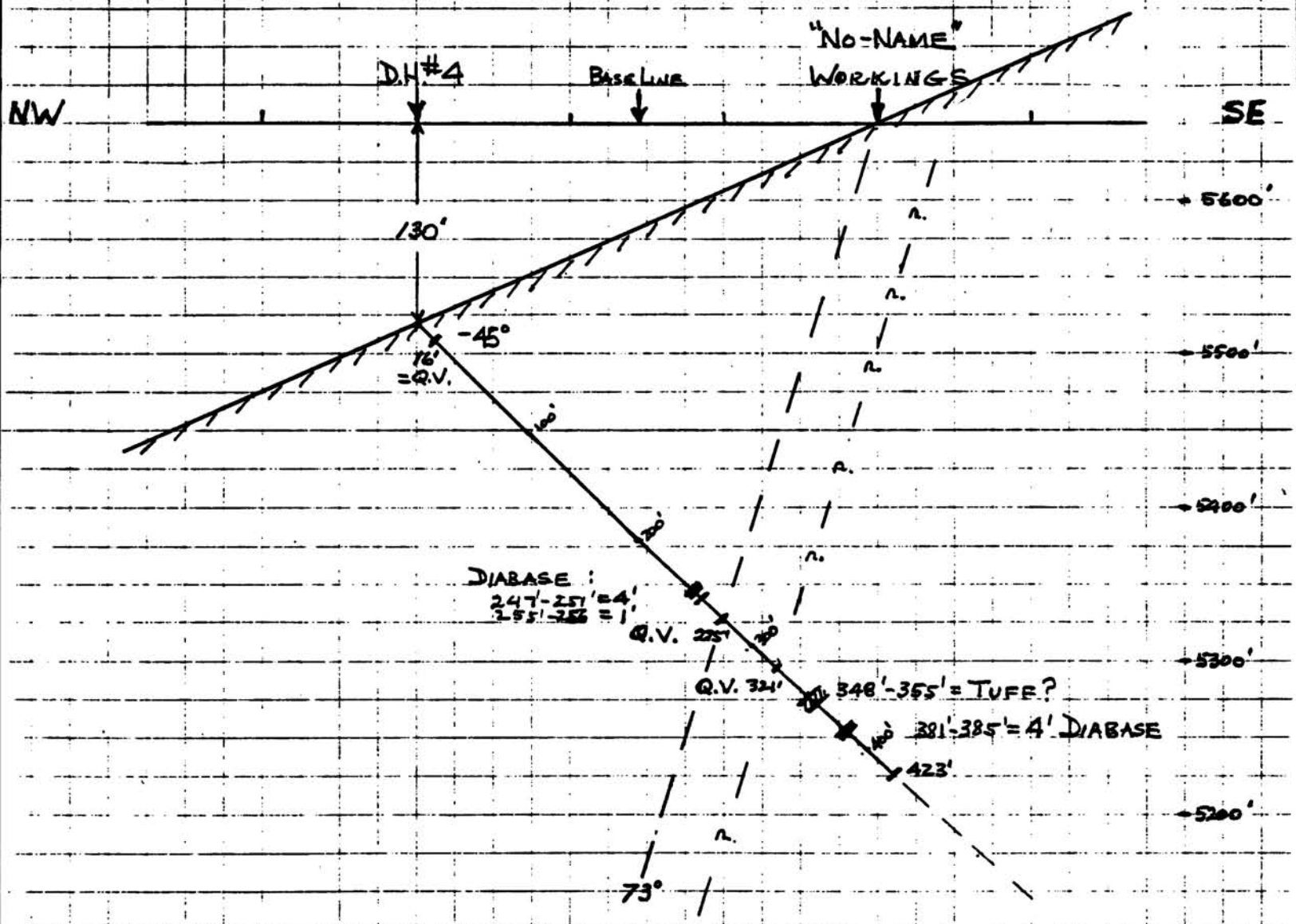
(13+85 N, 1+45 W)

DIP TEST :

-43° @ 313'

DOS CABEZAS ~ D.H. #4

1" = 100'



LOCATION:
300' NW of "No-Name"
(13+85 N, 1+45 W)

DIP TEST:
-43° @ 313'

Des Bakeyas ~ Samples

 # DC-4-1 15.4' – 18.4' = 3.0'

Q.V. ≈ 1/4–1/3 of sample; GP = balanced – Still weathered & partially oxidized & some leaching. Only sparse sulf. in the QV & even in the G.P. ferromags; appears to be all pyrite.

Assay for Au & Ag only as a precaution?

 # DC-4-2 274.5' – 277.2' = 2.7'

Also 1/4 or so Q.V., balance G.P.

G.P. partly brecciated & silicified – unlike DC4-1 contains abundant py., several % – so definite Cu, Pb or Zn. Much less py in the Q.V., but more than DC4-1.

Assay for Au & Ag only?

 # DC-4-3 320.5' – 323.0' = 2.5'

Mostly GP, & very little Q.V.

>1/2 sample has only scattered grains py, even in the f/m.; minor py. in rest. G.P. somewhat altered; the ferromags are lighter than normal.

Au & Ag only. (Not worth assaying?)

Mustard Syndicate
Das Colegas Project

Drill Hole D.C.-5
(Leroy Shaft)

Wed. Jan. 7 Moving to drill site.

Tues. Jan. 13 ✓ 208'. Seems to be going well.
All L.P. Nothing of interest – 2 very thin Q.V.s + a 12' Diabase. 215'-218': several thin QV + stringers + pyr –

Wed Jan 14 ✓ 273'; Probably 330' by tomorrow afternoon.
✓ 259'-260': mixed QV (+ DB)
4' DB on HW + 3' on FW.
✓ HW looks like good DB (+ very fine sul-) to about 258' then sept "Well Zone".
FW looks more like f.g. dark grey DB.

Thurs. Saw rare from 260' – 315' or so, all GP except for a 6' DB – looked pretty barren from a quick glance.

Sun. 18 D.H. @ 366' All L.P.
Pat says Leroy Shaft appears flat, say 50°-60° whereas Leroy Shaft steeper, say 70°-75° or more.

Mon 19. D.H. @ 423' (57')
363' ~ slight increase in sul + qtz. in the granite. continues to 381', then f/ms change from black to green
385' ~ 4' "TUFF".
389' ~ Diabase – contacts @ 60° to core, – contains several mm qtz. stringers + sulphides
Still in it at 423' = 34'+

Jan 19 cont'd

Still only 1 vein – seems too shallow but may be it – & he says should plan to drill to 500' i.e. vertically below the Leroy Shaft.

& N.B. Hole got started a bit "off" – 5° N!

Other Veins: not sure if Pat saw these for himself, or info from Edgar, or both.

A) Edgar now calls this the North Vein – not the same as shown on his sketch! –

& Take sketch & ask him!

Pat says it heads off at 70° from vicinity of the Leroy and this is where Edgar did his bulldozing

B) 2nd vein farther up hill which Edgar calls the Oneida Vein. ~~This is not shown at all on his sketch~~ Actually his sketch does show the Oneida extending this far.

Lindsley's map does show 1 vein, heading off about 70° from the Leroy = "A" above. We wouldn't necessarily hit this one in DH #5 – the hole is probably not far enough N. but Lindsley doesn't show any distance.

Jan. 21. Hole ended at 503'.

359'-465' = DB ~ variable qtz + py throughout!

465'-503' = G.P. ~ some chlorite, little or no sul.

D.C. ~ D.H. #5 ~ Samples

#DC-5-1 82.0' – 85.0' = 3.0'
Au & Ag only. 0.004 Au ; 0.04 Ag

#DC-5-2 258.0' – 260.0' = 2.0'
Au & Ag only. 0.001 Au ; 0.02 Ag

#DC-5-3 composite – ≈3" every 5'
389' – 465' = 76'.
Au & Ag only. and Pt? 0.001 Au; 0.02 Ag & Pt. "N.D."

#5-7 composite along vein from Levy Dir. Shaft for 500' (Main Vein).

#1 mostly G.P. w/ few inches Q.V.
– G.P. partly altered; siliceous; weakly mineralized w/ couple % py; no base metals detected.

#2. mostly DB. ~ more QV than #1 ~ very little identifiable granite.
DB looks more like my "Wall Zone" – partly black serpentine – also some green chlorite.
Less dissem. py. but more py coatings or plating on fractures. No L.M. except 1 or 2 possible grains cp.
⊗ Could "Wall Zone" indicate ore nearby?

#3. ~~DB as~~ Very thick DB Dike or other Basic Intrusion – definite texture in central part (i.e. med. gr.) – variable but weak dissem. py. throughout. Some of the white stringers are carbonate not qtz. Also some epidote veinlets. not serpentinized except along some fractures

Could this be Edgars DB from #8?

D.H. #5 - Assays cont'd.

		Au	Ag
#DC.5-4	36.5-38.5 = 2.0'	0.001	0.05
[# DC.5-5	error! this number was skipped].		
#DC.5-6	137.0'-140.0' = 3.0'	0.001	0.03
#DC.5-7	150.0'-152.0' = 2.0'	0.001	0.08
#DC.5-8	215.0-218.4' = 3.4'	0.001	0.05

Dos Cabezas ~ Log D.H. #5
(Leroy Shaft)

0-25 OB and very soft GP

25-45 Weathered GP

⊛ → 37.5' : 4" QV – no Wall Zone or DB on contacts – barren.

Sample DC.5-4 : 36.5'-38.5' = 2.0' ; Au & Ag

45-50 gradually becoming fresher.

50-78 GP – virtually barren – minor py. at 72, still part oxidized.

78-80 GP – highly fractured & altered to clays – like a fault gouge – some sul. but largely oxidized.

80-85 Abrupt change at 80' to fresh, hard GP – more sil. & more sul. – very f.gr. py in f/ms + possible trace Pb/Zn.

⊛ → 83' : 1"-2" QV – only minor py in the qtz. but several % in adjacent GP.

[redacted] SAMPLES DC.5-1 : 82.0'-85.0' = 3.0' Au & Ag

85-97½ = 12½' DB – very f.gr., dense, massive, fresh – minor py throughout – very little qtz – def. non-mag – upper contact 15°.

97½-137 typical GP –

⊛ → 118' : ½" QV & thin W.Z. & several % py in vein & walls.

NOT SAMPLED (OMITTED # DC.5-5)

137-148 GP, but much blacker.

⊛ → 139' : 1" QV – definitely more qtz + py in adjacent GP than before.

SAMPLE DC.5-6 : 137.0'-140.0' = 3.0' Au & Ag

147 : thin, sheared, silic. DB – only minor py.

148-170 GP – a little more fractured & chlorite partings.

⊛ → 151' : 1" QV + thin W.Z. – minor py – contact 33°.

SAMPLE DC.5-7 : 150.0'-152.0' = 2.0' Au & Ag

170-174 GP – black, sheared & altered ; a little more py.

⊛ → 171' : ½" QV – only minor py.

NOT SAMPLED

174-215 GP — only traces py in the f/m's.

⊛ 215-218 Altered zone c/ 1 or 2 qtz. stringers, chlorite, some py.
SAMPLE DC-5-8 : 215.0'-218.4' = 3.4' Au & Ag.

218-251 GP — 1 or 2 thin bands like "TUFF".

251-252½ = 1½' DB. Very f.gr., dense, almost black — partly serpent? — little or no sul.

252½-255 GP. — only trace py.

255-257 = 2' DB — as above but soft — little or no py — def. non-magn.

257-257½ GP

257½ 4" DB.

⊛ → 258'-259½: composite QV c/ qtz., sheared & silic. granite, chlorite; fair py + possible few grains cp.
SAMPLE DC-5-2: 258.0'-260.0' = 2.0' Au & Ag
4' DB on H/W & 3' on F/W; thin, soft W.Z. on H/W side of QV; F/W f.gr., dark grey DB.

259½-263 DB — typical very f.gr., dense, dark grey; soft; trace py; non-magn.

263-306 GP.
264 = 3" DB.
266 = 1' "TUFF" — banding varies from 40° at top to 55° at bottom.
277 = HUGE "EGG" (≈8").

306-310 GP — sheared & altered — abund. epidote & chlorite.

310-318 = 8' DB. — very dark, f.gr., partly serp. — locally fractured & epidotized (See Core Sample 317') — minor py — def. non magn.

318-386 GP — a few thin bands of shearing or "TUFF".

386-389 "TUFF"?

389-466 Basic Intrusive — possible very thick Diabase dike.
390': very f.gr., dense, very dark (serpent.?); moderately magnetic
446': definite "diabasic" texture in central part, indicating

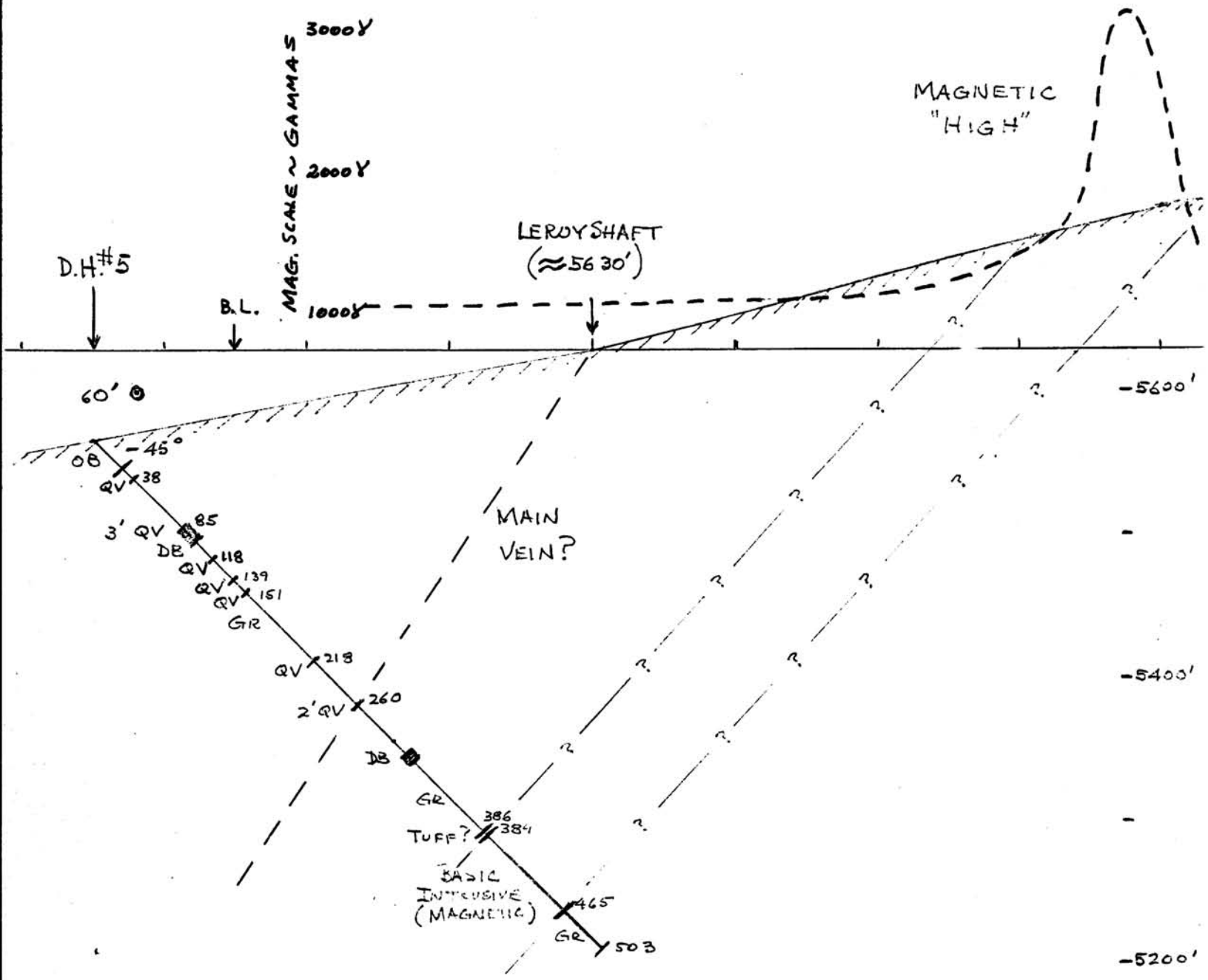
it's a thick intrusive & not just drilling down something;
minor py. throughout; def. magnetic
465': as at 390'; again def. magn.

466-467 GP

467-469 DB — mod. to strong mag.
SAMPLE DC.5-3: 389'-465' = 76'; composite of 3" per 5'.
AU, AG & PT.

469-503 GP — greenish colour — few inclus DB.
494': green GP — feldspar phenos distinct light green colour & hard — seems very silic. — only trace py.

DOS CABEZAS ~ D.H. #5
1" = 100'

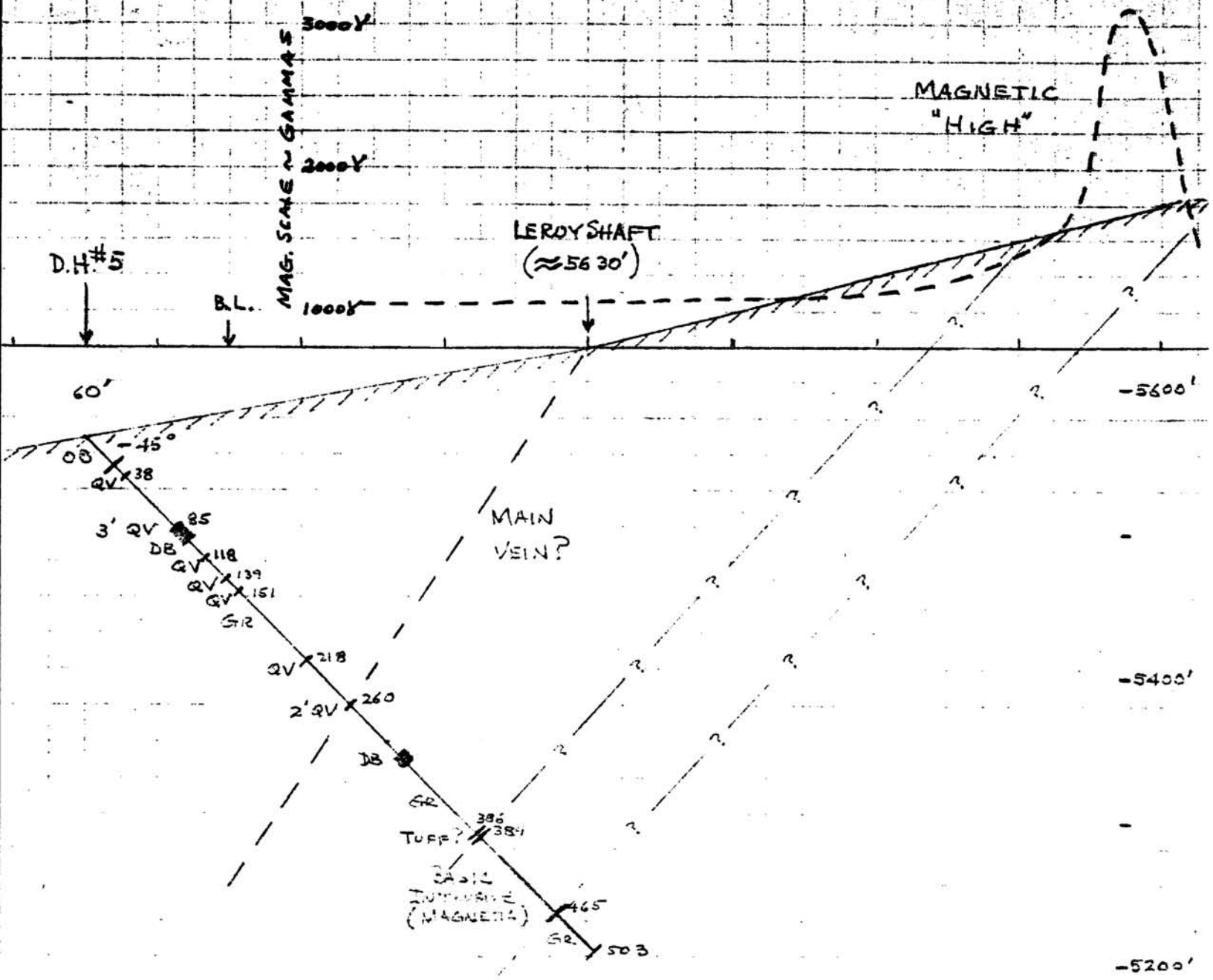


DB = DIABASE
GR = GRANITE
OB = OVERBURDEN
QV = QUARTZ VEIN

MORE ACCURATE SURVEY JAN. 27/81
REF. - NE corner of Leroy Shaft planking.
BRG. To Hole N 44°W (6° OFF)
DIST. - 321'
EL DIFF. - 34'.

LOCATION: ≈ 2010 N, 1400 W
DIP AT COLLAR: -45°

DOS CABEZAS ~ D.H. #5
1" = 100'



DB = DIABASE
GR = GRANITE
OB = OVERBURDEN
QV = QUARTZ VEIN

LOCATION: ≈ 20+00 N, 1+00 W
DIP AT COLLAR: -45°

Pincock, Allen & Holt, Inc.
4370 S. FREMONT AVE. • TUCSON, ARIZ. 85714
(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

February 4, 1981

Dr. Robert A. Bell
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Included are the results of the latest group of samples that you requested be assayed for gold, silver, copper, lead and zinc. The results are as follows:

Sample No.	Analysis PT (oz./T)	Au (oz./T)	Ag (oz./T)	Cu (%)	Pb (%)	Zn (%)
DC4-1	0.005	0.001	0.04			
DC4-2	0.002	0.001	0.05			
DC4-3	0.005	0.002	0.04			
S-1	0.002	0.001	0.04			
"NoNAME" S-5		0.315[1]	0.17	0.02	0.36	0.05
	ND[2]	0.072	0.13			
		0.094 .083				
DC5-1		0.004	0.02			
DC5-2		0.001	0.02			
DC5-3	ND⊗	0.001	0.02			

⊗ This was the only Pt. I requested!

[1]Value of 0.315 resulted from technician confusing samples

[2]None detected

We appreciate the opportunity to be of service and look forward to continued association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

SLM:ds

cc: Maurice C. R. Taylor

Pincock, Allen & Holt, Inc.
4370 S. FREMONT AVE. • TUCSON, ARIZ. 85714
(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

February 16, 1981

Dr. Robert A. Bell
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Included are the results of the latest group of samples that you requested be assayed for gold and silver. The results are as follows:

Sample No.	Analysis Au (oz./T)	Analysis Ag (oz./T)
✓DC6-1	.063	.08
✓DC5-4	.001	.05
✓DC5-6	.001	.03
✓DC5-7	.001	.08
✓DC5-8	.001	.05
✓S7A	.008	.14
✓S7B	.040	.22

We appreciate the opportunity to be of service and look forward to continued association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

SLM:ds

cc: Maurice C. R. Taylor

Las Cabezas
Log for Drill Hole #6

Location:

0-12 OB.
12-16 Rubble.
16-30 Highly weathered G.P. } More phenocrysts than
30-34 GP gradually becoming fresh. } matrix! Huge "eggs".
34- - a few qtz stringers $\frac{1}{4}$"-1" @ ≈ 30° (east dip?)
162 74' - $\frac{1}{4}$" calcite stringer; minor py in the fms.
112' - more qtz but no increase in py; GP is only moderately black - not like Hole #5 (?).
114' - 5" Q.V. @ 45° (vertical) c/ heavy chlorite on both sides giving composite "vein" ≈ 2'; fair py. + occasional cp + sp in qtz, chl., + GP.
DC.6-1 113.0 - 115.0 = 2.0' (= West Branch of Main Vein?)
122' - few qtz. stringers.
154'-155' 4"-6" "vein"; only ½" qtz. + a few inches of soft, pale green talc-chlorite with a few % py but no B.M.; ≈ 60°
162-163 1' DB.
163-233 GP - typical
195 ≈ 1' fracture zone c/ real talc + few % py.
233-234 1' DB.
234-327 typical GP. - very "fresh" looking.
250' - feldspar phenos distinct pale green = epidote? perhaps more py in fms but still minor
250'-290' GP becomes gradually blacker.
327-340 GP gradually takes on sheared look - very distinct banding - in extreme parts, looks like coarse TUFF.
Banding 45°-50° = Vertical. Siliceous; more py?

DC.6-2 339.5-342.5 = 3.0' MAIN VEIN?

Composite vein with massive qtz, DB, chlorite gangue & fair py.

⊗ Very little sheared GP or TUFF below the vein!! (Could this be the main part of the fault zone controlling the Main Vein?).

343-352 GP

352-353 1' DB. - largely altered to chlorite.

353-371 GP.

355' - banding & shearing starts again & increases towards the vein but not as extreme as at 327-340.
- individual pieces of core definitely look like a TUFF, but in the core box you can see the progression change from fresh GP. Banding 55°.

DC.6-3 363.0-366.5 = 3.5' Looks very "lively" - but small
EAST BRANCH? Hole #2 of py. coarser & more abundant. - possible trace of Pb/Zn - few stringers of coarse calcite.

⊗ Little or no sheared GP on the footwall side as with Sample #2! Composite vein of qtz, DB, etc.

371-380 = 9' DB. 53° at top & 60° at bottom.

380-402. GP - quite a bit more epidote in last few feet - could we be approaching another vein? 393: 1/2" calcite veinlet.

402 Bottom of hole.

Hole #6
ASSAYS

D.C. ~ Hole # DC-6; Samples

DC.6-1 113.0-115.0 = 2.0'

Au = 0.063
Ag = 0.08

DC.6-2 339.5-42.5 = 3.0' Very similar to #3 but probably more sulphide — certainly more apparent in the G.P. — still no definite Pb/Zn but also very "lively". New piece of med. grey D.B. — square plag. phenos. in part of sample completely altered to clay mins. Au + Ag only ⊛

DC.6-3 363-366.5 = 3.5'. Sheared, banded GP c/ Q.V. + stringers — all light coloured & very siliceous — GP is deceptive — looks barren but minor very f.gr. py throughout. Min. looks very "lively" — best since Hole #2. Still mainly py but coarser & more abundant — also med., bright green chlorite like Elmira & Oneida ore. — possible trace Pb/Zn. New stringers of coarse calcite. Au + Ag only?

⊛ Should we assay for trace amts. of Pb/Zn as a guide to the Ag?.

Hole 4 DH @ 380'-382' early – several breakdowns + missing drillers

SAMPLE DC6 –3 = 3.5'

363-66½ complex QV w DB, Chl, py + cp.; some Pb/Zn? (Any py + cp that not under Pb/Zn)

366½-71 GP

371-76 = DB

(?) SAMPLE 370-371 Same Q + py – not worth a sample.

372-74 small QV w fractured, shared granite. No Pb/Zn?

376-78 = T-left

~~374-76 GP~~

378-380 FRDK – black & blue eyes.

~~376-78 Lt~~

380-82 GP

~~378-80, 80-82 GP~~

382 chlorite everything.

① Advised Lim to continue to 400' as planned; probably through the multiple veins as indicated on old maps.

② Drill #7 next; if no good skip #8 + round to #9.

End of Hole 382-402 = GP / epid + a few qtz stringers

Samples completed on DH #4 + DH #6 (except 372-4).

Lee drilling: 6 (or 7) vertical holes averaging about 120' deep — #1 & #3 "looked good"; #2 wrong side of vein; #5 hit Lucy Shaft; #6 "may have been good" (Edgar A) Only has part of core from #1 – thinks Lee may have the other core or at least a record of it.

Our assay comes from Edgar not from Lee!! Thus may not be a representative sample.

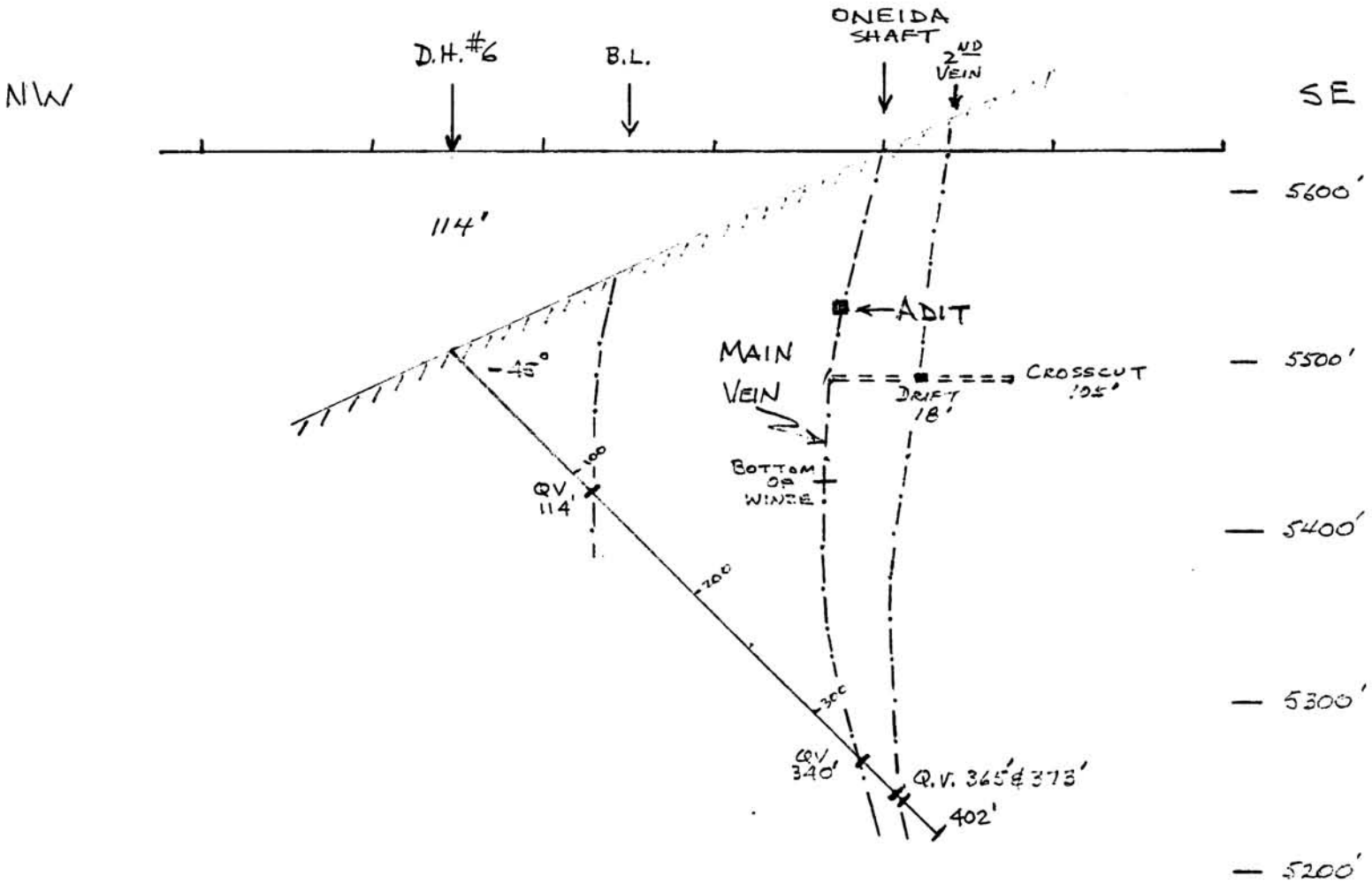
⊗ Lot to check core, depth, thickness, etc.

Re-logged Holes #1 & #2. Compare notes!

Sites for #7, #8, #9 + #10 bull-dozed; est. cost of $400.00 per site.

Trenching: $175 round-trip from Wallace + $80/hr & 8-hr day ($640/day) ≈ $3500/wk 1 or 2 trenches/day. like #A-8

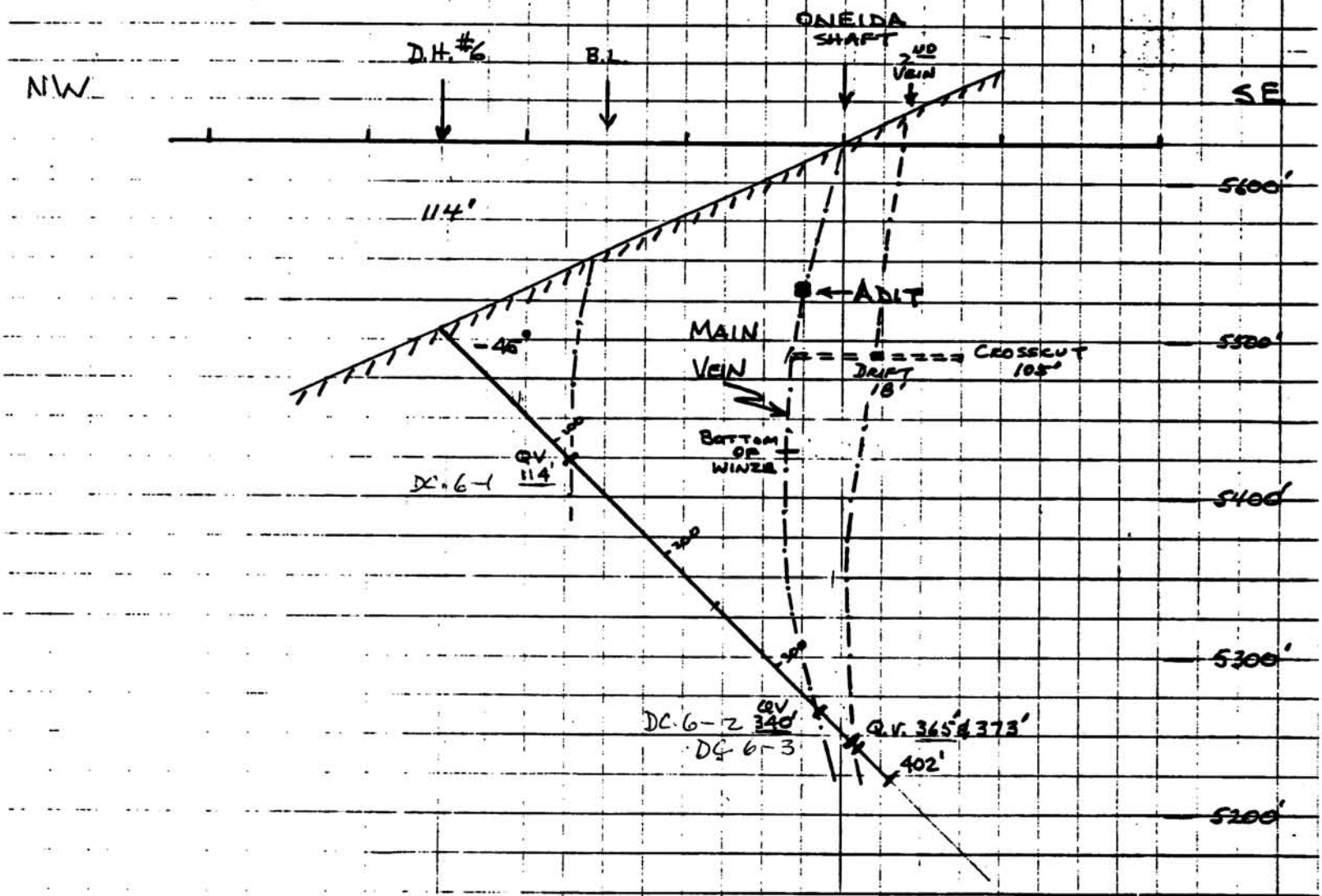
DOS CABEZAS ~ D.H. #6
1" = 100'



LOCATION OF D.H. #6:
255' N50°W OF VEIN OCP.;
APPROX. 7+25 N, 1+15 W
EL. FROM TOPO MAP 5535'

DOS CABEZAS ~ D.H. #6

1" = 100'



LOCATION OF D.H. #6:

255' N50°W OF VEIN OCP.

APPROX. 7+25 N, 1+15 W

EL. FROM TOPO MAP 5535'

January 23, 1981

Mr. Maurice C. R. Taylor
1140 Glenview Road
Santa Barbara, CA 93108

Re: GEOEX #1478B
Map of Carol 1 through 10
Cochise County, Arizona

Dear Mr. Taylor:

Enclosed is a copy of the map of the Carol Claims, 1 through 10, Cochise County, Arizona, located December 17 and 18, 1980.

We are sending a copy of the map to you today via Purolator Service - the local office has promised delivery in Santa Barbara before noon on Monday.

Mr. Heinrichs expects to be back in the office the early part of next week in the event that you have questions after looking over the map.

Sincerely,

Heinrichs GEOEXploration Company

Mary H. Turner

MHT
Enclosure: 1
cc; enclosed
with letter sent
by Purolator

8702 East Appomattox St.,
Tucson, AZ.85710.

18th February 1981

Pincock, Allen & Holt, Inc.,
4370, S.Fremont Ave.,
Tucson, AZ.85714.

Dear Sirs,

Please assay the accompanying 8 samples as indicated :

1.	DC:7-1	:	Au and Ag only
2.	DC:7-2	:	ditto
3.	DC:7-3	:	ditto
4.	S-3	:	Au, Ag, Pb and Zn
5.	S-4	:	Au and Ag only
6.	S-6	:	Au, Ag, Cu, Pb and Zn
7.	S-8	:	Au, and Ag only
8.	S-20	:	ditto

Yours truly,

Robert A. Bell

Copy to: Mr.Maurice C.R.Taylor

RAB/jmb

Das Galeyas ~ Hole # DC-8

Location: approx. 4+00 S, ; under the main Vein, off the south end of the Eleinex.
Elevation: 20' above Eleinex shaft collar.

0-10 Overburden
10-35 Highly weathered Granite porphyry.
35-66 Becoming fresh G.P.
66-70 Prominent fracture zone; only minor pyrite.
70-79½ GP - blacker & "shattered".
79½-82 Diabase 2½'.
82-88 GP - shattered.
88-180 GP - typical - only traces of py in the ferromags.

180-183½ GP - very "fresh" looking; more siliceous but still only traces of py; slight epidote alone towards vein.

183½-193 = 9½' Composite Vein.
6" "Wall Zone" - soft, med. green, traces py.
4" massive qtz. - a few streaks of Cu, Pb & Zn.
6" Breccia - green "gangue" + qtz - some py + Pb/Zn.
24" "Gangue" - med. grey & green - soft - actually looks
=187'. like DB. altered to talc+chlorite; only minor py.
187-189 = 2.0' G.P. c/ several % cubic py & possible fine Pb/Zn fractured & shattered but no qtz. veinlets.
189-190+ = 1.2'? ½" qtz. veinlet then highly fractured GP c/ qtz. stringers, green chloritic gangue, several % py & minor Pb/Zn
190+-192+ = 1.8'-2.0' Massive Q.V. c/ abundant Pb/Zn & minor Cu
Very good splashes of galena c/ sp. & cp.
192+-193 = 8" Wall Zone - lt. green talc + sheared & altered GP. Minor sulf.

193-209 GP — several % sul. (all py?) initially then gradually decreasing.

209-215 DB = 6'. Soft — med. grey-green — trace py — non magn.

215-250 GP — typical — minor ep. in places — a little blacker at 240-250; only trace py; no qtz. stringers or no faults or shears.

250 Bottom.

⊛ No "TUFF" above or below the vein!

See separate list of samples & assays.

DC-8

SAMPLES

#	FOOTAGE	AU	AG	CU	PB	ZN	
DC-8-1	181.5-183.5=2.0	0.001	0.07	x	x	x	
DC-8-2	183.5-185.0?	0.009	0.06	0.01	0.04	0.10	5
DC-8-3	185.0? - 187.	0.001	0.04	x	x	x	
DC-8-4	187 - 189	0.001	0.08	x	x	x	
DC-8-5	189 - 190. ?	0.001	0.06	0.01	0.07	0.29	5
DC-8-6	190. - 193	0.004	0.50	0.03	4.90	0.67	5
DC-8-7	193 - 195/196	0.001	0.05	x	x	x	

TABLE 3

March 2, 1981

Sample No.	Analysis Au (oz./T)	Ag (oz./T)	Cu (%)	Pb (%)	Zn (%)
S-16	0.019	0.08	--	--	--
S-17	0.113	0.02	--	--	--
S-18	0.003	0.02	--	--	--
DC:8-1	0.001	0.07	--	--	--
DC:8-2	0.009	0.06	0.01	0.04	0.10
DC:8-3	0.001	0.04	--	--	--
DC:8-4	0.001	0.08	--	--	--
DC:8-5	0.001	0.06	0.01	0.07	0.29
DC:8-6	0.004	0.50	0.03	4.90	0.67
DC:8-7	0.001	0.05	--	--	--

Dos Palegas Project
D.H. #8

Feb. 16 Moving & setting up.
Approx. location 4+00 S, 1+10 W; Δ El. 100'.
Target depth ≈ 200'.

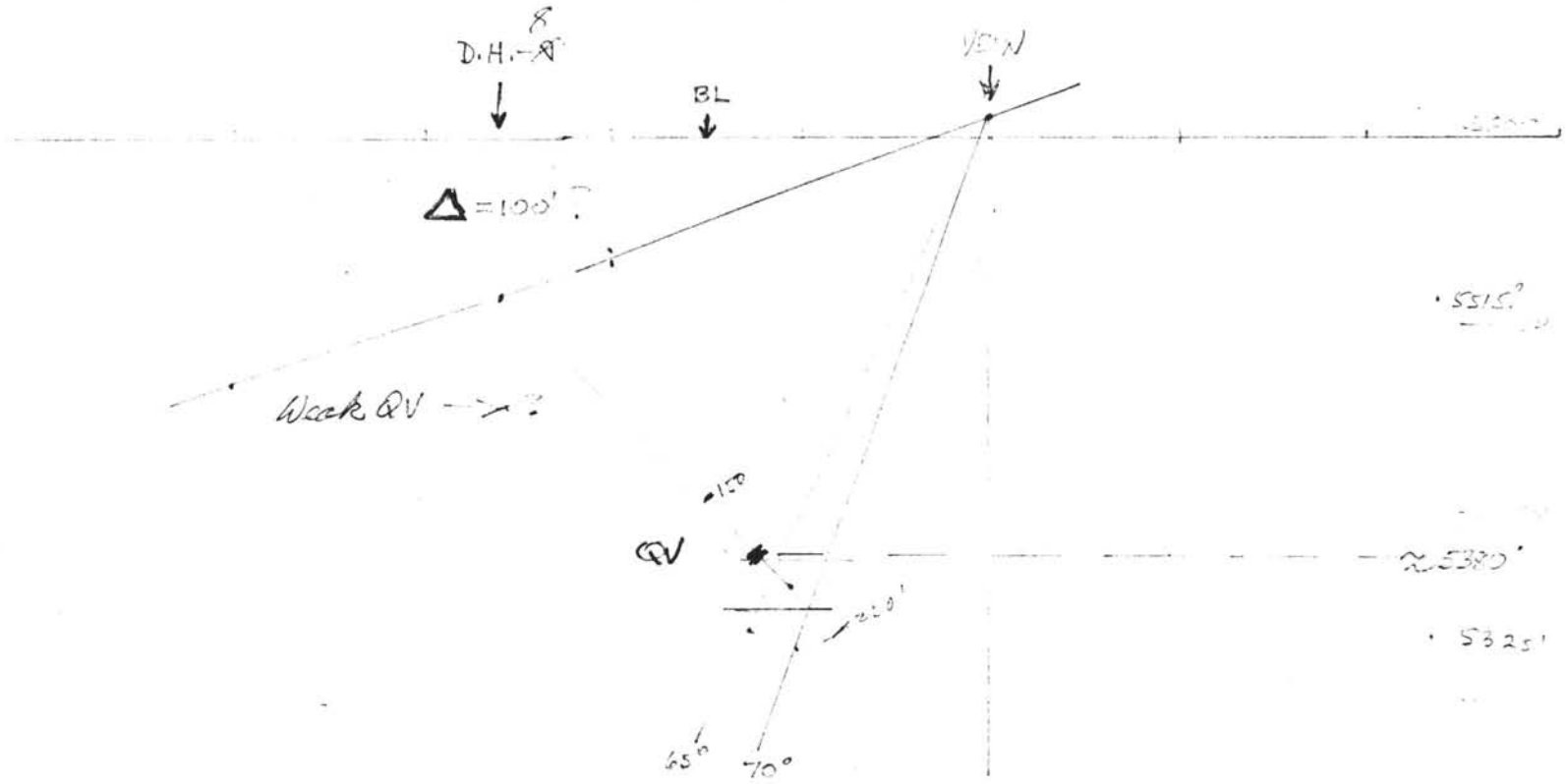
20-Level: 305' S. – no sample data
150-Level: 2+75 S + Raise + Stope all in ore.
300-Level: 4+00 S – ended in ore. – vein 20"-24".

Feb. 18 Casing 10'; Hole @ 23' in highly weathered G.P. Relog as conduit get drill up the hill – had to wait for Cat.

Feb. 20 Hole @ 150' = 127' in 2 days! Few bit so could finish Tuesday & into the vein late Monday or early Tuesday.
⊗ → narrow zone of qtz stringers + some pyrite shallower in the hole but Pat didn't have depth.

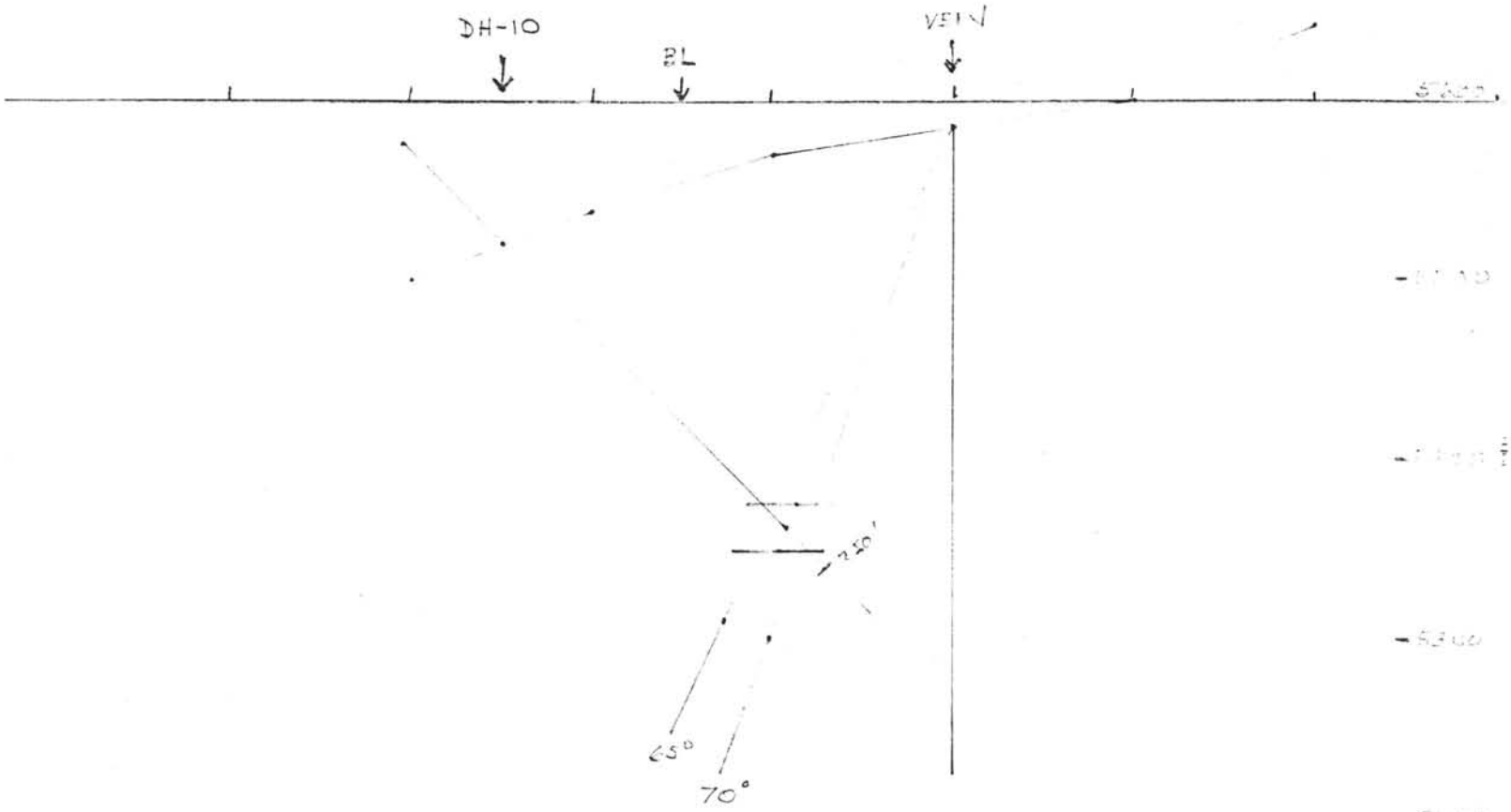
Feb. 23 Hole @ 199'. Drill to 250' or end of shift tomorrow.
Mineralized zone from 183'-194', incl. a 5' composite vein in lower part (i.e. ≈ 190').
Apparently several quartz stringers ¼"-2" + a 4" crossing QV ~ abundant py + Pb/Zn. Pat says at least 10x-20x as good as Sample DC.6-1 (which had about 1% sp/gal ∴ 10%-20% + ?)
Then move to #2; deepen to 500'-525'; i.e. set-up Wed., drill Thurs & Fri.
Scout Lico hole.

D.H. ~~#~~ #8 (Original #8 correlation)



ONLY FOR NOW!

D.H. # [illegible] 6 S.



DC-9
ASSAYS

Dos Cabezas ~ Drill Hole #9
Rico Adit

Sample
#DC.9-1 94.5-96.0 = 1.5'

Narrow massive Q.V. + brecciated, silicified G.P.

Dissem. py, mostly very f.gr. but a couple of splashes between ¼" + ½", one with cp. core.

New grains of cp. + possibly trace Pb/Zn.

Assay for Au, Ag, Cu, Pb & Zn.

Cu + Ag only? Ric. Mar. 27.

Dos Cabezas

Drill Hole # DC-9

(Rico Adit)

Location: ≈ 100' W. of Rico adit.
Elevation: difference probably not measurable.

Mar. 4. Hole at 131'. Drill Thursday & quit if nothing of further interest.

0-11 : OB.
11-50? : highly weathered "granite" - abundant limonite stain (i.e. sul. all oxidized).
65-75? : highly fractured - drillers lost water = fault for sure.
88-95? : thinly banded, black, sheared rock, no large feldspars - similar to, but not quite, "TUFF".
RICO VEIN ? ≈ 95'-96 : Composite Vein of 3"-4" massive quartz. py, some cp., possible trace of sp/gn.
96-130 : fresh G.P.

Pincock, Allen & Holt, Inc.
4370 S. FREMONT AVE. • TUCSON, ARIZ. 85714
(Tucson Business Park — South Park Ave.)
Telephone (602) 746-1451 • Cable KAYPIN Telex 66-6457 (WUI)

April 13, 1981

Dr. Robert A. Bell
8702 E. Appomattox Street
Tucson, Arizona 85710

Dear Dr. Bell:

Included are the results of the latest group of samples that you requested be assayed for gold, silver, copper, lead and zinc. The results are as follows:

Sample No.	Au (oz./T)	Ag (oz./T)	Cu (%)	Pb (%)	Zn (%)
DC9-1	.003	ND	.03	.08	.090
SS22	.009	.01	--	--	--
SS23	.004	.01	--	--	--
SS24	.330	.02	.01	.13	.185
SS28	.020	.36	.38	.265	.03

"See Surface Sample" file

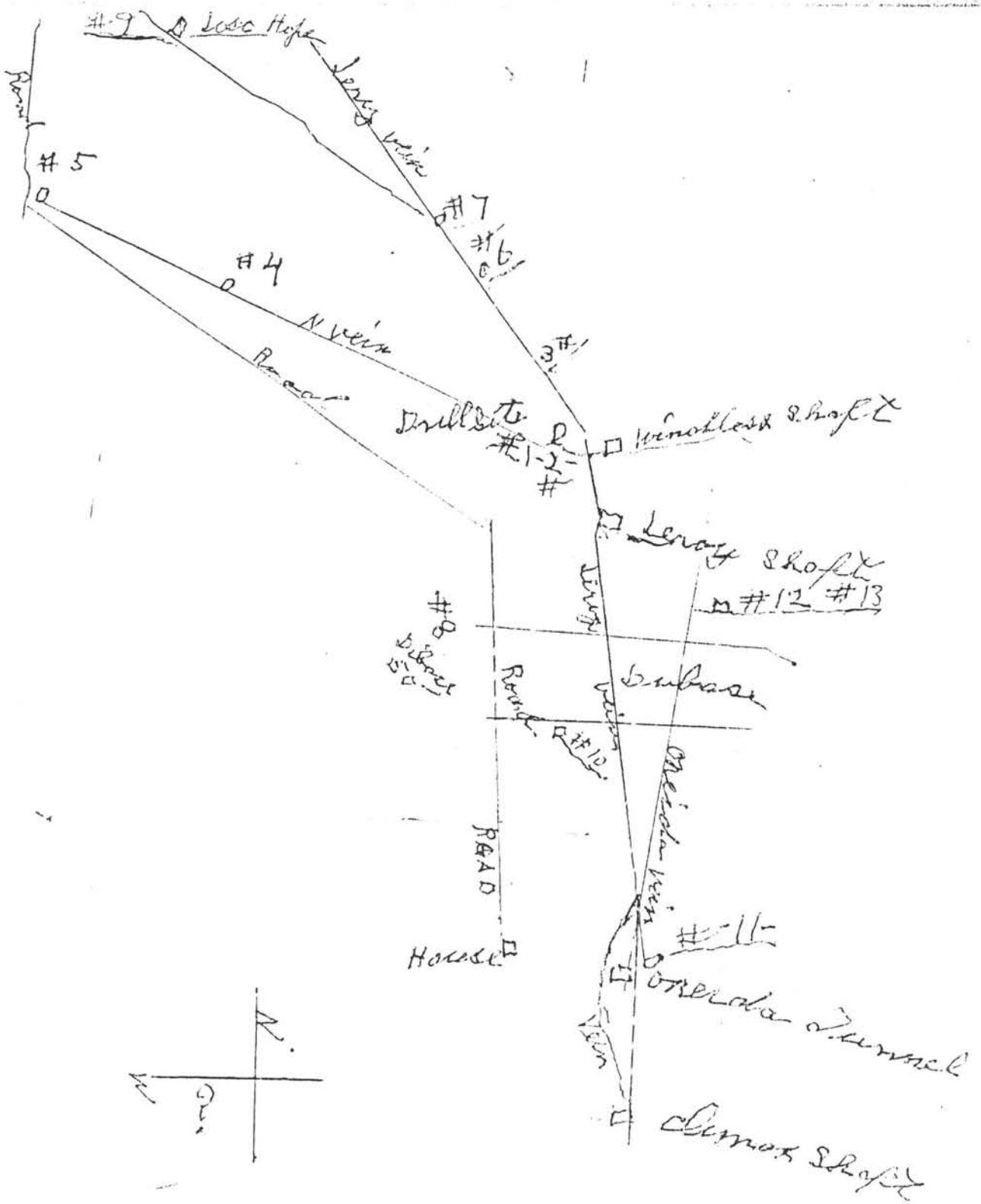
We appreciate the opportunity to be of service and look forward to continued association.

Yours very truly,

Steve L. Milne, P. E.
Manager - Underground Mining

SLM:ds

cc: Maurice C. R. Taylor


#9
Lost Hope
Leroy vein
#5
#7
#6
#4
N vein
Road
3
Drill Site
#1-2-
Winnetka Shaft
Leroy Shaft
#12 #13
#8
Leroy
Road
Leroy vein
Drill Site
#10
Oneida vein
ROAD
House
#11
Oneida Tunnel
Vein
Climax Shaft
N
?

PICTURE, MAP

March 16, 1979

Mr. Maurice C.R. Taylor
1140 Glenview Road
Santa Barbara, California 93108

Re: Land Status -
Anderson Mine Vicinity,
Cochise County, Arizona

Dear Maurice:

Pursuant to your request, I have ordered, received and reviewed copies of certain maps from the Bureau of Land Management for use in ascertaining land status in the areas surrounding the Anderson Mine property. For the purpose of outlining the land status, I have prepared a color coded land status plat of that portion of the BLM Master Title Plat encompassing Sections 26 through 29 and Sections 32 through 35 of Township 14 South, Range 27 East. The plat indicates four different types of mineral ownership status, as follows:

1. Privately Owned Lands (Including Minerals)

Those areas shown in red on the land status plat have been transferred into private ownership under patents or legislative acts granting the mineral estate as well as the surface estate. The right to explore such lands must be obtained from the present owner. As you will note, the area within the patented claims optioned to you by the Andersons appears within Sections 27, 33 and 34, color coded in red.

2. State or Privately Owned (Minerals Reserved to the U.S.)

Those areas shown in yellow on the land status plat have been patented by the United States under patents reserving to the United States minerals together with the right to prospect, mine and remove the same in compliance with the provisions of the act under which the particular patent was issued.

As you will note, each of the areas contains a patent number or an exchange number. Those areas prefixed by the designation "SX" were patented to the State of Arizona under the exchange provisions of the Taylor Grazing Act (43 U.S.C. § 315g). Minerals are reserved to the United States and are open to mineral entry under the United States mining laws. Any person who "acquires the right to mine and remove the reserved mineral deposits may enter and occupy so much of the surface as may be required for all purposes incident to the prospecting for, mining and removal of the minerals therefrom, and may mine and remove such minerals, upon payment to the owner of the surface for damages caused to the land and improvements thereon." The surface owner is not limited to a particular type of improvement on surface use damage as is the case in Stock-Raising Homestead Act patent reservations discussed below.

The other patents shown in yellow were all issued under the provisions of the Stock-Raising Homestead Act (43 U.S.C. §§ 291, et seq.). The patents contain a reservation of minerals and are open to mineral entry under the mining laws of the United States. A person prospecting for and/or locating the ground for mineral entry has the right "at all times to enter upon" the homestead "provided he shall not injury, damage, or destroy the permanent improvements" of the patentee. The mineral locator "shall compensate the entryman or patentee for all damages to the crops... by reason of such prospecting." After leasing or locating the minerals, the mineral owner may "reenter and occupy so much of the surface thereof as may be required for all purposes reasonably incident" to mining, such a reentry being conditioned upon (1) consent of surface owner, or (2) payment of "damages to crops or other tangible improvements" of the surface owner, or (3) posting of bond to cover such damages. In June, 1949, Congress enacted a law (30 U.S.C.A. § 54) providing that any person "who hereafter prospects for, mines, or removes by strip or open pit mining methods, any minerals from any land included in the stock-raising or other homestead entry or patent, and who had been liable under such an existing act only for damages caused thereby

to the crops or improvements of the entryman or patentee, shall also be liable for any damage that may be caused to the value of the land for grazing by such prospecting for, mining, or removal of minerals." Decisions rendered by the BLM and relating to Stock-Raising Homestead Act patents hold that the fact of location of a mining claim on lands subject to a minerals reservation pursuant to the Stock-Raising Homestead Act will imply that the locator has made a discovery for the purposes of application of provisions of the Stock-Raising Homestead Act, thus requiring the mineral claimant to reach an agreement with the patentee regarding payment for surface damages or posting a bond for such purpose with the Bureau of Land Management. Thus, after the location is completed, and prior to any subsequent entry the locator must comply with the terms of the Act in either reaching an agreement with the surface patentee or posting of a bond for damages.

3. U.S. Public Domain

Title to the lands shown in green on the land status plat remains in the United States as part of its public domain. The areas are open to entry under the mining laws, subject, however, to any previously existing claims.

4. State of Arizona (Including Minerals)

The area shown cross-hatched in red within Section 32 is owned by the State of Arizona pursuant to legislative grant. A check with the Arizona State Land Department on March 14 indicated that as of that date the area was available for application for a prospecting permit under the State of Arizona statutes. If this particular area is of interest, please let me know and I will advise you as to the procedure for applying for such permit as well as the terms and conditions of such permit.

5. Undetermined

Please note that the area constituting the South Half of the North Half of Section 28 has not been color coded. The reason for this is that although the Master Title Plat would indicate that a patent was issued without reservation of minerals, the indices accompanying the plat indicate that patent was issued under the Stock-Raising Homestead Act (in

which event, minerals would have been reserved to the United States). If this particular area is of interest to you, it will be necessary to obtain a copy of the patent to reconcile the discrepancy between the Master Title Plat and the indices.

In addition to the Master Title Plat, we were furnished with four unofficial mining district maps, copies of which are enclosed. These maps, designated as Map #824 through #827, indicate the approximate position of patented mining claims in Township 14 South, Range 27 East. As you will note, Map #826 and #827 encompass the areas in and around the Anderson Mine. Unpatented mining claims are not shown on these plats.

The BLM also furnished copies of maps of unpatented mining claims filed within Township 14 South, Range 27 East, under the filing provisions of the BLM Organic Act. In addition to the Anderson Mine claims (a copy of a composite plat of which is enclosed), unpatented claims filed within the Township and furnished by the BLM are as follows:

1. Swede #1-8 and Chelite #1 and 2, within the North Half of Section 29;

2. "Rena B." group #2-10 and 24, within Sections 7 and 8;

3. Brushy Canyon #3 and 4, within Section 8;

4. Deep and Deep #1-4 claims, within Sections 27 and 28, and Scheelite and Scheelite #1, within Section 29 of Township 14 South, Range 28 East; as you will note, the Deep claims were filed by E.S. Anderson and lie directly to the North and West of the claims named in your Agreement with the Andersons.

With the exception of the claims described in items 1 and 4 above, the BLM furnished no records of third party unpatented mining claims within the area shown on the land status plat. However, this does not mean that such claims do not exist and about the only way that such additional third party claims can be identified is by a field examination to ascertain whether any location monuments and claim location notices exist. If the field examination indicates such third party claims and if either the name of the claim or the name of the locator (and preferably the date of location

as well) can be obtained, it is then possible to check the records in the Cochise County Recorder's Office to attempt to ascertain whether or not the claims are being presently maintained.

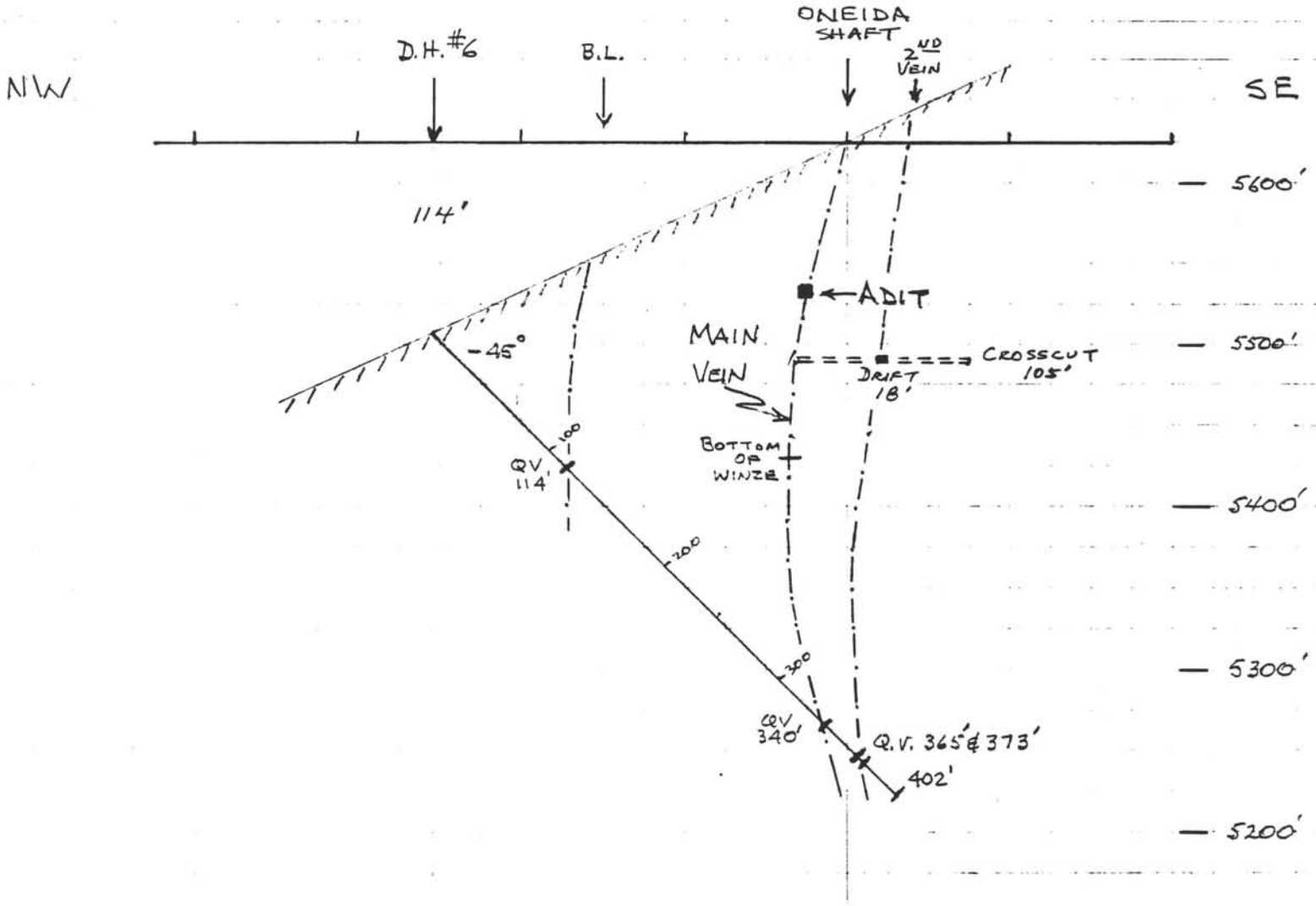
When you have had a chance to review the foregoing, please feel free to call me with any questions you may have.

Very truly yours,

Leo N. Smith

LNS/dmd
Enclosures

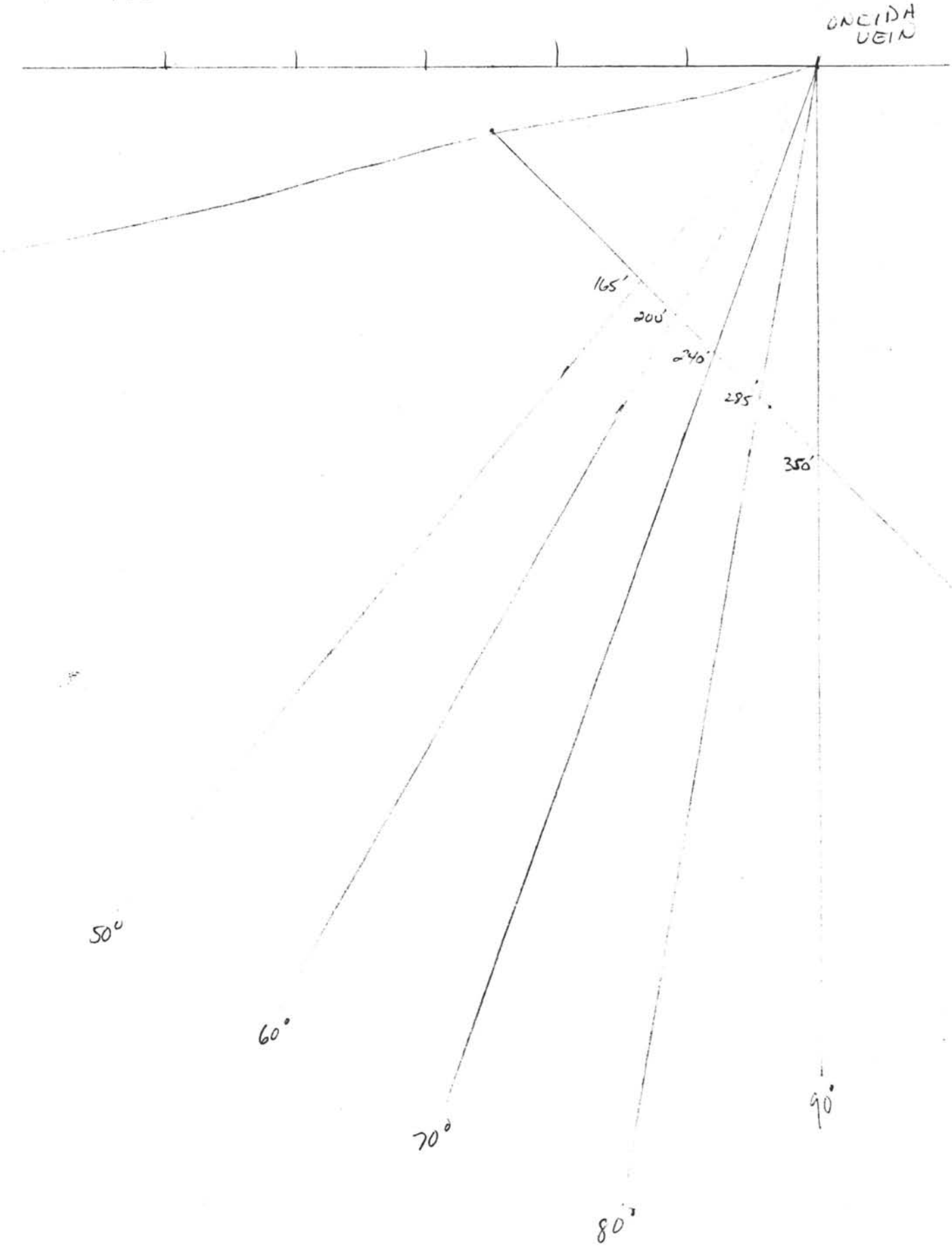
DOS CABEZAS ~ D.H. #6
1" = 100'



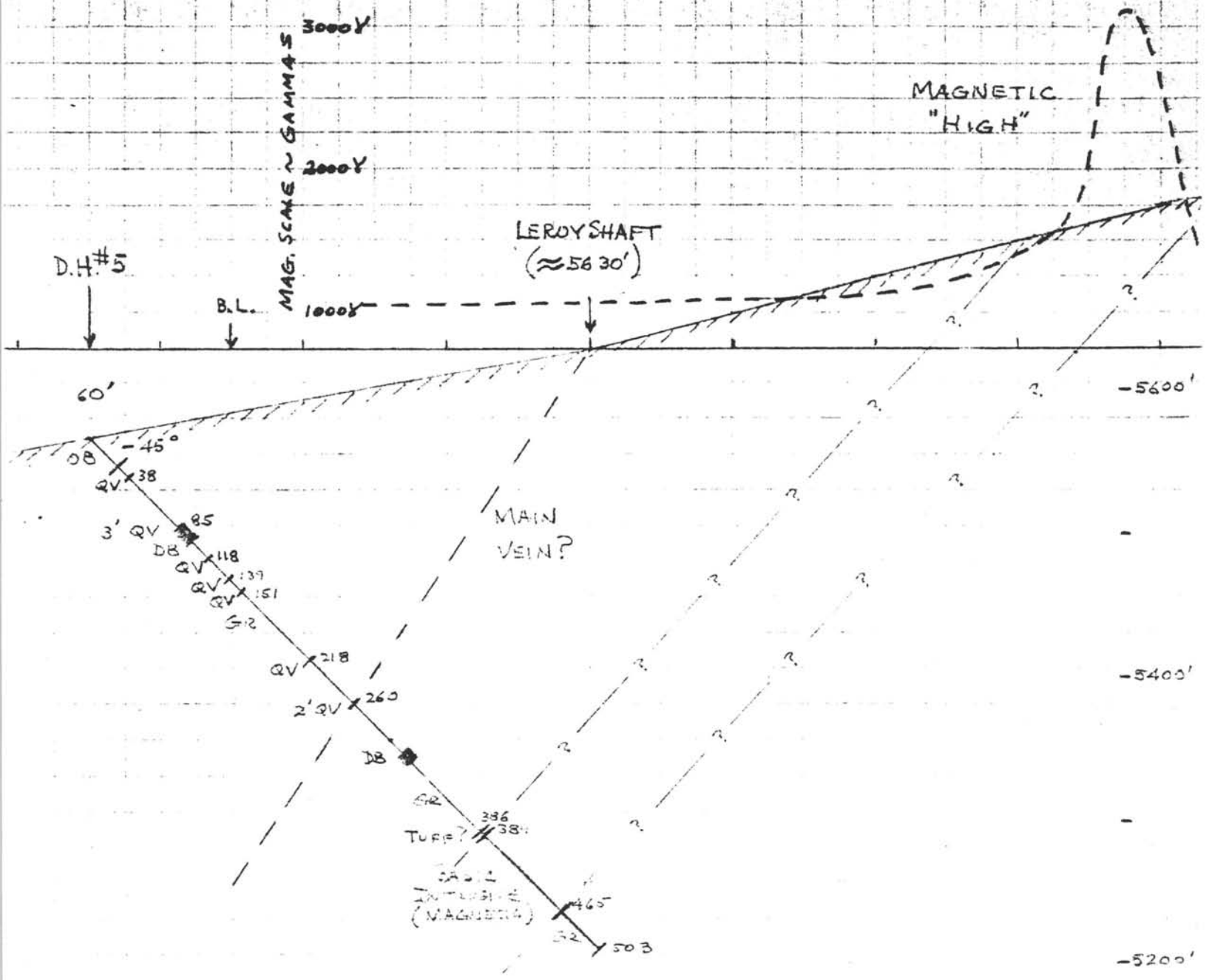
LOCATION OF D.H. #6:
255' N50°W OF VEIN OCP.
APPROX. 7+25 N, 1+15 W
EL. FROM TOPO MAP 5535'

DOS CABEZAS DH #6 = 50' S on Baseline Bearing (N 35° E)
50' E across Baseline Bearing

1" = 100'



DOS CABEZAS ~ D.H. #5
1" = 100'

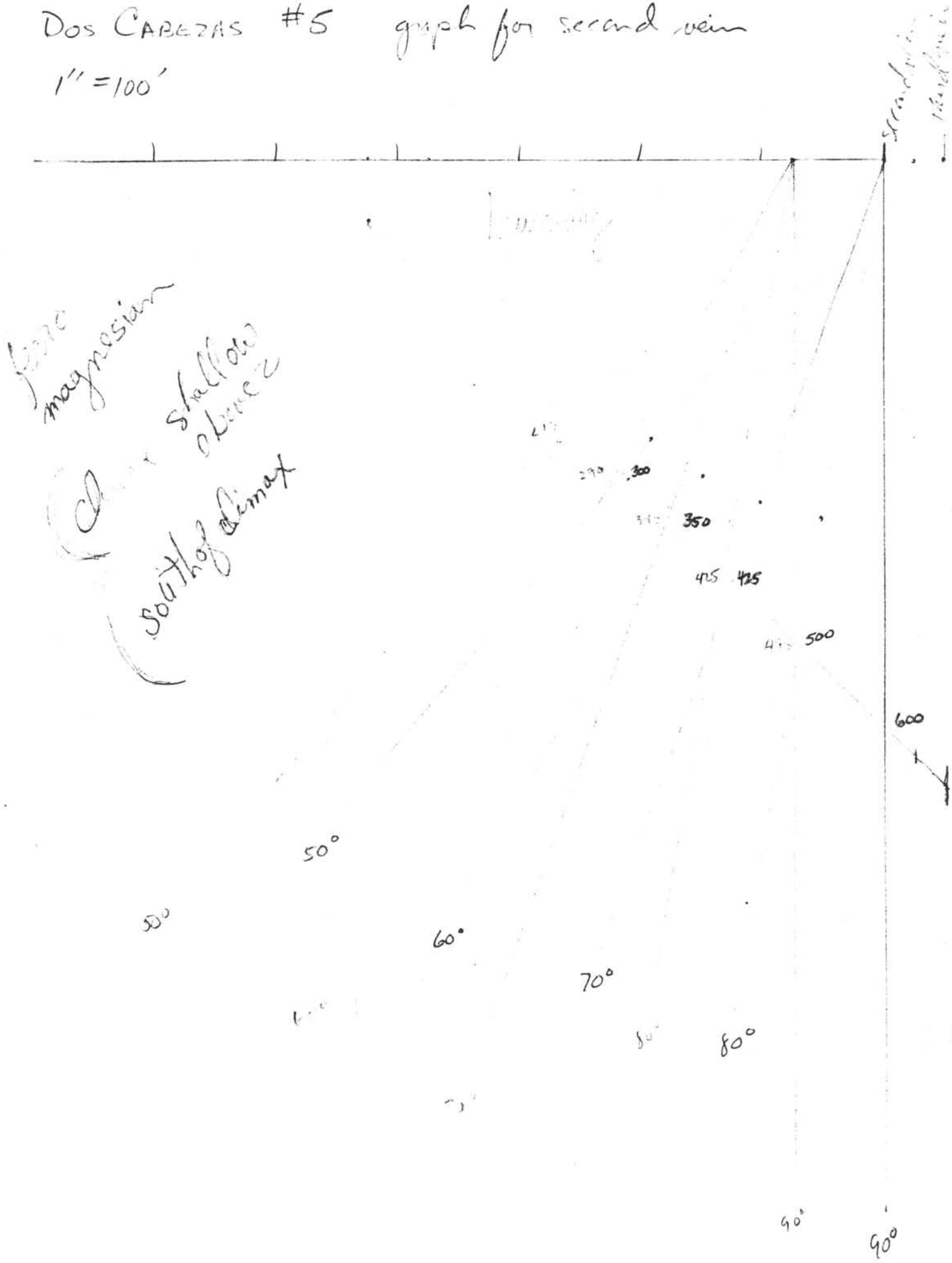


DB = DIABASE
GR = GRANITE
OB = OVERBURDEN
QV = QUARTZ VEIN

LOCATION: ≈ 20+00 N, 1+00 W
DIP AT COLLAR: -45°

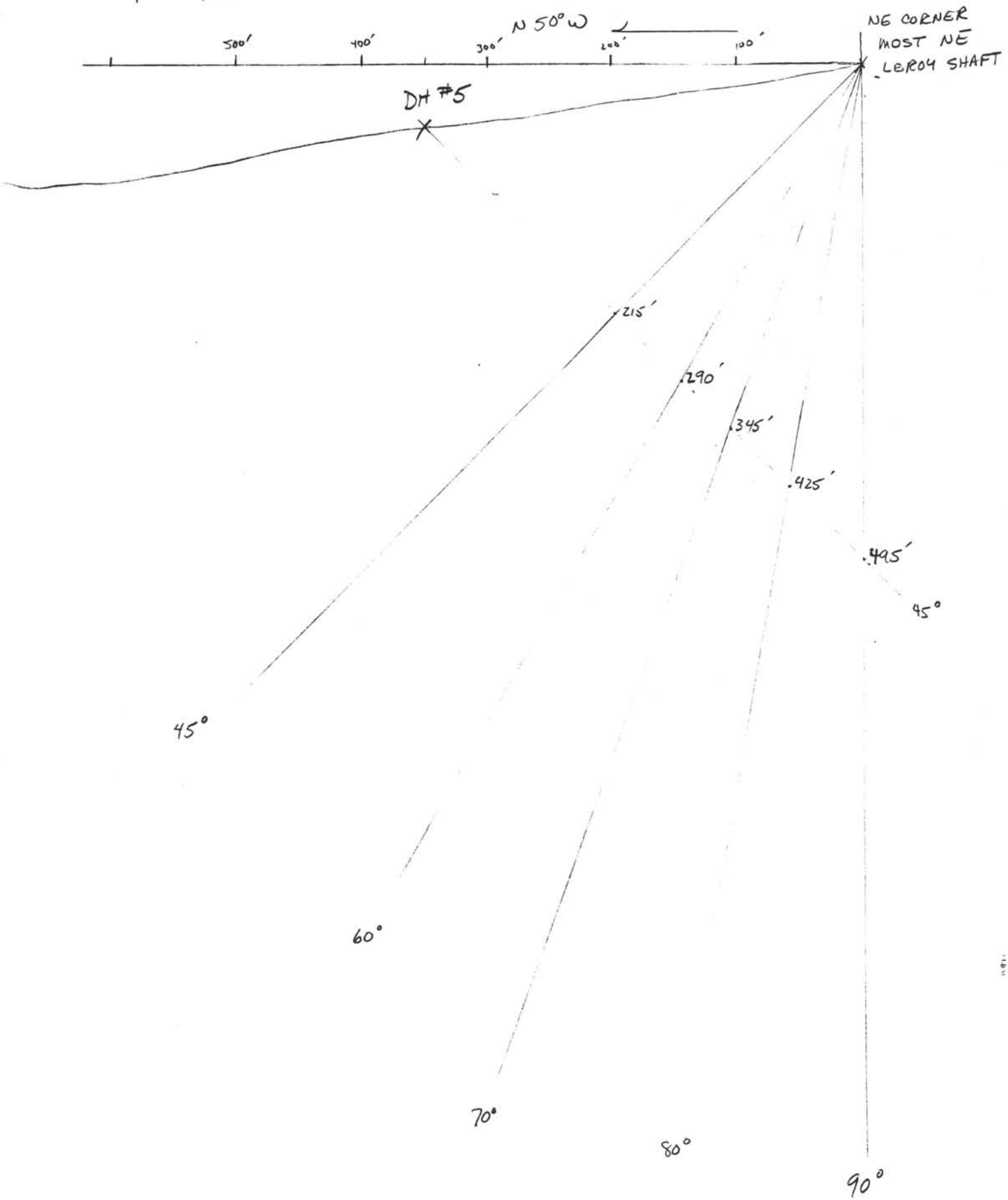
Dos Cabezas #5 graph for second vein

1" = 100'



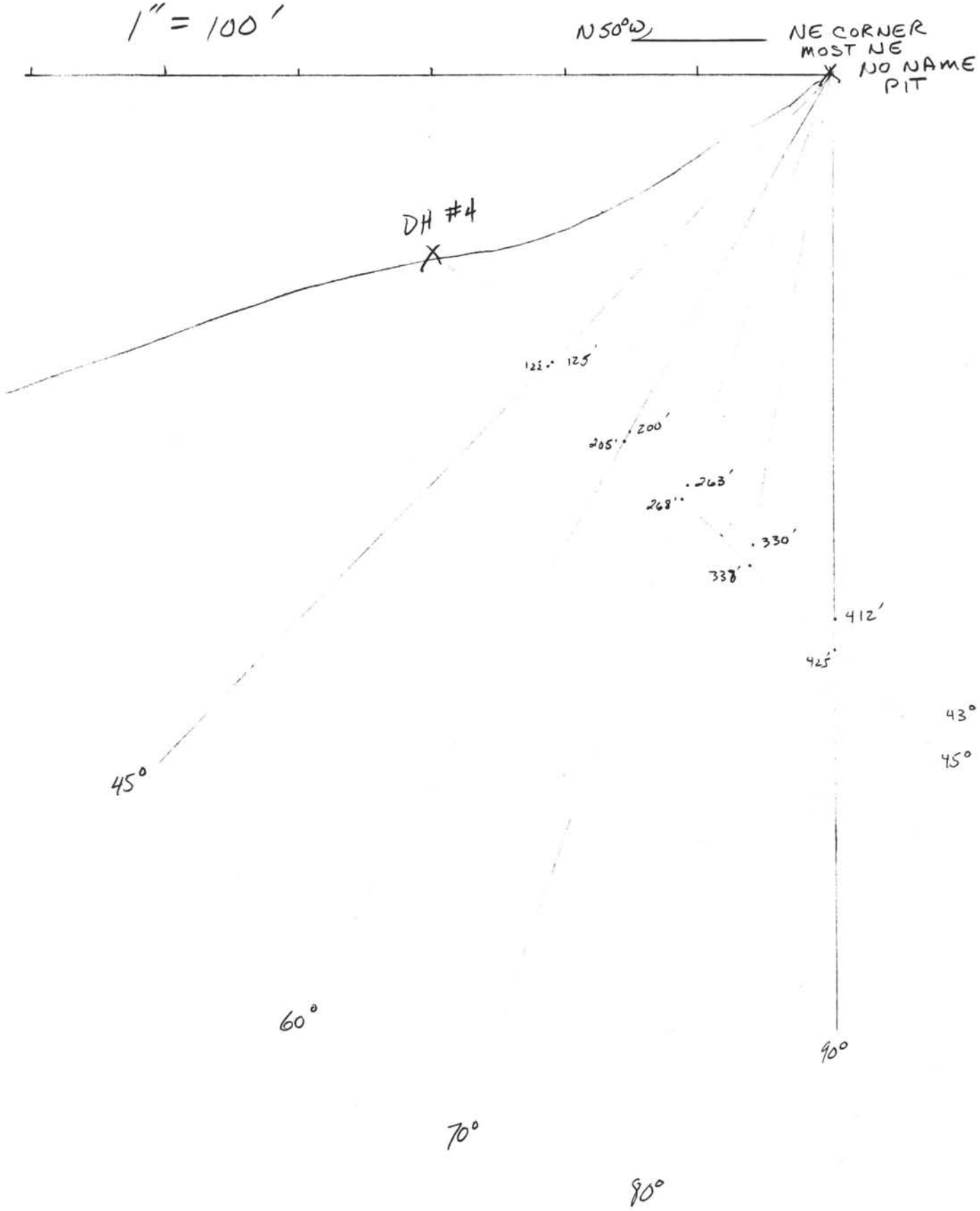
DOS CABEZAS #5 HEINRICHS-WALLABY FOR MERLAND

1" = 100'

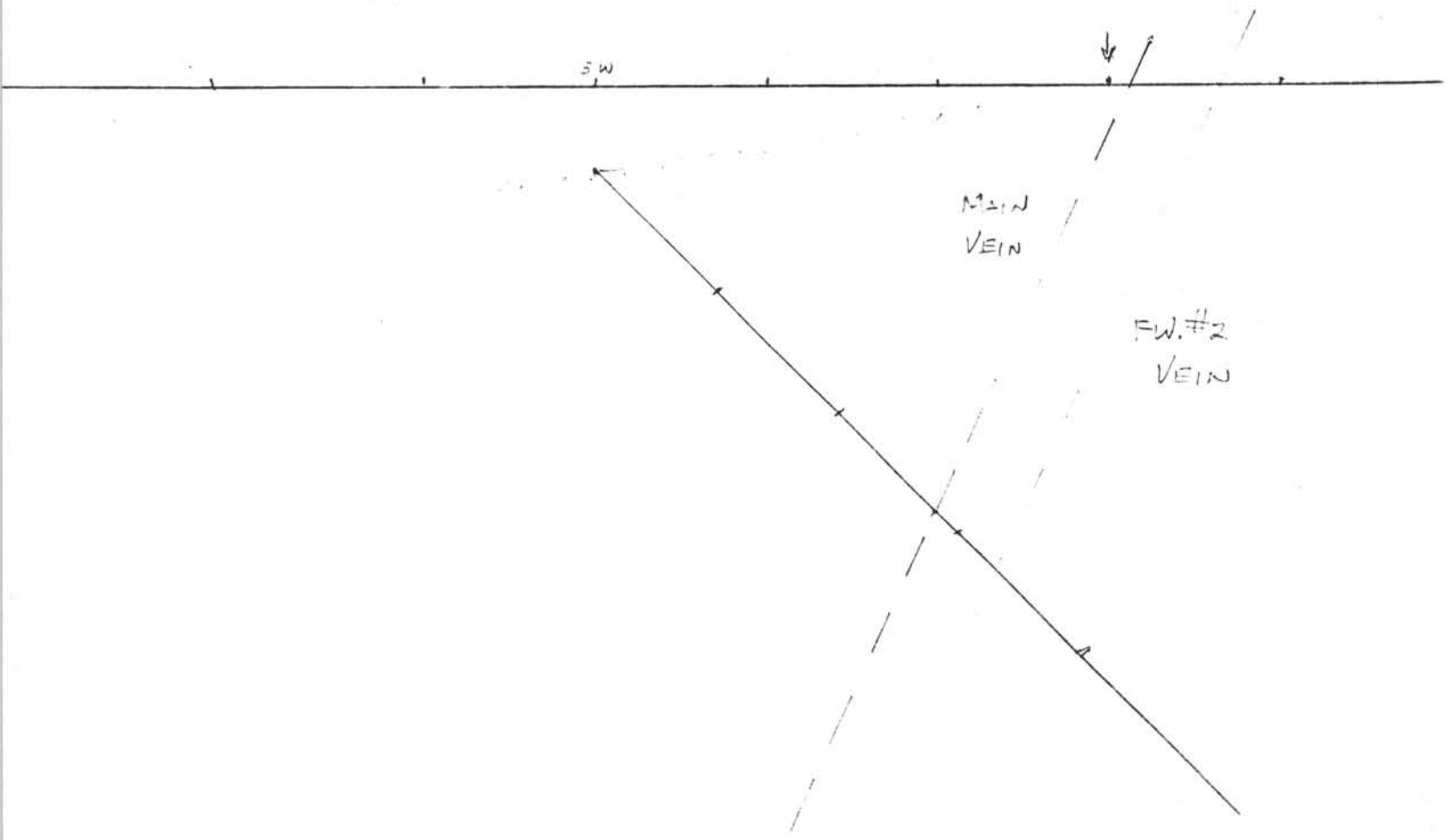


DOS CABEZAS #4 HEINRICHS-WALLABY FOR MERLAND

1" = 100'



Doc Cabezas ~ D.H. #3



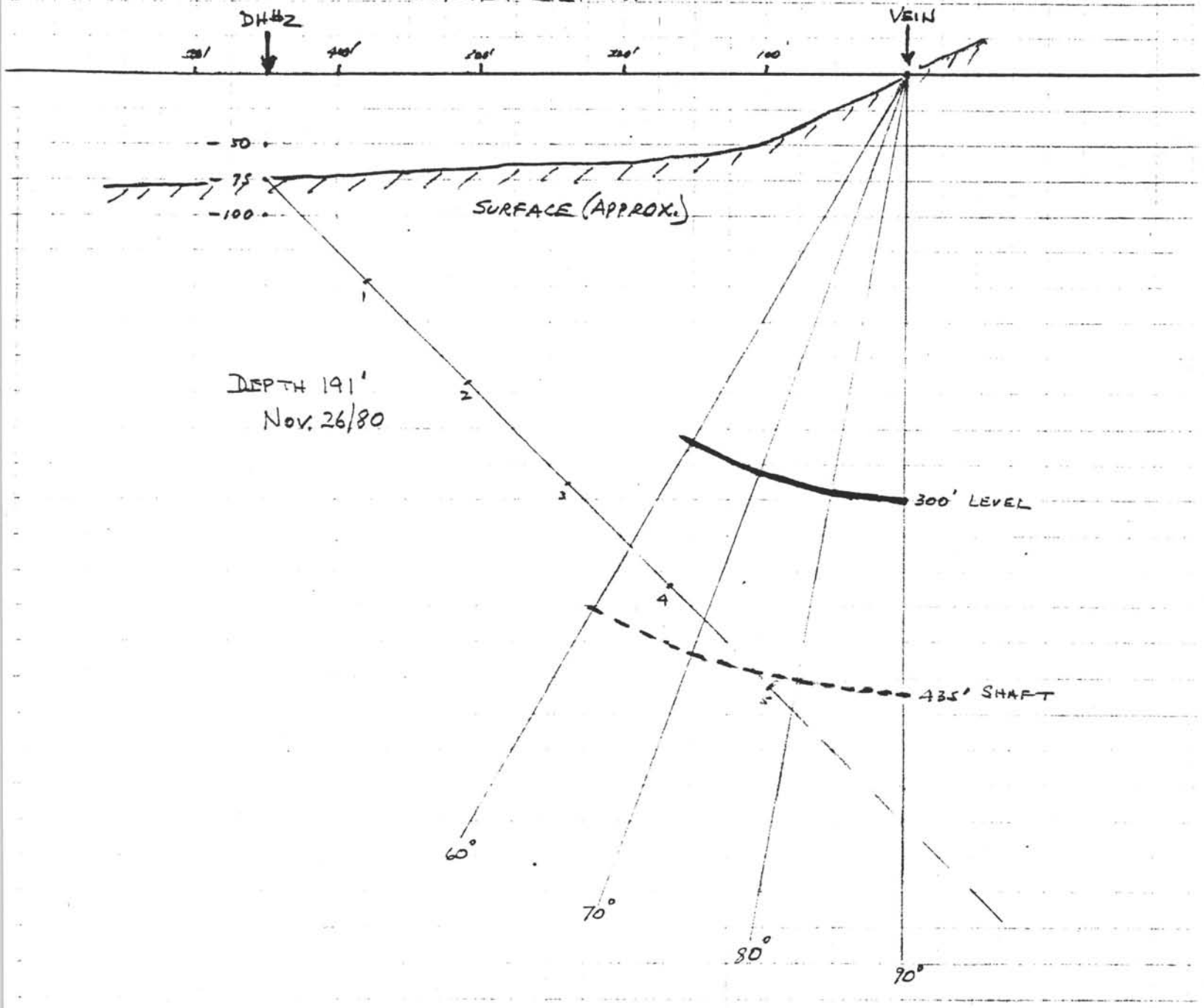
LOCATION: 300' NW & 100' NE OF SHAFT CHART
(= 8+07 N, 1+[illegible])

Does the [illegible] hinge or shift [illegible] through at any place?

DOS CABEZAS ~ D.H. #2

1" = 100'

TARGET DEPTH 400'



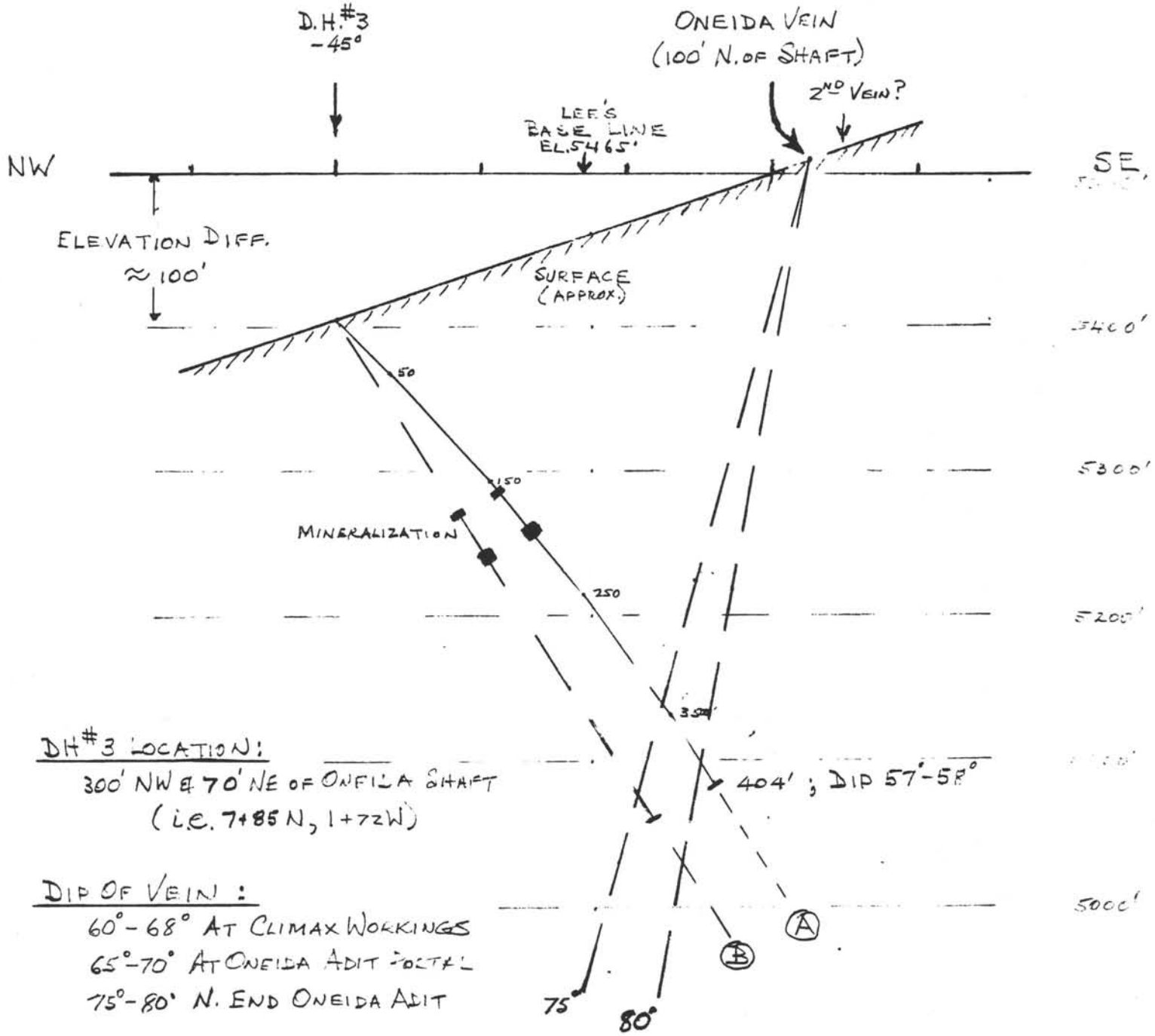
LOCATION: 450' NW & 200' NE OF CLIMAX SHAFT.

DIP OF MAIN VEIN: 65°-68° FROM DH#1

DOS CABEZAS ~ DH#3

1" = 100'

TARGET DEPTH 350'-400'



DH#3 LOCATION:

300' NW & 70' NE OF ONEIDA SHAFT
(i.e. 7+85 N, 1+72W)

DIP OF VEIN:

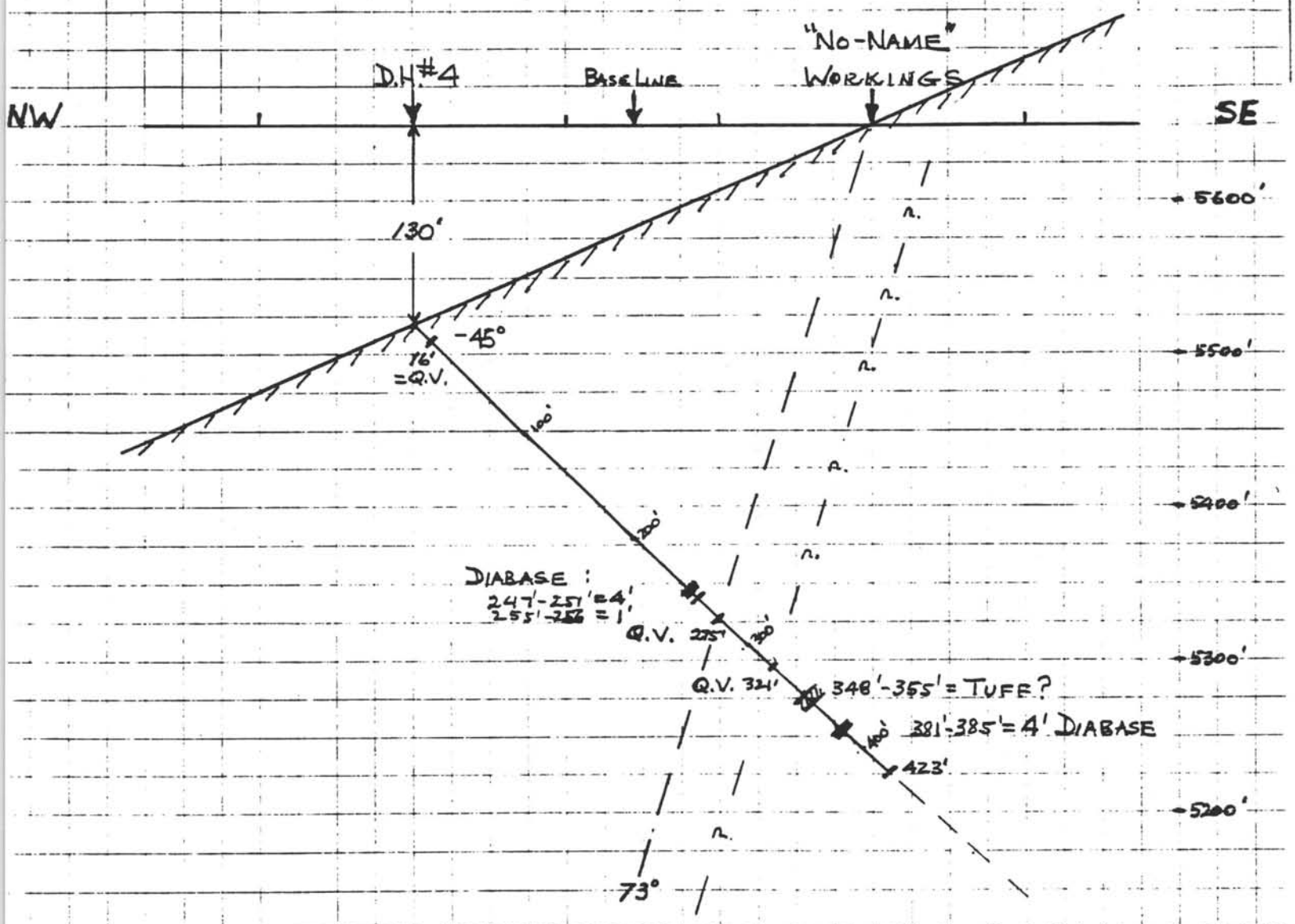
60°-68° AT CLIMAX WORKINGS
65°-70° AT ONEIDA ADIT FOCTAL
75°-80° N. END ONEIDA ADIT

INCLINATION OF DRILL HOLE:

45° AT SURFACE
57°-58° AT 390'
(A) WITH VARIATION DISTRIBUTED PROGRESSIVELY.
(B) WITH MAJOR VARIATION AT SHALLOW DEPTH.
NB: LATERAL VARIATION PROBABLY SIMILAR.

DOS CABEZAS ~ D.H. #4

1" = 100'



LOCATION :
300' NW OF "NO-NAME"
(13+25 N, 1+45 W)

DIP TEST :
-43° @ 313'

#S-1
Dec. '80

Dos Cabezas

Surface Sample #1 (S-1)

Corresponds to Anderson Sample #8, which assayed:
0.036 oz. Au & 5.15 oz Ag.

ASSAY

0.001 Au
0.04 Ag
0.002 Pt.

Min. Diabase Dike in bulldozer cut, "west" of road (e.g. below road) between No-Name & LEROY; composite chip sample taken every few feet for 50'

Only one rock type = TRAP or DIABASE DIKE.

Highly weathered; very difficult to obtain a fresh surface — breaks down into rhombic rubble.

However, some broken surfaces show f.-gr., dark green rock ("diabase"); heavy limonite stain on some fractures; also scattered spots of limonite in the rock + very f.-gr. disseminated, probably py.

Assay for:

Dos Cabezas ~ Claims

Heinrichs' Map

- can only find 1 claim past = NORTH END CENTER OF WAREAGLE at: 16+00 N, 2+50 E.

Present Latteral Protection

- ⊛ Does "Apex Law" apply here?
- have over 1000' of protection on west, or down-dip side for at least 3000' of strike length (Climax-Leroy section)
- have almost as much on the east side.
- have over 8000' of strike protected if the north end of the mainvein extends along the Last Hope & Keith claims, but the "Rico" veins are open to the northeast.
- probably not enough protection on south & southeast, depending on the trend of the Main Vein & whether or not the RICO or East Veins are still present.

Additional Claims

✓	1	on	east	side	of	Standard
✓	3	"	south	end.		
✓	1	"	west	side	of	Rosslaud.
✓	1	"	east	"	"	Charlie
✓	1	"	"	"	"	Rico
	2	"	"	"	"	Keith
	1	"	west	"	"	Keith.
	Σ=10					

32.5" × 300' = 9,750'

Final Group

≈ 10,000' of strike length.
≈ 2,500' wide.

⊛ Nov 11/80 Oliver A. Claim map + Smith package all to Heinrichs.

#S-2
Dec. 80

Dos Cabezas

Surface Sample #2 (S-2)

Corresponds to Anderson Sample #11, which assayed:
0.074 Au & 1.30 oz Ag.

12' random sample across mouth of adit 15' SE of Assay Office

---

Principal Rock Types

1. Quartz Vein - mineralized - weak to light min., primarily py - much less sul. than #S-3 & #S-4.

2. Granite (?) - seems to be very siliceous - weakly to lightly mineralized - and, of course, oxidized due to surface exposure.

(the two types in about equal amounts.)

N.B. No massive sulphides or rich gossan.

#S-1
Dec. 80

Dos Cabezas

Surface Sample #1 (S-1)

Corresponds to Underdrain Sample #8, which assayed:
0.036 oz. Au & 5.15 oz Ag.

ASSAY

0.001 Au
0.04 Ag
0.002 Pt.

Min. Diabase Dike in bulldozer cut, "west" of road (e.g. below road) between No-Name & LEROY; composite chip sample taken every few feet for 50'

Only one rock type = TRAP or DIABASE DIKE.

Highly weathered; very difficult to obtain a fresh surface — breaks down into rhombic rubble.

However, some broken surfaces show f.-gr., dark green rock ("diabase"); heavy limonite stain on some fractures; also scattered spots of limonite in the rock + very f.-gr. disseminated, probably py.

Assay for:

MAP OF PATENTED ("P") AND UNPATENTED MINING CLAIMS IN THE DOS CABEZAS ARIZ. MINING DISTRICT IN TOWNSHIP 14S RANGE 27E OWNED BY OLIVER V. & EDGAR S. ANDERSON

SCALE - 1 IN = 300 FT.

RECEIVED
B. L. M. AZ STATE OFFICE
JUL 7 1978
10:00 A.M.
PHOENIX, ARIZONA

DRAWN By O.V. Anderson

#S-2
Dec. '80

Dos Cabezas

Surface Sample #2 (S-2)

Corresponds to Anderson Sample #11, which assayed:
0.074 Au & 1.30 oz Ag.

12' random sample across mouth of adit 15' SE of Assay Office

---

Principal Rock Types

1. Quartz Vein - mineralized - weak to light min., primarily py - much less sul. than #S-3 & #S-4.

2. Granite (?) - seems to be very siliceous - weakly to lightly mineralized - and, of course, oxidized due to surface exposure.

(the two types in about equal amounts.).

N.B. No massive sulphides or rich gossan.

372' @ S 14°45' W
N.E. corner of Rossdal!
365' S 24° W