Thursday Feb 19, 1981

TO Dos Cabezas

Drillers in by 7:30

Talked to Anderson about workings in Climax

140' north petered but A says would pick up again

* core sample drill hole

300' north lead zinc stopped the because in '20's we penalized for it. diabase

300' S considerable stopin & dangerous

300' at S lead zinc in sh

250' high lead zinc

Rico shaft 80'
68°-70° dip

Drillers out by 3:00 with 90' in DH #8

Core to assay office and logged in heavy quartz, chlorite, serpentine in dark granite with diabase and sulfides, basically pyrite

TO Willcox

Friday February 20, 1981

Drillers in by 7:00

If all goes well it may be a long footage day.

Bit was changed yesterday and core seems easy to drill.

First core out by 8:30

Finished at 150'

Drillers out by 2:00

Core to Assay office & logged in

Nothing much to report

To Willcox

To Tucson

To office - xeroxed notes

Home

Directives Sat Feb 1, 1981

1) Check strike & dip of Windlass N26W(?)

2) Prospect N of Rico (priority) 4 at ≈ 36 N

3) Possible trench at adit

4) composites from workings backside

5) Possible dozer work

a) along north vein

b) outcrop above Leroy vein

c) locate 10 possible sights

d)

6) Sample pit & #4 above pit & Anderson - 5, 4, 1 & 2

Bring out S-3, S-4 for RAB to pick up Thursday
S-6

Monday February 9, 1981

To Willcox - rain all the way

Breakfast while Jeep serviced.

To Dos Cabezas where drillers in by 7:30 AM by their own reconnizance

Bill Evans related to me that last Friday (Feb 6) all they had done was to set up at DH #7 and they had just started this morning to drill and had only over burden at this point.

Weather horrid. Clouds on ground and raining. Very cold.

To Assay office to review this weeks directives. No outside work possible.

To Douglas to discuss with district Forester about

RECEIVED
FEB 13 1981
BOX 5964
TUCSON, AZ. 85703

reclaiming dozer work. He not responsible for area at DC but gave me copy of "Mining in National Forests" 1980 # CI-14

Return to Dos Cabezas Drillers gone and core left for me in truck.

Return core to assay office and log it in.

Paper work

To Willcox

Tuesday Feb 10, 1981

Drillers left for sight by 7:00.

To Safford BLM office to find out about reclamation etc. Man said he would be down sometime in the next 10 days to look things over and give a recommendation for our work outside the patented claim area.

To Dos Cabezas

Weather cleared but cold and windy.

Worked on locating possible dozer sights.

Worked on samples.

Drillers out by 2:30. Picked up core and returned to assay office to log it in Ht. [illegible] by end of day with no sign of veining

Wednesday Feb 11, 1981

To Dos Cabezas

Drillers on by 7:30

Cleaned assay office and prepared samples for Dr. Bell's arrival tomorrow

Drove to Gold Prince to survey our workings from another vantage.

Rechecked Dip - vertical surface to 55° 20' below & Strike - 26° of Windlass or Lost Hope

Prospected north of Rico

Took Four samples beyond Rico Discovery

S-9 = Surface quartz - possible vein outcrop at 339° bearing to Gold Prince and

of mineralization.

Worked on notes

Returned to Willcox to run errands for paper, pens etc.

Discussed possibilities of dozer sights with Bill Evans.

His recommendation was just to follow vein structure and have dozer cut across vein for look at structure in wall.

To Anderson with same question He seemed upset with the assays from hole #5 (showing nothing) and could not or would not help me on this as he thought the operation was inevitably to end because of this. If he would do anything it would be tonnage drill samples from Diabase trench

230° Bearing to Rico Disc

The sample is from a 20' radius. Dip & Strike undeterminate

S-10 = Sample from collapsed workings 325° bearing to Gold Prince with strike being variable 40° DIP — NW

S-11 = 250' composite along a vein with 3 pits and possible collapsed shaft strike 35° Dip variable from 90° — 55° 326° bearing to Gold Prince at center of 250'

Found CEC of Rico and Carol #4 on Bearing 23° 175' from northerly most dig of S-11

S-12 = 3 ft across vein structure in wall & dozer cut one foot below surface Bearing to GP 332° cut 60' long and in bearing 35°

Strike Bearing 15° and followable downhill to Rico Disc dip questionable but vertical at dozer cut

Took Three surface samples corresponding to Anderson samples

S-13 = 3' across vein structure and wall zone 4' below surface in pit Anderson #5

S-14 = across 3' radius circle around stake #4 Anderson samples trench dozer cut here

35 x 15' EW strike and dip indescernible

S-15 = sample of 3' radius around 3 stakes in one dozer cut, 40' x 60' and 5" deep. Stakes are Anderson samples 1, 1, 2.

no vein structure visible in wall but 3/4" quartz visible at uphill #1 and second 6' below
strike 10°
dip indescernible

Above - A #'s 1 & 2 a 2" quartz vein at a dip of with
strike 85°
dip 75° N

Returned to assay office to do paper work & to prepare the 7 samples for this morning.

Picked up core and logged it in.

Drillers out by 3:00.

Return to Rico area for sampling of workings on east slope of ridge

Returned to assay office to do paper work on samples.

To Wilcox via Dos Cabezas for another look at surface structure beyond Rico.

Paper work in preparation for call to Dr. Bell

Call to Dr Bell 885-2439
6:40 - 7:05

Mapping work in preparation for over lay with Bell's map to pinpoint vein structure north of Rico.

Thursday Feb 12, 1981

Drillers in by 7:00. Pull the bit first thing. 205' on this last bit.

Prepared core for Dr. Bell in assay office and sat on drill rig ready to pick up core and take to assay office when Bell arrives

Small quartz 168.5.

Dr. Bell in by 11:00

Went over core from drill holes 6, 7 and chose samples from 7

DC7-1 = 137.5'-139.5'

DC7-2 = 168'-170'

Dr. Bell out by 2:30

Directions:

1) continue surface sampling and vein identification for possible dozer sights

2) work on mapping

3) meet Bell Monday noon for lunch making Monday an office day

4) Be certain to cross bearing Rico discovery!!!

New Word: Boudinage = a rolled, knotted texture in rock

Prepared samples DC #'s 7-1 7-2

Drillers out by 3:15

Collected core from drill sight and returned to assay office to log it in.

Nothing to report in core.

Examined lead zinc sample from 1st core shed before returning to Willcox.

Return to Willcox.

Serviced jeep for lost valve cover breather and gasoline.

Worked on map and notes before dinner.

To dinner.

Packed in preparation for early start Friday.

Things needed from office:
1) sample bags - canvas
2) flagging
3) per diem
4) tags for canvas bags

Friday Feb 13, 1981

Loaded the jeep and proceeded to Dos Cabezas drill sight.

No one in until 7:00.

Prepared three more samples

S-16 = composite of backside adit dump (1000 tons)

S-17 = 3.5' across vein structure at entrance of adit in wall above mouth (Bearing of strike into adit from mouth is 130° and the dip is 36°-38°. Actual quartz widths vary from stringers to 2 inches max.

S-18 = composite of several diggings and dozer cuts ≈ 250' from adit uphill on bearing 130°

First 10' of core for day is stuck in stell and the drillers had to trip out to retrieve it. It was 9:30 before I got to see the first core.

Returned to drill hole sight # 9 to make certain that flagging was still there to indicate bearing of drill hole.

Rock breaking up badly in core and getting hard to drill.

Last core out by 11:30 at 248'

small quartz vein complex
238
sampled ½ core 235.5
238.5

prepared core sample
DC 7-3

spoke with Anderson about need to file about activity on unpatented claims.
He says there are no claims here on State land but the area north of the Rico may be on homestead as may be part of the Rico.
This means that the homestead has all minerals.

Tiny Hutiedo owns the homestead.

The name is Jack Howard Homestead

Drillers breaking down head on drill to rebuild it over the weekend.
They will not set up on # 9 until Monday.

Monday I will be in Tucson with Dr. Bell.

Made sure that drillers knew where to set and told them I would not be in until Monday night.

TO Willcox.

TO Tucson.

TO office.

Xeroxed notes

Turned in time sheet
Did paper work.
Picked up necessary supplies

Errands

Home

Monday March 2, 1981

To office to pick up field vehicle for Dos Cabezas project 0478A.

Drive to Willcox was rain soaked all the way. Into Willcox too late to go to field.

Drillers stated that they had set up and set casing for #9.

Tuesday March 3, 1981

Serviced vehicle for gas and oil and rotated spare tires to axles.

Picked up aerial photos from Sulphur Springs Valley Electrical Coop.

To Dos Cabezas.

Had seen drillers leave by 6:30 AM from Motel. Assumed they were in by 7:00.

Drilling going well although nothing spectacular in hole so far.

Clouds on ground with visibility limited to 100'. No surveying today. Air still but ground snow covered and muddy beneath.

Blown tire on way to Dos Cabezas - 1 spare left

Cover on outer chrome locke plate gone from main trunk filler cap. May be opened with pliers or screw driver. No immediate need.

Drillers lost circulation between 62 & 82 ft. Heavily fractured granite. They reinforced holes and added much Dick's Mud seal. "Good for filling clamp cracks," says Red.

Drillers out by 2:15 with 72' for the day. DH#9 at 82'

Core to assay office and logging

To Willcox

Wednesday March 4, 1981

Drillers in by 7:30

Visibility still. Impossible to survey.

Clouds lifted by noon but rain began. Rain let up by 1:00 and I walked north of Rico to triangulate

is S 73.5° W to US mm
is N 20° W to GP
S-12 is N 83° W to saddle
is N 7° E to X(?)
is S 62° W to LH shaft
S-11 nothing to shoot

S-10 is N 88 W to saddle

S-9 is N 80° W to saddle
is N 23° W to GP
is N 50° E to S-10
is S 76° W to US mm

Rico is S 78° W to US mm
N 15° W to GP

Drillers out by 3.15 with DH # 9 at 131'.

Core to assay office and logged in.

Apparent assayable quartz structure at 90-95

To Willcox

Call to D. Bell 885-2439

6:45 - 7:00

Feb 1
Feb 16 — received $5453.

Jan 16 — $10,697
Jan 31

Above figures in addition to recently payment for Brian's invoices

Thursday March 5, 1981

Drillers to the sight by 7:30.

Weather cold and windy but no precipitation. Fast moving overcast.

One Sample DC 9-1 made up from the quartz intersection at approx 95'.

To drill sight #9

Drilling going well and it looks as though we will finish to 300 feet today.

Two small quartz stringers deeper in the hole but nothing which appears to be worth sampling.

Drillers broke down in and 3:30 after finishing hole to 201 feet.

To Willcox

Call to Dr. Bell 885-2439
6:45 - 6:53

— — —

Friday March 6, 1981
To Tucson
To Office. Notes to Walter
To Cooper aerial to find out about photo.
Home.

Job #1438 (A)

Monday Feb 23, 1981

To office for conference with Walt.

To Willcox

To Dos Cabezas

Drillers out by 2:15

Ore body with mining width 188-193

Core to assay office & logged in 199'

Return to Willcox.

Call to Dr. Bell 885-2439
6:50 — 7:20

Elevation #8
Check out drill sight for Rico
find out about aerial photos
#2 to 500-525

Tuesday Feb

To Soil

to search

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Sulphur Vall

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Aerial Pho

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24, 1981

conservation office

aerial photos

sent me to
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ey Electric Coop.

hoto by Cooper
o in Tucson

s my attention
way to work
ould be to
to blow up their
1" to 400'
from the vellum
provide. This
ure best clarity
ability.

abezas

l rig for the
the day to

assure proper cut off point for #18

Bill Evans and I took a run up to The Rico to see if there was a spot where he could set up his rig without doing work. There was not because of need to set angle mast
Must call Bailey for Friday or Monday.

Nothing out standing in remainder of hole. Shut down at 250'.

Drillers out by 2:30

Core to assay office and logged in.

Mr. Anderson to inspect core. Brought a sample which he said ran $3000 a ton when gold was $20 an ounce.

He said his son in law would be out tomorrow to show me where he got it. Somewhere up the Omega surface vein.

Asked about where to drill at Rico. He said stay North of discovery shaft. 50' would be good

To Willcox

Call to Bailey
Could not reach him

Wednesday Feb 25, 1981

Again called Bailey & left message, might call again tonight

To Dos Cabezas

Drill Rig broken down and running by 9:00

Dr. Bell in by 10:30

Directions

* 1) take samples from DC-8 and take to PAH Friday early

* 2) locate #9 and get days work done

3) straighten out bearings of Rico

* 4) elevation of #8

5) aerial photos

DC-8 samples

#1	181.5-183.5	Au Ag
#2	183.5-185	All 5
#3	185-187	Au Ag
#4	187-189	Au Ag
#5	189-190.4	all 5
#6	190.4-193	all 5
#7	193-196	Au Ag

Dr. Bell out by 1:30

Worked on notes and cleaned up assay office - repacked core

Prepared sample bags and paper work for samples from DH #08

To Drill Sight #2
to pick up core only
10' today with set-up
taking hole to 423

Returned core to assay
office to log it in.

Drillers out by 3:00

Return to Dr Willcox
to call Bailey

Finally reached Bailey
by 7:30 PM. He said
he would have dozer out
by 7:30 Friday AM
for drill sight #9

Thursday Feb 26, 1981

To Dos Cabezas

Made up samples from
drill hole #8

Surveyed in elevation
for drill sight #8

200' S 40°W from DH#1 level

400' horizontal S 50°W of base point

DH#1 88' below climax
DH#8 108' above DH#1
DH#8 20' above Climax

Drillers out by 3:00
taking for the day
#2 to 483 -

Core to Assay Office & Logged

To Willcox

Friday Feb 27, 1981

Met dozer operator at 7:30 at Dos Cabezos.

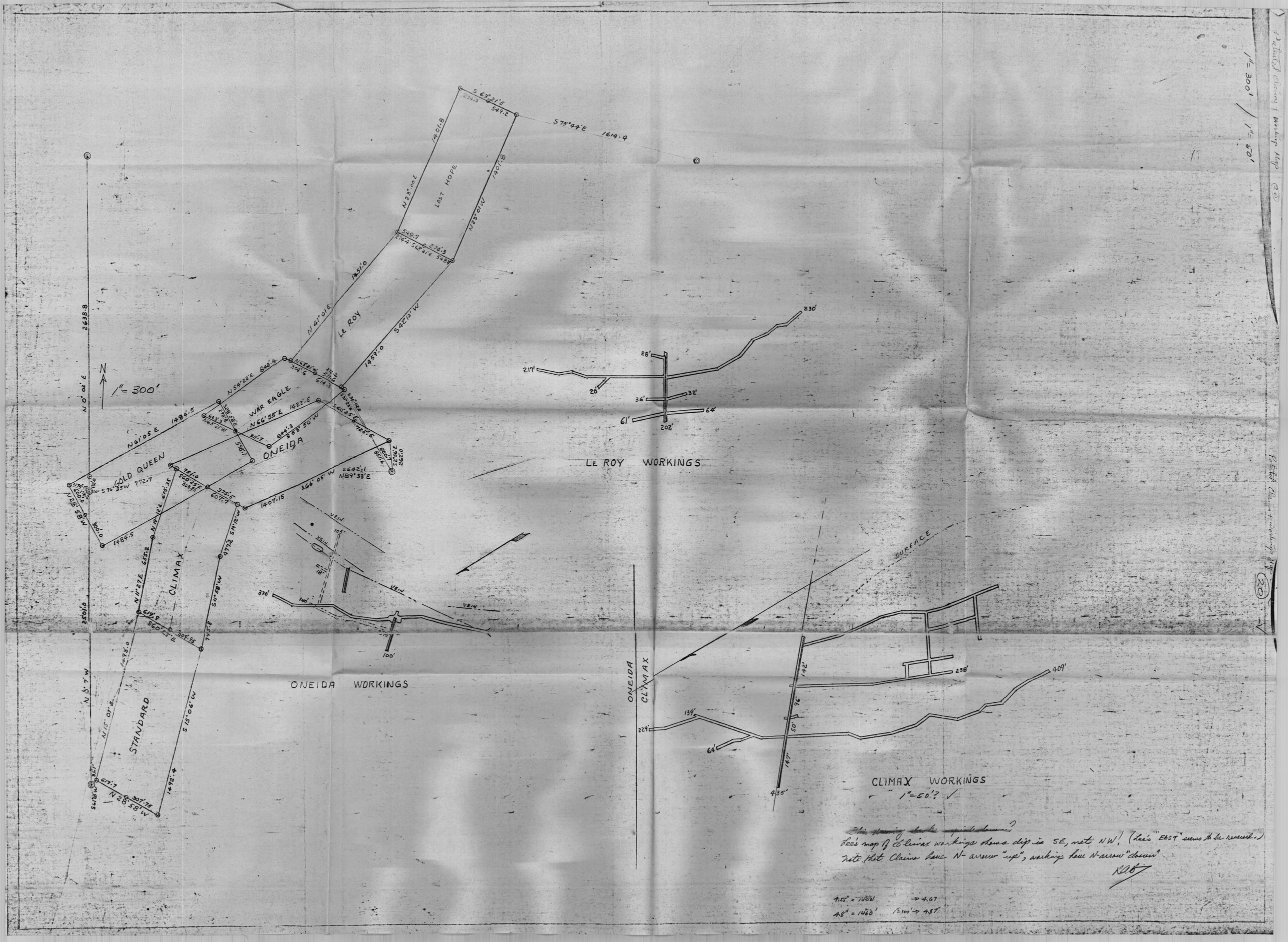
Drillers in by 7:30.

Supervised sight leveling at Rico. ~~Put~~ dozer operator off to the 2.5 hours work for day and indicated as Bailey Bill that 2 hours for previous time was just

New Bill would be
382.50 4.5 hrs time
175.00 delivery charge
557.5 total

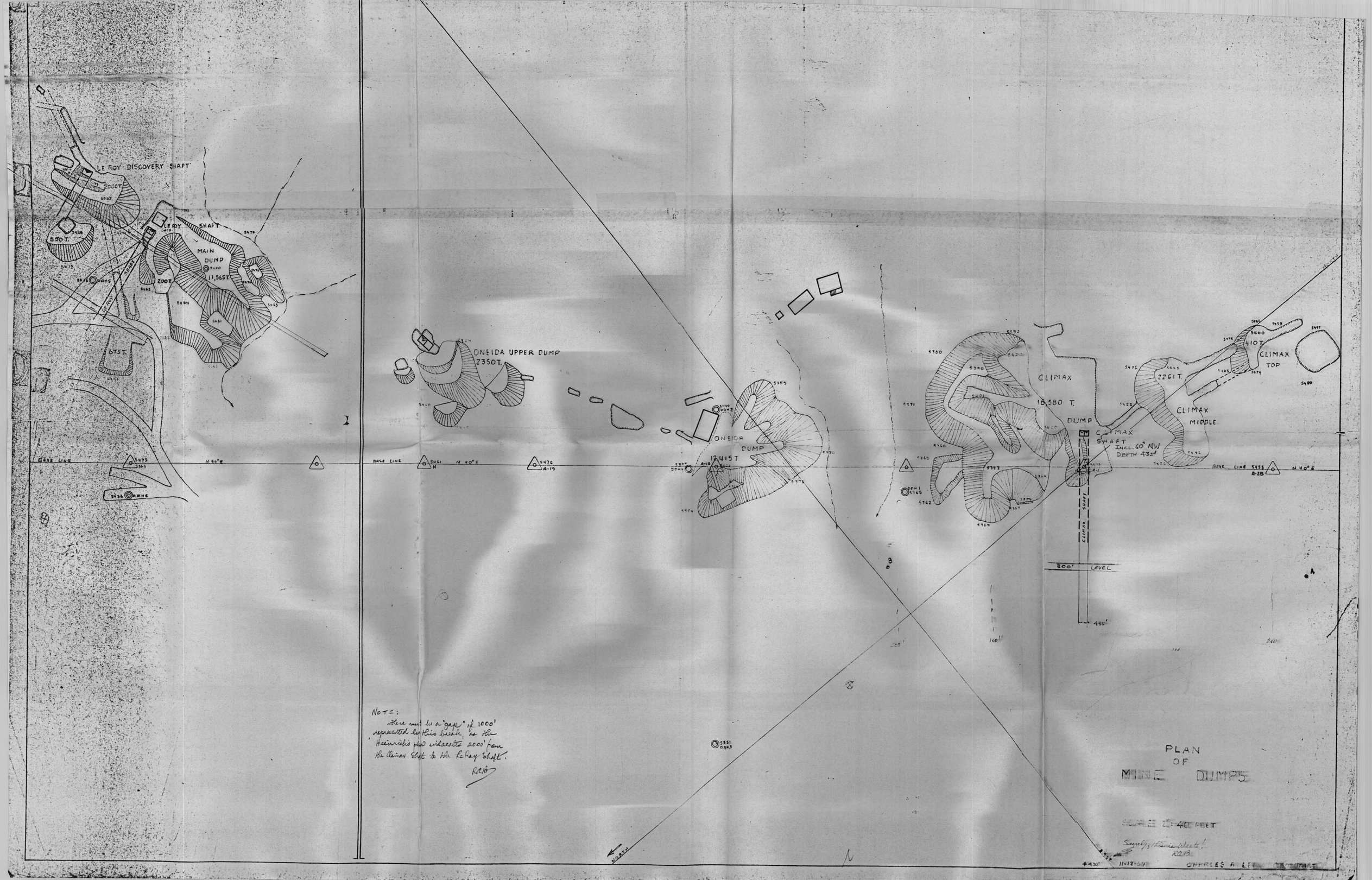
Returned to drilling sight and checked core before leaving for Tucson to deliver samples to Pincock, Allen Holt and pots to Dr Bell's house.

To Dr. Bell's.
To Pincock, Allen, Holt
To office
Errands
Home.
Call to Dr. Bell.



~~This drawing looks upside down?~~
Lee's map of Climax workings shows dip is SE, not NW! (Lee's "EAST" seems to be reversed.)
Note that Claims have N-arrow "up", workings have N-arrow "down"
RAB

4.55" = 1400' → 4.67
4.8" = 1460' 1" = 300' → 4.87"


LE ROY DISCOVERY SHAFT
2000T.
LE ROY SHAFT
MAIN DUMP
11,565T.
200T.
550T.
675T.
ONEIDA UPPER DUMP
2350T.
ONEIDA DUMP
12,415T.
CLIMAX
16,580 T.
DUMP
CLIMAX SHAFT
INCL. 60° NW
DEPTH 435'
CLIMAX MIDDLE
2261T.
CLIMAX TOP
410T.
BASE LINE
N 40° E
800' LEVEL
435'
NORTH
NOTE:
There must be a "gap" of 1000' represented by this break, as the Heinrich's plan indicates 2000' from the Climax Shaft to the LeRoy Shaft.
RAB
PLAN
OF
MINE DUMPS
SCALE 1" = 40 FEET
Surely, this is West!
RAB
11-12-69
CHARLES A. LEE

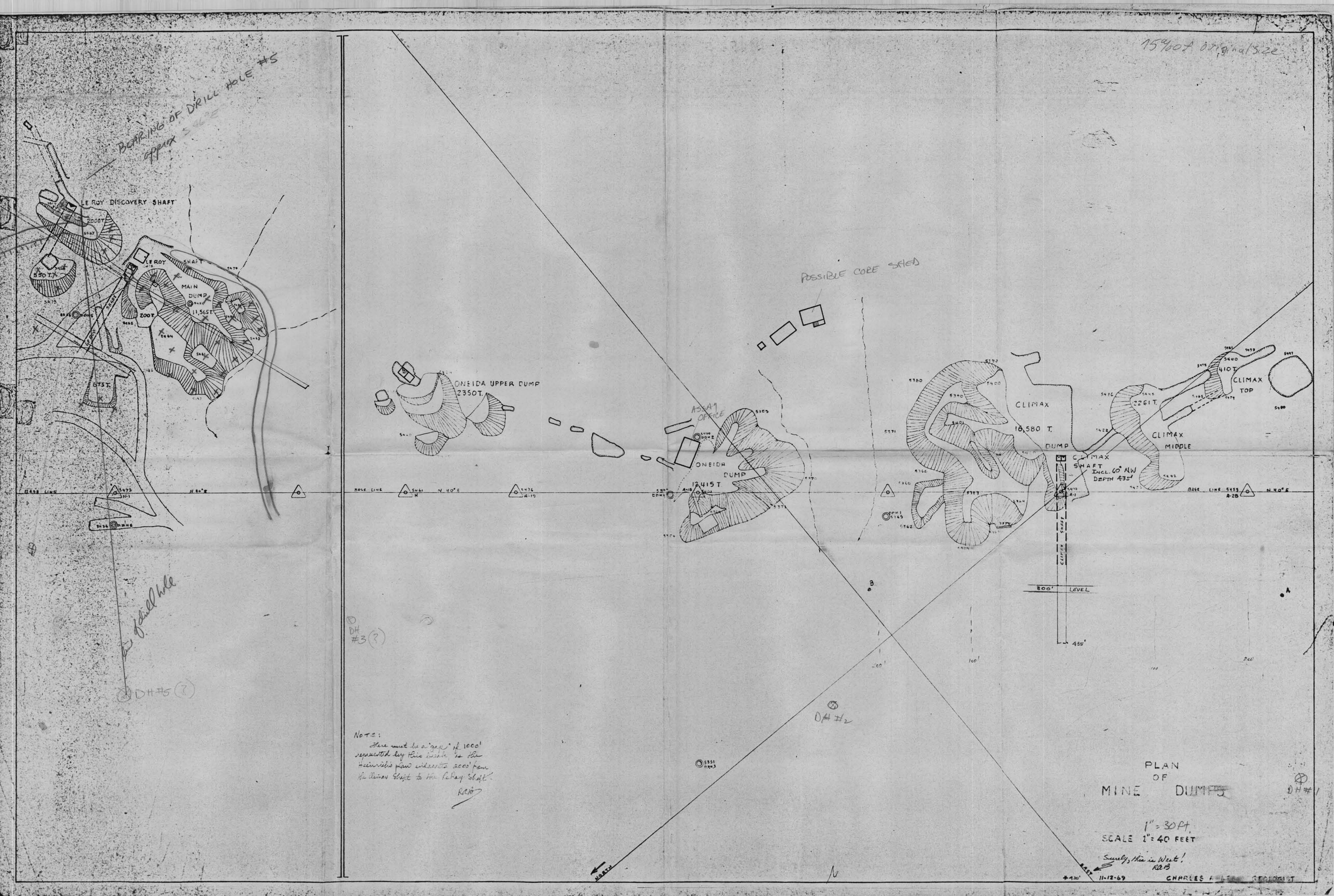
Anderson's son & law came up to check water level in Climax to assure proper working of pump. All seemed OK

Have helped driller (Red) pull core and will continue to do so until Bill arrives. Time now 11:15

Bill Evans showed at 12:30
We were pulling core at 182.
Hope to get this run and one more today.

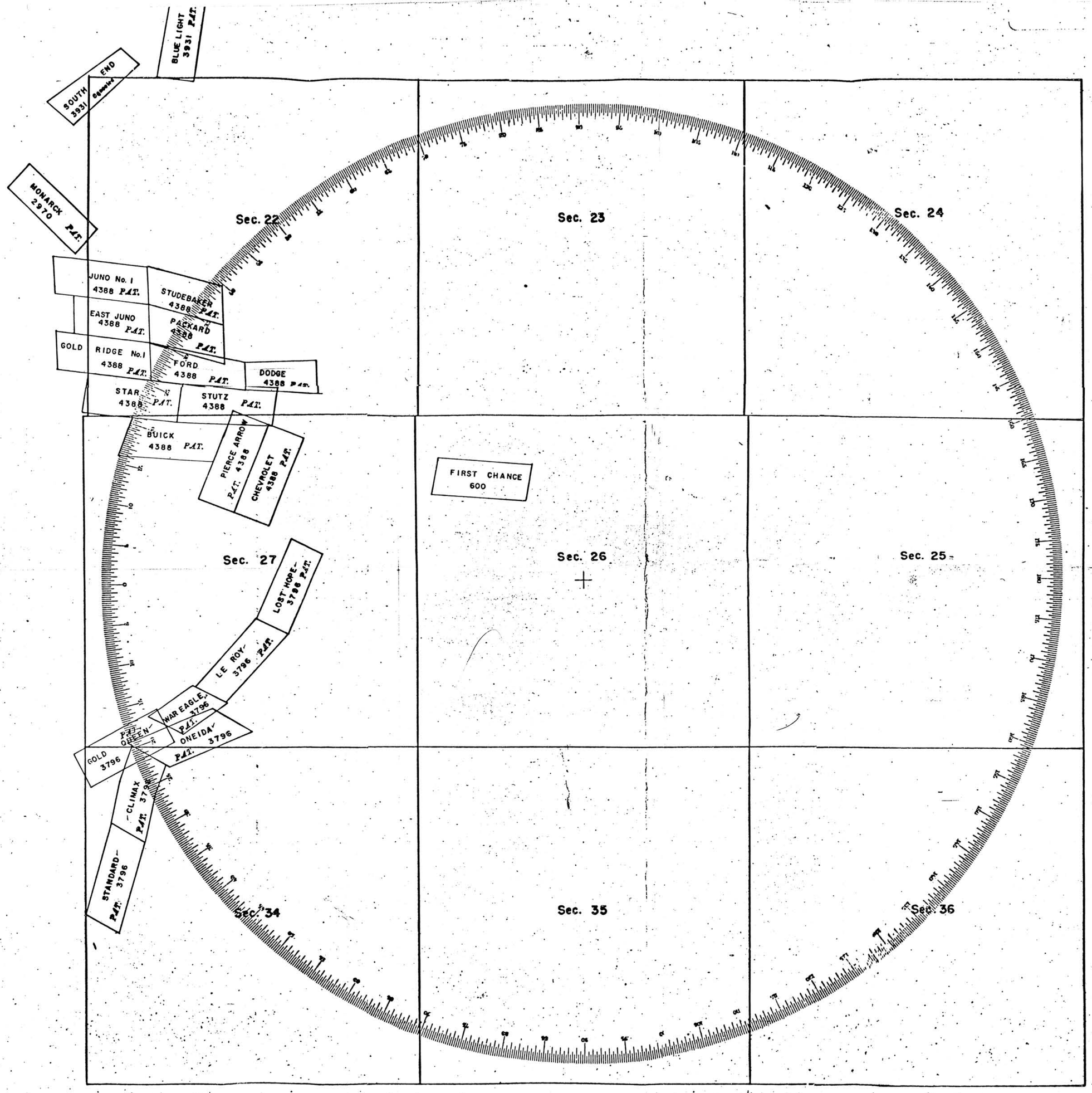
Drilled to 194'
Drillers out by 2:00.
Cores to shed
TB Willcox to try to reach Bailey

15% of original size



827

SE 1/4, T.14 S., R. 27 E.
DOS CABEZAS DIST.
TEVIS DIST.



Das Cabezas

Surface Sample #3 (S-3)

⊛ #S-3 Dec. 80 ✓

Approx. 12+00 N, 6+00 E

This corresponds to Anderson Sample #12, which assayed: 1.168 oz Au & 1.45 oz Ag.

⊛ → 12' random sample across top of ~~upper~~ highest Oneida Vein dump.

0.158 Au
0.32 Ag
0.05 Cu
0.07 Pb

Principal Rock Types

1. Quartz Vein: comprises 2/3 - 3/4 of sample; milky qtz - weakly to moderately mineralized where not heavily oxidized; mainly py, but appears to be some Pb-Zn as well.

2. Granite?: appears to be highly altered, weakly mineralized, then oxidized & leached.

3. Gossan (& Iron Hat): this may be the highly oxidized heavier sulphide or "Wall Zone".

N.B. No samples of fresh, heavy or massive sulphides.

⊛ → This location doesn't seem to fit the description for Anderson #12 (he says "900' E. on Oneida Vein" and shows the location). Probably P.Z. doesn't mean the dump at the Oneida Adit! The location he showed me on the topo map is just below the peak of Hill "5903", which would agree with Anderson's location.

Correct!

Oneida Vein
12N, 6E

Dos Cabezas

Surface Sample # 4 (S-4)

This corresponds to Anderson sample #13 which assayed: 0.026 oz Au & 0.10 oz Ag.

12' random sample across the base of the uppermost Oneida Vein Dump.

0.002 Au
0.18 Ag

Principal Rock Types

1. Granite porphyry? - highly weathered - appears to have been weakly mineralized but all oxidized & leached - note a few py cubes.
2. Leached granite? - highly altered, well mineralized, oxidized & leached - abundant limonite.
   - looks just like leached porphyry copper capping.
3. Quartz Vein - weak to moderately mineralized, but sulphides almost all oxidized now.
4. Diabase (or Trap) Dike. - no abundant min.
5. Tuff ??? thin-bedded rock as at 390'-400' in DC-3 — resembles a Prec. tuff - could this be a band or xenolith of Pinal Schist?

N.B. No samples of heavy sulphides or "well zone"!

Where is this on our grid? See #S-3. (Dec. '80)

⊗ ✓ #S-5

Plotted on 1" = 100

Surface Samples: #S-5

"No-Name" Workings

Composite sample from the principal dumps (+ also from ocps.?). See sketch.

Principal Rock Types

1. Q.V. – most abundant type, but not by much.
– contained several % sul., now largely oxidized, but still quite a lot of galena.
– no sign of Cu (no chalco. or malachite).

Sample #S-5 ⊗ Assay part! (Au, Ag, Cu, Pb, Zn)
0.083 Au, 0.13 Ag, 0.02 Cu, 0.36 Pb, 0.05 Zn

2. G.P. – typical c.gr. granite porph. – varies from fresh to highly weathered – to oxidized.
– little or no sul. evident in the fresher pieces.

3. Diabase – at least as abundant as the granite.
– small amt. very f.gr. sul., probably py.

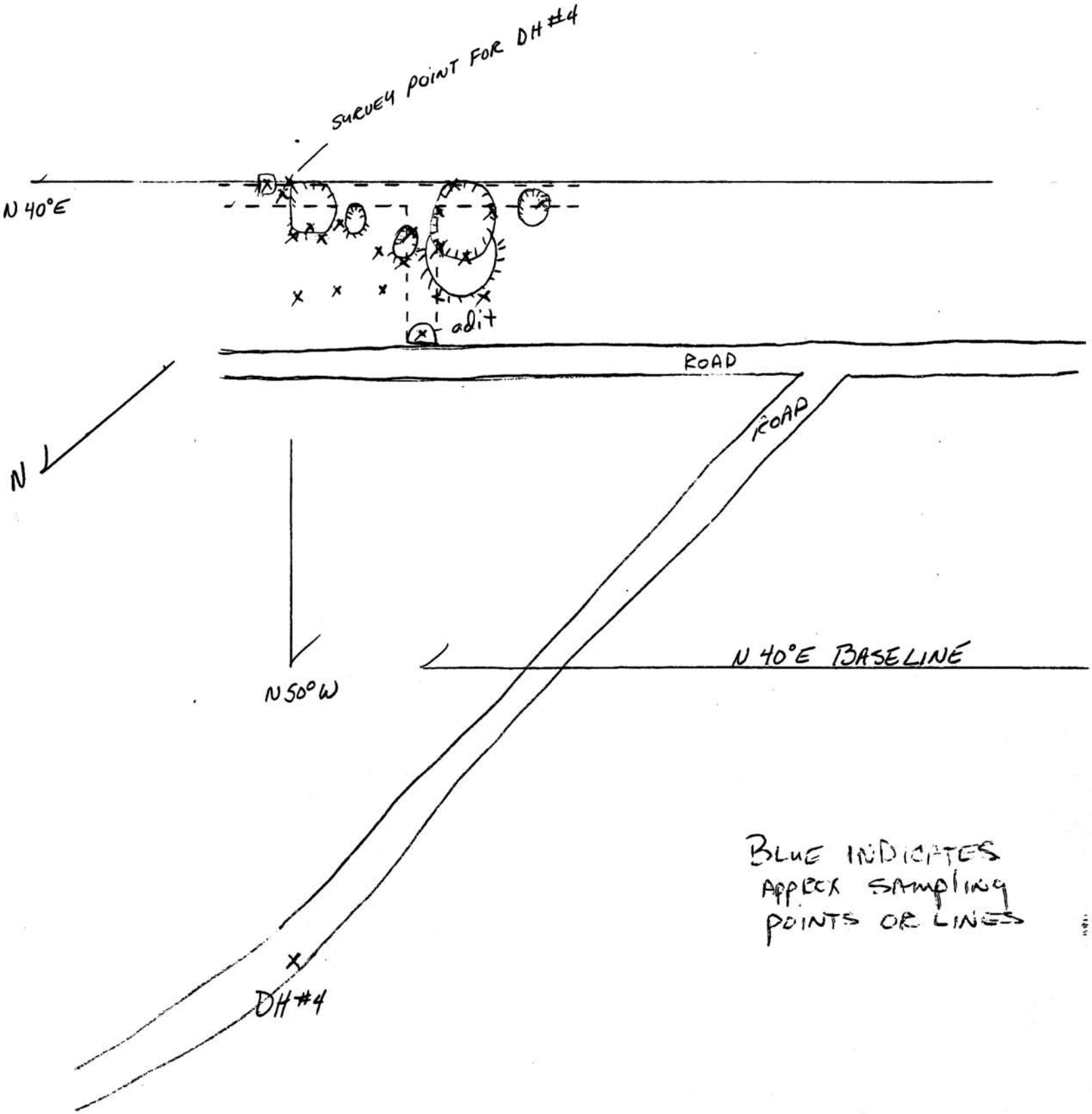
4. Basalt? 1 large piece looks like vesicular basic volc.! – definitely not DB. – vesicles up to 1/4", some leached out.

5. Gossan 2 small pieces (2") rich gossan – may have been heavily min. Q.V.

6. Tuff 2 pieces definitely look like the tuff.

DOS CABEZAS DH #4 HEINRICHS-WALLABY FOR MERLAND

1" = 50' NO NAME WORKINGS



BLUE INDICATES APPROX SAMPLING POINTS OR LINES

⊛ #S-6 ✓

Surface Samples

#S-6 : Leroy Dump

Quartz Vein

varies from almost barren quartz to well-mineralized with Pb/Zn, cp v py.

0.220 Au Note the sample with quartz in sharp
0.90 Ag contact with "diabase".
0.14 Cu ⊛ One piece highly oxidized with good AZURITE
0.72 Pb
0.70 Zn

Granite

typical c. gr. gr. porphyry; only very minor py. in the ferromags.

Diabase

typical f-gr., dark gray; barren to slightly mineralized.

TUFF ?

several good samples of the very thin-banded, irregular rock that looks like a tuff.

NO ASSAYS.

Dos Cabezas Surface Samples
#S-7

Composite along strike of Leroy (Main) Vein, from Discovery Shaft to 500' north = Anderson Samples #3, #6 & #7 (.078 Au, 1.10 Ag; .074 Au, 2.15 Ag; .004 Au, 2.20 Ag) = $50.50 ave. @ $500 Au & $15 Ag

Principal Rock Types

1. Granite Porphyry ~ typical c. gr., dark grey to green, to black ~ little or no mineralization. about as abundant as the Q.V. material.

A few thin qtz stringers (max. 1/2") with minor fine sulphides; some G.P. very siliceous with heavy limonite, both stain & partings.

⊛ Sample S-7A ~ assay for Au & Ag.
0.008 Au ; 0.14 Ag

2. Quartz Vein ~ typical milky qtz - very little sul. - all pyr.

⊛ Sample S-7B ~ Au & Ag only. (about 1/2 the pieces)
0.04 Au ; 0.22 Ag.

3. Red Granite ~ about 1/3 as much as G.P. - definite pink color on fresh surface & pink to red when weathered - a few phenocrysts but lacks the characteristic texture of the G.P. - a few pieces contain little qtz. & are more of a syenite. Barren.

⊛→ Haven't seen this rock anywhere before! P.Z. says its in place along the vein.

4. Tuff(?) - only a few small pieces - no sul.

5. Diabase - only a few doubtful pieces, unlike other vein samples.

× #S-8 ✓

Dos Cabezas ~ Surface Samples
#S-8; "Windmill" Prospect

Sample collected from dump beside washed-in test pit ≈ 1000° @ 115° from the windmill
0.002 AU in Bean Canyon (≈ 28S, 14W). This location is
0.10 AG very close to being on strike with the Main Vein but ~~pat~~ Pat thinks the strike is N-S and dip NE (???).

⊛ Still on the property! This location is near the Douglas - Oliver claim line, about 1/2-way along.

Rock Types

1. Q.V. - pieces >1" thick of massive, barren qtz; also composite qtz-chlorite, banded or brecciated with only a little very f.gr. py. in the "Wall Zone" material - scattered carbonates. ⊛ Pat says massive QTZ. up to 8" on dump.
⊛ 2. Calcite Vein - looks much like the Q.V. only coarse xllin calcite, milky white, c/ thin bands & fragments of "W.Z." - only very f.gr. py.
3. G.P. f/m's black but feldspars largely altered to clay or epidote - few % py - 1 piece has 3 carbonate stringers that weather med. brown.
4. Diatrase and/or "Wall Zone" - ~~some~~ mostly med.-grey, f.gr., DB; some f.gr. dark green "W.Z."? Appears to be barren.

⊛ 5. QUARTZITE? impure or arkosic - only minor f/m's but is still definitely banded. Inclusion.

Sample #S-8 AU & AG only. } 1 piece barren qtz; 1 pce. qtz-gangue; 1 pce. calcite & gangue; 1 pce. min. GP c/ carb. stringers.

Das Cabezas ~ Surface Samples
Rico Vein
#S-9, #S-10 & #S-11

× S-9 ✓
× S-10 ✓
× S-11 ✓

#S-9
Au & Ag.
0.003 Au
0.08 Ag

East branch of Rico Vein @ ≈ L40N, 12E (Brg. 330° to Gold Prince (at location shown?) & 230° to Rico Adit. Grab sample over 20' radius.

Mainly Q.V. w/ massive qtz. 2"-3" thick — virtually no sul. & samples not oxidized much.

2 pieces G-P with qtz veinlets of ¼" & ½" — 1 pce included in assay — little or no sul.

#S-10
Au & Ag.
0.025 Au
0.21 Ag

Composite from collapsed workings 325° to Gold Prince (probably wrong brg.!). ≈ 43 N, 11+50 E.

1 large piece massive Q.V. ≈ 2½" thick — partly rose-coloured — scattered py + odd x_l of cp, sp, & gn. Couldn't break, so assayed the whole piece. No G-P in assay.

1 large piece of highly siliceous, stained G-P in "TOFF".

#S-11

Composite over length of 250' — strike 35° — centre 325° to Gold Pr.

#S-11-A
0.007 Au
0.09 Ag

Mainly Q.V. — biggest 3"! — at least 2 veins? some pieces very coarse x-ls., others f.-gr. — only minor py but def. more than #9 & #10 — also trace sp. (& gn?) — 1 pce. good breccia.

S-11-B
Au & Ag.
0.002 Au
0.05 Ag

Same G.P., mostly with qtz. veinlets & stringers — 1 pce. "Well Gone"? Trace of py but heavy limonite both disseminated & on fractures hence too oxidized for sul. to persist.

Dos Cabezas Surface Samples
S-12

S-12 (RICO) ✓

Rico Vein - West Branch?

Approx. 36N, 7+50 E ? Brg. 332° to Gold Prince.
(re-check this brg. - mine incorrectly shown).

Composite sample across 3' in bulldozer cut. Sample really not much use since it is too highly weathered & oxidized.

"Granite"

≈ 2/3 of sample is weath., ox., G.P. - limonite on fractures & throughout the rock. - odd speck of py. all that's left.

"Q.V."

≈ 1/3 massive qtz. up to 2" thick - only minor py. detected, but the qtz. is also oxidized.

S-12
Au + Ag.

Sample also 1/3 Q.V. + 2/3 G.P.

0.018 Au
0.13 Ag

Rico Adit

a) to building beside Gold Prince adit = 345°
b) to USMM#1 = 258°.
c) sodale OK.

Dos Cabezas Surface Samples
#S-13, #S-14 & #S-15
North Vein

× 13 ✓
⊛ 14 ✓
× 15 ✓

#S-13 = Anderson #5 ; 3' across "vein" & well zone, 4' below surface of pit. (0.328 Au; 4.90 Ag)

Au & Ag

0.035 Au
0.15 Ag

Mainly highly weathered G.P. — with several qtz veinlets up to 3/4" or 1" — no massive Q.V.
A little more py than #14 but no B.M.

#S-14 Mostly G.P. & virtually no sul.
No massive Q.V.

Au & Ag

⊛

0.095 Au
0.16 Ag

Few pieces of G.P. w/ 1/4"-1/2" qtz. veinlets but little or no sul.
= Anderson #4. (3' radius composite.) 0.082 Au; 0.05 Ag.
(0.134 Au; 1.00 Ag & 0.102 Au; 0.10 Ag)

#S-15 = Anderson #1 & #2. — 3' composite.
Mostly G.P. — weathered, but not nearly as much as #S-13. Little or no sul. & very little limonite suggesting not much sul. in fresh rock.

Au & Ag

Several pieces massive qtz. up to 1" thick — little or no sul. but mod. limonite — still in oxidized zone.

0.007 Au
0.12 Ag

Samples are composite, but mainly the qtz. & hence not truly representative.

Dos Cabezas Surface Samples

X S-16 ✓
EAST ADIT

S-16.

East Adit (no official name). ≈ 6E, 24N.
Don't know which vein this is — could be NE extension of Oneida Vein or SW extension of the Windlass (Lost Hope) Vein ???
Composite of back side of adit dump (which is back side?)

Principal Rock Types

#S-16 Au+Ag only

1. Granite Porphyry: 2 distinct types, 1 extremely fresh the other oxidized & weathered. Fresh has traces of cubic py; 1 piece with 1/2" calcite veinlet (NOT included in assay). Oxidized pieces suggest there was abundant py. in the original (3 pces. in sample).

0.019 Au
0.08 Ag

2. Quartz (≈ 1/3 of sample): 2 types - 1 very coarse c/ pyramidal xls 1/2" or larger other f.gr. & massive. Individual pieces up to 2" thick. Only minor sulphides, mainly py. but a few grains also of galena (or sp?).

3. Pink Granite or Syenite - 1 piece; c-gr. & porphyritic like the G&P but feldspars definite light pink; fms appear to be hornblende not biotite; but only scattered grains of quartz — <5%!!

4. Diabase - 1 piece of med.-gr. diabase very similar to coarser, central part of basic intrusive in Hole #5. Also 1 pce of dark grey basic rock - very soft - couldn't identify.

Dee Cabezas Surface Samples
S-17

⊗ # S-17 ✓
× # S-18 ✓
EAST ADIT.

East Adit (no official name). ≈ 6E, 24N
3.5' composite across vein structure (See #S-16).

Poor sample — too highly weathered & in much use.

#S-17
Au+Ag.
⊗
0.113 Au
0.02 Ag

① GP ~ bulk of sample; >75%; very highly weathered & oxidized; little or no py & very little limonite.
② Qtz. ~ only a few pieces — little or no sul.

East Vein (Omega? Lost Hope? # S-18
Composite of diggings & pits 250' uphill from adit, on bearing of 220°.

#S-18
Au+Ag

① Q.V. — massive pieces up to 3" thick; ≈ 2/3 of sample; some pieces w/ small amt. green gangue w/ minor py, ankerite? & few grains sp.; 1 large pce. good qty - gangue breccia (in sample); some specks & paper thin streaks of a gold-colored mineral
0.003 Au
0.02 Ag
② GP ~ more altered than weathered? feldsp. chalky white clay + 1 pce almost a gossan (1/2 in sample). Little or no sul?

③ DB + "Gangue" ~ 1 large pce w/ trace of py + 1 small pce w/ py + possible Pb/Zn in sample.

④ "TUFF" — 1 large pce — hard & siliceous but no sul. 1/2 in sample.

R

RICO #1 ADIT

S-19 ✓

(R-1, -2, -3 + -4)

Surface Samples

Rico #1 Adit

Check several samples of different character in order to locate Au/Ag values, if present.

#R-1 #1. f. gr., dark green to black, soft "gangue" or Wall Zone. — several small pieces broken off larger sample that contained some massive qtz. Au, Ag, Cu, Pb, Zn ?

Au, Ag, Cu, Pb + Zn

#R-2 Q.V. from #R-1. 3" piece for assay has 1/2" of W.Z. on 1 side — good py. in the W.Z. but no definite Cu-Pb-Zn. All metals?

do

#R-3 "Breccia" Ore: Q.V. + dark green to black angular fragments (several inches); not much sul. apparent until you start breaking the large pieces — just enough oxidation on the decomp to conceal the sul. Mainly py in the chlorite but some possible cp. All metals?

do

#R-4 Massive Q.V. (up to 3"-4") c/ only minor py + scattered grains of Pb/Zn. All metals?

do.

General Sample (in cloth bag).

Q.V. breccia.

G.P. c/ black f/m + green feld.

Gossan.

Dos Cabezos ~ Surface Samples × #S-20 ✓

#S-20 ; Windlass (or Lost Hope) Shaft

Very doubtful if this is the Main Vein. – more likely to be a subsidiary about 1½ North Vein.
Strike 26° ; Dip. NW? Shaft ≈ 60' ?

0.018 Au
0.12 Ag

Composite vein – extremely siliceous – dump contains typical Granite Porphyry in part very siliceous + qtz stringers and massive Q.V.
Very little pyrite either in the GP or Q.V. and no detectable Cu, Pb or Zn.

Assayed a few pieces for Au & Ag only.

RAB copy

6702, East Appomattox St.,
Tucson, AZ.85710.

Feb.23rd, 1981

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

Dear Sirs,

Re : Mr.M.Taylor, Dos Cabezas Project

Please assay the accompanying 8 samples for gold and silver only :

			Au	Ag
	1.	# S-9 ✓	0.003	.08
	2.	# S-10 ✓	0.025	.21
RICO VEIN	3.	# S-11A ✓	0.007	.09
	4.	# S-11B ✓	0.002	.05
	5.	# S-12 ✓	0.018	.13
	6.	# S-13 ✓	0.035	.15
NORTH VEIN	⊗ → 7.	# S-14 ✓	0.095	.16
	8.	# S-15. ✓	0.007	.12

Yours truly,

Robert A.Bell

RAB/jmb

Rio Calegas Prospect
Surface Samples

#S-21

1st showing NE from Rio Adit = "1-X" on topo map. Channel sample 18" wide across the vein below "1-X".

≈ 20% Q.V. – essentially barren of sulphides & only minor limonite.
≈ 30%-40% – altered(?) & highly weathered G.P.

≈ 40%-50% – lt. grey, f. grained, soft rock; highly weathered diabase? or volcs.?

		ppm
Au :	0.013 oz.	0.46
Ag :	0.123 oz.	4.2

(only)

S-22
(1-X)

Dos Cabezas Surface Samples

#S-22

Location: first prospect NE of Rico Adit = "1X".
approx co-ordinates:
Sample: composite of dump; ≈ 2/3 Q.V + 1/3 G.P., DB.

Quartz Vein

practically no sul, not even py, in the massive qtz. even though it looks fresh, not oxidized.

3 or 4 pieces with soft, black gangue, in part brecciated; only 1 piece of oxidized sul.

1 large piece of soft black breccia, but with calcite not quartz; 1 carbonate veinlet about 3/4" thick.

Granite, etc.

several small pieces of typical G.P., partly mechanical or oxidized. Little or no sul.

1 pce. of light grey, fine grained soft dike rock. — no sul. About 1½" thick.

Sample: qtz. & carb. pieces only.
assay for Cu & Ag only.

Au = 0.009 oz
Ag = 0.01 "

S-23 (1-X)

Dos Cabezas Surface Samples

#S-23 (= "1X")

Location: first prospect NE of Rico Adit; approx. co-ordinates =

Sample 24" across vein on exposed face of workings. About 2/3-3/4 qtz. and 1/4-1/3 "granite", diabase etc. Assayed sample same proportions.

Sample is really too weathered & oxidized to be of much use.

Virtually no sulphides* found in either the quartz or granite; abundant limonite & minor hematite stain. No Cu stain.

* Some very fine fresh sulphide in the "fines" - py and/or cp.

Assay for Au & Ag only.

Au = 0.004 oz

Ag = 0.01 oz

(*) S-24

Dos Cabezas ~ Surface Samples

S-24

Location: second showing NE from the Rico adit at ≈ on our grid = "2X"

Pat Z. reports an old shaft probably 50' deep exposing massive Qtz Vein 5' thick. Can be traced several hundred feet uphill & appears to maintain this width. Covered by O/B down hill.

Composite sample from dump.

Mainly Q.V., heavily mineralized with spectacular pyrite crystals, many 1/4" & a few up to 1/2". Also minor gn/sp. but no definite cp. (60%)

Also 5 or 6 pieces of rich gossan with orange, brown and red iron oxides, suggesting a variety of original sulphides. (20%)

About same amount of typical G.P. & trace py. (20%)

Sample in about the same proportions.
Assay all 5 metals? Or omit Cu?

(*)

Au = 0.330 oz	Cu = 0.01 %
Ag = 0.02 oz	Pb = 0.13 %
	Zn = 0.19 %

Dos Cabezas
Surface Samples

#S-25

Composite of workings on ~~the~~ "Lindsley" Vein, at crest of hill, south of Climax Shaft.

50% Quartz Vein material - very coarse gr. - minor galena & sphal - only trace py - no cp.

25% c. gr. Granite porphyry - barren

25% f. gr. dark grey Rhyolite - barren.

Assayed full sample.

		ppm			ppm
AU:	0.0009	oz 0.03	PB:	0.004 %	40.0
AG:	0.0028	oz 0.2	ZN:	0.0125 %	125.0

Las Cabezas
Surface Samples

#S-26

Composite dump sample from southern extension of vein system; location is
N 26° W to U.S.M.M. #1 and
N 60° E to Windmill. (See map).

40% Q.V. — barren
60% G.P. — barren.

Assay entire sample Au+Ag only.

			ppm
Au	: 0.0009	oz	0.03
Ag	: <0.0058	oz	<0.2

Dos Cabezas
Surface Samples

Sample
S-27

Composite from dumps ~~to~~ NE of Rico
Adit between showings "2-X" and "3-X".

60% Q.V. - only minor sul. in 1 piece.

40% G.P. - barren.

Assayed entire sample.

			ppm
Au : 0.035	oz	only	1.20
AG : 0.018	oz		0.60

Dos Cabezas ~ Surface Samples

✓ S-28 ("3X")

S-28

Location: ≈ ' NE of Rico Abit = showing "3X" on topo map; at co-ordinates.

Composite from dump; roughly 1/2 QV + 1/2 GP.

AU	0.02 oz	Cu	= 0.38 %
AG	0.36 oz	Pb	= 0.27 %
		Zn	= 0.03 %

Quartz Vein

massive, med. to c. gr.; no evidence of chlorite gangue, "wall zone" or breccia.

Only minor py. but disseminated cp. throughout, largely oxidized (hermite, malachite, etc.).

Granite Porph.

1 2"-piece altered to white chalky rock with abundant malachite + azurite. All included in sample as it wouldn't break up.

Rest is typical G.P. w/ black hornblende, white to grey euhedral feldspar + glassy qtz.

Minor dissem. sul. throughout, but largely oxidized to limonite; 1 x 1/2" qtz. stringer.

3 or 4 pieces in sample.

Assay all 5 metals?

Sample
UG-1

Dos Cabezas Project

Underground sample from Oneida Adit. 370' in from portal; 18" across "back".

Rich sulphide ore + highly altered granite porphyry. Very little true quartz vein material.

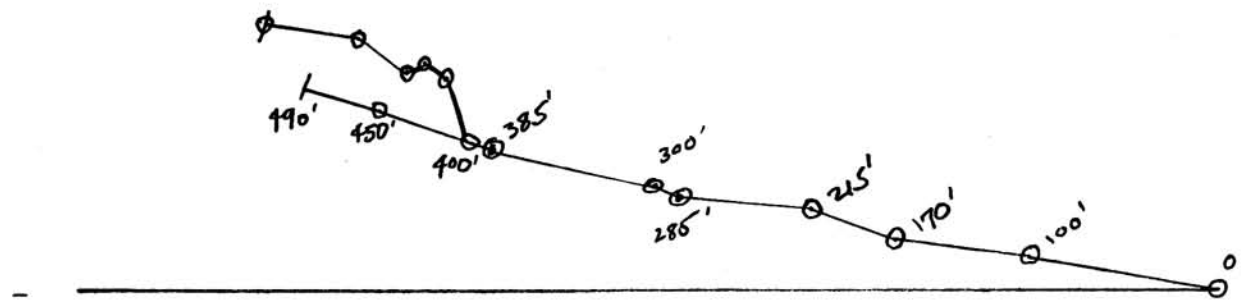
Assay entire sample — all 5 metals.

			Aug 1980	(Gross) (26 Aug)
Au	= 0.105	oz	$42.09	$409.75/oz
Ag	= 4.376	"	38.66	8.84/oz
Cu	= 0.48	%	8.45	.88/lb.
Pb	= 6.7	%	61.67	0.46/lb.
Zn	= 25	%	230.00	0.46/lb.
			$381.86	

	Dip	from — to	max height	ave height	max width	ave width
stope #1	65°	30' - 85'	25'	15'	7'	4'
stope #2 (winze)	50°	100' - 130'	depth 15'	depth 12'	4'	2'
shaft		137 - 147				
stope #3 (winze)	70°	147 - 177	25'	25'	8'	4'
stope #4	80°	182 - 195	max height 12'	ave height 10'	6'	5'
sand #5	65°	335 - 370 backwall	?	?	?	?
sand #6	65°	385 - 400 backwall	?	?	?	?
#7 shaft	70°	410 - 425 (?)	? perhaps to surface	?	6-8'	less ?
#8 shaft	50°	435 - 465' ?	25' (?)	20'	6'	3'
#9	0-90° ave 50°	475' - 490' (?)	15' (?)	12'	6	5'
east fork #10 shaft	45°	441 - 462 (?)	15' ?	12'	5'	3'
#11	40°	492 - 580	6'	6'	4'	4'

sample # UG-1 18" across vein in back wall of Oneida Adit a 370'

Oneida Adit
1" = 100'



topo map ~ suggests ≈ 80' from adit to surface at the shaft

Azm. Brg. of main adit : 47°-48°

TABLE 2

February 25, 1981

Sample No.	Analysis Au (oz./T)	Analysis Ag (oz./T)
S-9	0.003	0.08
S-10	0.025	0.21
S-11A	0.007	0.09
S-11B	0.002	0.05
S-12	0.018	0.13
S-13	0.035	0.15
S-14	0.095	0.16
S-15	0.007	0.12

"Anderson" Samples - Oneida Sector

#11 15' SE of assay office; Oneida vein (?).
Au 0.074 oz Ag 1.30 oz.
($40-) ($20-)

#12 900' E on Oneida vein (?). Edgar shows the location as fairly close to the Leroy; where is this relative to No Name workings? Edgar also shows the Oneida vein well & the east of Leroy Vein (extension of Eliminx?).
Au 1.168 oz ⊛ 1.45 oz Ag
($700-) ($22-)

#13 General dump sample from same location as #12. (What dump?)
Au 0.026 oz Ag 0.10 oz
(≈$15-) ($1.50)

The dump referred to in Samples 12-13 above is approx 700' S 35° E of NO NAME = ONEIDA VEIN?, just SW of peak of hill (5903')
N.B. Dump is from trenches or pits, not from any U/G workings.
Vein obvious all the way up the hill; 3'-4' average? Disappears near top of hill.
Dip starts ≈ 60°-65°, steeps to 70°-75°.

Ask about different angle hole. – 45° is flattest

Ask about dozer cut Carol 1 or Charlie