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0068

Volume 5 ; Book 3

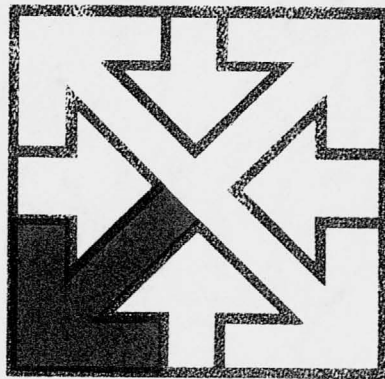
TOMBSTONE

Mining District

Cochise County

ARIZONA

Misc. Drilling 1959 to 1968



**Southwestern
Exploration
Associates**

**Mineral Exploration &
Natural Resource
Consultants**

Tucson, Arizona

V5 B1
V5 B5
Box 11

FRANKOVIICH
1959

FRANKOVITCH DRILLING SUMMARY
(No Assays Shown)

<u>Diamond Drill Hole No.</u>	<u>Location</u>
1	Silver Reef Property
2	Silver Reef Property - Governor Henderson Claim
3	Silver Reef Property
4	Silver Reef Property
5	Silver Reef Property
6	Silver Reef Property
7	Silver Reef Property
8	Silver Reef Property
9	Silver Reef Property
10	Silver Reef Property
11	Silver Reef Property - #2 Claim
12	Poor X Claim
13	?
14	?
15	Roll 614-?
16	?
17	Ingersol Anticline
18	Vigina - Tribute Drift

Silver Reef Property - Tombstone

DDH # 1

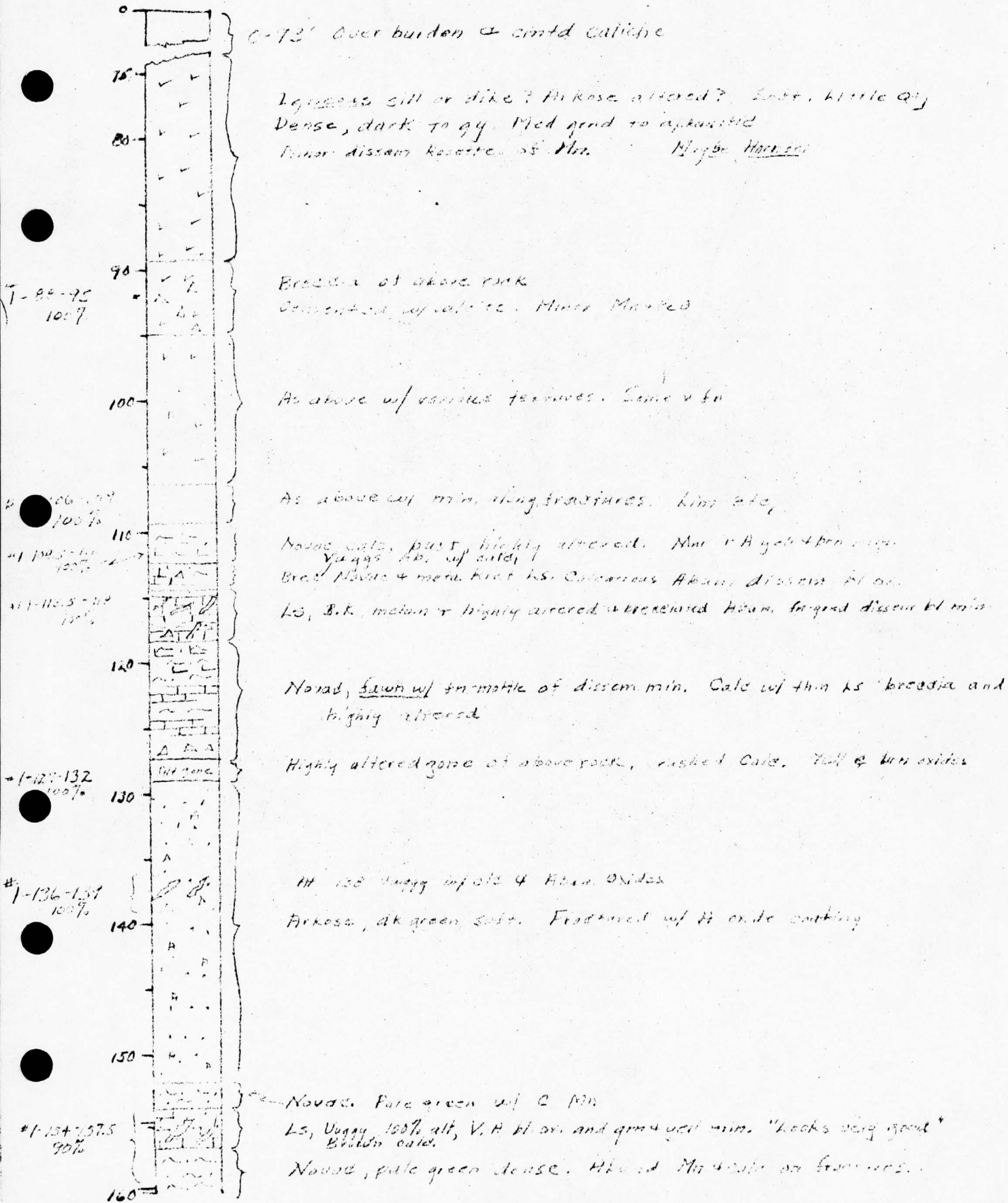
29

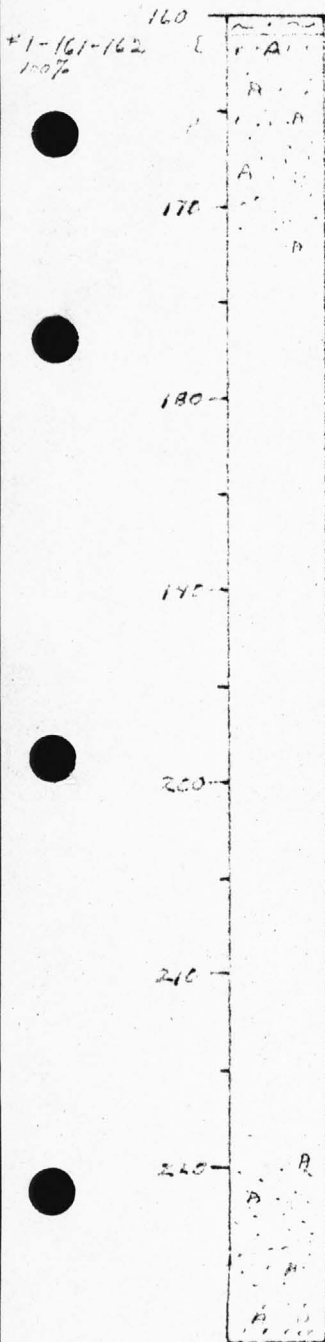
Location:

Elevation Color

Date:

Purpose: To define structure & litho section.





Arkose, all at green - Igneous? All white?
Highly fractured.

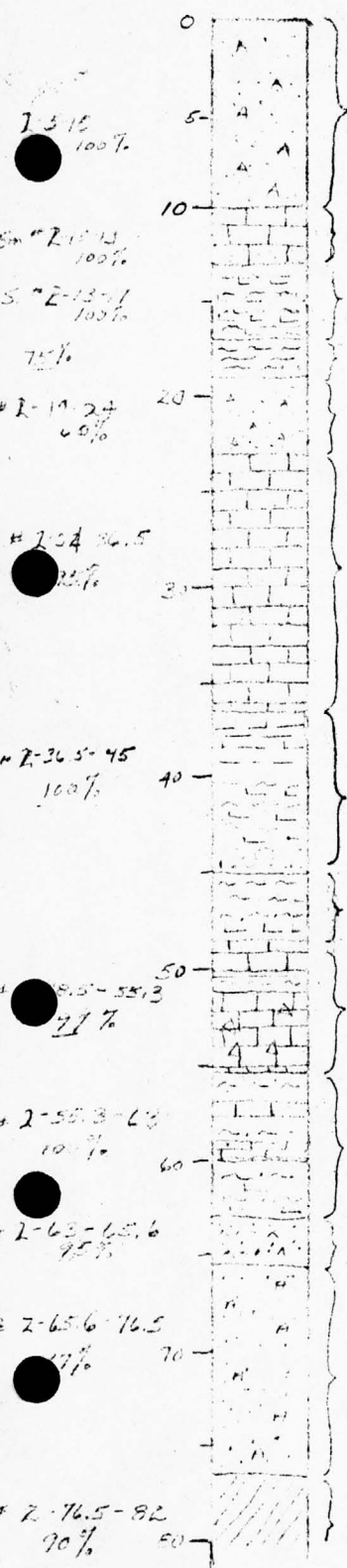
Silver Reef Property, Tombstone Arizona

DDH #2

Location: Governor Henderson Claim
Date:
Total Depth

Page #1

Note: Hole drilled on mineralized NW fissure crossing crest of Ingersol anticline.



Arkose, highly fractured
Buff, tan, green on fresh surface
Dissem. Pyr. Cubes & Mn

Note: Hole drilled near mineralized fracture through anticline

Base to data on LS - Pt oxides, Mn, min. along fractures. Iron oxides of Fe
forming dk green min. 2-3% Fe

Calc. Novacalc, gy, buff, brassy. Seams & dissem. min. gray & Mn 100%
Vuggy at base w/ opal
Dense Novacalc. No min. Py = Lugg.

Arkose, alt. Pyritic w/ Mn

LS wh to gy, alt. calc, mottled. Partly silty grainy. Abundant dissem
brn & dk ox. grains. Abundant green min. opal. Vuggy w/ opal in places

Novac, calc, gy to wh. V.L. Min-Mn. Maybe alt. LS-Nov. cgl.
Upper part LS. All epilitic.

Novac, calc, buff to pale green Mn²⁺. Alt per. cubes + Fe blotches.
Calc strips abundant. Vugs at both w/ opal.

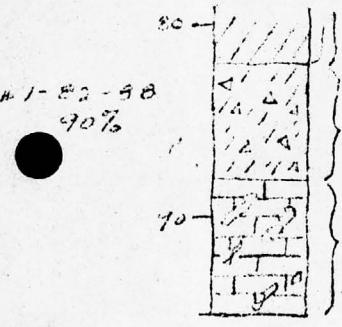
LS, highly alt. w/ 2 thin strks Novac. Abund. fine dissem Mn + orange
strk min. (Wulfenite?) High Dip: 80°
Color - alt brn to white.

LS + Novac interbedded. LS ore, dk to xtn. Nov tan to pale green.
Dissem. Mn. No ore mineral.
Fract + pit.

Arkose - dk gr. Mod. Mn + oxides

Arkose, highly hematitic. Abund. Dark oxides on fractures
Highly altered. Epilitic.

Fault gouge. Extremely hematitic. No Calc. Abund. limonite



Fault gouge and breccia. Hemite Limestone plus Soapstone

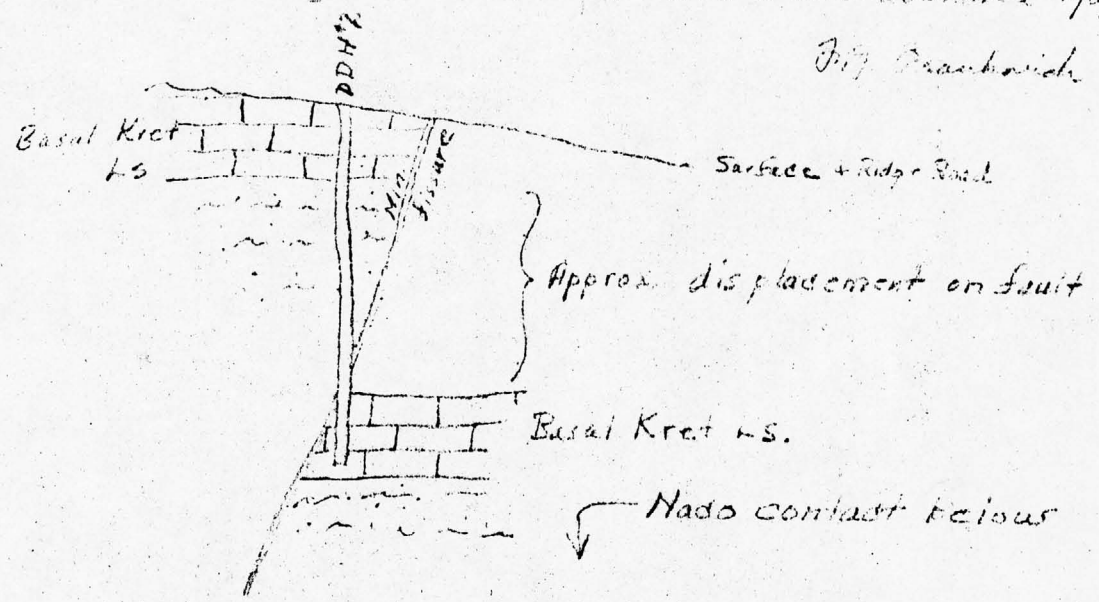
LS - Crse Xtra, dirty. Mn & Fe O's Cis, black calcite.
Vg to calcareous. Probable Bishop ls.

T.D. 75'

Summary: Hole drilled thru fault zone. Started in Kret ls into Hematitic Nevada, thru fault into down drop side of fault on the west and into same Kret ls again.

* Intense hematization appears highly pervasive. Fault zone continued to cave & hole abandoned 4/8/54

J.P. Branchawich



Sketch-section thru DDH #2 looking south.

Silver Reef Property - Tombstone

Location:

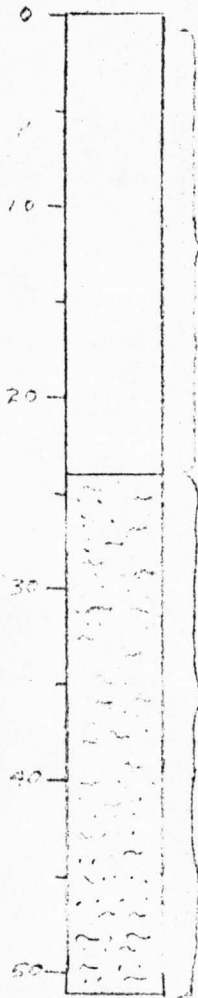
Elevation

DH #3

Date:

P270^m/

Objective:



Overburden

Micaulite, clean white very fine grained, fracturing with minor Mn & iron staining on fractures discern throughout

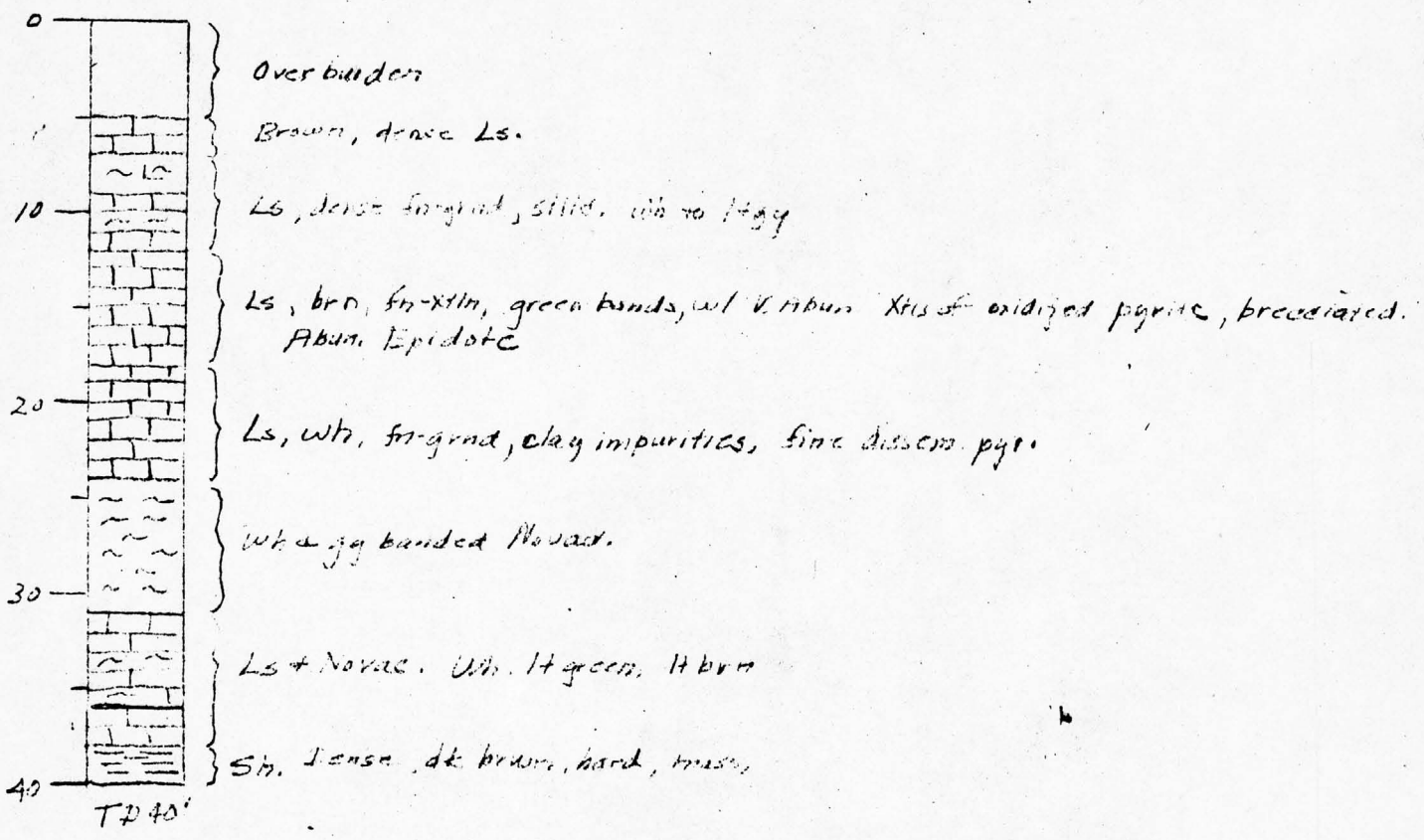
TDS1

Drilling rate facilitated at rate of 20' per 8 hr.
Shift at cost of one bit per 5'

Tomahstone

DDH #4

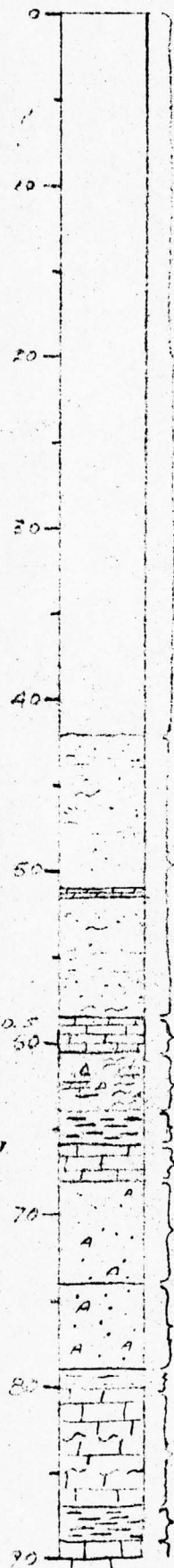
Drilled to get core at top of Naco



Silver Reef Property - Cambrian

Location:
Date:
Objective:

DM 5
Page 1



Overburden

Sil. sh. ls. tan & M-Me M-Me blk with Mn in places & Fe Oxides

Blue to fine to coarse xtz 1' Abund. Mn. Yel. Cong. & Brn. Mn

Brcc. Nov. ls. w/ Calcite Veins & Dissem. Mn. Lt. grey

Brown Laminated Mudstone

Coarse xtz brown to pale Grn ls. Veinlets & Dissem. Bl. Ox.

Artose brn to yel. V fine grained to med. Pyritic coarse, A Mn along faces w/ Fe Ox.

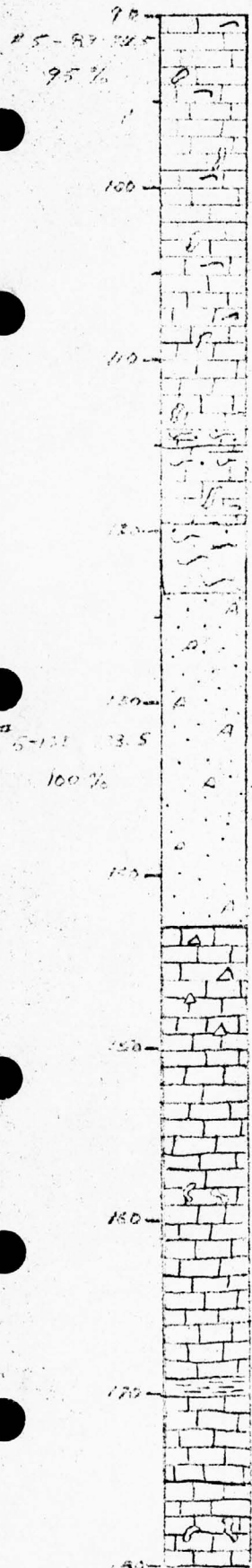
Artose as above w/ black ox in bed.

Black int. Sh

Blue imp. ls. partly fossiliferous altered to soft white w/ some red ox & Cal. veins

Banded bl. to tan sil. M-Me A Mn & Fe ox. along faces.

5-585 60.5
100% 50
5-36-67
100% 70



Dissem Mn, col in frags after toyl, gran, brn ox
 Pink Mn pos Rhodospirilla

Blue fossil xtn Ls w/ vugs imp in part w/ clay in alter
 zones

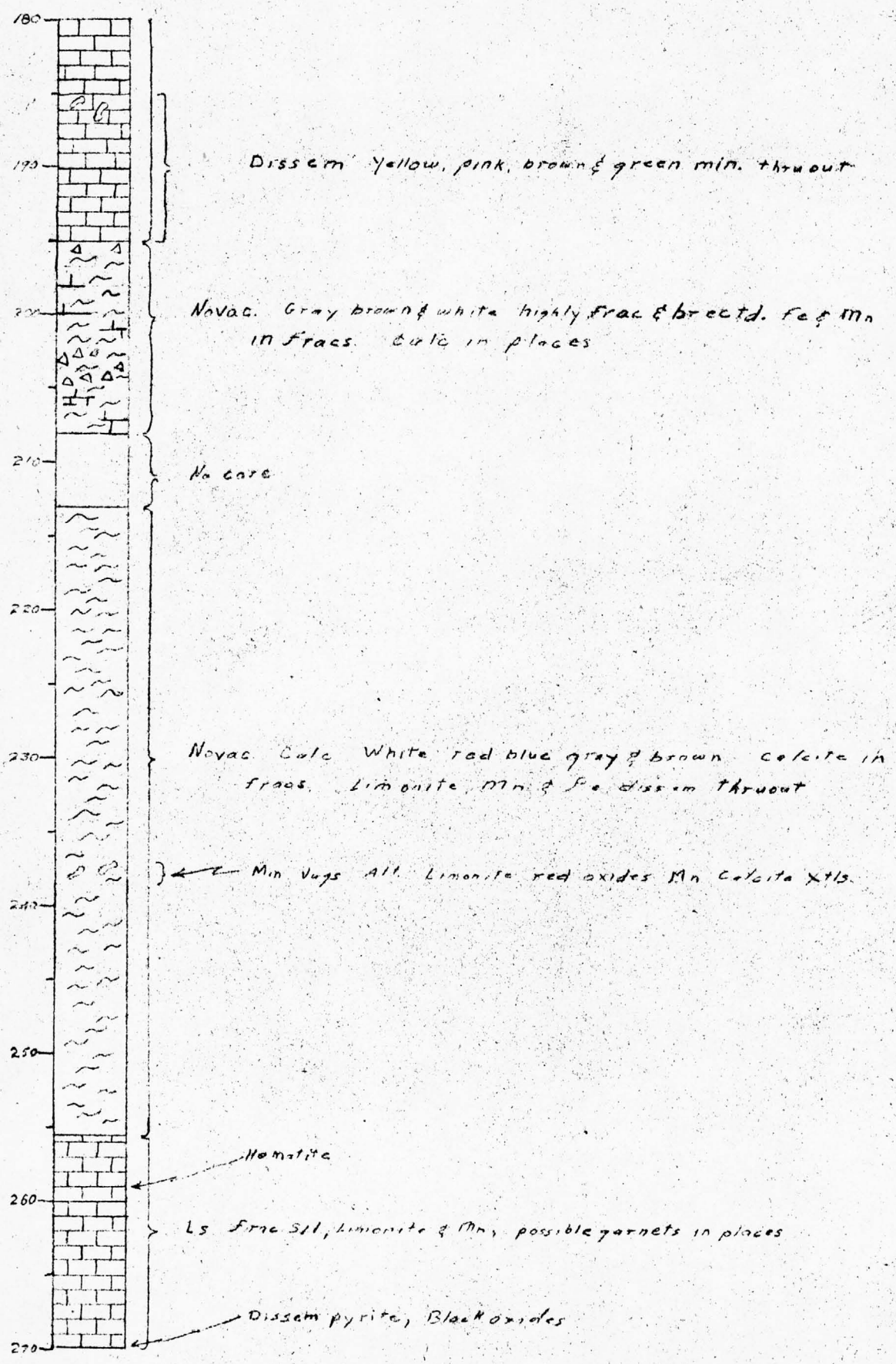
Nov. wh to pale brn. w/ pale grn. & Mn in frags.

1 1/2' min zone of brn to bl ox.

Asks dk grn 50% alt to Lt tan & brn. Sn-cts.
 intens frag w/ Fe ox, Mn & cub pyr

Blue to white xtn & fossil. Lss occas. vugs frag.
 & crushed zones w/ Fe & Mn Alt in crushed zones

Pyrite casts



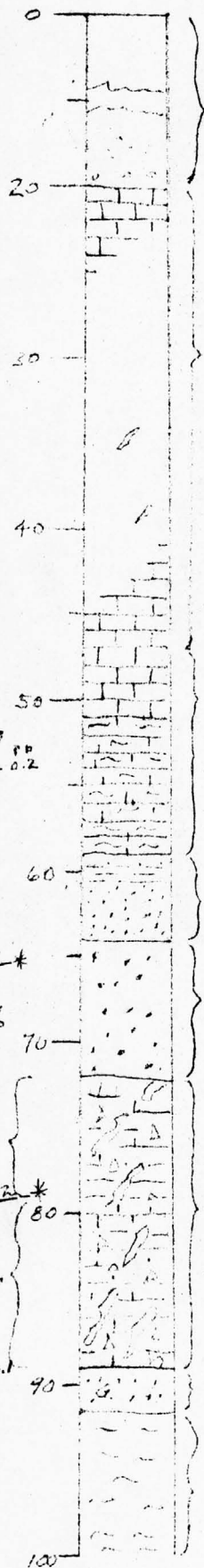
Silver Reef Property

Tombstone Ariz.

June 3, '59 F.L.F.

DDH #6

page #1



Overburden - sand, caliche gravel

Blue ss ls. bleached in part. Abun. conc. & yellow minerals

Ls. to mudst, wh - lt gy. Highly fract. at bott. and irreg. w/ well and Mn.

Siltst. + ss. Brn, red-purple w/ Mn + Py, etc.

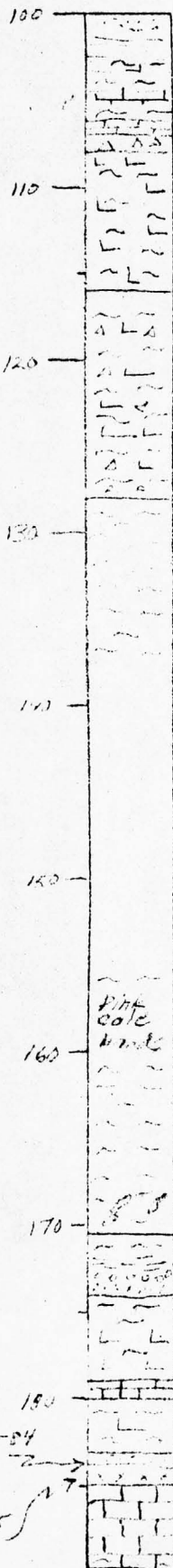
Gy-purple Gouge from Mn + Hem. Ab. py. etc. Subjected to intense mineralization.

Min zone. 1.6 g Ag. Mimics "Casing"
Hard, silic. Purple-Hem, color
V. gy w/ xtn + chalc. qtz. Qty veins
Pl. minerals - thick coatings + veins. Good Mn appearance

Min. w/ red-pur oxides + black min.

Blue to tan fract. Nodul. Loose like white ls + mudst.
3. Mn + xtn + chalc. qtz.

*0.020g Au - 0.2g Ag - 0.1 Pb for 3 feet w/ 25% recovery
1. 0.040g Au - 1.6g Ag - 0.2 Pb for 7 feet w/ 7% recovery



Tan, Fe sta, Int. Ls + silic mudst.
Bl + Mn Min common

Novae Ls. Obvious silicification of Ls

Dk to Lt sil rock. Appears to be metam. "Blue Ls"
Gran. Bl. and min. in part w/ Bl or yellow

Novae. Whit to dk gr. showing flow-like struct. and
remnant Ls character.

Non. descr. per. Also per assoc w/ greenish purple in veins

Thin
calc
beds

Silic unit - DK green calc. Ls siliceous and granular. Salt

Post base Kret. - Strong break

Silic thin Ls - Novae Lsgg

CRSC, Xth, thin, etc

Lt gr Nov. thin beds & blebs of Ls

Silic siliceous Ls. Int. Tan & Fe Sand. Min. Mn + Fe S

Min zone. Banded calc. Ls + base to top granular material w/ blebs of bands
of Black Iron. Heavy. Siacabur color

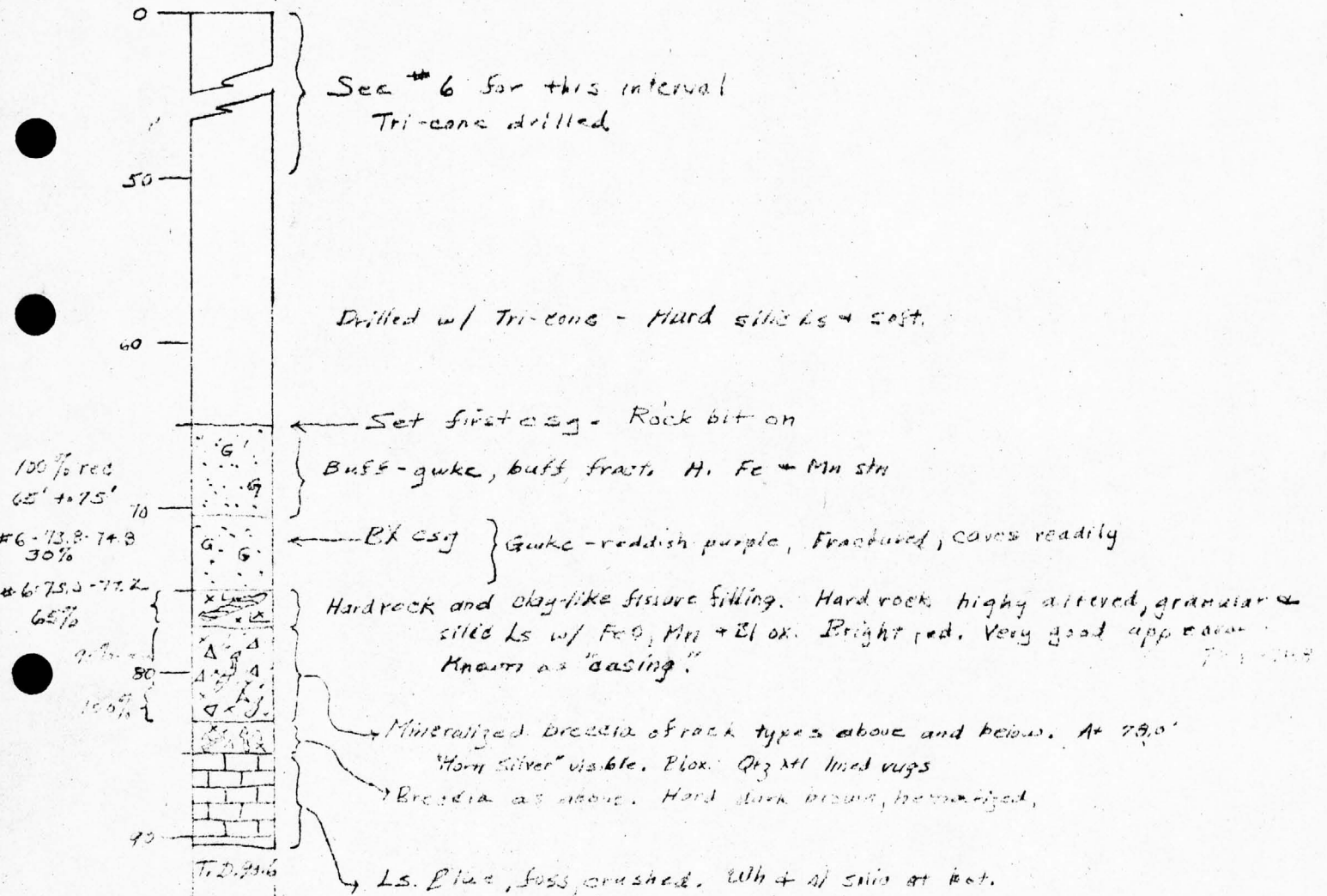
Xth CRSC, wh to lt gr Ls w/ silic bands to 6'

T.D. 187.7

#5-93-94
100%
#5-94-95
100%

Silver Reef Property
Tombstone

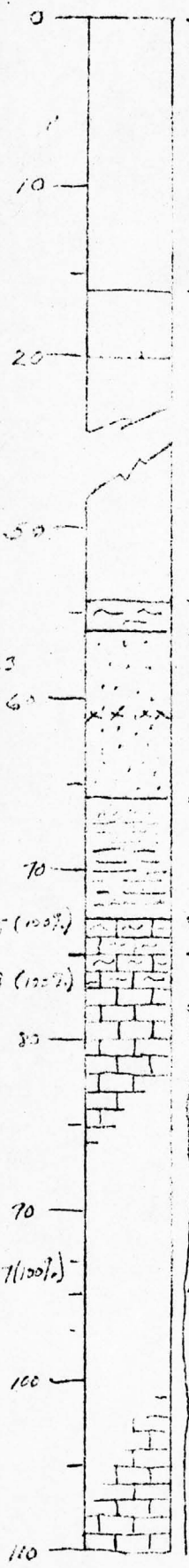
Offset 5' from #6
Drilled June 5 + '57 Log: F. L. F



Samples

- #6-77.2-77.75
- 6-77.2-77.70
- 6-77.7-79.1
- 6-79.1-80.9
- 6-81-83
- 6-83-85

Tempestone



Overburden

Drillers log: 20' to 53.4' Hard, fine sand sect.

Novaci Ls, silic - lt to dk grn & brn

Ss, buff, brn, sh-grd. Fr. lim. in fract. and venticles of brn min.

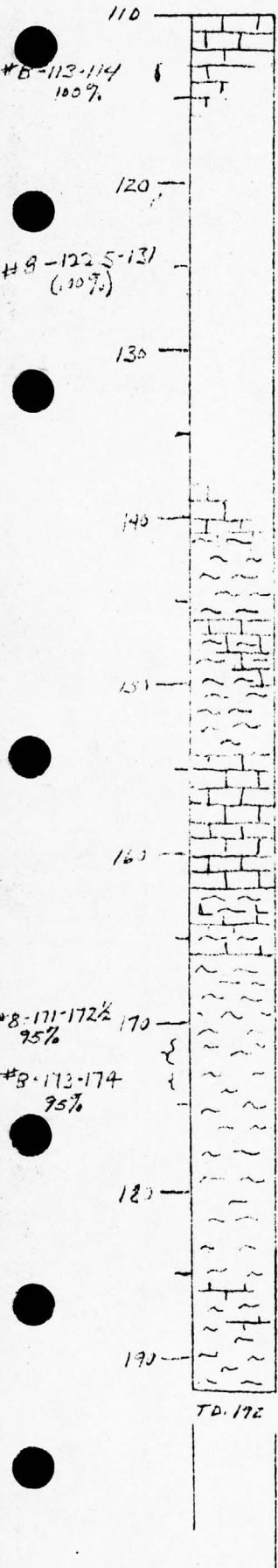
Sil, silic, dk to black. Bleached to wh at bottom. Has abundant small rounded pits & inclusions. Min. zone. Limonite veins & Silic.

Min Bl Ls. Silic w/ & brn w/ lim veins & chalcocopy. A small vugs.

Ls, Bl, fess. w/ wh salt zones. + Mn + green min. 50% Alt wh & min w/ veins of calcite, Qtz, & Bl + brn min.

Stipple - 1" to 2" vns of bl & brn min. in wh alt. zones.

Veins of bl + brn min.



Bl ls as above Sample: wh alt zone w/ brn + bl veins & dissem.

Sample: Min. zone, veins at lim, & bl ox & dissem.

Bl ls as above - mostly altered.

Ls, thin, brn, blue wh.

Ls & novac interbedded.

Sample: Bleached clay zone w/ NA- AK min.

Sample: Xn at 75° Bl + brn filling w/ 2" brn wall

Novac. - wh to lt grn to dk grn at bottom
Abund dissem pyr-oxid + not at bottom

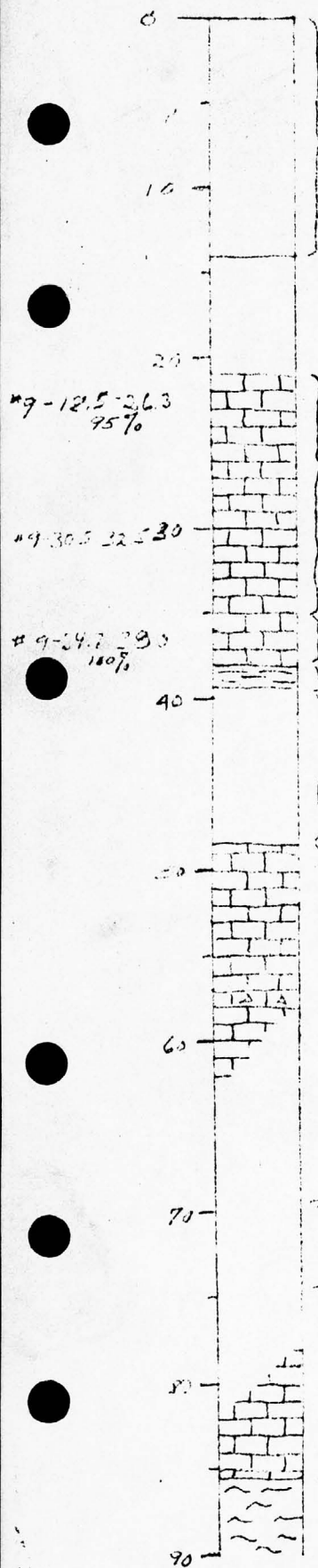
Dip of beds near flat.

Tomb # 200

DDI # 3

PA 1

Sample No	Rec	Av	Flg
9-18.5-26.3	95		
30.5-32.5	100		
34.7-38.0	100		
51-53.2	95		
60.9-62.5	95		
63.2-65.3	100		
65.6-67.3	100		
74.7-76.1	100		



Overburden

Ls. Blue, foss. Crashed + shered. Several shear zones w/ bl aged min.

Argillite, bl, fract. A. yell min at top

Drilled w/ Rock bit

Ls, bl. Sues.

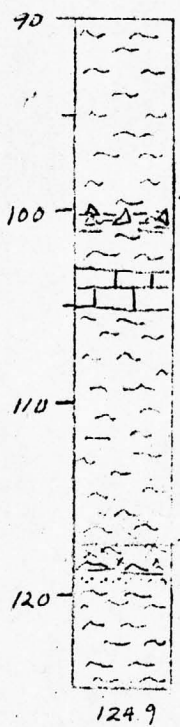
Breccia of Bl Arg. & Ls

2-3" Silt vein w/ br. min.

14' zone crushed, w/ bl + dr. min.

3" band of pink calcite

Nsvac



Novac, lt gy to green w/ garnets at Fe-stn, badly fract

Crushed zone - clay (fault gouge?)

Hard blue Novac
- thin to brn Xthin L & C

Novac - Pale green, thin bedded w/ grey
Dissect - abundant Pyrite thru out

Soapst. - 5" Abun Hem. in fract.
Zone of soft buff sandstone

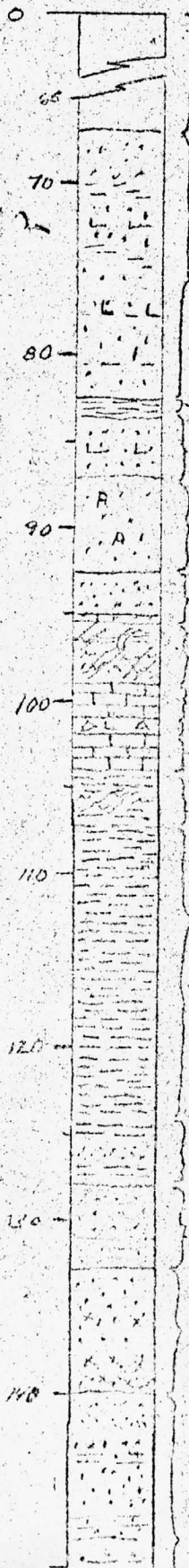
Novac, grn, fract. pyritic. 50% oxidized to brn. Drilled very hard

Dip of bedding: Vertical

Dip nearly horizontal

Sample No.	Fe	Pu	Ag
9-16.8-118.8	100		

Tombstone



Overburden: Boulders, hard w/ soft matrix.

Rock bit to: 95'

Ss, silty, limy, dk green to grey w/ few shale seams,

Argillite, olive green, epidote, Mn + Bl ox.

Ss, H gy to dk brn, limy w/ parts minutely fossilifer.

Arkose, dk green, soft, in grnd

Arkose as above + 1" of H gy quartzite - Abund Epidote

Bred w/ 50% Calc veins & fillings - Frag's brn Arg. & gn Nodules. Mut
wh to H gy ls. Hard sand.

Bred. as above
Ls, buff to dk green, med str. May have been ferr.

Sh, brn, int'd w/ Nodules, Calc veins, Mn dissem. ++

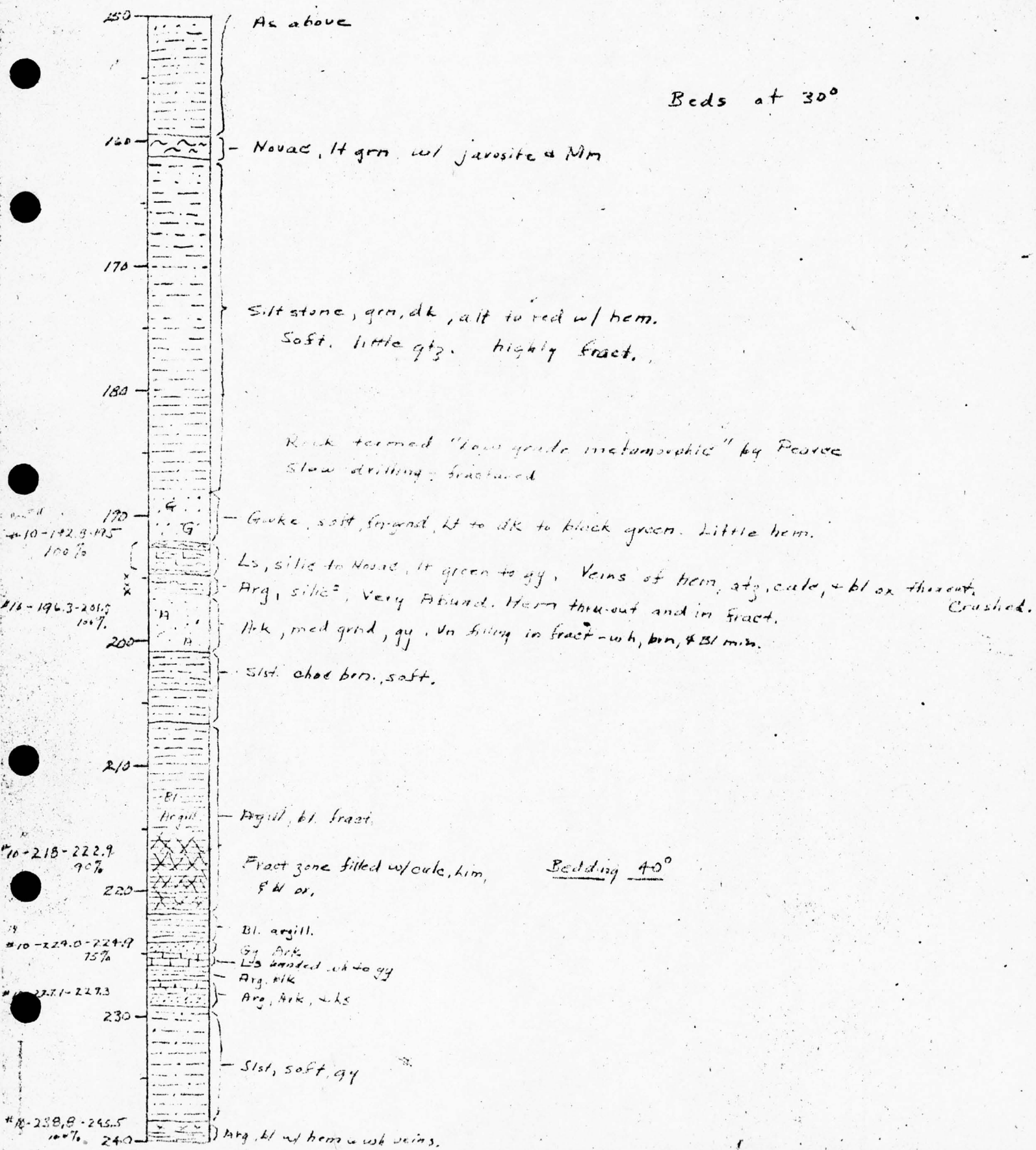
Brn to maroon mass. sh

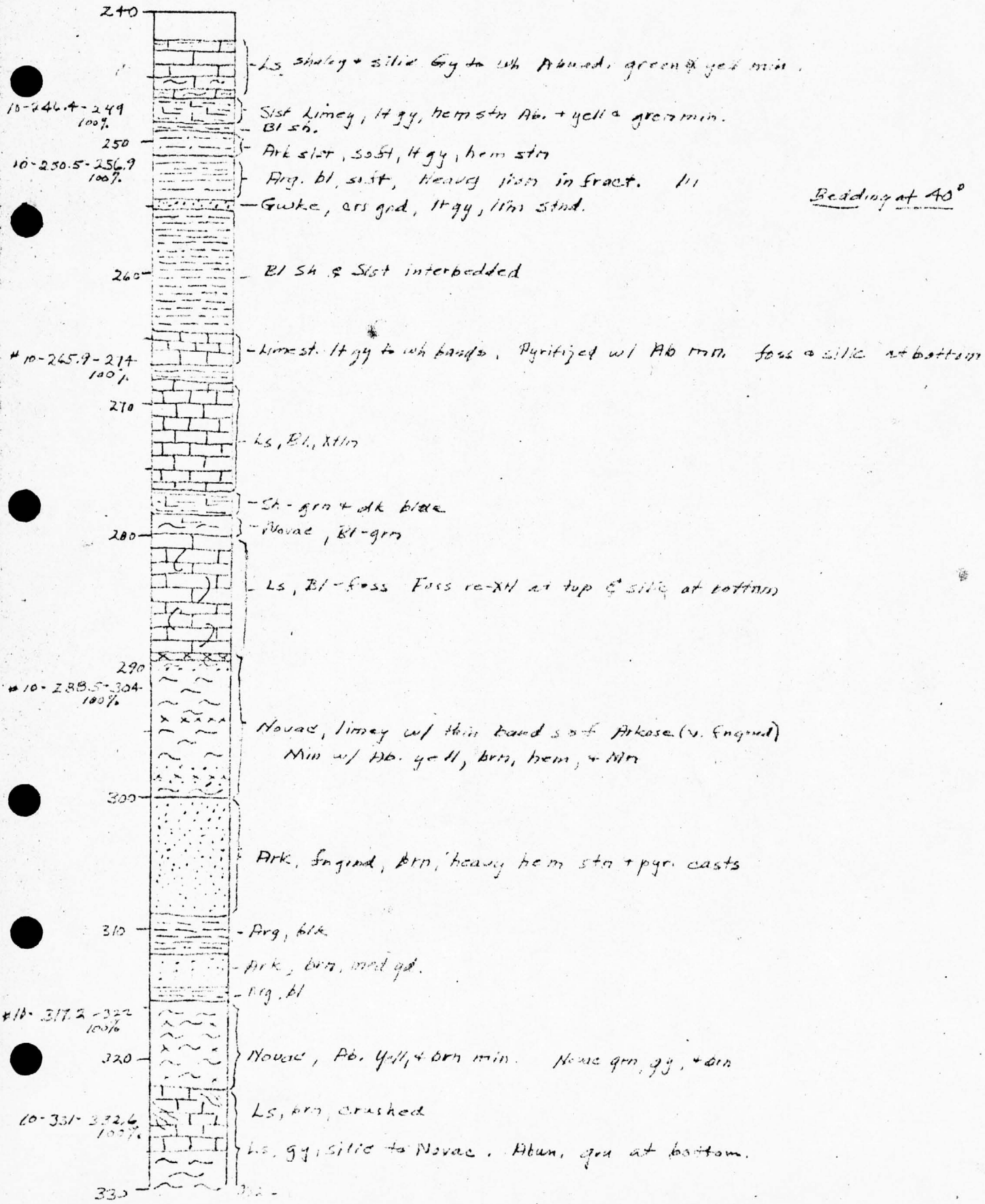
Shd brn, mass mudst to ss.
Mottled + w/ Nodules of hem.

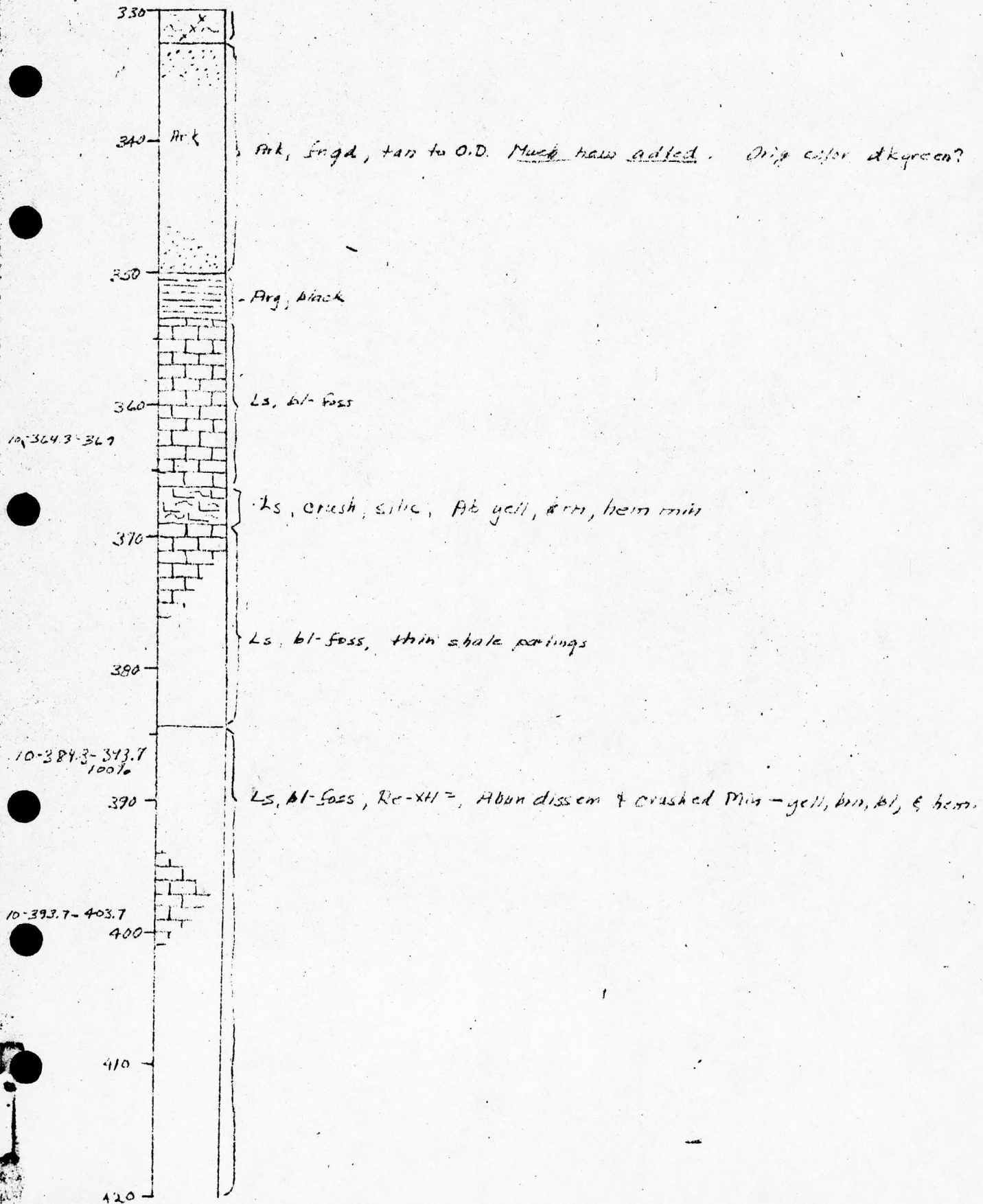
Subs. very to med - ss. Silt st, med green to grey

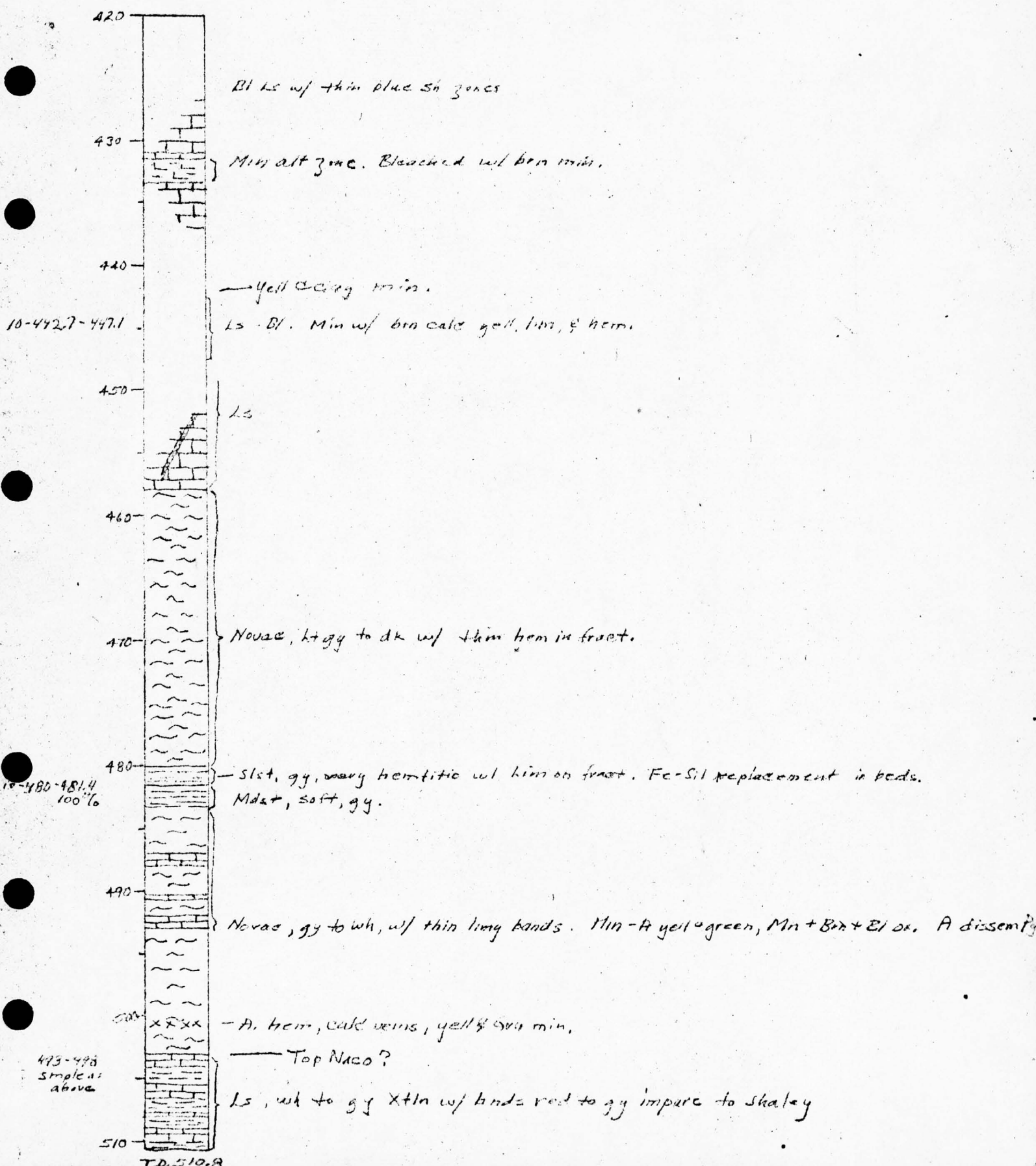
Mudst, dk green, soft sand. Abund Mn, Mn oxides & silic.

Siltstone, green, w/ H gy sand, spots + zones of iron.



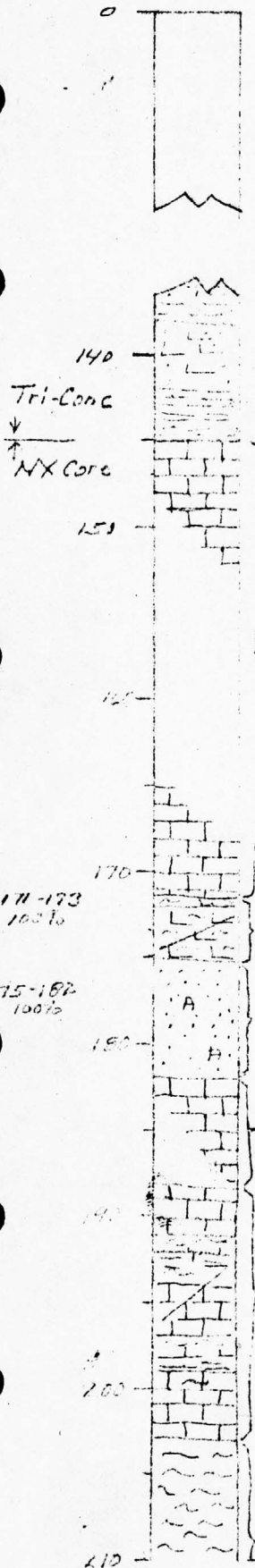






Elev. collar = 4471'

Tri-Cone Rock bit



- 0 - 41' Overbdn
- 41 - 65 Sh + ss gy to buff
- 65 - 69 Argill, brn, limonitic
- 69 - 83.6 Ls, buff, brn-gy, impure, soft, slty
- 83.6 - 93 Arg + Ark - black to gy
- 93 - 106 Arg, tan, limonitic
- 106 - 109 ? Poor sample
- 109 - 134 Poor sample, Drills hard a soft Prob. sh + quartzite, gy
- 134 - 138 Gwke, dk gy, soft
- 138 - 142 Ls, sdgy to ss + ls, Hgy
- 142 - 145 Argill, tan, lim, fract.

Ls, mic. foss. Com wugs & fiss. w/ dak. xtls
Com yell + bl min in bands, veins, & dissem

Ls, silic (Novac). fract. Jar + gr in fibun. als. Mn + bl, ox.

Arkoss, brn, heavy Fe-stn, banded fl ox. Pt + Mn.

Ls wk to brn, impure, Il, brn, grn min. crushed, wuggy

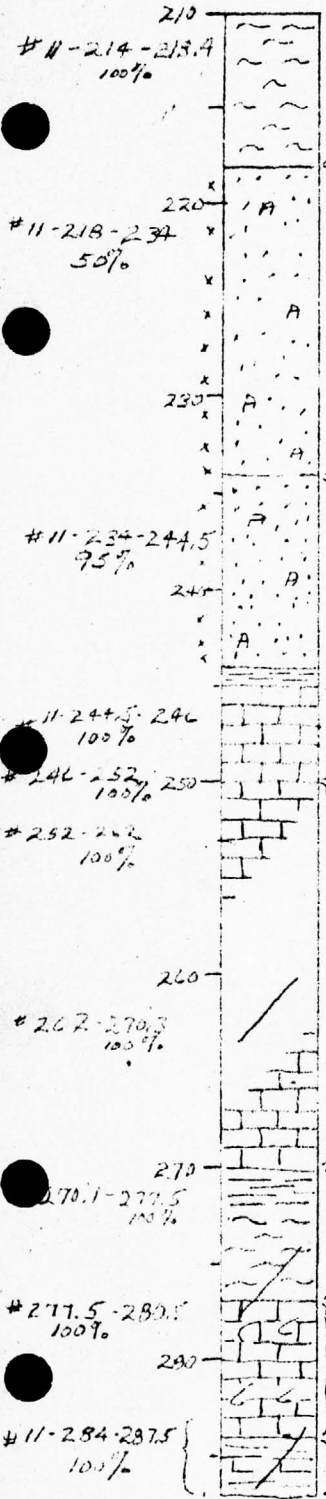
Ls, foss. blue to wh, silic + pyritic
Imp silty bands. Com pink bands

Novac, lt grn, crushed, alt to brn. Abun yell + dk min.

Tombstone: Silver Reef #2 claim

Drilled by J. Eyster July 1, 59

51
DDH. # 11
172



Novac as above

Ark, brn Fe Stn heavy. Soft drilling. Looks well min. Of water course.
Mn, wh + grn min coat on fract.

Ark, fragred, soft, Alt. to brn by FeO str Water course

Sh, bl, slic.

Ls bl, xth lit to wh. Pyritic =

Ls, blue, foss wh dk mudst. bands
Abund. Epistote in dissem. bands
Abun. Dissem Pyrite

Novac & banded Arg. Gy, wh, pale green
Houn epid. Small blebs & dissem of Brn + Bl ox.

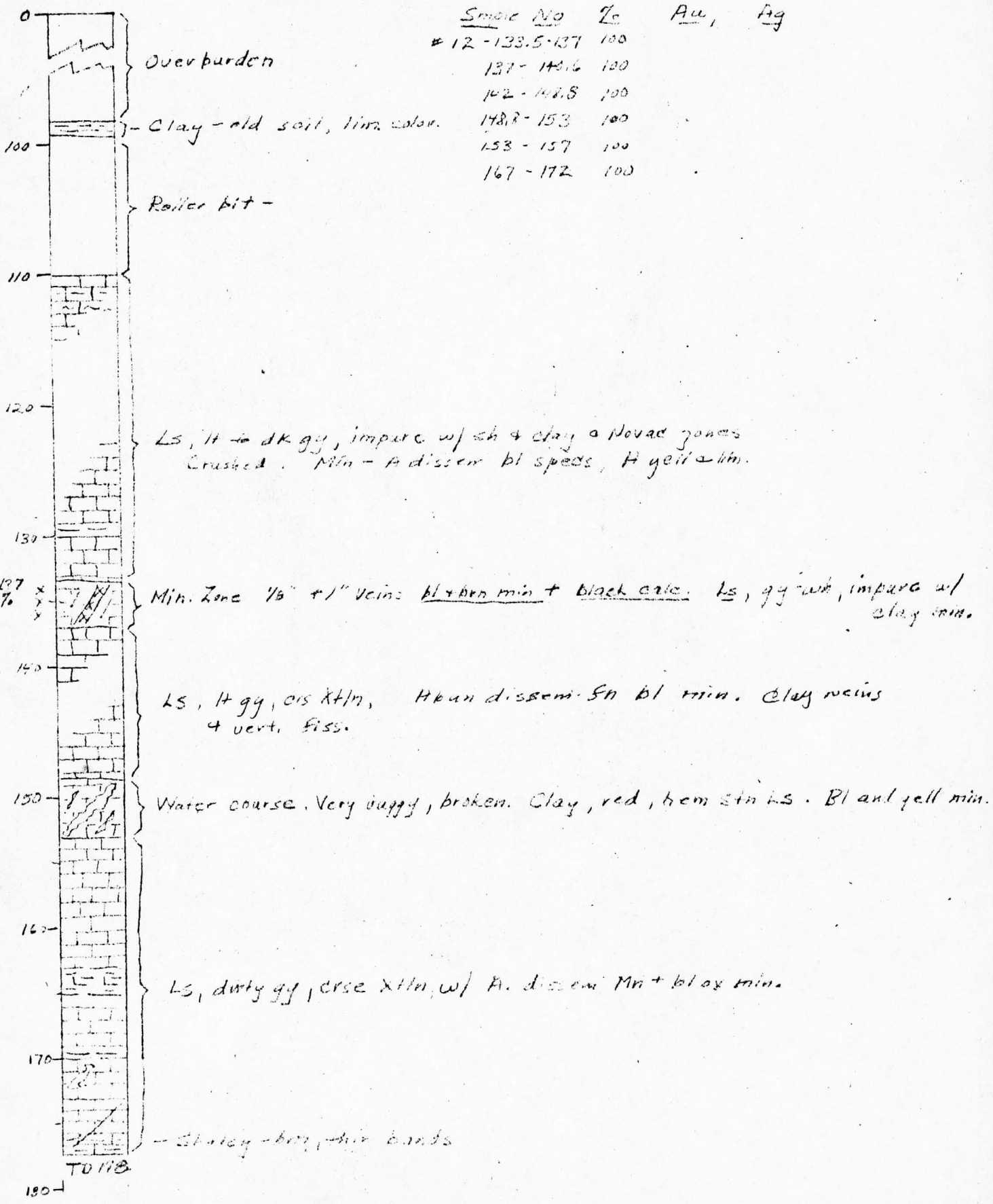
Ls, bl foss, Re-Xth. Abun su-dissem Pyrite

Shaley Ls Brn + Calc zone at 40' Min w/ dk. + brn ox's.

T.D. 287.5'

Drilled by J. Closter July 4-7, 1959

1 page



Tombstone Project

Diamond Drill Hole # 13

Drilled by J. J. Cloeter, August 1959

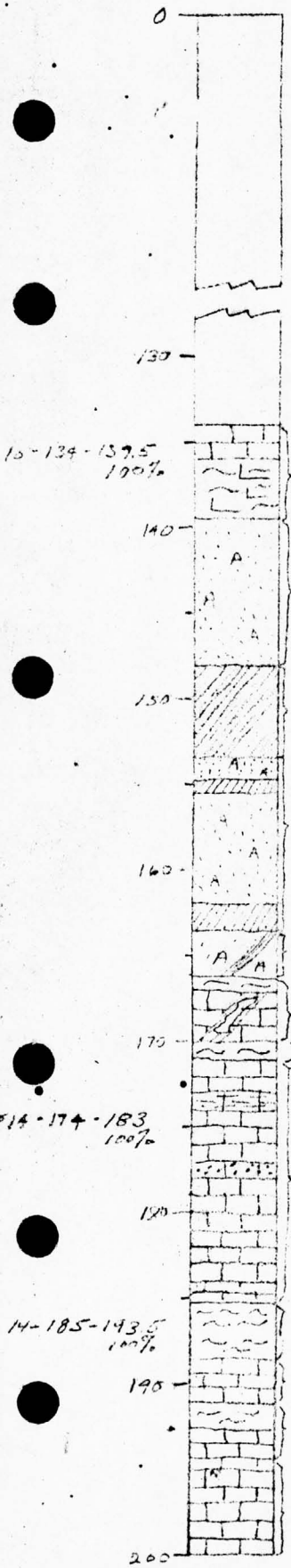
Drilled entirely with tri-cone roller bit.

- 0 - 32 Overburden
- 32 - 41 Ls, gy, sdy
- 41 - 43 Ls & clay
- 43 - 46 Clay, tan
- 46 - 60 Clay and ls as above
- 60 - 63 Siltstone, blk & ls
- 63 - 65 "h frags---apparently from dike and green argillite
- 65 - 78 Arg, blk and clay
- 78 - 87 As above
- 87 - 95 Clay, brown, limonitic
- 95 -101 Calc and blk arg as above
- 101--136 Brown clay
- 136 -145 Dark grey clay and ls cuttings (from above?)
- 145 -146 Tan clay w/ dk cuttings

TOTAL DEPTH: 146'

No evidence of mineralization. Much trouble with caving.
 Hole appeared to be mostly clay--probably in shear zone
 or fault gouge, near vertical.

Logged by: F. Frankovich



- 0 - 80 Overth.
- 80 - 85 Red clay - fossil soil
- 85 - 95 Gy clay w/ thin strks of dkgy argil.
- 95 - 102 Brn clay w/ Arg as above
- 102 - 105 " " " tan argil as above
- 105 - 115 Blk argil w/ clay as above
- 115 - 127 Arg, tan to buff
- 127 - 130 Arg, gy w/ tan clay
- 130 - 132 Tan, lim stnd argil
- 132 - 135 Blk arg + Buff, lid, sdy Ls

Ls. Silic., Tan to Grey color, A Lim., Vugs, Fault Zone

Ark. Gy - Th Ss. Highly Fractured Fine gr.

Clay Brn. Calcite Frg. Fault Gouge effns.

Ss. Ark Th - Gy. A Lim. Frgr, Brn Clay Fault Gouge w/ w clay min

Fault gouge

Ss. Ark, dk gy, med-grnd, alt. fract w/ vA Fe ox's. Crushed

Ls, wh to gy, imp, clayey - A yell, green & Fe Min + dissem bl ox.

Novac - gy - Brn, shaley

Ls, wh - dkgy, fn - coarse grnd, w/ thin pes sh & ark.

174 - 182' is vA pink min + dissem bl ox.
Few vugs w/ calc. A dissem yell & grn min.

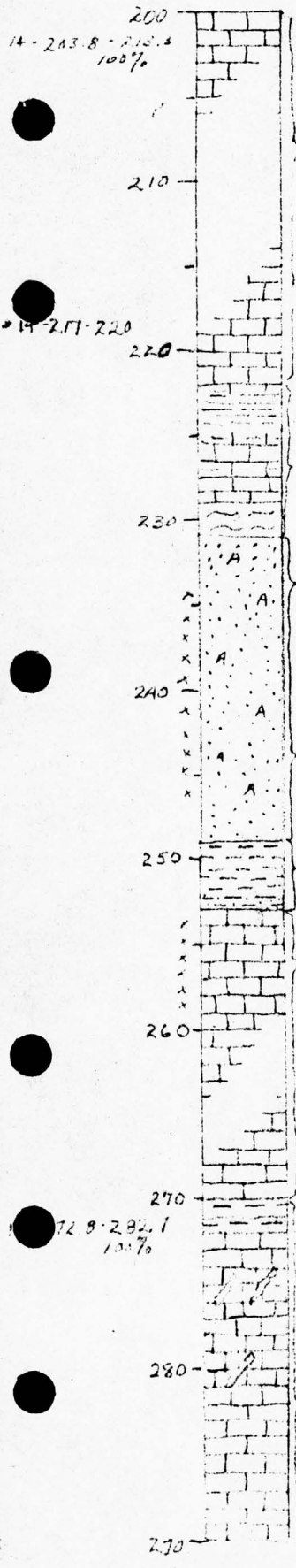
Novac, dk grit - brn, highly Ss, vA Fe. Min, calc veins
bl ox on fract.

Ls, wh to gy, fract w/ A dissem bl min

Novac & Ls as above.

Ls wh to dkgy, Xtn to foss. A dissem black min.

Collar Elev = 4168



Simple. Ls, fess, A pink min. fess replac by brn min.
A dissem, bl min.

Bl fess Ls. w/ R thin gr. shaley bands

Simple. Dirty green in ls

Ls as above plus thin shale + Brn Nodds

Elev = 4237

Ark, crse-grnd, highly st. to dk brn w/ FeO₂

Same as above, heavily iron stained & crushed as in fault

Elev = 4219

Top "Blue Limestone" Elev = 4215
Mudstone grading into siltstone, gry-brn & highly iron stained

Ls. wh-lite gry, vug. A hem & lim, good ore type ls.

Ls, crse-grnd., th-gry, shly layers

Prob "Bl Ls"

Hem dissem in veins w/ grn min + yell.



Calcite lined vugs

ls, egg, coarse xls, thin Grapt + veins w/ lim, heavy & bands of yell. clay. sh.

Thin sh.

Massive, dark-green, Pyritic. Impure clay fines 2-5"

Massive, Whit to pale green, Pyritic. Pale pink mineral - few spots. Erythrite?

TD240.8

D.D.H. #15, Core Log

57
D.H. #15
Pg 1

↓ Roller bit to here

120- Ls. wh-gry, calcareous, fract. frags, Calcite, grn & brn. min. + Bl. ox.

130- Mdt, pale green. A hem, calc. veins

140- Ls. gry-red, fn. gr., Fe min., fract., fault gouge
A 6 in mint hem, Fault gouge

150- Ls. wh dozy A to wh, V A green & yell. min

160- 3 good in zone wh & grn min + Bl ox.
Fault gouge, lim + hem

170- Ls, Brn to wh, xlin, impure, mineralized

House, Black

180- Ls. gry to brn xlin, fine dissem bl min.

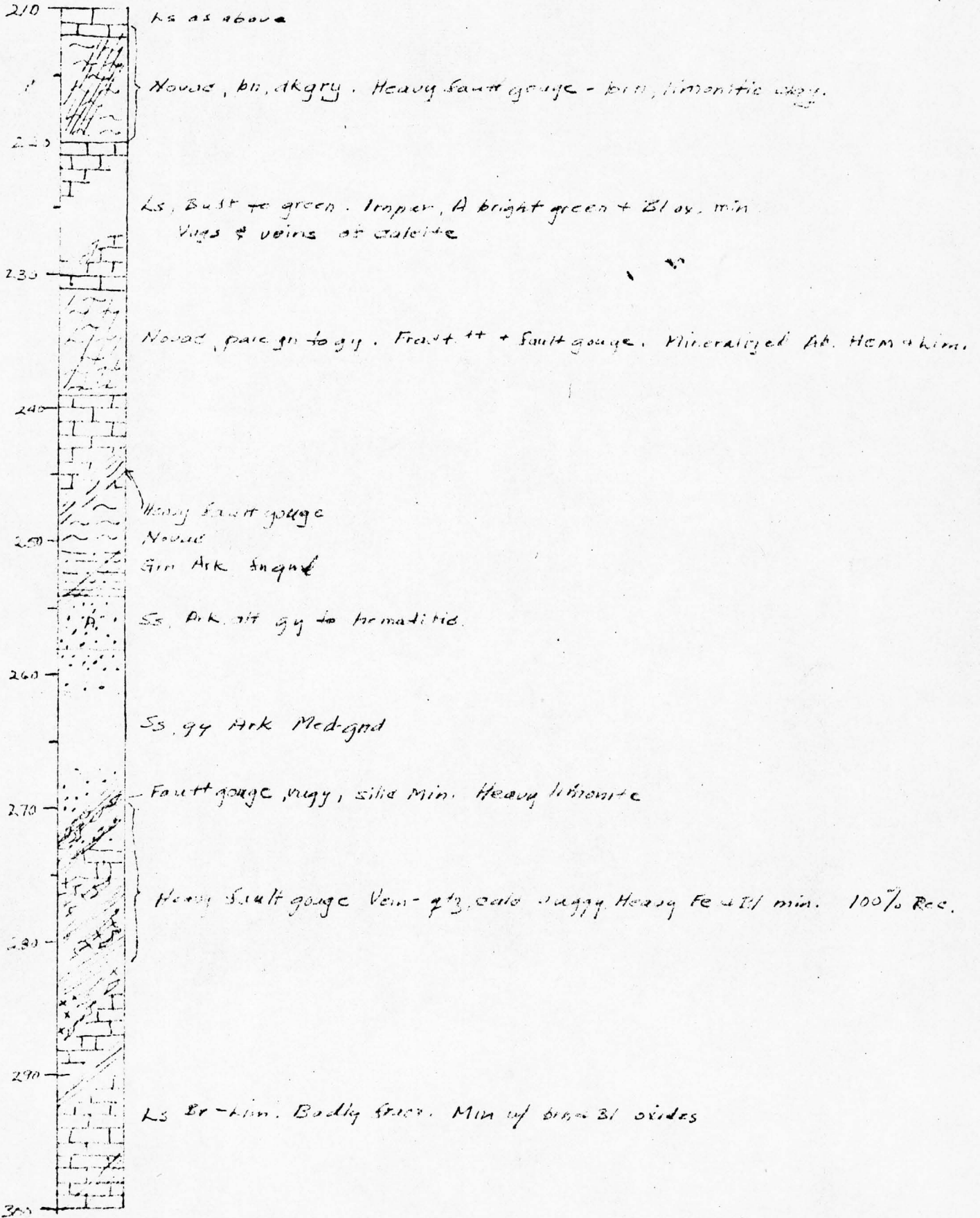
House, bl to grn, A yell min in fract.
Dk, med, qnd, crushed, highly alt and min, fault gouge

190- House - Bl to grn.

Fault gouge.

200- Ls, Brn xlin, impure, mineralized.
Ab veins of calc w/ yell, orange & grn min.
Bright green like Epidote

210-



Closter



1.5 Bl. ss, Bl + Gr. Min.

Fault gouge

210 Ark. Gy. alt to red, suggy

shale crushed, Hem sand

Fault gouge. Heavy hem & lim. Arctost. Ark.

270

250

Mass. Day

1.5 ft. impure. Small. var. bl. m, epilita, yellowish min.

Fault gouge, H. lim, Hem, et al.

240

Mass. sand, etc. var. hem. finely crushed

240

10-
20-
30-
40-
50-
60-
70-
80-
90-
100-

Clay, brn-red intermixed / dk. colored pebbles.

Clay, gy-red, dk. pebbles & rocks more A.

Clay, gy-brn, A dk boulders increasing / depth.

Clay, same as above.

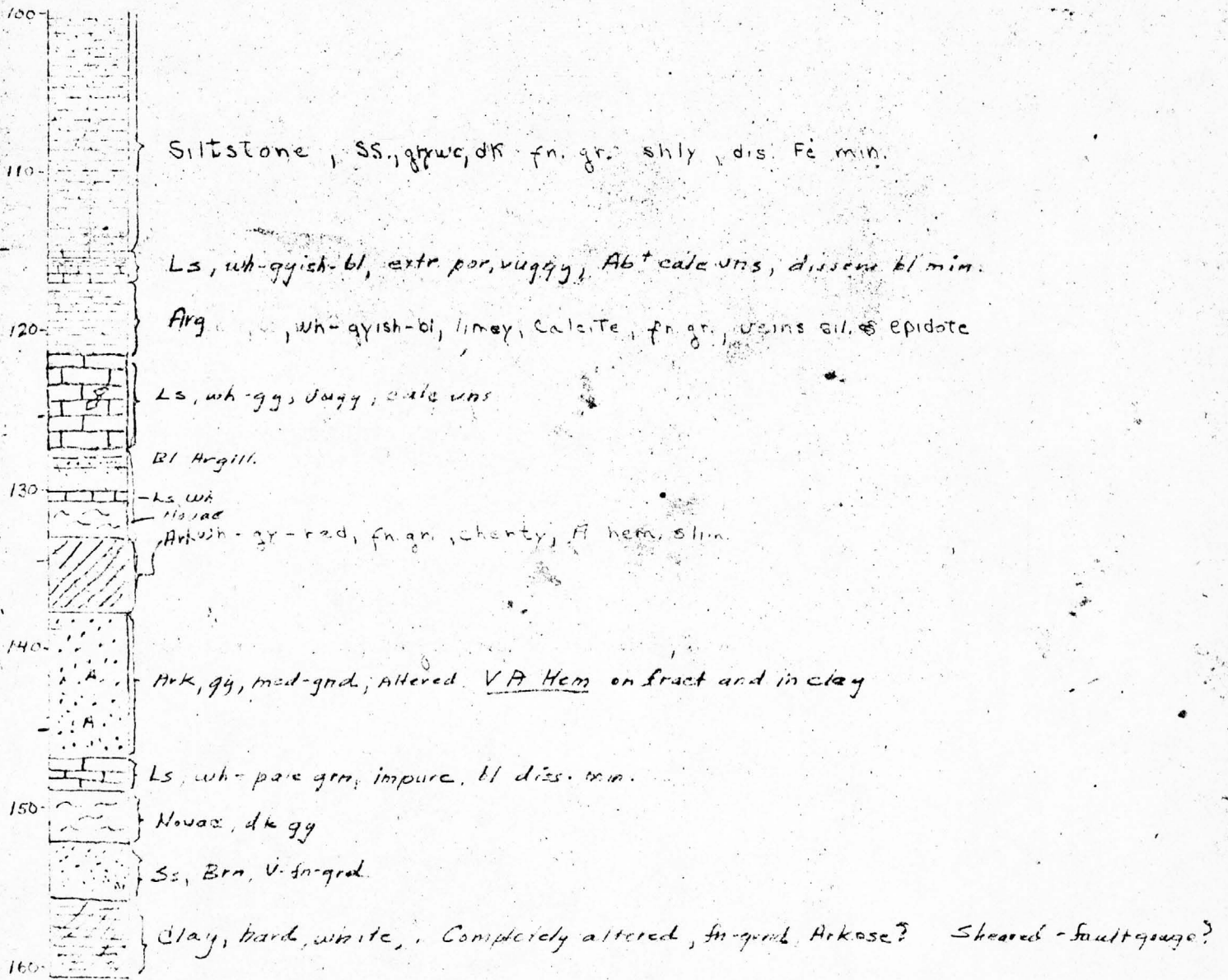
Boulders, dk-brn, sm. amt clay, tn-light gy.

D.D.H. #16, Core Log

61

DDH#16

pg 2



T.D. 160.1

Tombstone

Driller's Log

Started: Aug 6, 1959

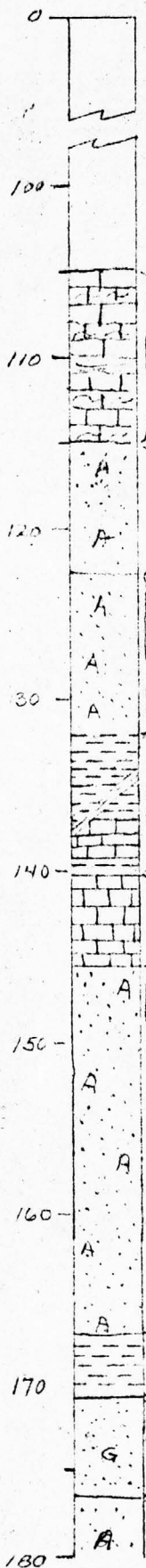
Location: 200' So. of Inclined hole on ridge So of Ingersol anticline

0-107' Opened with 3' boulders at bottom.

Bottom 30' very plastic clay

Roller Bit

Drum AX



Dk gy to grn ls w/ Mord zones

Altered bleached zone calc + Mn veins

Ark, fn-gd, Ferruginous. A from thin + Calc in fract.

Ark, fn-gd, brn-gry-red, fract. A hem / some lim., Calc veins in fract.

Fault gouge

Ls. interbedded/argillite fn-gr, dk-gry. Fe. min.

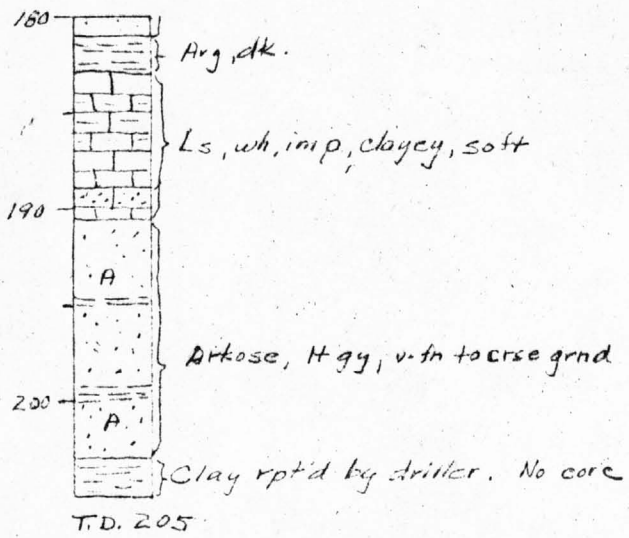
Ls., wh-gry, fract. bl. & orange min.

Ark, fn-gd, wh-gry, highly fract, A Fe min, coal veins.

Argill., fn-gd, gry. Fe min in fract.

Gwk, dk, v-fn-grd, micaceous. Fe & Mn in fract.

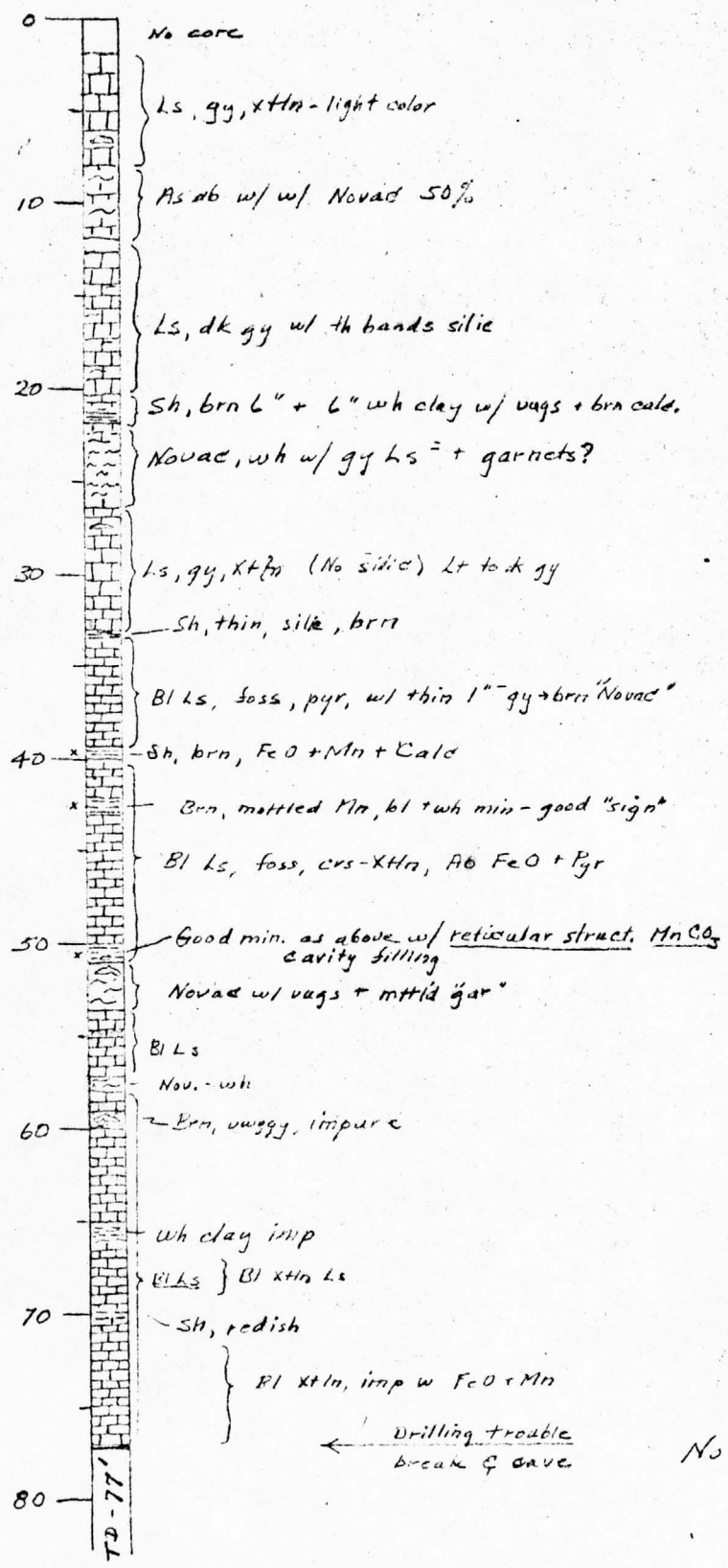
Ark, ht gy, med-grd, micaceous



Vizina-TRIBUTE DRIFT

12/7/59

Log by: F.J.F.



General Inclined up at 44.5°
" with beds about
Drilled from 100' level
Bearing: N. 45E.
Size EX

← Drilling trouble
break & cave

No mineralization

Sketch Map Showing Approximate Location of Diamond Drill Holes

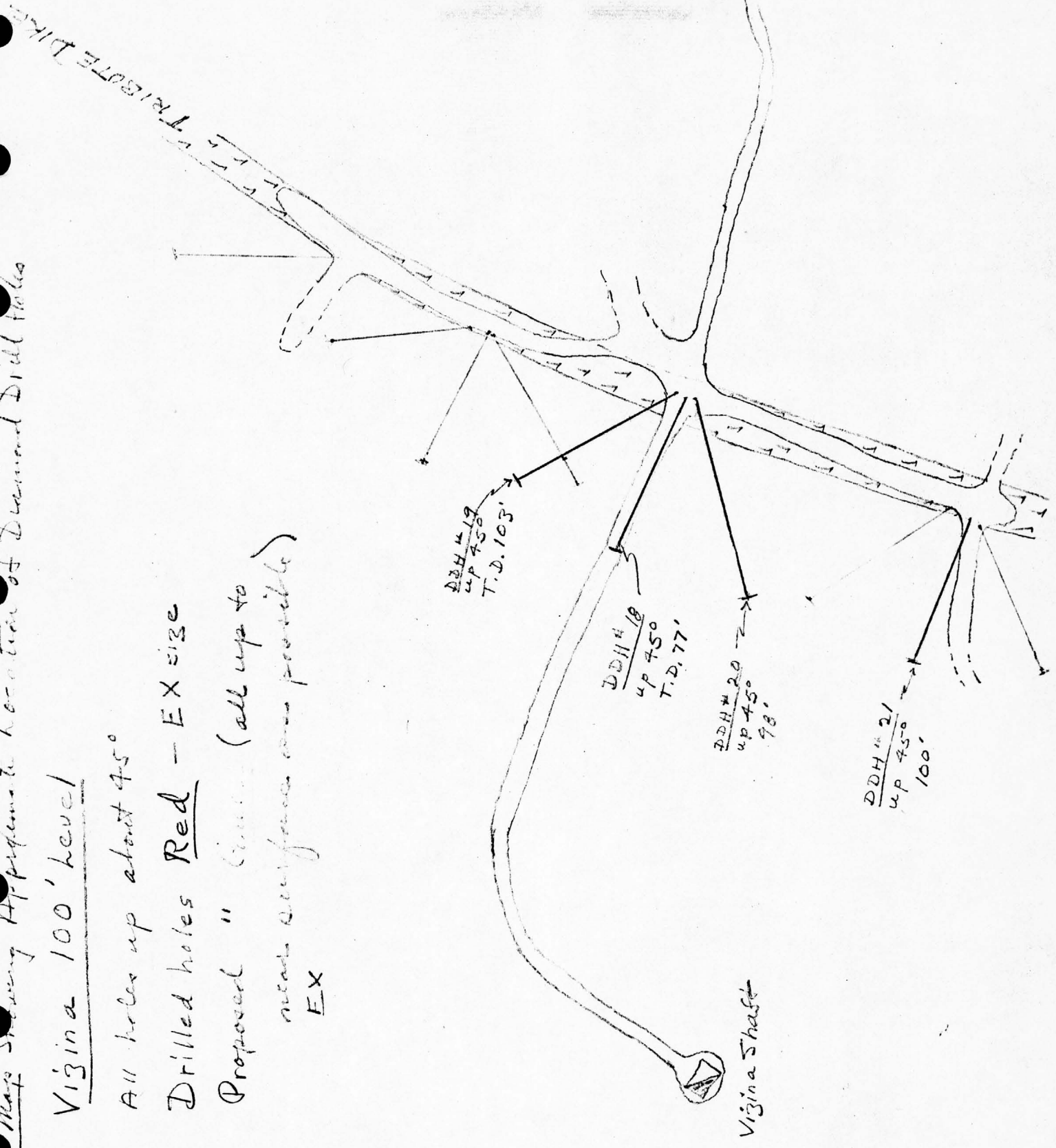
Virginia 100' level

All holes up about 45°

Drilled holes Red - EX size

Proposed " (all up to near surface as possible)
EX

North



Duval
1967

DUVAL DRILLING SUMMARY

<u>Rotary Drill Hole No.</u>	<u>Location</u>	<u>Remarks</u>
1	Contention Area	weak mineralization, ore below Novaculite
2	So. Tranquility	weak mineralization, ore in Novaculite
3A	Contention Area	weak mineralization, low-grade ore in silty quartz sandstone
3	Contention Area	Los Hole in Novaculite
4	Contention Area	weak mineralization
5	Silver Thread Area	weak mineralization, last hole in stope
6	So. Tranquility	weak mineralization, ore in siltstone, shale, meta siltstone member
7	No. Empire	weak mineralization
8	E. Empire	weak mineralization
9	E. Empire	very weak mineraliz- ation

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coord. : N	BEARING -	HOLE N° <u>DD1 1</u>
E	INCL. Vert	COLLAR ELEV.
START 5/9/67	COMPL. 5/12/67	DEPTH 247'

DESCRIPTION	Geol.	Assay	INT.	PPM	%	%	%	Au ^{oz}	Ag ^{oz}	EQUV.	GROUPING - RMKS.
0-10': META CLAYST. Lt gry-buff. Mic. V hard. W vfg py lim. 20% calc vfg lt brn ss.											Air Hammer Drilled -5+" hole.
			10	55				.005	.14		
10-40': LS. V lt gry wht. Finely xline. Med. Minor Meta Clayst. Gry ls belo 20'. W 30% Meta Clayst belo 30' w slight incr lim stain.											25'
			10	21				.005	.09		
			10	14				.003	.12		
40-70': SLTST. Rd brn; minor lt brn wht-tan. Vfg. Med hard. Deep rd orng, vfg sndy belo 60', w 5% lt yel brn silfd sltst. Cal som frac. 1/64" blk ? vnlt notd loc.											50'
			10	20				.002	.01		
			10	29				.002	.01		
70-80': META SLTST/CLAYST. Lt brns; minor dk gry brn. Mic-vfg. V hard, silfd. Some clayst shows vfg rexl. Sltst loc vfg sndy.											Som of 70-80' sample is sluff. 75'
			10	50	24			.004	.01		
80-100': 80% SLTST; other units as abov. Gry-dk brn, som rd brn; grnsh gry btm 1/2. Vfg. Med hard, not as indurated as abov. blu coating som frac.											100'
			10	16				.014	.02		
			10	30	15			.003	.04		
100-120': SLTST. Tan-brn. Vfg-mic. Med, few hard. Few Meta Clayst lik 70', Vf spts & coats blk mnl notd freq.											125'
			10	80	20			.005	.03		
			10	60	23			.002	.04		
120-140': META CLAYST. V lt gry wht-brn, v lt brnsh wht btm 1/2.											

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING	HOLE N° <u>RDE 1</u>
E	INCL.	COLLAR ELEV.
START	COMPL.	DEPTH <u>247'</u>

DESCRIPTION	Geol.	Assay	T. R	%	PPM	%	%	Au	Ag	EQUV.	GROUPING - RMKS.
Mic, showing som rexl. V hard. 20% SLTST units as abov.			10		63			.002	.09		
			10	60	52			.002	.03		Som of 140-150' sample is sluff.
140-175': META SLTST/CLAYST. Brn, lt gry wht, som gry & lt grn gry; rd brn units w depth. Vfg-mic. Hard-v hard. Some Meta Clayst shows vfg rexl. Sltst Loc vfg sndy. Rd brn & yel brn lim com. Blu ? com on frac; oc 1/64" vnltz dk blu blk ? notd.			10	70				Nil	.05		150'
			10	50				Nil	.03		Wet sample 160-170' prob som is sluff.
			10					Nil	.06		Wet sample 170-180'
			10					Nil	.08		175'
175-195': NOVACULITE dom. Lt brn wht, lt yel wht. Mic. V hard looks lik qz w yel lim. 10% sltst & clyst sim to abov. Specs blu-blk ? com. 1 piece metallic blk ? notd.			10					Nil	.16		"A" = sand blown from hole.
			10	90				.007	.18		
195-205': META SLTST/CLAYST. Tan-lt yel brn. Vfg-mic. Hard-v hard. Clayst bdrs novaculite b shows vfg rexl. Blu ? coat som frac. Met allic rd brn lim notd.			10	20				.043	.21		200'
			10	50				.034	.18		
205-235': META SLTST/CLAYST sim to abov, b shly & w med grn gry-brn gry dom. Coarse cuttings. Few frags w yel brn lim. Mic calc material pres.			10					.009	.10		
			10					Nil	.16		225'
235-247': META SLTST/CLAYST. Tan dom, other colors pres. Mic-vfg. Hard-v hard. 5% wht vfg qtzt. Mic calc material pres. Blu ? pres to btm.			10					Nil	.33		
			7					.017	.28		
											247' T.D. 247-251' = void

48' @ 50' Avg 10 Ag

11.63 Ag
1.68
13.31 Ag

DUVAL CORPORATION
COPPER DIVISION — ESPERANZA PROPERTY
SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

MAY 19, 1967

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

BEAKER NOS.	MARKS, ETC.	SAMPLE	Au	Ag			
		GMS.	Oz/Ton				
	TOM - 1 - 140 - 150		nil	.05			
	160		nil	.03			
	170		nil	.06			
	180		nil	.08			
	180A		nil	.16			
	190		.007	.18			
	200		.043	.21			
	210		.034	.18			
	220		.009	.10			
	230		nil	.16			
	240		nil	.33			
	247 B'T'M.		.017	.28			

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombatone

Coörd. : N	BEARING -	HOLE N° RDH 2
E	INCL. Vert	COLLAR ELEV.
START 5/11/67	COMPL. 5/13/67	DEPTH 250'

DESCRIPTION	Grain	Ave	INT.	C/R	%	%	%	%	Au ^{oz}	Ag ^{oz}	EQUV%	GROUPING—RMKS.
0-10': Most is overburden.												Air Hammer Drilled -5+" hole.
									Nil	.11		
10-15': <u>SLTST</u> dom. Rd brn. Vfg. Med hard. $\frac{1}{64}$ " metallic blu? vnltis notd. Wk calc.									Nil	.12		0-40' w much sluff
15-40': <u>META SLTST/CLAYST</u> . Lt brn wht, brn, som rd brn & gry. Vfg-mic. Med hard-v hard; wk-st indurated. Wk calc. Metallic blu ? com on frac. Btm 10' w 10% vfg <u>ARGLS QZ SS</u> ; wht-lt yel brn, lt brn.									Nil	.05		25'
40-55': <u>SLTST/SH</u> . Lt blu gry. Mic. Soft. Non calc. Rd brn lim loc diss & som frac.									.007	.14		
									.007	.27		50'
55-60': <u>META SLTST/CLAYST</u> , sim to abov.									.007	.28		Prob much sluff 60-70'.
60-85': <u>META CLAYST</u> , minor <u>META SLTST</u> . Med gry dom, w som lt gry wht, lt brn wht, & lt grn gry. Mic, som showing rexl. V hard. V coarse "cuttings". Minor wht clayst. Lim thus far gen wk-v wk. Few pieces cal notd loc.									.004	.27		Vfg part ox py notd thruout.
									Nil	.08		75'
85-105': As abov, b dk gry dom; som wht notd. Rd brn lim notd som frac.									Nil	.04		
									Nil	.03		100'
105-135': Sim to abov, b most v st silfd, loc bdring novaculite. Lt gry, lt brn wht, lt brn. Mic. Coarse cuttings, ie, well frac rk. 1 frag hard consol bx notd. 5% vari-clrd chert frags. Wk lim som frac. Mn dend som frac. Metallic blu ? coating notd loc.									.010	.70		
									.024	.90		125'

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° RDM 2
E	INCL. Vert	COLLAR ELEV.
START	COMPL.	DEPTH 250'

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	oz.		% EQUV.	GROUPING - RMKS.
									Au	Ag		
			10							.015	.40	
135-155': <u>NOVACULITE</u> dom. Lt tan wht. Mic. V hard. 15% mod indurated <u>META SLTST</u> to 140'. Rd brn. Vfg. Med hard-hard. Other clrs <u>META CLAYST</u> as uphol. Mod abun yel brn, brn rd, & blk lim.			10							.024	.40	
			10							.040	1.50	150'
155-175': <u>META SLTST /CLAYST</u> . Coarse cuttings. Brn, lt rd brn, lt grn' brn. Vfg. Hard-v hard. 20% v st silfd units as abov. Minor wht <u>SLTST</u> w vfg diss lim.			10							.011	.50	
			10							.001	.20	Ch to rockbit @ 175'
175-230': 80% is cherty units grdg <u>NOVACULITE</u> as 135'. Tan-wht dom; few yel brn, lav, brn, rd brn, etc-poss called multi-clrd <u>CHT</u> by som. <u>META SLTST/CLAYST</u> as abov. Vfg rd brn lim com on frac. Blu blk ? notd loc. Wkly calc. <u>META SLTST</u> dom 195-205': coarse cuttings=tan, lt brn; vfg; med hard-hard. Wht-lt gry " <u>NOVACULITE</u> " dom 205-220'.			10							Nil	.18	
			10							Nil	.18	Prob sluff 190-200'
			10							Nil	.28	200'
			10							Nil	.37	
			10							Nil	.40	
			10							Nil	.38	225'
230-250': 30% "multi-clrd" " <u>CHT</u> " as abov, decr w depth. Most units less silfd,= <u>META SLTST/CLAYST</u> var. Dk gry-gry brn dom, w lt brn wht, rd brn, lt yel wht. Vfg-mic. Med-hard. Abun rd brn lim on frac & diss. Mod blu-blk? loc. Gen ster rd brn lim than abov.			10							Nil	.28	230 A
			10							Nil	.26	
			10							Nil	.44	250' T.D.

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° RDH 3
E	INCL. Vert	COLLAR ELEV.
START 5/12/67	COMPL. 5/13/67	DEPTH 97'

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	OZ.		EQUV.	GROUPING - RMKS.
									Au	Ag		
0-15': Rd brn <u>SLTST</u> , wht <u>CLAYST</u> (as belo), wht <u>ARGLS QZ SS</u> , prob from overburden.										.003	.16	Air Hammer Drilled - 5+'' hole.
15-25': <u>FELDS QTZT</u> , grdg <u>META SLTST</u> w finer g size, =75%. Lt gry. Vfg-mic. V hard. Few pieces dk grn w st dev vfg ep. Med grn <u>META SLTST</u> =15%; hard; shows some feld rexl. <u>SLTY CLAYST</u> . Lt gry wht. Vfg. Med-soft; may be intense arglzd dike rk in part; matrix calc; w vfg diss indig py lim. Mn dend som frac. Few frag qz w blk amorph mnl. Loc mod yel-brn lim stain. Few vfg cal xls.										Nil	.03	25'
										Nil	.04	
											Nil	
25-40': " <u>NOVACULITE</u> ". Lt-med gry. Mic; even tex. V hard. 20% <u>META SLTST</u> as uphole-name prob of alt & g size. Few frags wk calc.										Nil	.03	50'
										Nil	.02	
40-60': <u>META SLTST/CLAYST</u> . Med-dk gry w lt gry, few med brn. Gen mic. V hard. W mod indig py lim. 10% vfg <u>FELDS QTZT</u> as uphole. Lter clrd var Clayst grd w novaculite=70% to 50'. FF 50' w 30% dk gry <u>SLTST</u> . Vfg. Med. Blu blk mnl notd loc on frac.										Nil	.01	75'
										Nil	.04	
											Nil	
60-70': <u>META SLTST</u> , grdg <u>FELDS QTZT</u> & <u>NOVACULITE</u> as uphol depending on ° alt & g size. Lt gry, few med gry. Vfg-mic. V hard. Few pieces cal pres.										Nil	.04	97' T.D. Hole bottomed in void 97-108'.
70-85': <u>META SLTST/CLAYST</u> . Brn wht, lt gry wht dom, w som dk gry, lt grn wht. Mic-vfg. Hard-V hard; gen mod indurated & mod-st calc. St brn clr top 10' due to abun lim. Clayst gen w abun mn dend, vfg diss indig py lim pseudo, & blu blk ? som frac.												

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coord. : N	BEARING -	HOLE N° <u>RDH 3A</u>
E	INCL. Vert	COLLAR ELEV.
START 5/13/67	COMPL. 5/17/67	DEPTH <u>250'</u>

DESCRIPTION	Geol.	Assay	INT.	%R	%	%	%	%	A _v ^{oz}	A _g ^{oz}	%EQUIV.	GROUPING - RMKS
0-8': <u>META SLTST/CLAYST</u> . Lt brn wht, brn, gry, rd brn. Vfg-mic. Hard-v hard.									Nil	.26		Air rock bit drilled-5+" hole.
8-20': <u>SLTST/SH</u> . Lt-dk gry to lt grn gry. Vfg-mic. Med. Non-calc b w few pieces cal. 15% Meta Seds as abov. Blu? coat som frac.									Nil	.02		
20-35': <u>META SLTST</u> , grdg <u>ARGLS QTZT</u> . Lt gry. Vfg. V hard. Wk py lim som frac.									Nil	.04		25'
35-40': <u>SLTST/SH</u> dom. Dk gry. Vfg-mic. Med. 30% <u>META SEDS</u> sim to abov. Abun cal.									Nil	.02		
40-65': <u>SLTST</u> dom, loc grdg <u>CLAY -ST</u> . V lt grn wht. Vfg. Soft, bent. Grn, brn, dk gry <u>SLTST</u> dom belo 50'. 10% <u>META SLTST</u> . Lt gry. Vfg. V ha rd. 10% <u>QZ SS</u> . Wht. Vfg. Soft. Mtrx wk-mod calc thruout; som of cal is in minute veinlets. Blu blk? notd freq.									.001	.05		50'
65-85': <u>META SLTST/CLAYST</u> . Lt gry dom, w lt brn wht, brn gry. Vfg-mic. V hard; mod indur. Minor Slstst/Clayst as uphol. Brn Mn dend com. Wk calc. Blu blk? notd loc.									.002	.04		75'
85-100': <u>SLTST/SH</u> dom. Lt-med gry & gry brn; few lt grn & lt grn wht. Vfg. Med. Som is wkly calc. 10% Meta Seds.									.001	.04		100'
100-150': <u>META SLTST/CLAYST</u> . lt brn & lt yel brn dom, w som lt grn brn, to 125'; ff=lt brn wht w lt gry dom. Mic-vfg. Med hard-hard; mod indur. 20% v hard. Gen wk lim stain. Few vfg sndy units To 125' w 10% brn <u>SLTST</u> . Vfg. Med.									.003	.05		125'

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING	HOLE N° <u>RDU 3A</u>
E	INCL.	COLLAR ELEV.
START	COMPL.	DEPTH <u>250'</u>

DESCRIPTION	Geol.	Assay	INT.	%	%	%	%	Au ^{oz}	Ag ^{oz}	EQUV%	GROUPING — RMKS.
			10					.001	.10		
			10					.003	.10		
			10					.003	.13		150'
150-170': <u>LS.</u> Mottled wht-med gry; few pieces brn-gry. V finely xline. Med. Few pieces yel Arglt notd.											
			10	60				.001	.14		
			10					.001	.13		
170-185': <u>META SLTST</u> dom; som <u>META CLAYST.</u> Lt grn gry, lt gry, lt brn wht, few brn. Mib-vfg; 5% vfg sndy. Hard-v hard. Wk calc. Blu blk Mn ? com on frac. Few pieces w st rd brn-blk lim on frac.											175'
			10					.019	.07		
			10					.001	.06		
185-220': <u>SNDY SLTST</u> & vfg-fg <u>SITY QZ SS</u> dom, grd from c <u>SLTST.</u> Rd brn, brn, lt-med gry. Vfg. Med-hard. 30-50% <u>META SEDS</u> as above. Few pieces mg <u>CONG</u> notd. Few <u>SLTST.</u> Lt brn, wht. Vfg. Soft-med. Vfg diss maroon lim notd loc. Som units wk calc.											200'
			10					.002	.07		
			10					Nil	.22		
			10					Nil	.17		
220-230': Lt gry <u>SLTST</u> dom. Vfg. Med-hard; gen wk-mod indur. Som yel brn, prob due to lim. 20% units as above.											225'
			10					Nil	.20		
230-240': Like 185'. Overall lt brn wht clr dom. Gen abun brn diss lim cont.											
			10					.003	.20		
240-250': 60% is <u>SITY QZ SS.</u> Lt-med brn & rd brn, som grn gry. Vfg-fg. Med-hard. St diss rd lim. Other units as above. Som blu gry ? coat notdon frac.											250' T.D.
			10					.027	.14		

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DUVAL CORPORATION
 COPPER DIVISION — ESPERANZA PROPER...
 SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

MAY 19, 1967

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

BEAKER NOS.	MARKS, ETC.	SAMPLE	Au	Ag				
		GMS.	Oz/Ton					
	TOM 2A1 or R.D.H. 2-1		.002	.07				
	3A1		.030	1.91				
	3A2		.003	.03				
	3A3		.010	.14				
	3A4		.004	.24				
	3A5		.016	.40				
	C6-4		.005	.23				
	C6-5		.036	2.19				
	C6-6		.012	.87				
	C6-7		.008	.23				
	C6-8		.002	.09				
	D-11		nil	.02				
	G-1		.023	19.4				
	O-1		nil	.05				
	O-2		nil	.10				
	WT-1		.001	.09				
	3A-40-50		.001	.05				
	60		.002	.04				
	70		.002	.04				
	80		nil	.03				
	90		.001	.04				
	100		.001	.04				
	110		.003	.05				
	120		.001	.05				
	130		.001	.10				
	140		.003	.10				
	150		.003	.13				

DUVAL CORPORATION

CERTIFICATE OF ASSAY

MAY 23, 1967

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

BEAKER NO.	MARKS, ETC.	SAMPLE	Au	Ag			
		GMS.	Oz/Ton				
	3 A - 150 - 160		.001	.14			
	170		.001	.13			
	180		.019	.07			
	190		.001	.06			
	200		.002	.07			
	210		nil	.22			
	220		nil	.17			
	230		nil	.20			
	240		.003	.20			
	250 TD		.027	.14			

311 M.S.

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DUVAL CORPORATION

CERTIFICATE OF ASSAY

MAY 23, 1967

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

BEAKER NOS.	MARKS, ETC.	SAMPLE	Au	Ag			
		GMS.	Oz/Ton				
	TOM #4 / 0 - 10		.008	.30			
	20		.004	.08			
	30		.004	.05			
	40		.001	.06			
	50		.006	.12			
	60		.004	.17			
	70		.005	.20			
	80		.002	.14			

FORM # 355
REVISED 10-62

ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 1 of 1

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° EDII 4
E	INCL. Vert	COLLAR ELEV.
START 5/17/67	COMPL. 5/18/67	DEPTH 80'

DESCRIPTION	Geol.	Assay	INT.	RES.	%	%	%	%	A _v	A _g	%	EQUIV.	GROUPING - RMKS.
0-5': (Est.). Fill.													Air rock bit drilled-5" hole.
5-20': <u>SLTST.</u> Rd brn, lt grn wht vfg. Med. Lt rdish wht var bdr-lin vfg <u>SS.</u> Med hard; wk-mod indur. 50% <u>META SLTST/CLAYST.</u> Lt brn wht, lt yel brn. Mic-vfg. V ha rd. Grad from other units; loc vfg sndy. Blk diss vfg indig py lim loc. Sndier units w cc & cpy lim. Gen mod abun lim on frac; sim to seen on surf.									.008	.30			V c cuttings 10-20'.
									.004	.08			25'
									.004	.05			
20-35': <u>GRD DIKE.</u> Gry grn. Mic; v st alt-silfd w dest tex. Hard -v hard. 1 piece w rel bio, feld. W st silfd <u>META CLAYST</u> Walrk. Mod abun diss vfg indig blk, som rd brn lim. Abun metallic blk Mn mnl (? - brn mark on paper, lt s.g.) notd btm cntct=coatings & chunks.									.001	.06			Considerable upho sluff 35-60'. Wet samples (H ₂ O injection) 40-50'
									.006	.12			50'
35-50': <u>META CLAYST/SLTST</u> dom. Lt brn, yel brn, few wht. Mic-vfg. V hard. Minor vfg <u>SS</u> units.									.004	.17			
50-80': As abov, b grnish, brn-ish wht, & lt brn units dom; grd w & to 20% <u>QZ SS.</u> Lt brn, minor lt gry. Vfg. Med-v hard. Units gen coarser g size than abov; ie, SS's appear to incr w depth.									.005	.20			75'
									.002	.14			80' T.D.
Notes: All units gen wk calc. Hole terminated due to broken nature of ground-inability to return samples due to bit tearing out fragments instead of cutting, and inability to keep hole from sluffing due to air pressure.													

FORM # 355
REVISED 10-62

ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 1 of 1

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° PDI 5
E	INCL. Vert	COLLAR ELEV.
START 5/19/67	COMPL. 5/20/67	DEPTH 50'

DESCRIPTION	Gr.	Assay	INT.	C/R	%	%	%	%	Au	Ag	EQUV	GROUPING - RMKS.
0-8': Miscd seds & meta rks from Gila ? Fm.												Air rock bit drilled-5+" hole.
8-35': <u>SLTST/SH</u> dom. Gry blk-brn gry, lt gry. Vfg. Med-med hard. Dk brn gry & blu gry dom belo 18'. 30% <u>META SLTST/CLAYST.</u> Lt grn wht, lt brn wht, lt gry. Mic-vfg; loc wk <u>sndy</u> . Hard-v hard. Softer units wk calc. 5% vfg gry brn <u>OZ SS.</u> Med hard.	10								.002	.09		25'
	10								.002	.07		
	10								.002	.05		
	10								.002	.09		
35-50': Prob <u>META SLTST/CLAYST.</u> Lt-med gry, lt-med brn gry, lt grn gry. Mic-vfg. Med-hard; mod indur. 5% v st silfd ang mg <u>CONG.</u> Above brn gry <u>SLTST/SH</u> poss cont, b v poor samples, much sluff. Minor v hard, lt grn wht Cherty looking unit notd. Few pieces grnish wht, fg, calc <u>FELDS OZ SS.</u>	10								.002	.07		50' T.D.
	10								.002	.09		
<p>Note: Hole terminated @ 50' due to bad ground-caving & inability to return adequate sample.</p> <p>Hole drilled to 56', b last 6' lost in mud.</p>												

FORM # 355
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ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 1 of 2

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° <u>BDH 6</u>
E	INCL. Vert	COLLAR ELEV.
START <u>5/22/67</u>	COMPL. <u>5/23/67</u>	DEPTH <u>250'</u>

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	Ox.		EQUV.	GROUPING - RMKS.
									A _v	A _g		
0-19': <u>SLTST</u> dom, w som units bdrlin vfg <u>SS</u> . Rd brn dom w brn, grnsh brn. Vfg. Med; mod indur. 5% vfg-fg lt grn <u>FELDS QZ SS</u> . 5% <u>META SLTST/CLAYST</u> . Finer g units often shly. Units coarser w depth. Wk diss rd-orng lim. Mn dend com.										.002	.03	Air Hammer Drille -5+'' hole.
19-21': <u>GRD ? DIKE</u> . Lt grn. Vfg. Hard. St alt feld. Resem Meta Ss.										.002	.02	25'
21-30': Sndy units dom; bdrlin vfg <u>QZ SS</u> orc <u>SLTST</u> . Lt grn brn, lt rd brn, lt brn.										.003	.01	35-60' w v c cuttings.
30-45': Like 0-19', b units slight harder, mor indur.										.003	.02	50'
45-60': 70% =lt gry-lt grn gry <u>SLTST/SH</u> . Vfg; motld w fg wht 2nd feld?. Med-hard. Btm 10' looks rd brn due to st vfg diss lim. <u>META SLTST/CLAYST</u> . Lt brn wht. Mic-vfg. Hard. Minor <u>CLAYST</u> . Lt brn wht. Mic. Med. Com w Mn dend. Gen wk blu blk & rd lim. 50-60' w brnsh rd <u>SLTST</u> . Vfg. Med-soft.										.038	.03	Motld tex com thruout <u>SLTST-SH</u> seq.
60-70': <u>SLTST</u> . Lt gry (as abov), w abun lt yel grn. Vfg; gen w rexl feld?. Soft med. Wk lim.										.004	.01	75'
70-82': <u>SLTST/CLAYST</u> . loc <u>SHLY</u> . Brn, rd brn, lt brn wht. Vfg-mic. Med; mod indur. Blu blk lim com on frac. Mod abun py lim. Finer g units bdr <u>META CLAYST</u> var, ie ster indur, hard.										.004	.02	100'
82-100': Wk-mod indur <u>SLTST</u> dom, w som <u>CLAYST</u> . Lt gry, lt grn, lt brn wht. Vfg; freq motld. Med-loc hard. Minor <u>META CLAYST</u> units, com w Mn dend on frac. Wk yel-orng lim.										.004	.02	
100-115': As abov, b finer g, lt brn wht <u>CLAYST</u> dom. Wk yel brn lim; indig diss py lim notd loc. Mn dend com on frac. 20% =hard, mod st indur, grdg <u>META</u> var.										.003	.02	125'

FORM # 355
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ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 2 of 2

PROJECT Tombstone

Coörd. : N	BEARING	HOLE N° EDI 6
E	INCL.	COLLAR ELEV.
START	COMPL.	DEPTH 250'

DESCRIPTION	Geol.	Assay	INT.	%	%	%	%	Au ^{oz}	Ag ^{oz}	%	EQUV	GROUPING — RMKS.
115-120': <u>SLTST/SH</u> . Med gry-brn gry. Vfg, w rexl feld. Med-hard; mod-st indur.			10					.003	.02			
120-145': <u>META CLAYST/SLTST</u> . Lt grn wht dom, w lt grn gry, lt yel wht, minor wht. Mic-vfg. Hard-v hard. Wk calc; few cal notd. Btm 1/2 w 10% brn gry <u>SLTST/SH</u> lik 115', b harder.			10					.003	.02			
145-174': <u>SLTST/SH</u> dom, grdg <u>CLAYST</u> . Lt-dk brn, dk grn brn, dk brn gry, som rd brn. Vfg. Med. Minor v hard, grdg <u>META</u> var.			10					.015	.08			150'
			10					.003	.06			
			10					.004	.04			
174-190': <u>OZ SS</u> . Lt-dk brn, som rd brn; som w rd & yel alt feld. Vfg, grdg <u>SLTST</u> . Med hard. Few lt grn wht <u>SLTST</u> . Few lt brn wht <u>CLAYST</u> . Gen wk diss py lim.			10					.005	.03			175'
			10					.003	.04			180-190' w est 20' uphol sluff.
190-250': <u>META CLAYST/SLTST</u> . Lt brn wht. Mic. Hard; mod st indur. Few <u>OZ SS</u> intrbds, sim to Ss abov. Minor non-Meta <u>CLAYST</u> . Loc w wk py lim diss & on frac. 1 piece w st blk Mn (? brn mark on paper) coat. Mn dend som frac. Cuttings finer & more cherty looking, w ster py lim belo 205'; btm 10' like above 205'.			10					.004	.07			200'
			10	60				.003	.13			
			10	50				.004	.14			
Note: Good samples obtained in this hole.												225'
			10	40				.005	.14			
			10	70				.016	.19			
			10					.020	.17			250' T.D.

DUVAL CORPORATION
PER DIVISION -- ESPERANZA PROPER
SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

MAY 28, 1967

BEAKER NOS.	MARKS, ETC.	SAMPLE	Au	Ag				
		GMS.	Oz/Ton					
	TOM # 6 - 10'		.002	.03				
	20		.002	.02				
	30		.003	.01				
	40		.003	.02				
	50		.003	.02				
	60		.038	.03				
	70		.004	.01				
	80		.004	.02				
	90		.003	.02				
	100		.004	.02				
	110		.004	.02				
	120		.003	.02				
	130		.003	.02				
	140		.003	.02				
	150		.015	.08				
	160		.003	.06				
	170		.004	.04				
	180		.005	.03				
	190		.003	.04				
	200		.004	.07				
	210		.003	.13				
	220		.004	.14				
	230		.005	.14				
	240		.016	.19				
	250		.020	.17				

FORM # 355
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ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 1 of 2

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° <u>RDM 7</u>
E	INCL. Vert	COLLAR ELEV.
START <u>5/22/67</u>	COMPL. <u>5/25/67</u>	DEPTH <u>215'</u>

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	Ox.		EQUV.	GROUPING - RMKS.
									Au	Ag		
0-8': <u>SLTST/SH</u> . Dk gry, brn gry, dk grn gry. Loc w vfg feld rexl. Vfg. Med. Wk-med orng lim on frac.										.005	.07	Air Hammer drilled -5+'' hole.
8-25': As abov, w 60% lt-dk brn & grnsh brn <u>SLTST</u> , bdring vfg <u>SS</u> . Med. Vfg diss yel brn lim or poss feld rexl com.										.004	.13	25'
25-40': <u>SLTST/SH</u> . Dk blu gry. Vfg. Med. Metallic blk lim w rd brn strk som frac. Som frac w yel-brn lim.										.004	.08	
										.002	.09	
40-55': <u>SLTST/SH</u> cont, b lt brn, lt grn brn.										.005	.28	50'
55-104': <u>SH</u> . Dk blu gry. Vfg. Med hard. 10% lt grn wht units. G size incr slight w depth to 75'. 2% lt brn wht vfg <u>QZ SS</u> . Minor brn, yel, som rd brn lim on frac.										.007	.27	
										.003	.16	
										.004	.11	75'
										.004	.14	
										.004	1.12	100'
104-108': <u>CTZT</u> . Med gry. Vfg. V hard. W 1/2-1% vfg diss py. Wk vfg cpy & cc on 1/100'' qz string -ers & frac. Minor <u>CLAYST</u> . Lt gry. Mic. Soft.										.004	.33	
										.003	.06	
108-125': <u>META CLAYST/SLTST</u> . Lt brn wht, gry, lt grn gry. Mic. Hard-v hard. Minor <u>SLTST</u> . Wht. Vfg. Med:												125'

\$ 5.00
@ 500' AN
\$ 10.00

FORM # 355
 REVISED 10-62

ASSAY-GEOLOGY COMPOSITE DRILL LOG

Sheet 2 of 2

PROJECT Tombstone

Coörd. : N	BEARING	HOLE N° RDH 7
E	INCL.	COLLAR ELEV.
START	COMPL.	DEPTH 215'

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	oz.		EQUIV.	GROUPING — RMKS.
									Au	Ag		
125-132': <u>LS.</u> Motld lt-dk gry. Vf xline. Med. <u>META SLTST.</u> Lt brn wht, lt grn brn. Vfg. Med hard; mod indur. Mn dend com in Slstst.										.006	.10	
										.003	.07	
132-140': <u>META SLTST/CLAYST.</u> V sim to 108', b w blu blk dom. Mic-vfg. Hard-v hard. Few <u>SLTST.</u> Wht, lt grn gry. Vfg. Soft med-med. Vfg diss py vis in most units.										.004	.07	150'
140-158': <u>LS.</u> Blu blk. Vf xline. Med, 15% lt clrd <u>META</u> seds sim to abov, b incl lt gry <u>CHTY</u> var. Minor <u>OZ SS.</u> Lt brnish wht. Vfg-fg. Med hard.										.002	.02	
										.002	.03	
158-180': <u>SLTST/SH.</u> Med gry-blk. Mic. Med-med hard. 30% <u>META CLAYST.</u> Lt-dk grn, lt gry. Mic. V hard. Minor <u>FELDS QTZT.</u> Lt gry. Vfg, grdg from <u>SLTST.</u> Som units w 1% vfg diss py. Few wht, f xline <u>LS.</u>										.001	.04	175'
										.002	.06	
180-190': <u>LS=30%.</u> Gry-blk. Mic. Med. 50%= <u>META CLAYST.</u> Lt gry, lt grn. Mic. V hard. Com w vfg py. Som lt gry <u>SLTST.</u> Soft. Minor vfg lt brn <u>QTZT.</u>										.002	.23	200'
190-210': <u>SLTST,</u> grdg vfg <u>SS.</u> Lt brn, lt yel brn, lt-dk gry. Vfg. Med-med hard. Wk calc. Wk diss pytic lim. <u>META CLAYST,</u> incr to 50% to btm. Lt brn wht, lt grn. Mic. Hard. All units com w < 1% vfg diss py. Units gen finer g belo 200'.										.003	.32	
										.006	.56	215' T.D.
210-215': <u>HF</u> dom. Gry blk. Vfg. Hard. Vfg diss py thruout. 1 1/2" <u>Sp</u> notd. Poor sample.												
Hole bottomed in drift 215-219'.												

ASSAY-GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° RDH 8
E	INCL. Vert	COLLAR ELEV.
START 5/24/67	COMPL. 5/25/67	DEPTH 142'

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	A _v ^{oz.}	A _g ^{oz.}	% EQUIV.	GROUPING - RMKS.
0-78': <u>SLTST/SH</u> , alt w <u>META SLTST/CLAYST</u> . Brn-gry dom, w minor rd brn, lt gry, grn brn. Mic-vfg. Med- v hard, depending on silfn. Som shows vfg feld ? rexl; = brt rd on ox frac. 5-10% <u>QZTZ</u> & <u>QZ SS</u> brnish gry, lt grn, com wht-yel brn. Vfg. Hard. 1% lt grn wht <u>SLTST</u> . Blu blk Mn ? som frac; Mn dend notd loc. Frac com calc. 20-40' w 4% distinctive lt grn <u>META CLAYST</u> ; mod indur. 30-40' w minor vfg lt grn Qz Ss. Gen wk pytic lim.									.006	.01		Air hammer drilled-5+" hole. 25' 50' V poor samples to 78'; v c cuttings to 70'. Ch to clear H ₂ O injection @ 68'= improved sample 75' =80%, w/o sluff.
	10								.004	.01		
	10								.002	.12		
	10								.002	.01		
	10								.003	.01		
	10								.003	.02		
	10								.003	.01		
	10								.002	Nil .12		
78-90': <u>FELDS QZ SS</u> . Lt yel- orng brn, lt grn brn. Vfg-fg. Med hard. 20% <u>META</u> seds sim to uphol. Metallic gry ? som frac.									.002	.02		
90-100': <u>QZTZ</u> . Lt gry, lt brn wht. Vfg-fg, w few mg. V hard. Gen abun trans yel brn lim; som brn rd. Oc rel py notd. W grn ep ? in mtrx.									.003	.01		100'
100-142': <u>SLTST/SH</u> dom. Med-dk gry & brn gry, w blu blk dom. Vfg. Med. Few lt gry, lt grn, wht <u>SLTST/CLAYST</u> . Som shows vfg feld ? rexl. Few thin bds vfg brn <u>SS</u> . 5-15% <u>META</u> seds; v hard. Btm 10' w 2% cg, v hard <u>CONG</u> . Hole bottomed in drift 142-148'	10								.003	.10		
	10								.003	.16		125'

DUVAL CORPORATION
COPPER DIVISION -- ESPERANZA PROPERTY
SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

SPECIAL FOR GEOL. DEPT. (TOMBSTONE)

MAY 30, 1967

BEAKER NO.	MARKS, ETC.	SAMPLE GMS.	Au	Ag				
			Oz/Ton					
	TOM #7 - 170		.002	.03				
	180		.001	.04				
	190		.002	.06				
	200		.002	.23				
	210		.003	.32				
	215		.006	.56				
	TOM #8 - 10		.006	.01				
	20		.004	.01				
	30		.002	nil				
	40		.002	.01				
	50		.003	.01				
	60		.003	.02				
	70		.003	.01				
	80		.002	nil				
	90		.002	.02				
	100		.003	.01				
	110		.003	.10				
	120		.003	.16				
	130		.003	.04				
	140		.002	.09				
	TOM #8A - 90		.004	.06				
	100		.004	.05				
	110		.004	.04				
	120		.004	.06				
	130		.004	.09				
	140		.003	.06				
	148		.003	.16				

ASSAY—GEOLOGY COMPOSITE DRILL LOG

PROJECT Tombstone

Coörd. : N	BEARING -	HOLE N° RDH 8A
E	INCL. Vert	COLLAR ELEV.
START 5/25/67	COMPL. 5/25/67	DEPTH 148'

DESCRIPTION	Geol.	Assay	INT.	C/R	%	%	%	%	Au ^{oz.}	Ag ^{oz.}	% EQUV.	GROUPING—RMKS.
0-80': Samples not taken due to drilling date dead-line.												Air Hammer drilled-5+'' hole.
												25'
												50'
												75'
80-90': <u>SLTST</u> , grdg vfg <u>OZ SS</u> . Brn, rd brn, grn gry. Vfg. Med. 10% hard <u>META SLTST/CLAYST</u> . Lt brn, lt gry. V minor wht <u>FELDS OZ SS</u> . Wk metallic blk-rd lim som frac.									.004	.06		
90-105': <u>FELDS QTZT</u> . Wht b w abun yel lim. Vfg-fg, few w mg. Hard-v hard. V loc st vfg rd lim. 5% <u>META</u> seds.									.004	.05		100'
105-130': <u>SLTST/SH</u> . Lt-med brn-gry, lt grn gry. Vfg. Med. Vfg feld ? rexl vis loc. Minor lt brn wht, som lt grn <u>SLTST</u> . Soft med. St rd lim som frac. Grn chl ? som frac.									.004	.06		125'

DUVAL CORPORATION
 PER DIVISION — ESPERANZA PROPER
 SAHUARITA, ARIZONA

CERTIFICATE OF ASSAY

MAY 16, 1967

SPECIAL FOR GEOL. DEPT. (TOM) DUMPS

CR	MARKS, ETC.	SAMPLE	Au	Ag				
		GMS.	Oz/Ton					
	D - 1		.007	.40				
	D - 2		.036	1.80				
	D - 2A		.054	3.10	<			
	D - 2B		.004	.15				
	D - 3		.081	1.00	<			
	D - 3A		.019	1.10				
	D - 3B		.003	.30				
	D - 3C		.041	1.20	<			
	D - 3D		.115	1.10	<			
	D - 3E		.038	1.40	<			
	D - 4		.033	.50				
	D - 4A		.039	.90	<			
	D - 4B		.128	2.30	<			
	D - 5		.005	.27				
	D - 5A		.011	.70				
	D - 5B		.005	.23				
	D - 5C		.008	.24				
	D - 7		.083	1.00	<			
	D - 7A #1		.080	2.30	<			
	D - 7A #2 <i>same</i>		.035	1.00	<			
	D - 7B		.048	1.30	<			
	D - 8A		.028	1.00				
	D - 9		.033	.70				
	D - 9A		.044	1.00	<			
	D - 9B		.026	.70				
	D - 10		.019	.49				
	D - 10A		.079	1.80	<			
	D - 10B		.016	.30				

mp

AUSTRIAN OIL
1968

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas 77002

cc: W. Lundby

JOB# 002437
RECEIVED 4-25-68
REPORTED 4-26-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-1:						
0-10		Nil				
20		Nil				
30		Nil				
40		Nil				
50		Nil				
60		Nil				
70		Nil				
80		Nil				
90		Nil				
100		Nil				
110		Nil				
120		Nil				
130		Nil				
140		Nil				
150		Nil				
160		Nil.				
170		Nil				
180		Nil				
190		Nil				
200		Nil				
210		Nil		.010		
220		Nil		.005		
230		Nil		.007		
240		Nil		.005		
250		Nil		.010		
260		Nil		.055		
270		Nil		.020		
280		Nil		.010		
290		Nil		.015		
300		Nil		.015		

CHARGE \$ 75.50

30 Ag @ \$2.00: 10 Cu @ \$1.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

714

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas 77002

cc: W. Lundby

JOB# 002438
RECEIVED 4-25-68
REPORTED 4-26-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-2:						
0-10		Nil				
20		Nil				
30		Nil				
40		Nil				
50		Nil				
60		Nil				
70		Nil				
80		Nil				
90		Nil				
100		Nil				
110		Nil				
120		Nil				
130		Nil				
140		Nil				
150		Nil				
160		Nil				
170		Nil				
180		Nil				
190		Nil				
200		Nil				
210		Nil				
215		Nil				
22 Ag. @ \$2.00		Limits of detectability are 0.01 oz/Ton or approximately 3ppm.				

CHARGE \$ 44.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

TS
7/5

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

The Austral Oil Company Inc.
2700 Humble Building
Houston, Texas 77002

JOB# 002593
RECEIVED 6-4-68
REPORTED 6-7-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLY DENUM
DM# 2:							
260-270		Trace					
270-280		Trace					
280-290		Trace					
H-3:							
0 -10		Trace					
-20		Trace					
-30		Trace					
-40		Trace					
-50		Trace					
-60		.04					
-70		Trace					
-80		.08					
-90		Trace					
-100		.14					
-110		.14					
-120		.26					
-130		.12					
-140		.10					
-150		.06					
-160		.06					
-170		.04					
-180		.12					
-190		.04					
-200		.14					

CHARGE \$ 46.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas 77002

CC: Dobson

JOB# 002613
RECEIVED 6-10-68
REPORTED 6-12-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-3:						
200-210		.24				
210-220		.34				
220-230	Nil	.80				
230-240	Nil	.62				
240-250	Trace	.38				
250-260		.44				
260-270	Nil	.80				
270-280		.28				
280-290		.32				
290-300		.36				
300-310		.40				
310-320	Nil	1.20				
320-330	Nil	1.24				
330-340		.42				
340-350		.20				
350-360	Nil	2.56				
360-370		.42				
370-380	Nil	.74				
380-390	Nil	.54				
390-400	Nil	.54				
400-410		.08		.015		
410-420		.22		.010		
420-430		Trace		.009		
430-440		Trace		.012		
440-450		.23		.015		
450-460		.18		.011		
460-470		.20		.019		
470-480		.20		.010		
480-490		.06		.009		
490-500		.08		.011		

Handwritten notes and calculations:

- 0.29 (circled)
- 0.48
- 0.45 (circled)
- 0.45% Au
- 0.45% Ag
- 1.30 (circled)
- 1.22
- 0.87% Ag
- 0.31
- 0.56
- 0.55 (circled)
- 0.12% Cu
- 0.13% Ag



CHARGE \$ 98.00

.121

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

3-9 } NOTHING
OF INTEREST

3-10

206

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

JOB # 002625
RECEIVED 6-11-68
REPORTED 6-13-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-4:						
1-10		Trace				
30-40		Trace				
60-70		Trace				
90-100		Trace				
120-130		Trace				
150-160		Trace				



CHARGE \$ 12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

207

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

cc: Lundby

JOB # 002647
RECEIVED 6-14-68
REPORTED 6-19-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-4:						
180-190		Trace				
210-220		Trace				
240-250		Trace				
270-280		Trace				
290-300		Trace				

CHARGE \$ 10.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

208

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS E.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

ccx Lundby

JOB# 002644
RECEIVED 6-14-68
REPORTED 6-19-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-5:						
40-50		Trace				
90-100		.06				
140-150	T ₂	.04	0.15			
190-200		Trace				
240-250		Trace				

CHARGE \$ 10.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

209

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Tucson, Arizona

JOB# 002672
RECEIVED 6-19-68
REPORTED 6-21-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-# 6:						
0-10		.07				
40-50		Trace				
90-100		Trace				
140-150		Trace				
190-200		Trace				
240-250		Trace				



CHARGE 12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

210

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

cc: Lundby

JOB# 002675
RECEIVED 6-19-68
REPORTED 6-25-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
HH-7:						
0-10		Trace				
40-50		.04				
90-100		Trace				
140-150		Trace				
190-200		Trace				
240-250		Trace				
HH:8:						
0-10		Trace				
40-50		Trace				
90-100		Trace				



CHARGE \$ 18.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Tucson, Arizona

JOB # 002696
RECEIVED 6-26-68
REPORTED 6-27-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
HD-9:							
90-100		Trace					
130-140		Trace					



CHARGE \$ 4.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002723
RECEIVED 7-1-68
REPORTED 7-5-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-10:						
0-10		.20				
10-20		.16				
20-30		.04				
30-40		.22				
40-50		Trace				
50-60		.04				
60-70		.08				
70-80		.04				
80-90		.26				
90-100		Trace				
100-110		Trace				
110-120		Trace				
120-130		.06				
130-140		.10				
140-150		.06				
150-160		.22				
160-170	Tr	.32	0.50			
170-180		.06				
180-190		.04				
190-200		.04				
200-210		Trace				
210-220		Trace				
220-230		.04				
230-240		Trace				
240-250		Trace				
250-260		Trace				
260-270		Trace				
270-280		Trace				
280-290		Trace				
290-300		Trace				

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company

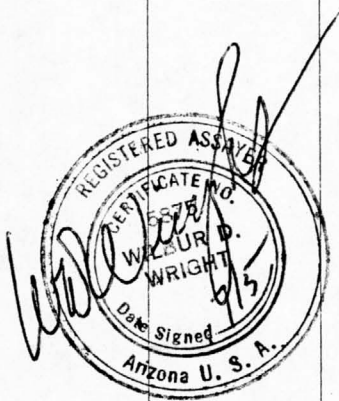
JOB # 002723 Continued

RECEIVED _____

REPORTED _____

Page 2

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-10:							
300-310		.48					
310-320		.04					
320-330		Trace					
330-340		Trace					
340-350		Trace					
350-360		.20					
360-370		.04					
370-380		.38					



CHARGE \$ 76.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

214

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002735
RECEIVED 7-2-68
REPORTED 7-5-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-10:						
380-390	Nil	.54				
390-400	Nil <i>(12)</i>	.90 <i>(0.40)</i>				
400-410		.48				
410-420		.46				
420-426	Nil	.64				



CHARGE \$ 16.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

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SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002736
RECEIVED 7-2-68
REPORTED 7-5-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-11:						
0-10		Trace				
10-20		.04				
20-30	Nil	.52				
30-40	Nil	.86				
40-50	Nil	.66				
50-60	Nil	.74				
60-70	Nil ¹²	.84				
70-80	Nil	.82				
80-90		.48				
90-100		.34				
100-110		.46				
110-120		.22				
120-130		.18				
130-140		.18				
140-150		.26				
150-160		.30				
160-170	Nil	.54				
170-180		.34				
180-190		.24				
190-200		.16				
200-210		.18				
210-220		Trace				
220-230		.16				
230-240		.20				
240-250		.08				



CHARGE \$ 64.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

216

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002772
RECEIVED 7-10-68
REPORTED 7-13-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-11 240-250		Trace					



CHARGE 2.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002737
RECEIVED 7-2-68
REPORTED 7-5-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-12:						
0-10		.02				
10-20		Trace				
20-30		Trace				
30-40		Trace				
40-50		Trace				
50-60		Trace				
60-70		Trace				
70-80		Trace				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		.08				
120-130		Trace				
130-140		Trace				
140-150		Trace				
150-160		Trace				
160-170		Trace				
170-180		Trace				
180-190		Trace				
190-200		.48				
200-210		.32				

0.15



CHARGE \$ 42.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002749
RECEIVED 7-5-68
REPORTED 7-9-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
HH-12:						
240-250		.04				
250-260		Trace				
260-270		Trace				



CHARGE 6.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

219

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002738
RECEIVED 6-2-68
REPORTED 7-8-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %	
H-13:							
0-10		.08	} 0.20		.125 35 82.3 49.5 55.775 11.892 7.667	4.86 2.243 23.30 23.44 12.44 9.72 7.591	
10-20		.22					
20-30		.20					
30-40		.16					
40-50		.36					
50-60	Nil	.84	} 0.75	<div style="border: 1px solid black; padding: 5px; display: inline-block;"> <p>Jacob's T₂ - 0.80 0.18 - 5.20 0.54 - 10.75 0.03 - 1.30</p> </div>			
60-70	.012	.71					
70-80	.165	4.86				10.06 2.245 5.030 4.024 4.024 1.2	
80-90	.520	10.06				35 52 20 175 1020	
90-100	.140	1.26					
100-110	.020 ^{0.05}	.84 ^{0.95}					
110-120	.010	.46	} 0.63				5.071 18.70 43.27
120-130	.010	.60					
130-140		.32	} 0.28				
140-150		.24					
150-160		.12	} 0.11				
160-170		.10					
170-180		.48	} 0.59				
180-190	.010 ^{0.005}	.69					
190-200		.06	} 0.08				
200-210		.08					
210-220		.10					
220-230		No sample					
230-240		.06					
240-250		.08					



CHARGE \$ 64.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002750
RECEIVED 7-5-68
REPORTED 7-9-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
HH-14:						
0-10		.18				
10-20		Trace				
20-30		.06				
30-40		Trace				
40-50		Trace				
50-60		.44				
60-70		.42				
70-80		.26				
80-90		.06				
90-100	(12)	.18 (0.30)				
100-110		.16				
110-120		.08				
120-130		.03				
130-140		.06				
140-150		.04				
150-160		Trace				
160-170		.08				
170-180		Trace				
180-190		Trace				
190-200		Trace				
200-210		Trace				
210-220		Trace				
220-230		Trace				
230-240		Trace				
240-250		Trace				



CHARGE \$50.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

221

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

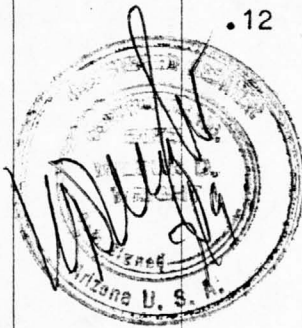
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 0027600
RECEIVED 7-8-68
REPORTED 7-9-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
HH-15:						
0-10		Trace				
10-20		.04				
20-30		.04				
30-40		.06				
40-50		.04				
50-60		.06				
60-70		Trace				
70-80		Trace				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		.04				
120-130		Trace				
130-140		.06				
140-150		Trace				
150-160		.06				
160-170		.04				
170-180		.08				
180-190		.10				
190-200		Trace				
200-210		.22				
210-220		.12				



CHARGE \$ 44.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

222

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002773
RECEIVED 7-10-68
REPORTED 7-13-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-15:						
220-230		.22				
230-240		.18				
240-250		.18				



CHARGE \$ 6.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

223

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002757
RECEIVED 7-8-68
REPORTED 7-9-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
HH-16:							
0-10		Trace					
10-20		Trace					
20-30		Trace					
30-40		Trace					
40-50		Trace					
50-60		.08					
60-70		Trace					
70-80		Trace					



CHARGE 16.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002774
RECEIVED 7-10-68
REPORTED 7-14-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-16:80-90		.06				
90-100		.20				
100-110		Trace				
110-120		.04				
120-130		.06				
130-140		Trace				
140-150	<i>Tr</i>	.10 <i>(0.10)</i>				
150-160		.14				
160-170	.012	7.69				



CHARGE \$ 20.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

225

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

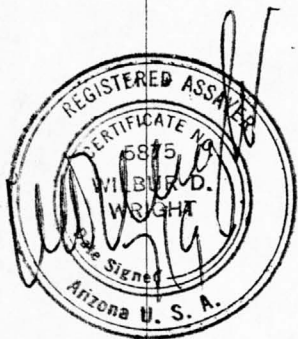
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002758
RECEIVED 7-8-68
REPORTED 7-9-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
HH-17:							
0-10		.04					
10-20		.10					
20-30		Trace					
30-40		Trace					
40-50		Trace					
50-60		Trace					
60-70		Trace					
70-80		Trace					
80-90		.08					



CHARGE \$ 18.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

226

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002775
RECEIVED 7-10-68
REPORTED 7-14-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-17:						
80-90		Trace				
90-100		.16				
100-110		.24				
110-120		.06				
120-130		.22				
130-140		.30				
140-150	72	.14	0.30			
150-160		.08				
160-170		.06				
170-180		.10				
180-190		.18				
190-200		.14				
206-210		.06	(This was a small bag of wet material inside of 200-210)			
200-210		.08				
210-220		.12				
220-230		.04				
230-240		Trace				
240-250		Trace				
250-260		Trace				
280-285		.04				



CHARGE \$ 40.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

227

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002776
RECEIVED 7-10-68
REPORTED 7-14-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-18:						
0-10		.08				
10-20		Trace				
20-30-		Trace				
30-40		Trace				
40-50		Trace				
50-60		Trace				
60-70		Trace				
70-80		Trace				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		Trace				
120-130		Trace				
130-140		.16				
140-150		.24				
150-160	72	.35				
160-170		.22				
170-180		Trace				
180-190		Trace				
190-200		.04				
200-210		Trace				
210-220		Trace				
220-230		Trace				
230-240		Trace				
240-250		.14				
250-260		Trace				
260-270		Trace				
270-280		Trace				
280-290		Trace				
290-300		Trace				

72
}
0.24
0.55

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

228

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company

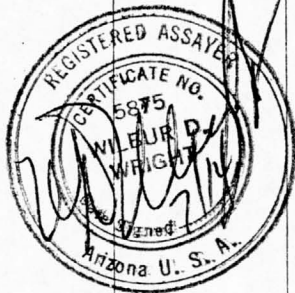
Page # 2

JOB # 002776 Continued

RECEIVED _____

REPORTED _____

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-18: 300-310		Trace					
310- 313 313		Trace					



CHARGE \$ 64.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

229

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002781
RECEIVED 7-11-68
REPORTED 7-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-19:							
0-10		Trace					
10-20		Trace					
20-30		Trace					
30-40		Trace					
40-50		Trace					
50-60		Trace					
60-70		Trace					
70-80		Trace					
80-90		Trace					
90-100		Trace					
100-110		Trace					
110-120		Trace					
120-130		Trace					
130-140		Trace					
140-150		Trace					
150-160	Nil	.80					
160-170		Trace					
170-180		Trace					
180-190		Trace					
190-200		Trace					
200-210		Trace					
210-220		Trace					
220-230		Trace					
230-240		Trace					
240-250		Trace					
250-260		Trace					
260-270		Trace					
270-280		Trace					
280-290		Trace					
290-300		Trace					

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

230

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company

JOB # 002781 Continued

RECEIVED _____

REPORTED _____

Page # 2

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
H-19:						
300-310		Trace				
310-320		Trace				
320-330		.14				
330-340		Trace				
340-350		.12	0.17			
350-360		.22				
360-370		.04	0.05			
370-380		.08				
380-390		.04	0.45			
390-400	Tr	32		60		
400-410		.22	0.30	40		
410-420		.34		32		
420-430		.30		20		
430-440	No Sample					
440-450-		.08		20		
450-460		.06		24		
460-470		.06		16		
470-480		.20		16		
480-490		.08		12		



CHARGE \$ 116.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

231

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

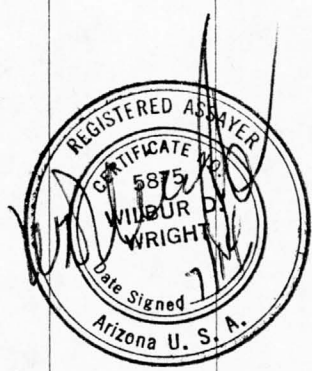
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002777
RECEIVED 7-10-68
REPORTED 7-14-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-20:						
0-10		Trace				
10-20		Trace				
20-30		Trace				
30-40		.06				
40-50		Trace				
50-60		Trace				
60-70		Trace				
70-80		.08				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		.06				
120-130		Trace				
130-140		Trace				
140-150		.16				
150-160		.06				
160-170		.14				
170-180		.06				
180-190		.08				
190-200		.10				
200-210		Trace				
210-220		Trace				
220-230		.06				
230-240		Trace				
240-250		Trace				
250-260		.08				
260-270		Trace				
270-280		Trace				
280-290		Trace				
290-300		Trace				



CHARGE \$ 60.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

232

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002782
RECEIVED 7-11-68
REPORTED 7-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-21:							
0-10		.16					
10-20		.18					
20-30		.12					
30-40		Trace					
40-50		.10					
50-60		.04					
60-70		Trace					
70-80		Trace					
80-90		Trace					
90-100		.06					
100-110		.04					
110-120		.04					
120-130		Trace					
130-140		Trace					
140-150		Trace					
150-160		Trace					
160-170		.08					
170-180		.06					
180-190		Trace					
190-200		Trace					
200-210		Trace					
210-220		Trace					
220-230		Trace					
230-240		Trace					
240-250		Trace					
250-260		Trace					
260-270		Trace					



CHARGE \$ 54.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

233

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002783
RECEIVED 7-15-68
REPORTED 8-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-22:							
0-10		Trace					
10-20		Trace					
20-30		Trace					
30-40		Trace					
40-50		Trace					
50-60		Trace					
60-70		Trace					
70-80		Trace					
80-90		Trace					
90-100		.04					
100-110		.02					
110-120		.08					
120-130		Trace					
130-140		Trace					
140-150		Trace					
150-160		.06					
160-170		.04					
170-180		.16					
180-190		Trace					
190-200		Trace					
200-210		k04					
210-220		Trace					
220-230		Trace					
230-240		Trace					
240-250		Trace					
250-260		Trace					
260-270		Trace					
270-280		.06					
280-290		.04					



CHARGE \$ 58.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002790
RECEIVED 7-12-68
REPORTED 7-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-23:						
0-10		.46				
10-20		.34				
20-30		.42				
30-40		.38				
40-50		.48				
50-60		.30				
60-70	Nil ^{T2}	1.16 - <u>1.30</u>				
70-80	Nil	1.00				
80-90	Nil	.58				
90-100		.32				
100-110		.36				
110-120		.34				
120-130		.24				
130-140		.22				
140-150		.24				
150-160		.28				
160-170		.20				
170-180		.10				
180-190		.08				
190-200		.34				
200-207	^{T2}	.40 - <u>0.65</u>				



CHARGE \$ 42.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

235

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002791
RECEIVED 7-12-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-24:						
0-10		Trace				
10-20		Trace				
20-30		Trace				
30-40		Trace				
40-50		Trace				
50-60		Trace				
60-70		Trace				
70-80		Trace				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		Trace				
120-130		Trace				
130-140		Trace				
140-150		.20				
150-160		.18				
160-170		Trace				
170-180		Trace				
180-190		Trace				
190-200		.10				
200-210		.12				
210-220		.08				
220-230		.08				
230-240		.16				
240-250		.10				
250-260		.08				
260-270		.12				



CHARGE \$ 54.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

236

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

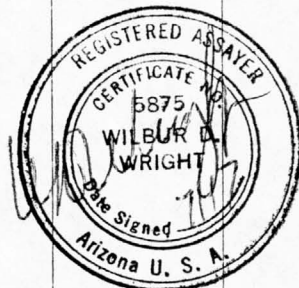
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002810
RECEIVED 7-15-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
H-26: H-25 0-10		TRace					
10-20		Trace					
20-30		Trace					
30-40		Trace					
40-50		Trace					
50-60		Trace					
60-70		.06					
70-80		Trace					
80-90		Trace					
90-100		Trace					
100-110		Trace					
110-120		Trace					
120-130		Trace					
130-140		Trace					
140-150		Trace					
150-160		Trace					
160-170		Trace					
170-180		Trace					
180-190		Trace					
190-200		.08					
200-210		Trace					
210-220		Trace					
220-230		Trace					
230-240		.06					
240-250		.06					
250-260		Trace					
260-270		.04					
270-280		Trace					
280-290		Trace					



CHARGE 58.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002792
RECEIVED 7-12-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-26 H-26:						
0-10		Trace				
10-20		Trace				
20-30		Trace				
30-40		Trace				
40-50		Trace				
50-60		Trace				
60-70		Trace				
70-80		Trace				
80-90		Trace				
90-100		Trace				
100-110		Trace				
110-120		Trace				
120-130		Trace				
130-140		Trace				
140-150		.04				
150-160		.04				
160-170		Trace				
170-180		Trace				
180-190		Trace				
190-200		Trace				
200-210		Trace				
210-220		Trace				
220-230		Trace				
230-240		Trace				
240-250		Trace				
250-260		Trace				
260-270		Trace				
270-280		Trace				
280-290		Trace				
290-300		Trace				

CHARGE _____

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

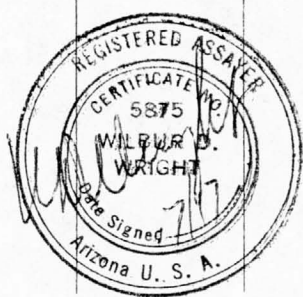
710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company

Page # 2

JOB # 002792 Continued
RECEIVED _____
REPORTED _____

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
H-26:						
300-310		.04				
310-320		Trace	T ₂			
320-330		Trace				
330-340		Trace				
340-350		Trace				
350-360		Trace				
360-370		Trace				
370-380		.36				
380-390		.12	0.19			
390-400		.10		28		
400-410	Nil	2.10		36		
410-420	Nil ^{ops}	3.02	2.90 2.56	104		
420-430	Nil	.90	0.90	140		
430-440		.30	0.30	32		
440-450		.08		24		
450-460		.06		20		
460-470		.10	0.07	22		
470-480		.08		.20		
480-490		.04		16		
490-500		.08		16		



CHARGE \$ 128.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humole Building
Houston, Texas

JOB# 002811
RECEIVED 7-15-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-27:						
0-10		Trace				
10-20		Trace				
20-30		.04				
30-40		.06				
40-50		.32				
50-60		.24				
60-70	Nil	.68				
70-80		.30				
80-90		.24				
90-100		.18				
100-110		.16				
110-120		.08				
120-130		.20				
130-140	Nil <i>Tr</i>	.72	<i>0.60</i>			
140-150		.36				
150-160		.30				
160-170		.04				
170-180		Trace				
180-190		Trace				
190-200		.04				



CHARGE \$ 40.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002812
RECEIVED 7-15-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-28:						
0-10		Trace				
10-20		Trace				
20-30		Trace				
30-40		.06				
40-50		.04				
50-60		.32				
60-70		.16				
70-80		.08				
80-90		.10				
90-100		.06				
100-110		.08				
110-120		.04				
120-130		.18				



CHARGE \$ 26.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

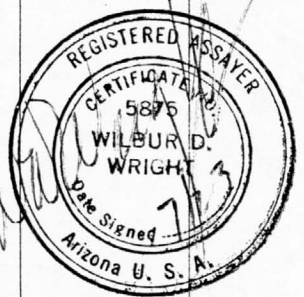
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002834
RECEIVED 7-19-68
REPORTED 7-23-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-28:						
130-140		.08				
140-150		.12				
150-160		.28				
160-170		.22				
170-180		Trace				
180-190		.10				
190-200		.20				
200-210		.08				
210-220		.36				
220-230		.34				



CHARGE \$ 20.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

242

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

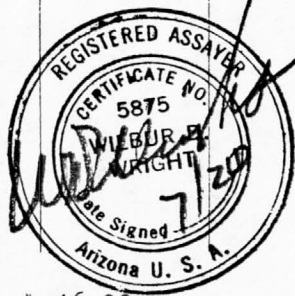
710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002820
RECEIVED 7-17-68
REPORTED 7-20-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-29:						
0-10		Trace				
10-20		Trace				
20-30		Trace				
30-40		Trace				
40-50		.06				
50-60		.10				
60-70		.16				
70-80		.08				
80-90		.04				
90-100		.18				
100-110		.16				
110-120		.10				
120-130		.06				
130-140		.04				
140-150		.30				
150-160		.18				
160-170		.20				
170+180		.12				
180-190		.10				
190-200		.08				
200-210		.20				
210-220		.36				
220-227		.12	(Hit Water)			
227-235		.06				

0.30



CHARGE \$ 46.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

243

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

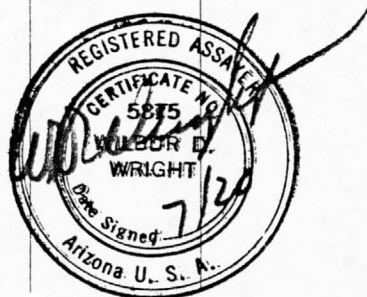
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002821
RECEIVED 8-17-68
REPORTED 7-20-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
H-30:						
0-10		.08				
10-20		.10				
20-30		.22				
30-40		.30				
40-50		.22				
50-60		.20				
60-70		.08				
70-80		.10				
80-90		.10				
90-100		.26				
100-110	Tr	.28	0.35			
110-120		.08				
120-130		.08				
130-140		.28				
140-150		.06				
150-160		.08				
160-170		.06				
170-180		.04				
180-190		.08				
190-200		.06				
200-210		.10				
210-220		Trace				
220-230		.06				
230-240		.04				
240-250		.08				
250-260		Trace				
260-270		Trace				
280-280		.04				



CHARGE \$ 56.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

P. O. BOX 1889
30 S. MAIN ST.

DUPLICATE

Certificate No. 58396



Jacobs Assay Office

PHONE MA 2-0813

Registered Assayers

TUCSON, ARIZONA

July 27th 1968

Sample Submitted by Mr. Central Oil Company

SAMPLE MARKED	X	OZS-PER TON ORE		SAMPLE MARKED	X	OZS-PER TON ORE	
		Ag.	Ag.			Ag.	Ag.
H-3- 240-250		Trace	0.45	H-13- 100-110	✓	0.005	0.95
310-320		Trace	1.50	H-14- 90-100	✓	Trace	0.50
330-400		Trace	0.55	H-15- 140-150		Trace	0.10
H-5- 140-150		Trace	0.15	H-17- 140-150		Trace	0.50
H-10- 140-170		Trace	0.50	H-18- 150-160		Trace	0.55
330-400	✓	Trace	0.40	H-19- 350-400	✓	Trace	0.45
H-11- 60-70		Trace	0.55	H-23- 60-70		Trace	1.50
H-12- 170-200		Trace	0.15	- 200- 207	✓	Trace	0.65
H-13- 60-70		Trace	0.20	H-25- 410-420	✓	0.005	2.90
70-80		0.18	5.20	H-27- 150-140	✓	Trace	0.60
80-90		0.54	10.75	H-29- 140-150		Trace	0.50
90-100		0.03	1.50	H-30- 100-110		Trace	0.35



Very respectfully,

Ben P. Jacobs

Charges \$ 72.00

check assays

WEST RANGE COMPANY

Started 5/9/68 Completed _____ PROJECT Tombstone D.H. No. DD-1 Collar elev. _____
 Logged by WZ Bearing East Dip -45° Sheet 1 of 3

HOLE SIZE	RECOVERY	STRUCTURE	CH. MO.		MINERALIZATION	ALTERATION	ROCK TYPE	
			Au	Ag				
0% (Rock Bit)								
95%	10				10'	10'	10'	
92%	12	Mod. Fe-st. on fract.	Au	Ag	Zones of mod. Fe-st. on fract. - (gen. wk. Fe-st. on fract.) Rock	Rel. fresh - supergene alt'n. in broken zones		Uncle Sam phosphate
145								
18								
22								
70%	22	Broken; alt'd. (some alt'n.)			26'			
77%	25							
86%	30							
100%	32							
100%	36	32.3' - 45° contact (4m.v.)						32.3'
92	42							Androsite like - (rel. mod. m. - 2.5)
100%	47	47.0' - contact @ 60° sm.v.	0	0.44				
100	52							
100%	58							
100%	60							
80%	62							
100%	64	63.5' - 1/4" vuggy Ca CO ₃ v. 77.						
100%	67							
91%	76							
98%	82							
88%	87		0	Tr.				
100%								87'

Rock Bit

7 X 1/2 N X 1/2

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DD-1 Collar elev. _____
 Logged by WLE Bearing _____ Dip _____ Sheet 2 of 3

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
	100%						
	92						
	96%						
	99						
	98%						
	104						
	70%						
	106						
	100%						
	109						
	65%						
	111						
	63%						
	115						
	53%						
	119						
	97%						
	122						
	18%						
	126						
	40%						
	132						
	18%						
	136						
	55%						
	138						
	63%						
	141						
	53%						
	144						
	87%						
	147						
	48%						
	152						
	40%						
	155						
	43%						
	157						
	80%						
	160						
	85%						
	168						
	48%						
	172						
	72%						
	177						
	84%						

7 IN X 1/2

109 } Mod/ly broken & alt'd.
115 }

126 } Sst, int. alt'd.
132 } broken - 1/2 dk. br. @ 126.2'

Mod/ly broken

134' wk. - mod. calcite vng. (gen. - 1/8")

Andesite (?)

98' Ucle Sam Populm

134' Bisbee fm. (1/8" calcite, etc)

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DD-1 Collar elev. _____
 Logged by WL Bearing _____ Dip _____ Sheet 3 of 3

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
NXWL	84% 182	182' - 6" br.	<u>Alc</u>	<u>Aa</u>			
	15%		⊕	Tr.			
	40% 192	192' Int. broken + srd.	⊕	Tr.	192' fine or dissemi. [oxid Fe ₂ O ₃ (?)]	192' Int. srd.	
	40% 200						
	30% 203	203'	⊕	Tr.	203'	203'	
	80% 206	206' - 207' mostly broken	⊕	Tr.			
	23% 207						
	50% 211	211' - 216' finely brd. + int. srd.	⊕	Tr.	216' wk. mod. oxid. Fe ₂ O ₃ (?) - only Fe-ox remains. No s. visible	216' Int. srd. - wk. fine qtz vng.	
	25% 212		⊕	.14			
	60% 215		⊕	Tr.			
18% 222							
24% 227		⊕	.12				
73% 230							
30% 236							
25% 239							
53% 242	241' wkly. to modly broken.	1003	.10	241'	241'	241'	
63% 246							
75% 248							
90% 250							
65% 251							
100% 252					Bottom of hole - (into old workings)		

BXWL

241'
d.
0314

753

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Austral Oil Company
2700 Humble Building
Houston, Texas

cc: Lundby

JOB # 002512
RECEIVED 5-14-68
REPORTED 5-14-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DD-1: 80-90	Nil	Trace				

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

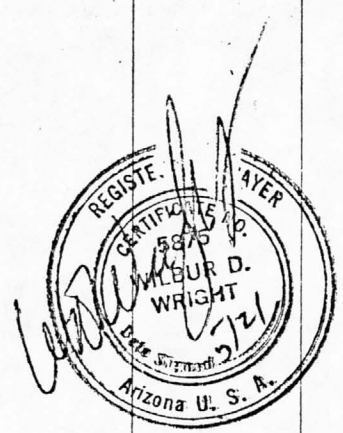
Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

ccx B. Lundby

JOB # 002535
RECEIVED 5-20-68
REPORTED 5-21-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DD-1:						
40-50	Nil	.44				
90-100	Nil	.12				
100-110	Nil	Trace				
110-119	Nil	Trace				
119-122	Nil	Trace				
122-126	Nil	Trace				
126-132	Nil	Trace				
132-136	Nil	.08				
136-144	Nil	.06				
144-147	Nil	Trace				
147-150	Nil	.10				
150-157	Nil	Trace				
157-160	Nil	.22				
160-170	Nil	.18				
170-180	Nil	Trace				

0.04
0.20



CHARGE \$ 56.25

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas 77002

JOB # 002541
RECEIVED 5-21-68
REPORTED 5-24-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DD-1:						
180-190	Nil	Trace				
190-200	Nil	Trace				
200-210	Nil	Trace				
210-220	Nil	Trace				
220-230	Nil	.14	} (.10)			
230-240	Nil	.12				
240-252	.003	.10				



CHARGE \$ 26.25

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002559
RECEIVED 5-27-68
REPORTED 5-28-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
DD # 2:							
20-30	Nil	Trace					
30-40	Nil	.06					



CHARGE \$ 7.50

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

TS
759

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Austral Oil Company Inc.
2700 Inable Building
Houston, Texas 77002

JOB# 002573
RECEIVED 5-29-68
REPORTED 6-4-68

cc: Lundby

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %
DD-2:			DDH:2:				
90-100	Nil	Trace	480-490	Nil	.62		.025
140-150	Nil	Trace	490-500		.04		.019
150-160	Nil	Trace	500-510		.06		.011
190-200	Nil	Trace	510-520		.28		.009
220-230	Nil	Trace	520-530	Nil	1.52		.021
230-240	Nil	Trace	530-540		.32		.012
240-250	Nil	Trace	540-550		.18		.010
250-260	Nil	Trace	550-560		.04		<.01
260-270		Trace	560-570		Trace		<.01
270-280		Trace	570-580		Trace		<.01
280-290		Trace	580-590		Trace		<.01
DDH# 2:							
310-320		Trace					
32320-330		Trace					
330-340		Trace					
340-350		Trace					
350-360		Trace					
360-370		Trace					
370-380		Trace					
380-390		Trace					
390-400		.06					
400-410		.28					
410-420		.12					
420-430		.05					
430-440		.06					
440-450		.34					
450-460.5	.010	3.67					
460.50							
461.5	Nil	.96					
461.5-470	Nil	1.12					

Copper 90



CHARGE \$ 30.00

* Gold and Silver reported in troy oz. per 2 * Gold and Silver reported in troy oz. per 2,0

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700s Humble Building
Houston, Texas

cc: Lundby

JOB # 002673
RECEIVED 6-19-68
REPORTED 6-25-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH:2:						
610-620		Trace		<100ppm		
620-630		.04		<100		
670-680		.04		<100		



CHARGE \$ 12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

165

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

cc: Lundby

JOB# 002694
RECEIVED 6-26-68
REPORTED 6-27-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
DDH-2:						
590-600		Trace		40		
600-610		Trace		32		
630-640		Trace		48		
640-650		Trace		40		
650-660		Trace		44		
660-670		Trace		40		
720-730		Trace		36		
750-760		.22	} 0.17	44		
760-770		.18		24		
770-780		.10		32		
780-790	Nil	2.02	} 1.53	24		
790-800	Nil	1.04		36		
800-810		.32		20		



CHARGE \$ 52.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002748
RECEIVED 7-5-68
REPORTED 7-8-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
DD-2:						
810-820		Trace		52		
820-830		.08		40		
830-840		.04		44		
840-845		.18		40		
845-850	Nil	.84		152		
850-860		.08		52		
860-870		Trace		40		
870-876		.12		44		



CHARGE \$ 34.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tom bstone D.H. No. DDH #2 Collar elev. _____
 Logged by W.L. Bearing East Dip -45° Sheet 1 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
60%	2	Wk breakage (surbicial?) to 45'. (Kup appears to have crude lincation at ±45°)	$\frac{22}{\text{ton}}$ Au Ag		Wk-mod. Fe-st. on fract.; v.wk. MnO ₂ (dendritic) on fract.	Mod. supergene alt'n to ±30'; below 30'; broken zones are mod'ly. to str'ly. alt'd. Wk. chloritic alt'n of biotite; pale green acc. mineral (alt'n. product? - metasom. product?) common (± 2%). v.wk. CaCO ₃ on fract.	Uncle Sam Porphyry
70	4						
33							
40	12						
67	14						
80	17						
50	18						
75	20						
80	22						
87	26						
80	29						
70	30						
95	31						
92	35						
84	40						
70	45						
100	47						
5	50						
60	52						
86	56						
86	61						
100	66						
85	68						
96	72						
82							
73		82.5' - +1" brown oxide. (B = ?) - broken to 85'			82.5' } Mod. Fe-st. 85' }		
84							
90							

NXL

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DDH-2 Collar elev. _____
 Logged by W.L. Bearing East Dip -45° Sheet 2 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
	90						
	25%						
	96						
	37						
	102						
	80				±103 - Fe-st. on fract. gen. v. wk. - (Some broken zones have mod. Fe-st.) - MnO ₂ - v. wk.	±103' Rock, zone rel. fresh - broken zones gen. modly alt'd. (sulfonated).	Uncle Sam Porphyry
	106						
	100						
	111						
	90						
	115						
	95						
	119						
	93						
	122						
	83						
	131						
7M X 1/2	78						
	135						
	74						
	140						
	86						
	145						
	100						
	148						
	100	149' - contact @ 70°			149		149.0'
	152	153.0' - contact @ (?)°			} Fe-ox after FeS ₂ (?) - wk, dissem. 152		Andesite
	79						153.0'
	162						Uncle Sam Porphyry
	82	163' - fine bx. [contact @ 70°] 166' 168' Broken andesite (2') 170' } Coarse bx. - 174'					166' } Bisbee 5' } 168' 170' } Bisbee 5' } 174'
	172						
	80						
	178						
	88						

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DDH #2 Collar elev. _____
 Logged by W.L. Bearing East Dip -45° Sheet 3 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
	88%						Uncle Sam Porphyry
	183						
	83						
	186						
	78					187' } gets some fine, v. fine grs. - mod. to str'ly sand.	
	192						
	83						
	196						
	100						
	202						
	88						
	208				+206' - MnO ₂ increases sl. - (still wk.)		
	70						
	212						
	65						
	216						
	65						
	218						
	65						
	220						
		223' contact @ (?)					223'
	73	Andesite					Andesite
	230						
	95						
	234	2335' - contact @ (?)					2335'
	90						Uncle Sam Porphyry
	237						
	100						
	242						
	100						
	246						
	98						
	251						
	78						
	255						
	83	254					
	259	258.5' - contact @ 65°			258.5' Fe-ox - gen. wk. to mod. on fract.		258.5'
	80	Mod'ly. shattered			MnO ₂ - wk. mod.		Bisbee Sm.
	262						
	90						
	266	265' - 18x contact @ 45°					
	80	Coarse br.					
	270						

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tanbatare D.H. No. DDH - #2 Collar elev. _____
 Logged by WL Bearing _____ Dip _____ Sheet 4 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
7X7/8 N X N	83%	281.2' - contact - (?)					281.2' Andesite
	274				Fe ₂ (disseminated) in un-oxid. andesite ↓ -10'		286.0' Biotite fr. ↓ 10'
	86	286' - contact @ 85° ↓ -10'					
	60	291					
	292						
	93						
	288						
	100						
	292						290' Andesite (?)
	100	293					(Fine to medium grained; gen. dark gray-green porphyrific)
	77						
	299						
	100	302					
	100	306					
	97						
	312						
	86						315' Biotite fr.
	317						
99							
324							
98							
330							
95						331.2' Andesite	
334		334.8' - contact @ 50° Lamination @ 30°-40° Some MnO ₂ - stained, vugs @ 93 in cavities (# to lamination)					334.8' Biotite fr.
100					338' ox-s (?) V. little Fe ₂ O ₃ on fractures minor MnO ₂	338' Int. added qtz. (bleeding) -	
342							
100							
352							
86							

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DDH-#2 Collar elev. _____
 Logged by W.L. Bearing _____ Dip _____ Sheet 5 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
86%	362	362			3360' - 1 1/2 Cu ₂ S(?) - Ag ₂ S(?) coating FeS ₂ (dissem. sh.) on fract. (+)		Biobee Sm.
54	367	2m + addl. - broken (wk-mod. Fe-st.)					
40	372	369					
44	379	371 1/2 Broken, mod. alt. + Fe-st.					
100	383	379			Fe + S + ? mm D ₂ Z.		
90	385	wkly broken, wk-mod. Fe-st. (Bedding @ 55°)					
20	392				388' wk-mod. red-brown Fe-ox fract. & dissem'd (?)	388' Int'lly ser'd. - gtz. (?)	
80	395	395' - 1' gangue, int. broken + ser'd. zone @ 40° (1/8" red @ 395.7')					
88	400	str. lineation @ 25° (w/ Fe-ox + st.)					
90	406	405'					
72	410	finally broken along brown gangue along on outside of core.					
	412						

PROJECT Tombstone

172

STARTED _____ COMPLETED _____

D.H. No. DDH-2 COLLAR ELEV. _____

LOGGED BY W.L. BEARING _____ DIP _____

SHEET 6 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE	
			AU	AG				
N X W L	90%						Bisbee sm. 	
	406							
	72							
	412							
	424							
	52		± 424' Mod'ly. shattered Occ. (sparse) vugs Mod. n/gls & MnO ₂ [Occ. str 1/2 broken (fine) gangue]					
	8							
	429							
	432							
	9							
	442							
	67							
	448							
	70							
	450							
93								
450								
456								
93								
462								
70								
468								
100								
470		470' open (shpe?)						
0%		474'						
30								
476								
45								
480		482' - 1' dx (45°?)						
450								
456								
93								
462								
70								
468								
100								
470								
0%								
30								
476								
45								
480								

± 455' ox'd. Sulphide
vults. become heavier
(up to 1/2") of dark red-brown
Mod. Fe-st + Fe-ox

460.5 - 1' FeS₂ on fault +
dissem'd. - black coating
[Cu₂S (?) - Ag₂S (?)]

STARTED _____ COMPLETED _____

D.H. No DDH #2 COLLAR ELEV. _____

LOGGED BY WV BEARING _____ DIP _____

SHEET 7 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ / TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
100%	502						Bisbee Sm.
100	504						
90	506						
57							
	512						
75	514						
95	518						
47	521						
68							
	525						
63	528				±525' Fe-st of Fe-st become yellow-brown		
15							
	532						
26							
	537	537 - 11' thin @ 30°					
88		538 - 3' frag. contacts.					
	541						
15	543						
20							
	547						
12		End. of shattered zone					
	552						
55	554	±554' ↑			±554'	±554'	
75					Spars ox'd. (Fe-st) seams	occ. fine (1/16" - 1/8") CaCO ₃ nits.	And. (+) Tup (?)
70	558				FeSe - wh-mod. (520-400) in fract., dis and in with biotite. (Grad. decrease)	Rel. fresh; occ. ang'd. zones with breakage.	Fine porphyritic texture; Sm: fine; abnd. fine white.
	559				Minor MoS ₂ (?)		
98							
	564						
95							
	572				±572' minor PbS, ZnS.		
100							
	582						
100							
	592	591.5' - 4" int. alt'd. zone, 7/3 vng. @ ±45°					
100							
	598						
93							

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
93%							
606							
94							
616							
72							
621		Broken, med. red-brown Fe-st + Fe-ox.; med. MnO ₂ (?) 616-617			±616' FeS ₂ - med. in str ^{ly} ; ser'd. zones. Ox'd. zones (±50%) have med.-str. Fe-st & Fe-ox. [Sparse ox'd. some in gran. in ox'd. zones.]	±616' qtz, ser'd., with some less alt'd. (arg'd.) zones.	
70							
630							
83							
636							
75							
640							
87		Broken, med. to str. Fe-st. + minor MnO ₂					
643							
100							
646							
90							
652		Broken, med to str. Fe-st.					
80							
654							
98							
662							
88							
670							
672		shattered, med. Fe-st					
63							
678							
100		wkly. shattered, wk. to med. Fe-st.			±679' FeS ₂ - sparse; w/whitite on fract. Occ. Fe-st. on fract.	±679' - Rel. fresh - (Sparse ox'n. along fractures) (Occ. xeno's of Bisbee Sm - up to 2")	
682							
100							
687							
688							
100							

STARTED _____ COMPLETED _____

D.H. No DDH #2 COLLAR ELEV. _____

LOGGED BY W.L. BEARING _____

DIP _____

SHEET 9 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
100%	702						
100	710						
85	716						
100	718						
100	720						
100	724						
97	727						
83	731						
87	734						
88	738						
88	742						
82	747						
56	752						
49	758						
75	761						
68	766						
50	768						
65	770						
78	774						
50	776						
80	777						
70	778						
75	780						
26	787						
3	790						
5	792						
18	797						
57	800						

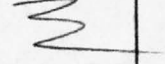
716'
 }
 wklly. broken

758' - 1' bx (loose) -
 wklly. shattered
 to 809' with
 mod. dark Fe-st.

±758'
 Mod. dark brown to
 red Fe-st. & wk.
 MnO₂ (dendritic) on fract.

±758'
 Appears rel. fresh -
 minor epidote (?)

±758'
 Bisbee
 Sm.




STARTED _____ COMPLETED _____

D.H. No. DDH-#2 COLLAR ELEV. _____

LOGGED BY W.L. BEARING _____ DIP _____

SHEET #10 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
50%	800	lineation (bedding?) @ 20° to 30°			806' wk. Fe-st & MnO ₂ (dendritic) on fract.		Bisbee fm. 
65	802						
70	804						
100	806						
60	809						
97	812						
57	819						
60	822						
30	823						
80	824						
100	826						
100	829						
73	832						
98	837						
100	838						
100	845						
57	852						
35	854						
55	856						
57	862	} calc. in some (1/2-1/8)					
32	867						
22	872						
37	875						
32	876						
							875.5' ↑ Tup (P)

BXWL

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

JOB# 002624
RECEIVED 6-11-68
REPORTED 6-13-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH# 3:						
40-50		Trace				
100-110		Trace				
110-120		Trace				
120-130		Trace				
130-140		.06				
140-150		.10				
150-160		.12				
160-170		.34				
170-180		.28				
180-190		.42				
190-200	Nil	2.32				
200-210	Nil	.60				

Handwritten notes:
 A bracket groups the Silver values from 130-140 to 180-190 with the note "0.22 oz Ag".
 A bracket groups the Silver values for 190-200 and 200-210 with the note "1.28".



CHARGE 28.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

JOB# 002646
RECEIVED 6-14-68
REPORTED 6-19-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH: 3						
210-220	Nil	.70	1.28			
220-230	Nil	1.52				
230-240		.38				

CHARGE \$ 10.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002671
RECEIVED 6-19-68
REPORTED 6-21-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH-3:						
240-250		.16	0.27 (27)			
250-260		Trace				
260-270		Trace	Tr			
270-280		Trace				
280-290		Trace				
330-340		.12				



CHARGE \$12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

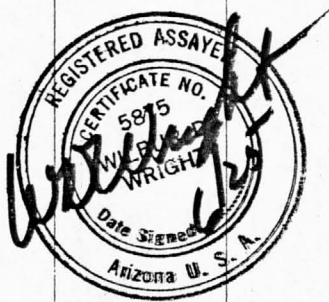
710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company Inc.
2700 Humble Building
Houston, Texas

cc: Lundby

JOB# 002674
RECEIVED 6-19-68
REPORTED 6-15-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DD: 3: 290-300	Nil	0.06 .06				
300-310		Trace				
310-320		Trace				
320-330		.56				
330-340 340-350		.12 .04				
350-360		.04				
360-370		Trace				
			530			



CHARGE \$ 16.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002695
RECEIVED 6-26-68
REPORTED 6-27-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
DDH:3: 390-400 420-430		.12 Trace		48 24		



CHARGE \$ 8,00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002724
RECEIVED 7-1-68
REPORTED 7-5-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER ppm	ZINC %	MOLYBDENUM %
DD# 3:						
440-450		.10		80		
450-460		Trace		40		
460-470		Trace		28		
500-510		.06		28		
510-520		.08		32		
520-530		.04		26		
530-540		40	} .39	20		
540-550		.38		24		



CHARGE \$ 32.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT Tombstone D.H. No. DDH-#3 Collar elev. _____
 Logged by WL Bearing East Dip -45° Sheet 1 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
1/2" Bit ↓ 20' 26' 33' 36' 40' 41' 44' 47' 54' 55' 63' 66' 70' 81.2'		Gen. whly. shattered. (to ±100') Broken, int. alt'd. 35' 38' 24' broken + alt'd. - vuggy gts @ ±81' (irreg.) 81.2'			wk. - mod. Fe-st. or Fract - MnO ₂ - (?) - v. wk. 340' (MnO ₂ → wk.) minor Fe-ox. adj. to fract., some zones mod. Fe-ox (dissol.)	Matrix weathered → Fe-ox Mod. - str. surface weathering v. sparse CaCO ₃ v. lts. ±40' Whly. to modly ser'd., rock gen. bleached. - supergene alt'd. = mod.	0.2 20' Top

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT _____ D.H. No. DDH-#3 Collar elev. _____
 Logged by _____ Bearing _____ Dip _____ Sheet 2 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
		108' - Andesite contact v. irregular (steep?)			108' - wk. - mod. Fe-st.	108' - Rel. fresh - magics or'd. (supergene alth.)	108' - Andesite (?)
	112	Andesite (?)					
		121' - 122' } Mod'ly broken.			121' - Mod. Fe-St on fract.	121' -	121' - Basalt Fr.
		126' - ↓ wkly - mod'ly broken					
	143						
		151' - 157' } Int'lly broken + altd.			150' - Gen. mod'ly Fe-st'd.	148' - str. bleached - (ser'd?)	148' - Andesite (?)
						156' - Supergene alth - (as at 108-121')	156' - Andesite
	161				160' - vuggy 9/3	162' - 9/30 - ser'd (?)	162' - Basalt Fr.
					169' - wk - mod Fe-st on fract.	169' - Supergene alth as at 108-121'	169' - Andesite (?)
					174' - Mod. Fe-st on fract; stronger vits are dark red-brown.	174' - Arg'n increasing w/ depth. - wk. → str.	177' - And. (?) Fr. (?)

WEST RANGE COMPANY

Started _____ Completed _____ PROJECT _____ D.H. No. DDH-#3 Collar elev. _____
 Logged by WT Bearing _____ Dip _____ Sheet 3 of _____

HOLE SIZE	RECOVERY	STRUCTURE	CU.	MO.	MINERALIZATION	ALTERATION	ROCK TYPE
		<p>183' In +. alt d (sard) ↓ broken - mod. Fe-st go. (?) on outside of core.</p> <p>±195'</p>			<p>±194' wk. to mod. dark red-brown Fe-st. ↓ Fe-ox.</p>	<p>184' strongly sard. -</p>	attached;
		<p>218' 5+ 1/2 shattered; vuggy</p> <p>228'</p>			<p>200'</p> <p>218' dk. dark red-brown Fe-st + Fe-ox</p> <p>228'</p>		

STARTED _____ COMPLETED _____

D.H. No. DDH-3 COLLAR ELEV. _____

LOGGED BY ML BEARING _____ DIP _____

SHEET 4 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
50	201 203 206						Trq(?)
54							
90	213 214						
73							
78	217						
	221	shattered; mod'ly. vuggy			218 str. dark red-brown Fe-st + Fe-ox.		
90							
	228				228		
	231				232		
80	233				Fe-ox = mod. to str. Fe-st = wk. to mod.		
98							
	242						
86					244 Fe-st - tan to red-brown, mod. Fe-ox - wk. mod. [after KSP]	244 Mod'ly. ang'd.	
	252						
75							
	260						
60	262						
	72						
	272						
98							
	276						
45							
	282						
87							
	285						
100							
	287						
100							
	290						
100							
	298					293 str'ly. sand., gty.	
98							

STARTED _____ COMPLETED _____

D.H. No. DDA-#3 COLLAR ELEV. _____

LOGGED BY W.L.

BEARING _____ DIP _____

SHEET 5 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
	96%						Tup (?)
	308						
	100						
	313						
	100						
	316						
	93						
	219						
	97						
	326						
	100						
	334						
	96						
	341						
	92						
	346						
	63						
	352						
	100						
	356						
	54						
	366						
	55						
	370						
	37						
	376						
	52						
	381						
	100						
	385						
	84						
	396						
	71						

NXWL

BXWL

-324'
several seams (up to 1")
leached sulphides -
(mostly) dark red-brown
Fe-ox remains

-334'
v. wk. Fe-st.
-336'
Med.-str. dissam'd FeS₂ +
[wk Fe-st.] Fe-ox

-340'
Str. dissam'd FeS₂
(±15%)

-344'
No Fe-st; abund.
fine, dissam'd. Fe-ox

-352'
wk.-mod. Fe-st. on fract.

Broken,
int. ahd.

-336'
wk. fine grs. frag.


-352'
Rel. fresh

-352'
Andesite (?)
Tup (?)

STARTED _____ COMPLETED _____
 LOGGED BY W.L.

D.H. No. DDH-3 COLLAR ELEV. _____
 BEARING _____ DIP _____ SHEET 6 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
7 1/2							
	405						
87							
	414						
70		416' ↓ w/ln. broken & Fe-st'd.					
	417						
24							
	425	Bisbee Sm. = br'd. (well holed) - [an. mod'ly. shattered]			±425' Wk. Fe-st & MnO ₂ (dendritic) on fract.		±425' Bisbee Sm. ~
80							
	427						
80							
	431.5						
92							
	434						
100							
	437						
100							
	439						
27							
	442						
63							
	446						445' } Top(?) 450'
100					451' } Wk. mod. fine Fe ₂ O ₃ ; dissand. f. n. fract. 452'		
	452						
93							
	458						
73							
	461						
100							
	464						
26							
	471						
20							
	473						
		±475'					±475'
90							
	479						
40							
	483						
80							
	485						
50							
	487						
75							
	489	489.5' - Lower contact @ 60°					489.5'
53							
	492						
100							
	494						
60							
	496						
100							
	497						
100							
	499						
73							

CORE SIZE	RECOVERY	STRUCTURE	OZ / TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
73%							
90	502						Bisbee Sm. 
5	503						
	505						
46							
	510						
100							
	514						
100							
	517						
86							
	524						
95							
	533						
59		<div data-bbox="308 777 487 903"> <p>533 str. lineation (bedding?) @ 25°</p> </div>					
	541						
47							
	544						
35							
	546						
47							
	549						
30							
	550	<div data-bbox="308 1092 535 1155"> <p>550.3 Bottom of hole</p> </div>					

511'
 {
 wk. - mod. FeS₂ (gen. v.
 fine) on fract (4) of
 dissemin'd.

528'

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Tucson, Arizona

JOB# 002780
RECEIVED 7-11-68
REPORTED 7-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DH-4						
40-50		Trace				
90-98		Trace				



CHARGE \$ 4.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002791
RECEIVED 7-12-68
REPORTED 7-16-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DH-5:						
10-20		.06				
20-30		.48				
30-40		.44				
40-50		.48				
50-60		.26				
60-70	Nil	.90				
70-80		.38				
80-90		.22				
90-100	Nil	1.28				
100-110	Nil	1.44				
110-120		.22				
120-130		.34				
130-140		.36				
140-150		.20				
150-160		.16				
↓ 216'						

Handwritten notes in table:
 - A bracket groups samples 10-20 through 80-90 with the value 0.40.
 - A bracket groups samples 90-100 and 100-110 with the value 1.36.
 - A bracket groups samples 110-120 through 150-160 with the value 0.23.



CHARGE \$ 36.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002807
RECEIVED 7-15-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH-5:						
160-170		.10				
170-180		.14				
180-190		.32				
190-200		.42				
200-205		.08				
205-216		.10				



CHARGE \$ 12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.


INVOICE

STARTED _____ COMPLETED _____

D.H. No. DD4-5 COLLAR ELEV. _____

LOGGED BY W. L. BEARING S-65°-E DIP -60°

SHEET 1 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ / TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
Rock Bit	0%						
15%	10	Core gen. broken - (poor recovery)			wk. - mod. Fe-st. - some zones = mod. to str.	Supergene alt'n along structures & in broken zones.	Bisbee Sm. 
60	12						
60	14						
60	15						
10							
	22						
50	23						
70	24						
30	25						
25							
	29						
13							
	33						
20	34						
27							
	37						
13	40						
20	42						
17	45						
35	47						
60	48						
80		348' - Rock appears shattered & br'd (re-comacted)					
	52						
100	54						
40	54						
50	55						
50	56						
20	57						
NXWL	7						
	60						
13	63						
7	66						
15							
	70						
20	72						
5							
	76						
13	79						
93							
80	82						
	83						
87							
	86						
45	88						
80							
	98						
97		99.5' - 100' - rugged 973					

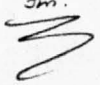
PROJECT Tombstone

STARTED _____ COMPLETED _____

D.H. No. DDH-#5 COLLAR ELEV. 195

LOGGED BY WT BEARING _____ DIP -60°

SHEET 2 OF 3

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
77 1/2	101						Bisbee sm. 
45	103						
90	105						
70	107						
100	110						
25	112						
73	116						
75	118						
42	124						
13	128						
77	131						
86	134.5						
100	135						
3	138						
70	140						
28	146						
70	148						
100	149						
45	151						
23	155						
100	157						
72	163						
100	165						
60	166.5						
170	170						
30	174						
50	176						
20	178						
78	183						
40	191						
18							

130' } Andesite
135'

N X W

PROJECT Tenipstone

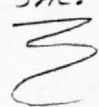
196

STARTED _____ COMPLETED _____

D.H. No. DDH-45 COLLAR ELEV. _____

LOGGED BY W.L. BEARING _____ DIP -60°

SHEET 3 OF 3

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
7/8 ↓ NXL ↓ 12	18 1/2 - 201	1200' Mod-str. Fe-st, gtz. (some v. gtz 9'3) 215' - Bottom of hole -					Bisbee Sm. 
	67 - 204						
	28						
	211						
	12						
	216			216		216	

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

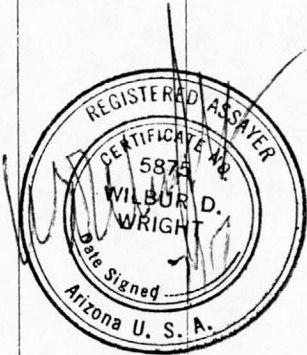
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB # 002808
RECEIVED 7-15-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH-6:						
170-180		.06				
180-190		.06				
190-200		.08				



CHARGE \$ 6.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

198

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

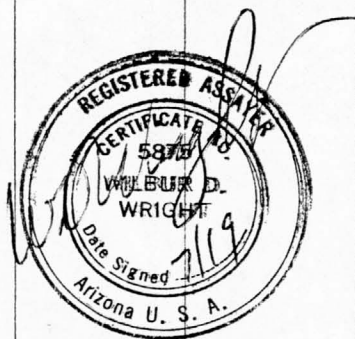
P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5811

Austral Oil Company
2700 Humble Building
Houston, Texas

JOB# 002813
RECEIVED 7-16-68
REPORTED 7-17-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %	MOLYBDENUM %
DDH-6:						
200-210		Trace				
210-220		Trace				
220-230		.06				
230-240		.08				
240-250		.06				
250-257		.06				



CHARGE \$ 12.00

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

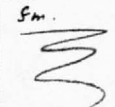
INVOICE

STARTED _____ COMPLETED _____

D.H. NO. 7214-6 COLLAR ELEV. _____

LOGGED BY W. L. BEARING _____ DIP -60°

SHEET 1 OF _____

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
070							
40%	20	San. wks. to modly. shattered.			Wk. - mod. brown Fe-st. on fract.	Supergene alt'n along structures + in broken zones.	Bisbee Sm. 
20	23						
20	27						
44	32						
70	35						
75	37						
45	39						
20	45						
60	47						
87	50						
33	53						
40	55						
87	58						
85	60						
25	62						
63	65						
30	67						
45	69						
50	71						
93	75						
77	78			Wk. Fe-st. on fract. (occ. zones (short) mod Fe-st.) Wk. dendritic MnO ₂			
80	79						
40	80						
85	82						
80	84						
100	86						
55	88						
70	89						
15	91						
70	92						
50	94						
40	95						
80	96						
58	100						

Rock Bit

NXL

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
35%	100						
100	102						
100	103						
100	104						
70	109						
70	110						
60	111						
50	112						
60	113						
70	114						
70	115						
100	116						
70	118						
95	120						
90	121						
88	123.5						
88	124						
90	124.5						
90	128.5						
	134						
93	138						
90	142						
100	143						
100	144						
50	147						
70	148						
70	149						
20	150						
43	153						
35	155						
97	158						
90	160						
53	163						
45	165						
70	167						
60	169						
63	172						
100	173						
60	175						
90	177						
100	180						
100	185						
98	189						
73	192						
100	194						
80	195						
93	198						
80	199						
95							

Good bedding @ 35°

MNL

STARTED _____ COMPLETED _____

D.H. NO DDH-#6 COLLAR ELEV. _____

LOGGED BY W.L.

BEARING _____ DIP _____

SHEET 3 OF 3

CORE SIZE	RECOVERY	STRUCTURE	OZ./TON		MINERALIZATION	ALTERATION	ROCK TYPE
			AU	AG			
95%	201						
100	202						
100	203						
83	206						
70	210						
90	212						
70	214						
90	215						
93	218						
67	224						
90	225	224.5' - 1.5" sh. + sh. zone @ 25"					
90	227						
88	232						
100	233						
100	235						
60	237						
100	238						
100	239						
60	240						
70	241						
80	242						
70	243						
90	245						
75	249	247' - 6" sh. + crushed zone (2 1/2")					
80	252						
20	253						
70	257	257 Bottom of hole			257	257	257

N X W

230
Andesite
Grades from
porph. -
fine-grained.

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

174

REGISTERED ASSAYERS

FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 8872

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602-294-5311

Austral Oil Company Inc.
2700 Hamble Building
Houston, Texas 77002

cc: W. Lumdby

JOB# 002423
RECEIVED 4-22-58
REPORTED 4-24-58

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
SA-1	Nil	3.04					
SA-2	.016	1.63					
SA-3	Nil	2.40					
SA-4	.010	20.39					
SA-5	Trace	.64					
SA-6	Trace	.54					

CHARGE \$ 22.50

(please hold payment until statement is received)

* Gold and Silver 858.8188 in troy oz. per 2,000 lb. ton.

INVOICE

SOUTHWESTERN ASSAYERS & CHEMISTS, Inc.

18

REGISTERED ASSAYERS

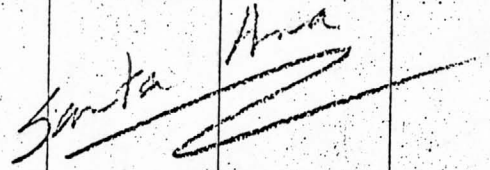
FELIX K. DURAZO
WIL WRIGHT
ARIZONA REG. NO. 5875

P. O. BOX 7517
TUCSON, ARIZONA 85713

710 E. EVANS BLVD.
PHONE 602 794-5811

Austral Oil Company
2700 Humble Building
Houston, Texas 77002

JOB # 002542
RECEIVED 5-21-68
REPORTED 5-24-68

SAMPLE NUMBER	GOLD OZ.*	SILVER OZ.*	LEAD %	COPPER %	ZINC %		MOLYBDENUM %
SA# 7	.200	838.80					
8	.080	210.92					
9	.040	32.96					
<p><i>Santa Ana</i></p> 							



CHARGE \$ 11.25

* Gold and Silver reported in troy oz. per 2,000 lb. ton.

INVOICE

SW

10 foot intervals Assay

Ag = .05 Cu

H 1	300	30 Ag	10 Cu ^B	1	252
2	215	22 Ag		2	252 876
3	500	50 Ag	10 Cu ^B	3	550
4	300	10 Ag		4	98
5	250	5 Ag		5	216
6	250	6 Ag		6	257
7	250	6 Ag			
8	100	3 Ag			
9	140	2 Ag			
2731	426	43 Ag	-177 3 Au		
11	250	25 Ag	7 Au		
12	270	24 Ag			
13	250	24 Ag	8 Au		
14	250	25 Ag			
15	250	25 Ag			
16	170	17 Ag	1 Au		
17	285	29 Ag			
18	313	32 Ag			
19	490	48 Ag	9 Cu 1 Au		
20	300	30 Ag	-456		
21	270	27 Ag			
22	290	29			
23	207	20 Ag	3 Au		
24	270	27 Ag			
25	290	29 Ag			
26	500	50 Ag	3 Au 1 Cu		
27	200	20 Ag	2 Au		
28	230	23 Ag			

252 - 23 Ag 23 Au
 10.06 Au .52
 64
 20 Au 42 Ag 27 Cu
 4 Au 39 Ag 543
 2 Ag
 3 Au 26 Ag
 9 Ag

H - 29 235 - 23 Ag
 H - 30 280 - 28 Ag
 705

8331.0 ft. rotary
 2249.0 ft dia

^B 10,580.00

863 Ag Assays
 high 10.06 %/ton
 93 Cu Assays
 high .05 Cu ?
 78 Au high .522

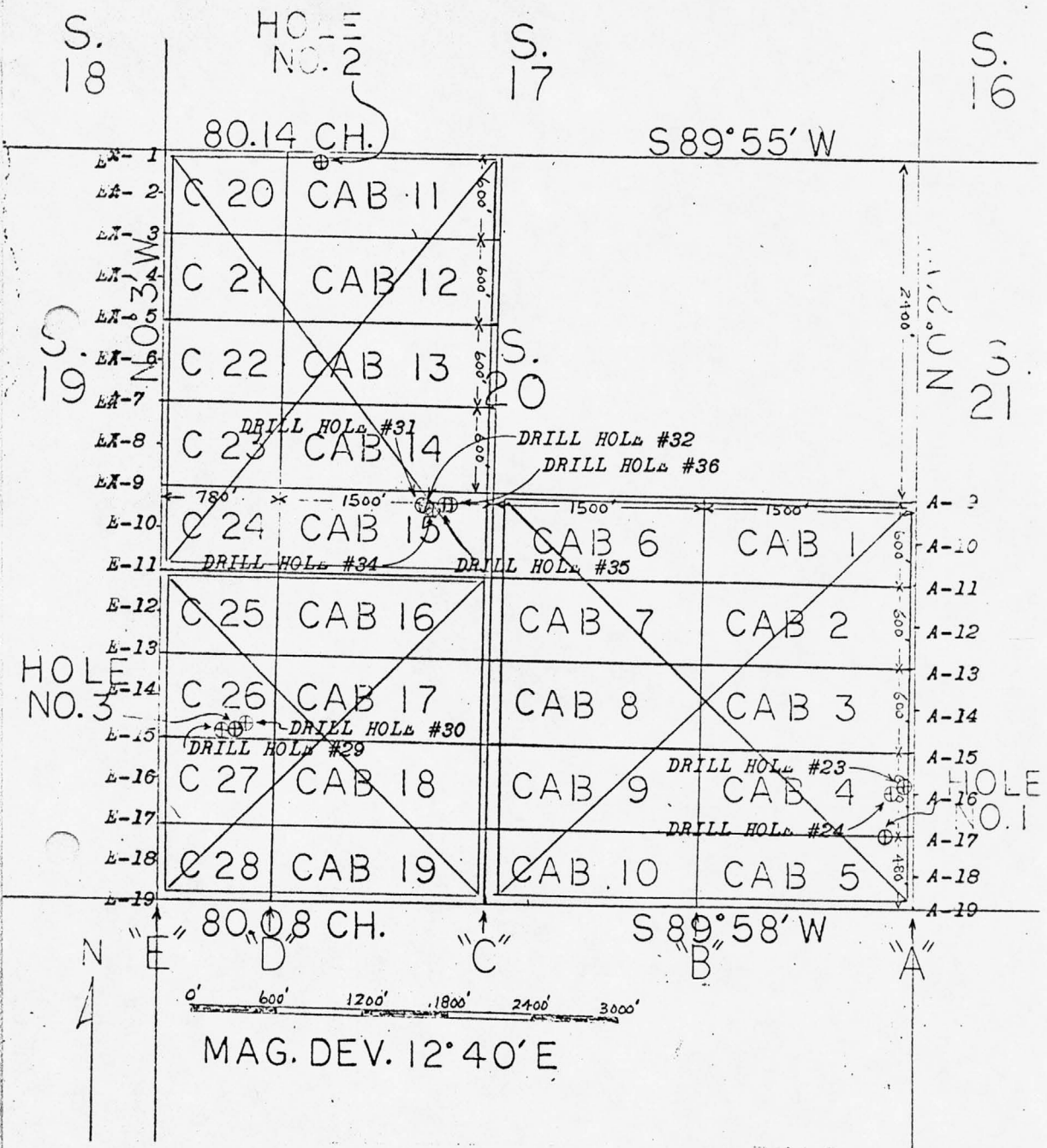
2 8
 2 3
 1 1

59

TMP ALLOCATION
DRILLING

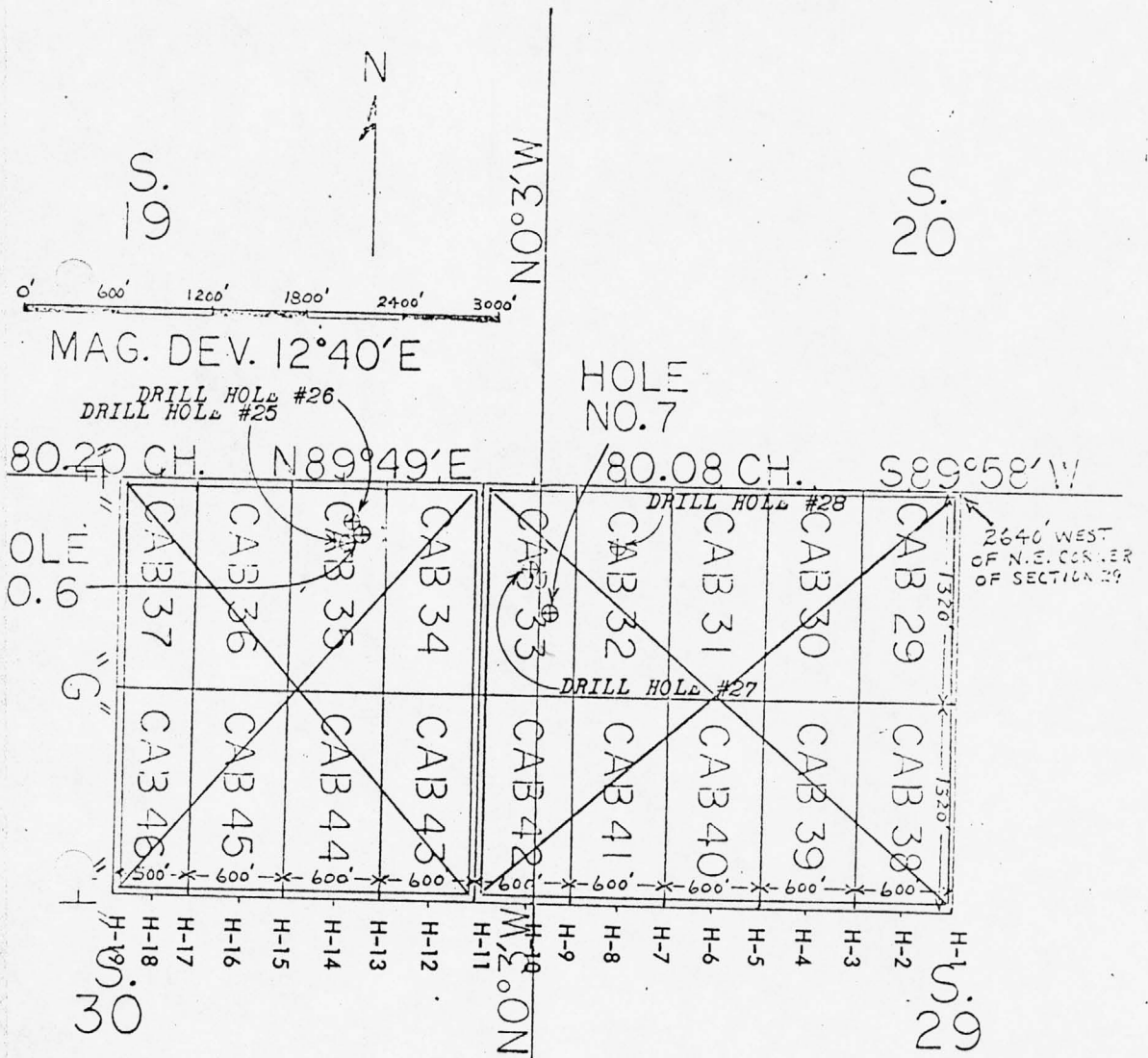
STEINER
TRAIL
#15

PLAT SHOWING LOCATION OF "CAB" CLAIMS IN SECTION 20, T.20S., R.22E: GILA & SALT RIVER B&M.



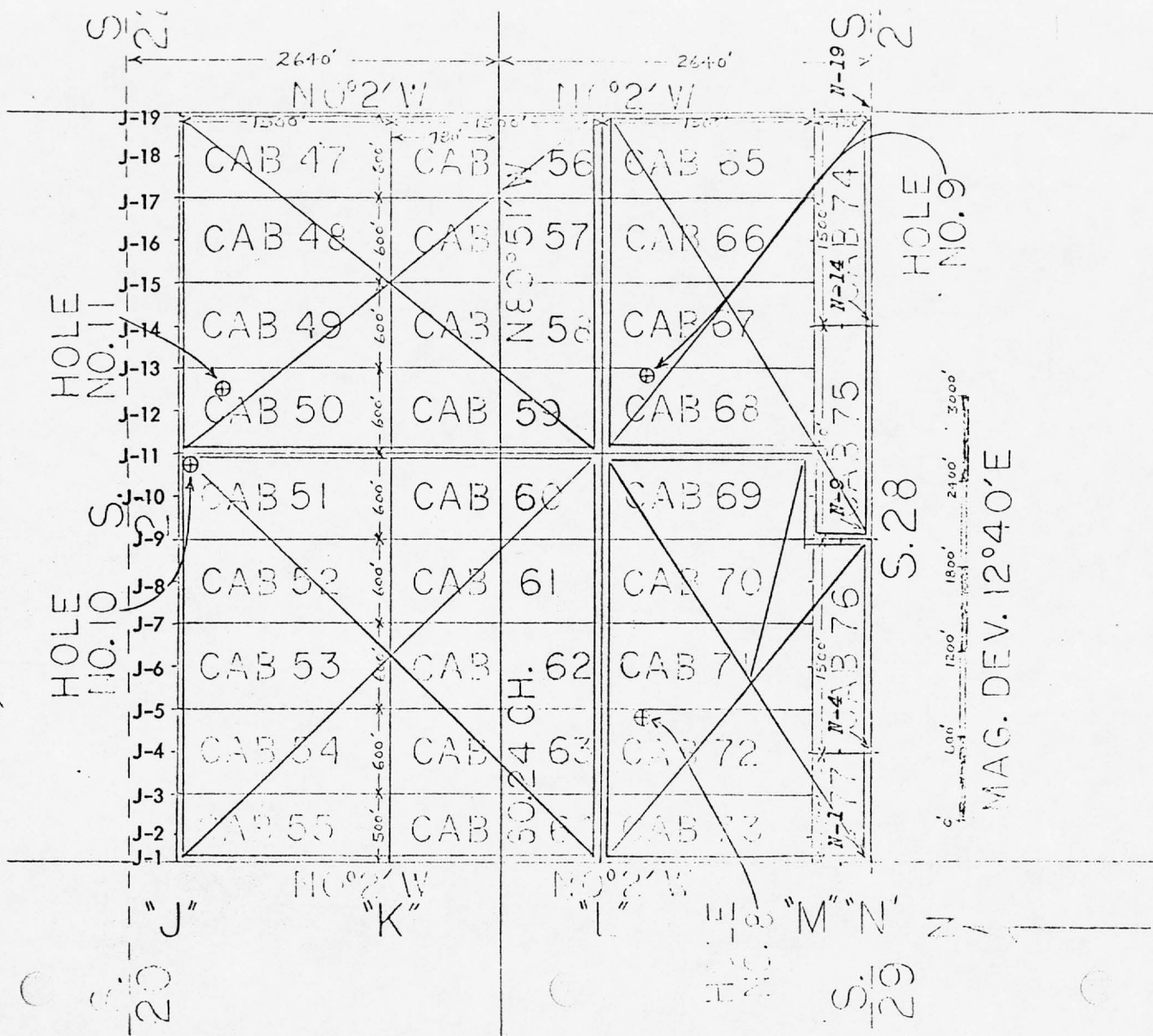
ITEM #10

PLAT SHOWING LOCATION OF CAB CLAIMS IN SEC. 29 & SEC. 30, T.20S., R.22E., GILA & SALT RIVER B & M.



ITEM # 11

PLAT SHOWING LOCATION OF CAB CLAIMS IN SEC. 21 & SEC. 28, T. 20 S., R. 22 E., GILA & SALT RIVER B. & M.

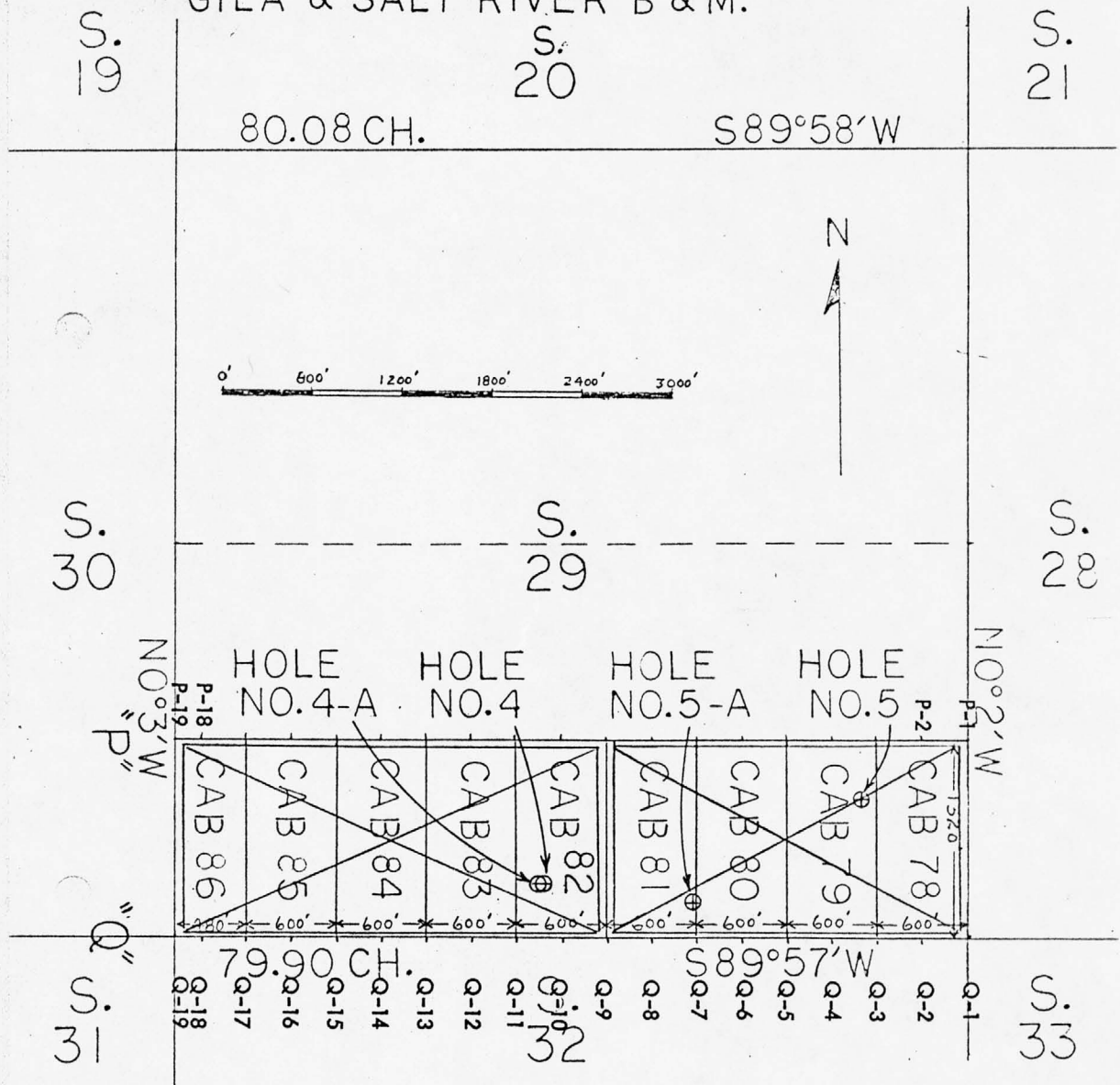


600' 1200' 1800' 2400' 3000'

MAG. DEV. 12°40'E

ITEM #12

PLAT SHOWING LOCATION OF CAB CLAIMS IN SEC. 29, T. 20 S., R. 22 E., GILA & SALT RIVER B & M.



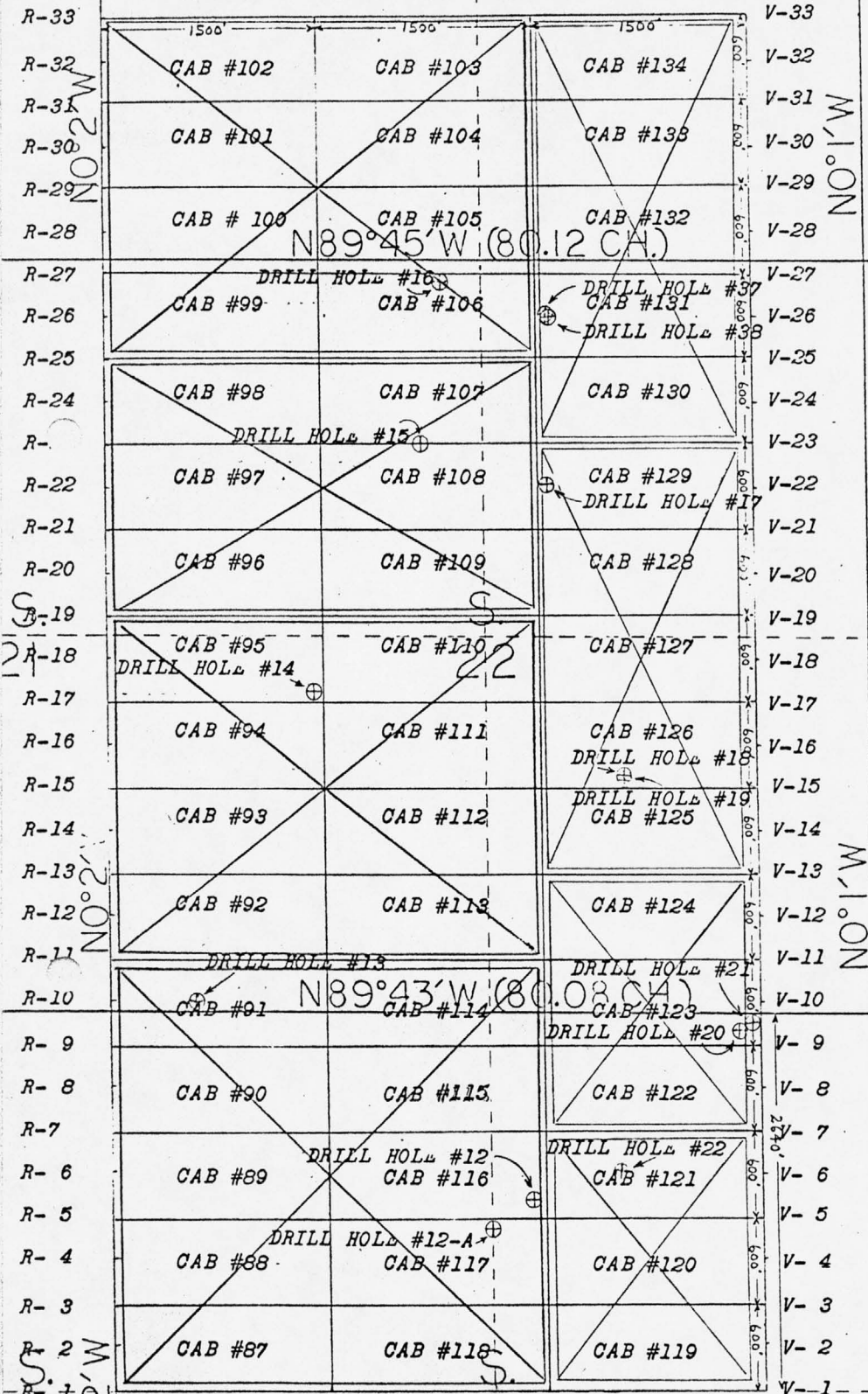
16

15

14

PLAT SHOWING LOCATION OF CAB CLAIMS IN SECTION 15, SECTION 22,
& SECTION 27, T.20S., R.22E: GILA & SALT RIVER B&M.

ITEM #13

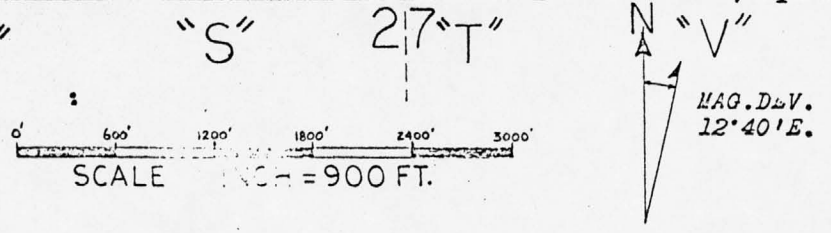


NO. 2 W

NO. 1 W

S. 23

S. 6



DRILL HOLE #	IN CAB CLAIM #	AT	T.D.
DRILL HOLE # 1	# 5	AT	102' T.D.
DRILL HOLE # 2	# 11	AT	106' T.D.
# 3	# 26		141.5' T.D.
# 4	# 82		92' T.D.
# 4-A	# 82		125' T.D.
# 5	# 79		25' T.D.
# 5-A	# 81		125' T.D.
# 6	# 35		116' T.D.
# 7	# 33		125' T.D.
# 8	# 72		162' T.D.
# 9	# 68		122' T.D.
# 10	# 51		157' T.D.
# 11	# 50		162' T.D.
# 12	# 116		24' T.D.
# 12-A	# 117		155' T.D.
# 13	# 91		160'
# 14	# 95		160'
# 15	# 108		160'
# 16	# 106		160'
# 17	# 129		116'
# 18	# 126		116'
# 19	# 126		116'

DRILL HOLE #20 IN CAB CLAIM #123 AT 108' T.D.

#21	#123	116'
#22	#121	104' T.D.
#23	#4	24' T.D.
#24	#4	108'
#25	#35	84' T.D.
#26	#35	72'
#27	#33	108'
#28	#32	108'
#29	#26	72'
#30	#26	70'
#31	#15	28'
#32	#15	12'
#34	#15	12'
#35	#15	56'
#36	#15	52'
#37	#131	64'
#38	#131	64'

VALIDATION DRILLING FOR CAB CLAIMS #29 THRU #46 IN
SEC. 29 & SEC. 30, T. 20S., R. 22E., GILA & SALT RIVER B.M.

- 124' T.D. CAB DRILL HOLE #7 IN CAB CLAIM #33 DRILLED AT 72'
EAST & 816' SOUTH OF N.W. COR. SEC. 29, T. 20S., R. 22E.
REF: CAB POST #F-9 LOCATED 5040' WEST & 0' SOUTH OF
N.E. COR. SEC. 29
- 116' T.D. CAB DRILL HOLE #6 IN CAB CLAIM #35 DRILLED 1180' WEST
& 328' SOUTH OF N.E. COR. SEC. 30, T. 20S., R. 22E.
REF: CAB POST #13 LOCATED 955' WEST & 0' SOUTH OF
N.E. COR. SEC. 30.
- 84' T.D. CAB DRILL HOLE #25 IN CAB CLAIM #35 DRILLED AT 349'
SOUTH & 1185' WEST OF N.E. COR. SEC. 30, T. 20S., R. 22E.
REF: CAB POST #13 LOCATED 955' WEST & 0' SOUTH OF
N.E. COR. SEC. 30.
- 72' T.D. CAB DRILL HOLE #26 IN CAB CLAIM #35 DRILLED AT 291'
SOUTH & 1195' WEST OF N.E. COR. SEC. 30, T. 20S., R. 22E.
REF: CAB POST #13 LOCATED 955' WEST & 0' SOUTH OF
N.E. COR. SEC. 30.
- 08' T.D. CAB DRILL HOLE #27 IN CAB CLAIM #33 DRILLED AT
578' SOUTH & 92' WEST OF N.E. COR. SEC. 30, T. 20S., R. 22E.
REF: CAB POST #F-10 LOCATED 55' WEST & 0' SOUTH
OF N.E. COR. SEC. 30
- 108' T.D. CAB DRILL HOLE #28 IN CAB CLAIM #32 DRILLED AT
394' SOUTH & 470' EAST OF N.W. COR. SEC. 30, T. 20S., R. 22E.
REF: CAB POST #8 LOCATED 4740' WEST & 0' SOUTH
OF N.E. COR. SEC. 29.

VALIDATION DRILLING FOR CAB CLAIMS #47 THRU #74 IN
SECTION 21 & SECTION 28, T.20S, R.22E.

- 162' T.D. CAB DRILL HOLE #8 IN CAB CLAIM #72 DRILLED AT
4212' WEST & 921' SOUTH OF N.E. COR. SEC. 28, T.20S, R.22E.
REF: CAB POST #L-5 LOCATED AT 4200' WEST & 720'
SOUTH OF N.E. COR. SEC. 28
- 122' T.D. CAB DRILL HOLE #9 IN CAB CLAIM #68 DRILLED AT
1062' SOUTH & 1824' WEST OF N.E. COR. SEC. 28, T.20S, R.22E.
REF: CAB POST #L-13 LOCATED AT 1800' WEST & 720' SOUTH
OF N.E. COR. SEC. 28.
- 157' T.D. CAB DRILL HOLE #10 IN CAB CLAIM #51 DRILLED AT
3070' SOUTH & 2472' WEST OF N.E. COR. SEC. 21, T.20S, R.22E.
REF: CAB POST #J-11 LOCATED AT 3000' SOUTH & 2400' WEST
OF N.E. COR. SEC. 21.
- 162' T.D. CAB DRILL HOLE #11 IN CAB CLAIM #50 DRILLED AT
3302' SOUTH & 1914' WEST OF N.E. COR. SEC. 21, T.20S, R.22E.
REF: CAB POST #J-13 LOCATED AT 3000' SOUTH & 1800' WEST
OF N.E. COR. SEC. 21.

VALIDATION DRILLING FOR CAB CLAIMS #78 THRU #86
IN S $\frac{1}{2}$, S $\frac{1}{2}$, SEC. 29, T. 20S, R. 22E.

92' T.D.

CAB DRILL HOLE #4 IN CAB CLAIM #82 DRILLED AT
2832' WEST & 357' NORTH OF S.E. COR. SEC. 29, T. 20S, R. 22E.
REF: CAB POST # Q-11 LOCATED AT 3000' WEST & 0' NORTH
OF S.E. COR. SEC. 29.

125' T.D.

CAB DRILL HOLE #4-A IN CAB CLAIM #82 DRILLED AT
2836' WEST & 357' NORTH OF S.E. COR. SEC. 29, T. 20S, R. 22E.
REF: CAB POST # Q-11 LOCATED AT 3000' WEST & 0' NORTH
OF S.E. COR. SEC. 29.

25' T.D.

CAB DRILL HOLE #5 IN CAB CLAIM #79 DRILLED AT
702' WEST & 942' NORTH OF S.E. COR. SEC. 29, T. 20S, R. 22E.
REF: CAB POST # P-3 LOCATED AT 600' WEST & 1320' NORTH
OF S.E. COR. SEC. 29.

125' T.D.

CAB DRILL HOLE #5-A IN CAB CLAIM #81 DRILLED AT
1836' WEST & 246' NORTH OF S.E. COR. SEC. 29, T. 20S, R. 22E.
REF: CAB POST # Q-7 LOCATED 1800' WEST & 0' NORTH
OF S.E. COR. SEC. 29.

VALIDATION DRILLING FOR CAB CLAIMS #87 THRU #118

24' T.D. CAB DRILL HOLE #12 IN CAB CLAIM #116 DRILLED AT
1295' SOUTH & 2905' EAST OF N.W. COR. SEC. 27, T.20S., R. 22E.
REF: CAB POST #T-5 LOCATED AT 1440' SOUTH & 3000'
EAST OF N.W. COR. SEC. 27

155' T.D. CAB DRILL HOLE #12-A IN CAB CLAIM #117 DRILLED AT
1500' SOUTH & 2659' EAST OF N.W. COR. SEC. 27, T.20S., R. 22E.
REF: CAB POST #T-5 LOCATED AT 1440' SOUTH & 3000' EAST
OF N.W. COR. SEC. 27.

160' T.D. CAB DRILL HOLE #13 IN CAB CLAIM #91 DRILLED AT
525' EAST & 35' NORTH OF S.W. COR. SEC. 22, T.20S., R. 22E.
REF: CAB POST #R-10 LOCATED AT 60' NORTH & 0' EAST
OF S.W. COR. SEC. 22.

160' T.D. CAB DRILL HOLE #14 IN CAB CLAIM #95 DRILLED AT
2220' NORTH & 1455' EAST OF S.W. COR. SEC. 22, T.20S., R. 22E.
REF: CAB POST #S-17 LOCATED AT 2160' NORTH & 1500'
EAST OF S.W. COR. SEC. 22,

160' T.D. CAB DRILL HOLE #15 IN CAB CLAIM #108 DRILLED AT
2180' EAST & 1336' SOUTH OF N.W. COR. SEC. 22, T.20S., R. 22E.
REF: CAB POST #S-23 LOCATED AT 1320' SOUTH & 1500'
EAST OF N.W. COR. SEC. 22.

160' T.D. CAB DRILL HOLE #16 IN CAB CLAIM #106 DRILLED AT
2298' EAST & 168' SOUTH OF N.W. COR. SEC. 22, T.20S., R. 22E.
REF: CAB POST #S-27 LOCATED AT 120' SOUTH & 1500' EAST
OF N.W. COR. SEC. 22.

VALIDATION DRILLING FOR CAB CLAIMS #119 THRU #134

64' T.D. CAB DRILL HOLE #37 IN CAB CLAIM #131 DRILLED AT
427' SOUTH & 3112' EAST OF N.W. COR. SEC. 22, T. 20S., R. 22E.
REF: CAB POST #T-26 AT 420' SOUTH & 3000' EAST OF N.W.
COR. SEC. 22

64' T.D. CAB DRILL HOLE #38 IN CAB CLAIM #131 DRILLED AT
438' SOUTH & 3117' EAST OF N.W. COR. SEC. 22, T. 20S., R. 22E.
REF: CAB POST #T-26 AT 420' SOUTH & 3000' EAST OF N.W.
COR. SEC. 22.

116' T.D. CAB DRILL HOLE #17 IN CAB CLAIM #129 DRILLED AT
1526' SOUTH & 3058' EAST OF N.W. COR. SEC. 22, T. 20S.,
R. 22E; GILA & SALT RIVER B & M.
REF: CAB POST #T-22 AT 1620' SOUTH & 3000' EAST OF
N.W. COR. SEC. 22, T. 20S., R. 22E.

116' T.D. CAB DRILL HOLE #18 IN CAB CLAIM #126 DRILLED AT
1624' NORTH & 3583' EAST OF S.W. COR. SEC. 22, T. 20S., R. 22E.
REF: CAB POST #T-15 AT 1560' NORTH & 3000' EAST OF
S.W. COR. SEC. 22, T. 20S., R. 22E.

1' T.D. CAB DRILL HOLE #19 IN CAB CLAIM #126 DRILLED AT
1606' NORTH & 3583' EAST OF S.W. COR. SEC. 22, T. 20S., R. 22E.
REF: CAB POST #T-15 AT 1560' NORTH & 3000' EAST OF S.W.
COR. SEC. 22, T. 20S., R. 22E.

108' T.D. CAB DRILL HOLE #20 IN CAB CLAIM #123 DRILLED AT
142' SOUTH & 4320' EAST OF N.W. COR. SEC. 27, T. 20S., R. 22E.
REF: CAB POST #V-9 AT 240' SOUTH & 4500' EAST OF
N.W. COR. SEC. 27, T. 20S., R. 22E.

116' T.D. CAB DRILL HOLE #21 IN CAB CLAIM #123 DRILLED AT
128' SOUTH & 4420' EAST OF N.W. COR. SEC. 27, T. 20S., R. 22E.
REF: CAB POST #V-9 AT 240' SOUTH & 4500' EAST OF
N.W. COR. SEC. 27, T. 20S., R. 22E.

VALIDATION DRILLING FOR CAB CLAIMS #119 THRU #134

104 T.D.

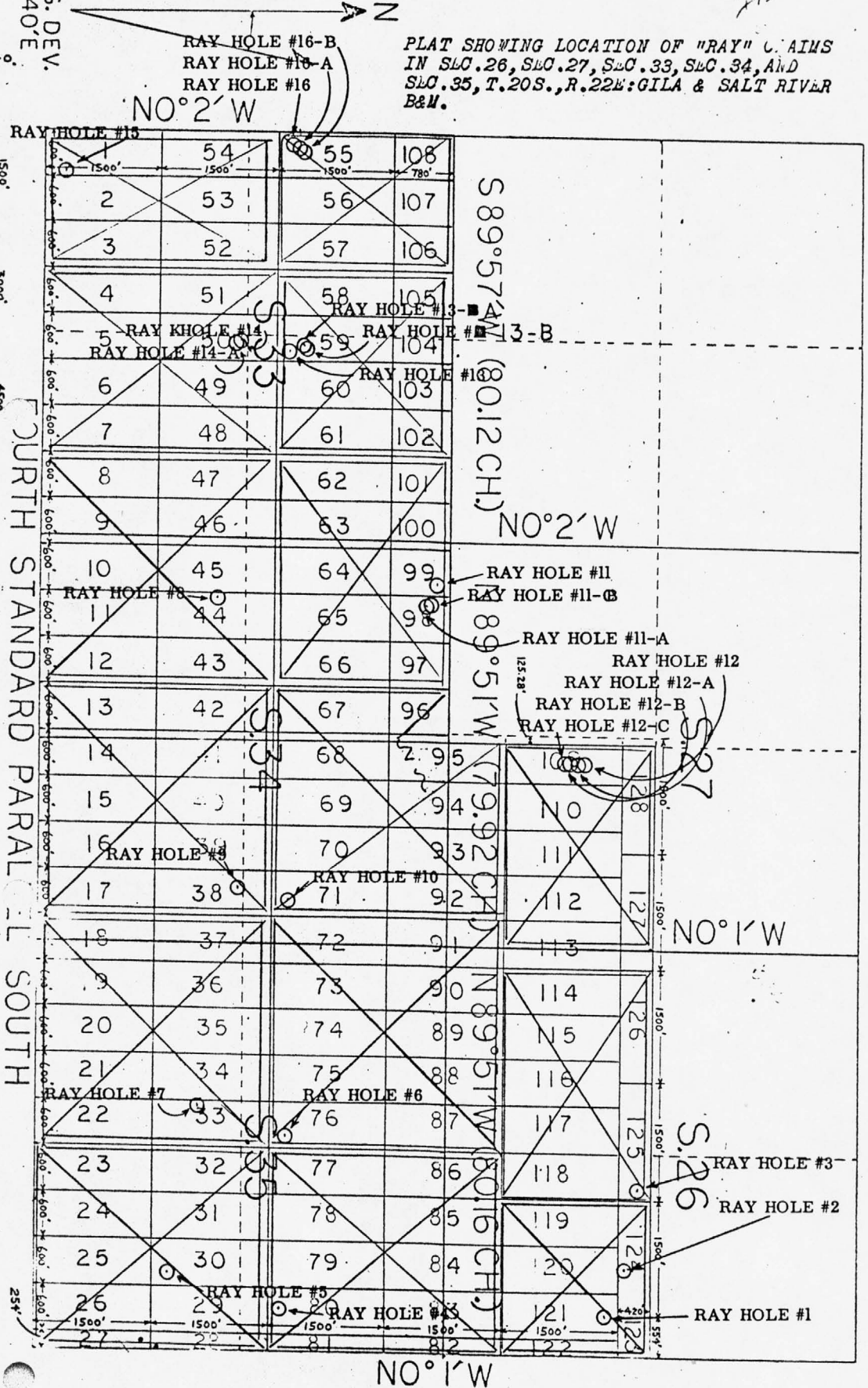
CAB DRILL HOLE #22 IN CAB CLAIM #121 DRILLED AT
1118' SOUTH & 3555' EAST OF N.W. COR. SEC. 27, T. 20S, R. 22E.
REF: CAB POST #T-6 AT 1140' SOUTH & 3000' EAST OF
N.W. COR. SEC. 27, T. 20S, R. 22E.

ITEM # 13

MAG. DEV.
12°40'E

PLAT SHOWING LOCATION OF "RAY" CLAIMS
IN S.E.C. 26, S.E.C. 27, S.E.C. 33, S.E.C. 34, AND
S.E.C. 35, T. 20 S., R. 22 E.: GILA & SALT RIVER
B&M.

SCALE 1 INCH = 1500 FEET



FOURTH STANDARD PARALLEL SOUTH

NO° 1' W

NO° 1' W

NO° 2' W

NO° 2' W

25'

S. 26

1	54	55	108
2	53	56	107
3	52	57	106
4	51	58	105
5	50	59	104
6	49	60	103
7	48	61	102
8	47	62	101
9	46	63	100
10	45	64	99
11	44	65	98
12	43	66	97
13	42	67	96
14	41	68	95
15	40	69	94
16	39	70	93
17	38	71	92
18	37	72	91
19	36	73	90
20	35	74	89
21	34	75	88
22	33	76	87
23	32	77	86
24	31	78	85
25	30	79	84
26	29	80	83
27	28	81	82

#15-A

"RAY" CLAIMS VALIDATION DRILL HOLES

DRILL HOLE #1	In	RAY CLAIM #121	At	120'	T. D.
DRILL HOLE #2	"	RAY CLAIM #124	"	120'	T. D.
DRILL HOLE #3	"	RAY CLAIM #125	"	120'	T. D.
DRILL HOLE #4	"	RAY CLAIM # 80	"	120'	T. D.
DRILL HOLE #5	"	RAY CLAIM # 30	"	120'	T. D.
DRILL HOLE #6	"	RAY CLAIM # 76	"	120'	T. D.
DRILL HOLE #7	"	RAY CLAIM # 33	"	120'	T. D.
DRILL HOLE #8	"	RAY CLAIM # 44	"	108'	T. D.
DRILL HOLE #9	"	RAY CLAIM # 38	"	120'	T. D.
DRILL HOLE #10	"	RAY CLAIM # 71	"	120'	T. D.
DRILL HOLE #11	"	RAY CLAIM # 99	"	48'	T. D.
DRILL HOLE #11-A	"	RAY CLAIM # 98	"	44'	T. D.
DRILL HOLE #11-B	"	RAY CLAIM # 98	"	36'	T. D.
DRILL HOLE #12	"	RAY CLAIM #109	"	36'	T. D.
DRILL HOLE #12-A	"	RAY CLAIM #109	"	36'	T. D.
DRILL HOLE #12-B	"	RAY CLAIM #109	"	36'	T. D.
DRILL HOLE #12-C	"	RAY CLAIM #109	"	36'	T. D.
DRILL HOLE #13	"	RAY CLAIM # 59	"	56'	T. D.
DRILL HOLE #13-A	"	RAY CLAIM # 59	"	24'	T. D.
DRILL HOLE #13-B	"	RAY CLAIM # 59	"	24'	T. D.
DRILL HOLE #14	"	RAY CLAIM # 50	"	12'	T. D.
DRILL HOLE #14-A	"	RAY CLAIM # 50	"	104'	T. D.
DRILL HOLE #15	"	RAY CLAIM # 1	"	72'	T. D.
DRILL HOLE #16	"	RAY CLAIM # 55	"	24'	T. D.
DRILL HOLE #16-A	"	RAY CLAIM # 55	"	20'	T. D.
DRILL HOLE #16-B	"	RAY CLAIM # 55	"	64'	T. D.

RAY VALIDATION DRILL HOLES.

RAY DRILL HOLE #1 IN RAY CLAIM #121 AT 1978' NORTH & 562' WEST OF S.E. COR SEC. 26, T. 20 S., R. 22 E.

REF: RAY POST #F-52 AT 2220' NORTH & 554' WEST OF S.E. COR SEC. 26
 RAY DRILL HOLE #1 AT SW 242' @ 182° (2°)
 $\cos(99.94 \times 242) = 242'$ LATERAL SOUTH & $\sin(3.49 \times 242) = 8'$ DEP. WEST
 \therefore RAY DRILL HOLE #1 AT (2220' - 242') = 1978' NORTH & (554' + 8') = 562' WEST OF S.E. COR. SEC. 26.

DRILLED JUNE 12, 1968 TO 120' T.D.

RAY DRILL HOLE #2 IN RAY CLAIM #124 AT 2228' NORTH & 1073' WEST OF S.E. COR SEC. 26, T. 20 S., R. 22 E.

REF: RAY POST #F-50 AT 2220' NORTH & 1154' WEST OF S.E. COR. SEC. 26
 RAY DRILL HOLE #2 AT N.E. 88' @ 82° (8°)
 $\cos(99.03 \times 82) = 81'$ LATERAL EAST & $\sin(13.92 \times 82) = 8'$ DEP. NORTH.
 \therefore RAY DRILL HOLE #2 AT (2220' + 8') = 2228' NORTH & (1154' - 81') = 1073' WEST OF S.E. COR. SEC. 26.

DRILLED JUNE 13, 1968 TO 120' T.D.

NOTE: RAY DRILL HOLES #1 & #2 AS VALIDATION DRILLING FOR RAY CLAIMS #~~119, #120, #121, #122, #123~~ #119, #120, #121, #122, #123 & #124

RAY VALIDATION DRILL HOLES

RAY DRILL HOLE #3 IN RAY CLAIM #125 AT 2476' NORTH & 2100' WEST OF S.E. COR. SEC 26, T.20S., R.22E.

REF: RAY POST #G-47 AT 2430' NORTH & 2054' WEST OF S.E. COR. SEC. 26
 RAY DRILL HOLE #3 AT N.W. 65' @ 315° (45°)
 $\cos(70.71 \times 65) = 46'$ LATERAL NORTH & $\sin(70.71 \times 65) = 46'$ DEP WEST
 \therefore RAY DRILL HOLE #3 AT (2430' + 46') = 2476' NORTH & (2054' + 46') = 2100' WEST OF S.E. COR. SEC. 26.

DRILLED JUNE 13, 1968 TO 120' T.D.

NOT. RAY DRILL HOLE #3 AS VALIDATION DRILLING FOR RAY CLAIMS #114, #115, #116, #117, #118, #125 & #126

RAY DRILL HOLE #4 IN RAY CLAIM #80 AT 3228' NORTH & 559' WEST OF S.E. COR. SEC. 35, T. 20S., R. 22E.

REF: RAY POST #C-52 AT 3000' NORTH & 554' WEST OF S.E. COR. SEC. 35
 RAY DRILL HOLE #4 AT N.W. 228' @ 358°45' (1°15')
 $\cos(99.48 \times 228) = 228'$ LATERAL NORTH & $\sin(99.48 \times 228) = 5'$ DEP WEST
 \therefore RAY DRILL HOLE #4 AT 3228' NORTH & 559' WEST OF S.E. COR. SEC. 35.

DRILLED JUNE 14, 1968 TO 120' T.D.

NOT. RAY DRILL HOLE #4 AS VALIDATION DRILLING FOR RAY CLAIMS #77, #78, #79, #80, #81, #82, #83, #84, #85 & #86.

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RAY VALIDATION DRILL HOLES.

<p>NOTE:</p>	<p>RAY DRILL HOLE #5 IN RAY CLAIM #29³⁰ AT 1794' NORTH & 1148' WEST OF S.E. COR. SEC. 35, T. 20S., R. 22E. REF: RAY POST # B-51 AT 1500' NORTH & 854' WEST OF S.E. COR. SEC. 35 RAY DRILL HOLE #5 AT N.W. 45° x 416' (45°). COS. (70.71 x 416') = 294' LATERAL NORTH & SIN (70.71 x 416') = 294' DEP. WEST. ∴ RAY DRILL HOLE #5 AT 1794' NORTH & 1148' WEST OF S.E. COR. SEC. 35. DRILLED JUNE 15, 1968 TO 120' T.D.</p>
<p>NOTE:</p>	<p>RAY DRILL HOLE #5 AS VALIDATION DRILLING FOR RAY CLAIMS # 23, #24, #25, #26, #27, #28, #29, #30, #31 & #32.</p>
<p>NOTE:</p>	<p>RAY DRILL HOLE #6 IN RAY CLAIM #76 AT 3313' NORTH & 3008' WEST OF S.E. COR. SEC. 35, T. 20S., R. 22E. REF: RAY POST # C-45 AT 3000' NORTH & 2654' WEST OF S.E. COR. SEC. 35. RAY DRILL HOLE #6 AT 472' N W @ 31° 30' (41° 30'). COS = 354' LATERAL WEST & SIN = 313' DEP. NORTH. ∴ RAY DRILL HOLE #6 AT (3000 + 313) = 3313' NORTH & (2654 + 354) = 3008' WEST OF S.E. COR. SEC. 35. DRILLED JUNE 15, 1968 TO 120' T.D.</p>
<p>NOTE:</p>	<p>RAY DRILL HOLE #6 AS VALIDATION DRILLING FOR RAY CLAIMS # 72, #73, #74, #75, #76, #77, #78, #79, #80 & #91.</p>

RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #7 AT IN RAY CLAIM #33 AT 2172' NORTH & 3171' WEST OF S.E. COR. SEC. 35, T. 20S, R. 22E. REF: RAY POST #C-45 AT 3000' NORTH & 2654' WEST OF S.E. COR. SEC. 35 RAY DRILL HOLE #8 AT 977' SW @ 212° (32°) $\cos(84.80 \times 977) = 828'$ LATERAL SOUTH & $\sin(52.99 \times 977) = 517'$ DEP. WEST. \therefore RAY DRILL HOLE #7 AT $(3000 - 828) = 2172'$ NORTH & $(2654 + 517)$ = 3171' WEST OF S.E. COR. SEC. 35.</p> <p>DRILLED JUNE 17, 1968 TO 120' T.D.</p>
NOTE:	<p>RAY DRILL HOLE #7 AS VALIDATION DRILLING FOR RAY CLAIMS #18, #19, #20, #21, #22, #33, #34, #35, #36 & #37.</p>
	<p>RAY DRILL HOLE #8 IN RAY CLAIM #44 AT 2262' NORTH & 738' EAST OF S.W. COR. SEC. 34, T. 20S, R. 22E. REF: RAY POST #C-21 AT 3000' NORTH & 712' EAST OF S.W. COR. SEC. 34. RAY DRILL HOLE AT 738' S.E. @ 178° (2°) $\cos(99.94 \times 738) = 738'$ LATERAL SOUTH & $\sin(3.49 \times 738) = 26'$ LATERAL EAST \therefore RAY DRILL HOLE #8 IS $(3000 - 738) = 2262'$ SOUTH & $(712 + 26) = 738'$ EAST OF S.W. COR. SEC. 34.</p> <p>DRILLED JUNE 17, 1968 TO 108' T.D.</p>
NOTE:	<p>RAY DRILL HOLE #8 AS VALIDATION DRILLING FOR RAY CLAIMS #8, #9, #10, #11, #12, #43, #44, #45, #46 & #47.</p>

RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #9 IN RAY CLAIM #38 AT 2662' SOUTH & 789' WEST OF N. E. COR. SEC. 34, T. 20S., R. 22E. REF: RAY POST #C-34 AT 2280' SOUTH & 665' WEST OF N. E. COR. SEC. 34 RAY DRILL HOLE #9 AT S.W. 402' @ 198° (18°) $\cos(95.11 \times 402') = 382'$ LATERAL SOUTH & $\sin(30.90 \times 402') = 124'$ DEP. WEST. \therefore RAY DRILL HOLE #9 IS 2662' SOUTH & 789' WEST OF N. E. COR. SEC. 34. DRILLED JUNE 18, 1968 TO 120' T.D.</p>
NOTE:	<p>RAY DRILL HOLE #9 AS VALIDATION DRILLING FOR RAY CLAIMS #13, #14, #15, #16, #17, #38, #39, #40, #41 & #42</p>
	<p>RAY DRILL HOLE #10 IN RAY CLAIM #71 AT 2044' SOUTH & 620' WEST OF N. E. COR. SEC. 34, T. 20S., R. 22E. REF: RAY POST #C-34 AT 2280' SOUTH & 665' WEST OF N. E. COR. SEC. 34 RAY DRILL HOLE #10 AT N.E. 240' @ 10° 45' $\cos(98.25 \times 240') = 236'$ LATERAL NORTH & $\sin(18.65 \times 240') = 45'$ DEP. EAST. \therefore RAY DRILL HOLE AT 2044' SOUTH & 620' WEST OF N. E. COR. SEC. 34.</p>
NOTE:	<p>DRILLED JUNE 18, 1968 TO 120' T.D. AS VALIDATION DRILLING FOR RAY CLAIMS #67, #68, #69, #70, #71, #92, #93, #94, #95 & #96.</p>

RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #11 IN RAY CLAIM #99 AT 253' SOUTH & 591' EAST OF N.W. COR. SEC. 34, T. 20S., R. 22E.</p>	<p>REF: RAY POST #E-21 AT 0' NORTH & 712' EAST OF N.W. COR. SEC. 34</p>	<p>RAY DRILL HOLE AT S.W. 280' @ 205°30' (25°30').</p>	<p>$\cos(90.26 \times 280) = 253'$ LATERAL SOUTH & $\sin(43.65 \times 280) = 121'$ WEST</p>	<p>\therefore RAY DRILL HOLE #11 AT (712' - 121') = 591' EAST & (0' + 253') = 253' SOUTH OF N.W. COR. SEC. 34.</p>
	<p>DRILLED JUNE 19, 1968 TO 48' T.D.</p>				
	<p>RAY DRILL HOLE #11-A IN RAY CLAIM #98 AT 352' SOUTH & 901' EAST OF N.W. COR. SEC. 34, T. 20S., R. 22E.</p>	<p>REF: RAY POST #E-21 AT 0' NORTH & 712' EAST OF N.W. COR. SEC. 34</p>	<p>RAY DRILL HOLE AT S.E. 400' @ 151°45' (28°15').</p>	<p>$\cos(88.09 \times 400) = 352'$ SOUTH & $\sin(47.33 \times 400) = 189'$ DEP. EAST.</p>	<p>\therefore RAY DRILL HOLE #11-A AT (0' + 352') = 352' SOUTH & (712' + 189') = 901' EAST OF N.W. COR. SEC. 34.</p>
	<p>DRILLED JUNE 19, 1968 TO 44' T.D.</p>				
	<p>RAY DRILL HOLE #11-B IN RAY CLAIM #98 AT 277' SOUTH & 892' EAST OF N.W. COR. SEC. 34, T. 20S., R. 22E.</p>	<p>REF: RAY POST #E-21 AT 0' NORTH & 712' EAST OF N.W. COR. SEC. 34</p>	<p>RAY DRILL HOLE #11-B AT S.E. 330' @ 147° (33°).</p>	<p>$\cos(83.87 \times 330) = 277'$ LATERAL SOUTH & $\sin(54.46 \times 330) = 180'$ DEP. EAST.</p>	<p>\therefore RAY DRILL HOLE #11-B AT (0' + 277') = 277' SOUTH & (712' + 180') = 892' EAST OF N.W. COR. SEC. 34.</p>
	<p>DRILLED JUNE 19, 1968 TO 36' T.D.</p>				
<p>OTE:</p>	<p>RAY DRILL HOLES #11, #11-A & #11-B AS VALIDATION DRILLING FOR RAY CLAIMS #62, #63, #64, #65, #66, #97, #98, #99, #100 & #101.</p>				

RAY VALIDATION DRILL HOLES.

RAY DRILL HOLE #12 IN RAY CLAIM #109 AT 1702' NORTH & 2492' WEST
OF S.E. COR. SEC. 27, T. 20S., R. 22E.
REF: RAY POST #F-28 AT 2220' NORTH & 2463' WEST OF S.E. COR. SEC. 27.
RAY DRILL HOLE #12 AT 518' SOUTH & 29' WEST OF RAY POST #F-28
" " " " #12 AT $(2220' - 518') = 1702'$ NORTH & $(2463' + 29') = 2492'$
WEST OF S.E. COR. SEC. 27.

DRILLED JUNE 19, 1968 TO 36' T.D.

RAY DRILL HOLE #12-A IN RAY CLAIM #109 AT 1682' NORTH & 2492' WEST
OF S.E. COR. SEC. 27, T. 20S., R. 22E.
(RAY DRILL HOLE #12-A IS LOCATED 20' SOUTH OF RAY DRILL HOLE #12)

DRILLED JUNE 19, 1968 TO 36' T.D.

RAY DRILL HOLE #12-B IN RAY CLAIM #109 AT 1642' NORTH & 2492' WEST
OF S.E. COR. SEC. 27, T. 20S., R. 22E.
(RAY DRILL HOLE #12-B IS LOCATED 60' SOUTH OF RAY DRILL HOLE #12)

DRILLED JUNE 19, 1968 TO 36' T.D.

RAY DRILL HOLE #12-C IN RAY CLAIM #109 AT 1622' NORTH & 2492' WEST
OF S.E. COR. SEC. 27, T. 20S., R. 22E.
(RAY DRILL HOLE #12-C IS LOCATED 80' SOUTH OF RAY DRILL HOLE #12)

DRILLED JUNE 19, 1968 TO 36' T.D.

OTE: RAY DRILL HOLES #12, #12-A, #12-B & #12-C AS VALIDATION
DRILLING FOR RAY CLAIMS #109, #110, #111, #112, #113, #127 & #128.

RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #13 IN RAY CLAIM #59 AT 3190' NORTH & 2939' EAST OF S.W. COR. SEC. 33, T. 20S, R. 22E.</p> <p>REF: RAY POS #C-11 @ 3000' NORTH & 3000' EAST OF S.W. COR. SEC. 33 RAY DRILL HOLE #13 @ N.W. 200' @ 342° (8°)</p> <p>$\cos(95.24 \times 200) = 190'$ LATERAL NORTH & $\sin(30.47 \times 200) = 61'$ DEP. WEST.</p> <p>\therefore RAY DRILL HOLE #13 AT 3190' NORTH & $(3000 - 61) = 2939'$ EAST OF S.W. COR. SEC. 33.</p>				
	<p>DRILLED JUNE 20, 1968 TO 56' T.D.</p>				
	<p>RAY DRILL HOLE #13-A IN RAY CLAIM #59 AT 3338' NORTH & 2928' EAST OF S.W. COR. SEC. 33, T. 20S, R. 22E.</p> <p>REF: RAY POST #C-10 @ 3000' NORTH & 2700' EAST OF S.W. COR. SEC. 33 RAY DRILL HOLE #13-A @ 408' N.E. @ 34° (34°)</p> <p>$\cos(82.90 \times 408) = 338'$ NORTH & $\sin(55.92 \times 408) = 228'$ DEP. EAST.</p> <p>\therefore RAY DRILL HOLE #13-A AT $(3000 + 338) = 3338'$ NORTH & $(2700 + 228) = 2928'$ EAST OF S.W. COR. SEC. 33.</p>				
	<p>DRILLED JUNE 20, 1968 TO 24' T.D.</p>				
<p>NOTE:</p>	<p>DRILL HOLES #13, #13-A & #13-B AS VALIDATION DRILLING FOR RAY CLAIMS #58, #59, #60, #61, #102, #103, #104 & #105.</p>				

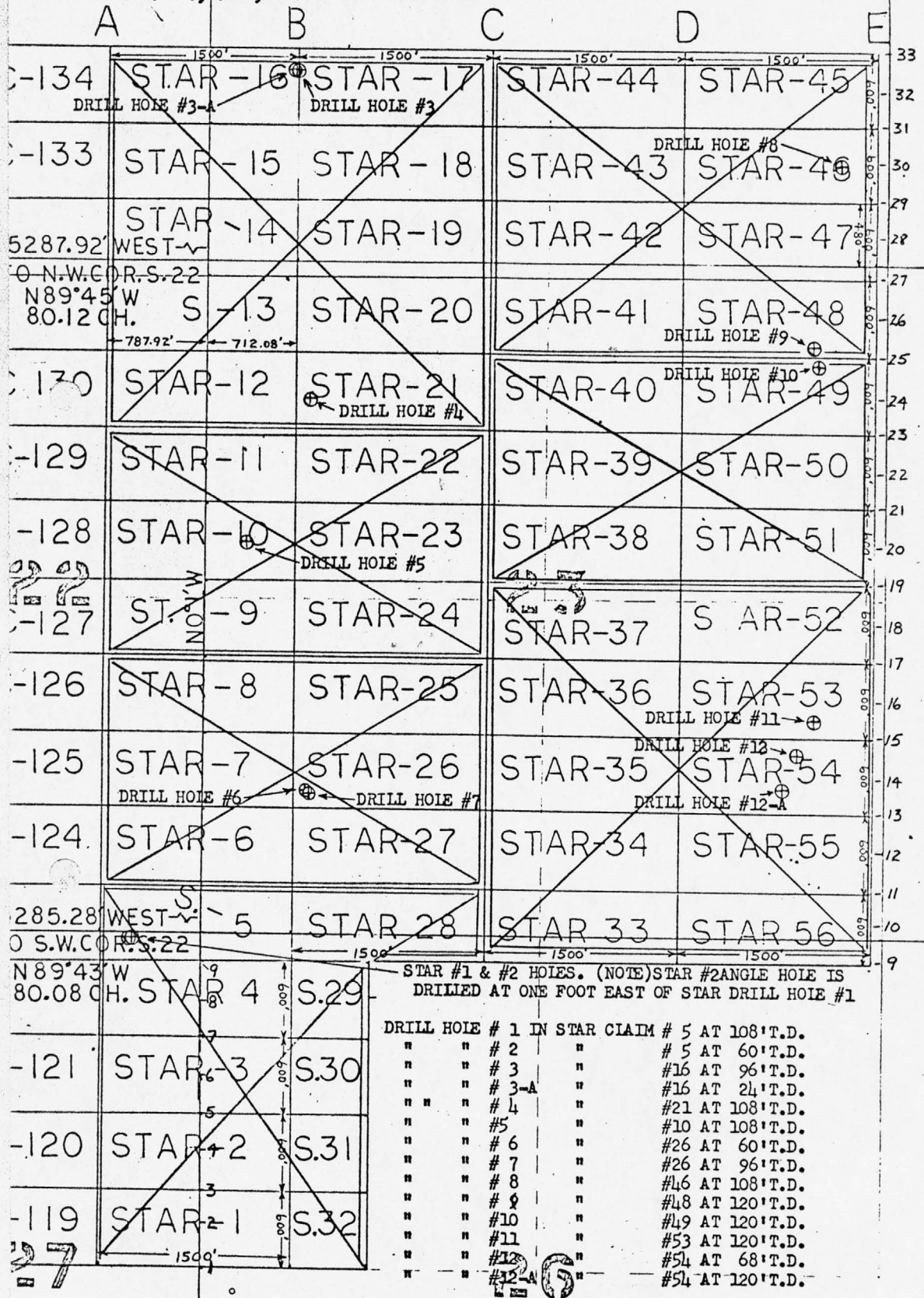
RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #14 IN RAY CLAIM #50 AT 2540' NORTH & 2868' EAST OF S.W. COR SEC. 33, T. 20S., R. 22E. REF: RAY POST #C-10 AT 3000' NORTH & 2700' EAST OF S.W. COR SEC. 33 RAY DRILL HOLE #14 AT S.E. 490' X 160° (20°) $\therefore \cos (93.97 \times 490) = 460'$ LATERAL SOUTH & $\sin (34.20 \times 490) = 168'$ DEP EAST \therefore DRILL HOLE #14 AT (3000 - 460) = 2540' NORTH & (2700 + 168) = 2868' EAST OF S.W. COR. SEC. 33.</p>			
	<p>DRILLED JUNE 20, 1968 TO 12' T.D.</p>			
	<p>DRILL HOLE #14-A IN RAY CLAIM #50 AT 2523' NORTH & 2895' EAST OF S.W. COR. SEC. 33, T. 20S., R. 22E. REF: RAY POST #C-10 AT 3000' NORTH & 2700' EAST OF S.W. COR. SEC. 33. RAY DRILL HOLE #14-A AT S.E. 515' @ 157° 45' (22° 15'). $\therefore \cos (92.55 \times 515) = 477'$ LATERAL SOUTH & $\sin (37.86 \times 515) = 195'$ DEP. WEST \therefore RAY DRILL HOLE #14-A AT (3000 - 477) = 2523' NORTH & (2700 + 195) EAST OF S.W. COR. SEC. 33</p>			
	<p>DRILLED JUNE 20, 1968 TO 104' T.D.</p>			
<p>NOTE:</p>	<p>DRILL HOLES #14 & #14-A AS VALIDATION DRILLING FOR RAY CLAIMS #4, #5, #6, #7, #48, #49, #50 & #51.</p>			
	<p>RAY DRILL HOLE #15 IN RAY CLAIM #1 AT 366' NORTH & 525' EAST OF S.W. COR SEC. 33, T. 20S., R. 22E, REF: RAY POST #A-3 AT 0 NORTH & 600 EAST OF S.W. COR. SEC 33. RAY DRILL HOLE #15 AT N.W. 374' @ 348° 30' (11° 30') $\therefore \cos (97.99 \times 374) = 366'$ NORTH & $\sin (19.94 \times 374) = 75'$ DEP. WEST \therefore DRILL HOLE #15 AT 366' NORTH & (600 - 75) = 525' WEST OF S.W. CORNER OF SEC. 33</p>			
	<p>DRILLED JUNE 21, 1968 TO 72' T.D.</p>			
<p>NOTE:</p>	<p>RAY DRILL HOLE #15 AS VALIDATION DRILLING FOR RAY CLAIMS #1, #2, #3, #52, #53 & #54.</p>			

RAY VALIDATION DRILL HOLES.

	<p>RAY DRILL HOLE #16 IN RAY CLAIM #55 AT 3280' NORTH & 259' EAST OF S.W. COR. SEC. 33, T. 20 S., R. 22 E.</p> <p>REF: RAY POST #C-1 AT 3000' NORTH & 0' EAST OF S.W. COR. SEC. 33</p> <p>RAY DRILL HOLE #16 AT N.E. 382' @ 42°45' (42°45')</p> <p>∴ $\cos(73.43 \times 382) = 280'$ LATERAL NORTH & $\sin(67.88 \times 382) = 259'$ DEP. EAST.</p> <p>∴ DRILL HOLE #16 AT $(3000 + 280) = 3280'$ NORTH & 259' EAST OF S.W. COR. SEC. 33.</p> <p>DRILLED JUNE 21, 1968 TO 24' T.D.</p>		
	<p>RAY DRILL HOLE #16-A IN RAY CLAIM #55 AT 3335' NORTH & 291' EAST OF S.W. COR. SEC. 33, T. 20 S., R. 22 E.</p> <p>REF: RAY POST #C-1 AT 3000' NORTH & 0' EAST OF S.W. COR. SEC. 33</p> <p>RAY DRILL HOLE #16-A AT N.E. 444' @ 41° (41°)</p> <p>∴ $\cos(75.47 \times 444) = 335'$ LATERAL NORTH & $\sin(65.61 \times 444) = 291'$ DEP. EAST.</p> <p>∴ RAY DRILL HOLE #16-A AT 3335' NORTH & 291' EAST OF S.W. COR. SEC. 33.</p> <p>DRILLED JUNE 21, 1968 TO 20' T.D.</p>		
	<p>RAY DRILL HOLE #16-B IN RAY CLAIM #55 AT 3356' NORTH & 307' EAST OF S.W. COR. SEC. 33, T. 20 S., R. 22 E.</p> <p>REF: RAY POST #C-1 AT 3000' NORTH & 0' EAST OF S.W. COR. SEC. 33</p> <p>RAY DRILL HOLE #16-B AT N.E. 470' @ 40°45' (40°45')</p> <p>∴ $\cos(75.76 \times 470) = 356'$ LATERAL NORTH & $\sin(65.28 \times 470) = 307'$ DEP. EAST.</p> <p>∴ RAY DRILL HOLE #16-B AT $(3000 + 356) = 3356'$ NORTH & $(0 + 307) = 307'$ EAST OF S.W. COR. SEC. 33.</p> <p>DRILLED JUNE 21, 1968 TO 64' T.D.</p>		
NOTE:	<p>RAY DRILL HOLES #16, #16-A & #16-B AS VALIDATION DRILLING FOR RAY CLAIMS #55, #56, #57, #106, #107 & #108</p>		
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PLAT SHOWING LOCATION OF "STAR CLAIMS" IN SEC. 11, SEC. 15, SEC. 22, SEC. 23, SEC. 26 & SEC. 27 T. 20S., R. 22E; GILA & SALT RIVER B. & M.



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- "STAR" CLAIMS VALIDATION DRILL HOLES -

DRILL HOLE # 1. IN STAR CLAIM # 5 AT 108' T. D.

#2	#5	60'
#3	#16	96'
#3-A	#16	24'
#4	#21	108'
#5	#10	108'
#6	#26	60'
#7	#26	96'
#8	#46	108'
#9	#48	120'
#10	#49	120'
#11	#53	120'
#12	#54	68'
#12-A	#54	120'

STAR CLAIMS VALIDATION DRILL HOLES.

- 108' T.D. STAR HOLE #1 IN STAR CLAIM #5 DRILLED AT
4661' EAST & 54' SOUTH OF N.W. COR. SEC. 27, T. 20S., R. 22E.
- 60' T.D. STAR HOLE #2 IN STAR CLAIM #5 DRILLED AT (ANGLE 32°N)
4662' EAST & 54' SOUTH OF N.W. COR. SEC. 27, T. 20S., R. 22E.
- NOTE: BOTH STAR #1 & #2 HOLES DRILLED ON E↔W SPUR ROAD
SOUTH OF AJAX HILL.
- 96' T.D. STAR HOLE #3 ON EAST LINE OF STAR CLAIM #16 DRILLED
AT 712' EAST & 1540' NORTH OF S.W. COR. SEC. 14, T. 20S., R. 22E.
REF: 160' NORTH OF STAR POST #B-32.
- 24' T.D. STAR HOLE #3-A IN STAR CLAIM #16 DRILLED AT
707' EAST & 1540' NORTH OF S.W. COR. SEC. 14, T. 20S., R. 22E.
REF: STAR POST #B-32 AT 712' EAST & 1380' NORTH OF
S.W. COR. SEC. 14.
- 108' T.D. STAR DRILL HOLE #4 IN STAR CLAIM #21 AT 784' EAST &
1065' SOUTH OF N.W. COR. SEC. 23, T. 20S., R. 22E.
REF: DRILLED AT 72' EAST & 45' SOUTH OF STAR POST #B-24
AT 712' EAST & 1020' SOUTH OF N.W. COR. SEC. 23.
- 108' D. STAR HOLE #5 IN STAR CLAIM #10 AT 356' EAST & 2183' SOUTH
OF N.W. COR. SEC. 23, T. 20S., R. 22E.
REF: DRILLED AT 34' EAST & 37' NORTH OF STAR POST #B-20
AT 712' EAST & 2220' SOUTH OF S.W. COR. SEC. 23.
- 60' T.D. STAR HOLE #6 IN STAR CLAIM #26 AT 1100' NORTH & 839'
EAST OF S.W. COR. SEC. 23, T. 20S., R. 22E.
REF: (STAR POST #B-14) HOLE DRILLED AT 160' SOUTH & 127'
EAST OF STAR POST #B-14 WHICH IS 1260' NORTH & 712' EAST
OF S.W. COR. SEC. 23, T. 20S., R. 22E.

STAR CLAIMS VALIDATION DRILL HOLES

- 96' T.D. STAR DRILL HOLE #7 IN STAR CLAIM #26 AT 1034' NORTH & 884' EAST OF S.W. COR. SEC. 23, T. 20S, R. 22E.
REF: DRILLED AT 66' SOUTH & 45' EAST OF STAR DRILL HOLE #6 AT 1100' NORTH & 839' EAST OF S.W. COR. SEC. 23.
- 108' T.D. STAR DRILL HOLE #8 IN STAR CLAIM #46 AT 843' NORTH & 320' WEST OF S.E. COR. SEC. 14, T. 20S, R. 22E.
REF: STAR POST #E-29 AT 480' NORTH & 75' WEST OF S.E. COR. SEC. 14.
- 120' T.D. STAR DRILL HOLE #9 IN STAR CLAIM #48 AT 672' SOUTH & 564' WEST OF N.E. COR. SEC. 23, T. 20S, R. 22E.
REF: STAR POST #E-25 AT 720' SOUTH & 75' WEST OF N.E. COR. SEC. 23.
- 120' T.D. STAR DRILL HOLE #10 IN STAR CLAIM #49 AT 815' SOUTH & 600' WEST OF N.E. COR. SEC. 23, T. 20S, R. 22E.
REF: STAR POST #E-25 AT 720' SOUTH & 75' WEST OF N.E. COR. SEC. 23.
- 120' T.D. STAR DRILL HOLE #11 IN STAR CLAIM #53 AT 451' WEST & 3575' SOUTH OF N.E. COR. SEC. 23, T. 20S, R. 22E.
REF: STAR POST #16 AT 3420' SOUTH & 75' WEST OF N.E. COR. SEC. 23.
∴ STAR HOLE #11 AT 376' WEST & 155' SOUTH OF STAR POST #E-16
- 68' T.D. STAR DRILL HOLE #12 IN STAR CLAIM #54 AT 663' WEST & 3878' SOUTH OF N.E. COR. SEC. 23, T. 20S, R. 22E.
REF: DRILLED AT 303' SOUTH & 212' WEST OF STAR DRILL HOLE #11 WHICH IS 451' WEST & 3575' SOUTH OF N.E. COR. SEC. 23.

STAR CLAIMS VALIDATION DRILL HOLES

120' T.D. STAR DRILL HOLE #12-A IN STAR CLAIM #54 AT 794' WEST
§ 4129' SOUTH OF N.E. COR. SEC. 23, T. 20S., R. 22E.
REF: DRILLED AT 554' SOUTH § 343' WEST OF STAR DRILL
HOLE #11 AT 451' WEST § 3575' SOUTH OF N.E. COR. SEC. 23
(NOTE:) HOLE #12-A AT APPROX 720' WEST § 180' NORTH OF
STAR POST #E-13



Registered Assayers
OVER 50 YEARS

HAWLEY & HAWLEY

ASSAYERS AND CHEMISTS, INC.
BOX 50106 1700 W. GRANT RD.,
TUCSON, ARIZONA 85703 (602) 622-4836

BRANCHES

Douglas
Hayden
Morenci
Inspiration
El Paso
St. Louis

IDENTIFICATION	Gold OPT	Silver PPM	Lead %	Copper PPM	Zinc %	Mo. %			
RESULTS OF GEO-CHEM TESTS ON TMR DRILLHOLE T.D. SAMPLES									
<u>LEGEND</u>									
C-1 : CAB Claims Drillholes									
R-2 : RAY Claims Drillholes									
S-1 : STAR Claims Drillholes									
TMR-4: Sec. 20									
TMR W.W: Sec. 21 Drillholes									
COMP: Composite Sample Per No's									
CORE Splits 375		ppm		ppm					
From hole 425		1.2		50					
TMR #1 475		0.6		17					
518		0.6		18					
556		0.7		14					
605		0.7		15					
640		0.8		14					
686		1.6		24					
737		0.9		16					
784		0.7		19					
820		0.7		27					
		0.6		17					
Number Illegible		1.1		20					
906		0.6		23					
925		0.7		18					
C - 1 89 - 95		1.5		24					
C - 3 139 - 145		0.8		19					
C - 4 119 - 125		1.0		27					
C - 5 19 - 25		1.4		22					
C - 5 A 119 - 125		1.1		19					
C - 8 154 - 160		1.1		22					
C - 9 114 - 120		1.0		22					
C -13 154 - 160		0.8		15					
C -14 154 - 160		0.8		15					
C -18 110 - 116		0.7		33					
C -21 110 - 116		0.6		39					
C -24 96 - 108		0.7		48					

TMR #4 & WW
Note TMR #1
must be AN
earlier hole
than Sierra's
because of date

CC:	Tenneco Oil Company	REMARKS:	Analysis Cert. By
ADD:	Attn: Mr. John Beeder	Page 1	
CITY:	2624 Borth 1st Avenue	Trace analysis	
ADD:	Tucson, Arizona 85719		
CITY:			Preparation 5
			Analysis 5

ACC:	DATE SPL. RECEIVED	DATE COMPL.	PREP. NO.
TENNECO OIL COMPANY	10/15/71	10/20/71	Tuc 345701

		Silver	COPPER	
		ppm	ppm	
C - 36	50 - 56	0.5	20	
R - 2	114 - 120	0.8	17	
R - 2	102 - 108	0.4	16	
R - 10	114 - 120	1.9	24	
R - 11	30 - 36	1.2	53	
R - 12	30 - 36	1.6	35	
R - 15	54 - 60	0.9	44	
R - 16 B	12 - 18	1.6	28	
S - 1	102 - 108	0.8	12	
S - 3	78 - 84	3.0	41	
S - 4	102 - 108	0.6	123	
S - 5	102 - 108	0.9	59	
S - 7	90 - 96	1.2	18	
S - 8	102 - 108	1.7	38	
S - 10	114 - 120	2.2	58	
T.M.R. - 4	245	0.9	19	
W - W	495	0.9	25	
<u>Comp</u>				
C - 6	102 - 125	0.8	22	C6, 7, 28 & 27
C - 10	154 - 165	0.7	25	C10 & 11
C - 12 A	96 - 160	0.6	20	C12A & 22
C - 15	64 - 160	0.4	14	C15, 16, 37 & 17
R - 4	108 - 120	1.7	37	R4, 5, 6 & 7
R - 13	50 - 104	1.0	38	R13, 13A & 13B
S - 11	114 - 120	1.9	27	S11 & 12A

Tenneco Oil Company
 Attn: Mr. John Beeder
 2624 North 1st Avenue
 Tucson, Arizona 85719

Page 2
 Trace analysis

36 samples pulverized	23.40
14 samples full	12.60
\$200.00 less 6% discount	188.00

TENNECO OIL COMPANY

10/15/71

10/20/71

Tuc 345701

224.00

838-5939
870-3749

PACIFIC SPECTROCHEMICAL LABORATORY, INC.

CHEMICAL AND SPECTROGRAPHIC ANALYSIS

RESEARCH

2558 Overland Avenue
Los Angeles, California 90064

TMR DRILLHOLE #1
327' - 332.5'

ATTN: Mr. Wil Wright

September 23, 1969

Report of semiquantitative spectrographic analysis of sample submitted by

Southwestern Assayers & Chemists
P.O. Box 7517
Tucson, Arizona 85713

	TM-3		
Silicon-	18. %	Antimony-	not detected - less than 0.008%
Aluminum-	13.	Arsenic-	" " 0.05
Potassium-	13.	Beryllium-	" " 0.0003
Iron-	3.4	Bismuth-	" " 0.001
Calcium-	2.0	Boron-	" " 0.002
Magnesium-	0.69	Cadmium-	" " 0.006
Manganese-	0.049	Cesium-	" " 0.20
Sodium-	5.0	Columbium-	" " 0.02
Barium-	0.069	Germanium-	" " 0.003
Titanium-	0.53	Gold-	" " 0.001
Gallium-	0.0064	Hafnium-	" " 0.05
Vanadium-	0.0043	Indium-	" " 0.007
Copper-	0.014	Lithium-	" " 0.02
Nickel-	0.0022	Mercury-	" " 0.09
Zirconium-	0.030	Platinum-	" " 0.002
Ytterbium-	0.013	Phosphorus-	" " 0.50
Strontium-	0.026	Potassium-	" " 0.20
Chromium-	0.016	Rhenium-	" " 0.005
Lead-	trace	Ruthenium-	" " 0.01
	less than 0.01	Rubidium-	" " 0.20
Molybdenum-	trace	Silver-	" " 0.0001
	less than 0.002	Tantalum-	" " 0.05
Cobalt-	trace	Tellurium-	" " 0.04
	less than 0.001	Thallium-	" " 0.10
Lanthanum-	trace	Tin-	" " 0.003
	less than 0.002	Tungsten-	" " 0.05
		Zinc-	" " 0.03
		Other rare earths-	nil

Respectfully submitted,

PACIFIC SPECTROCHEMICAL LABORATORY, INC.

838-5939
870-3748

PACIFIC SPECTROCHEMICAL LABORATORY, INC.

CHEMICAL AND SPECTROGRAPHIC ANALYSIS

RESEARCH

2558 Overland Avenue
Los Angeles, California 90064

*TMR DRILLHOLE #1
502'-507'*

Attn: Mr. Wil Wright

September 26, 1969

Report of semiquantitative spectrographic analysis of sample
submitted by

Southwestern Assayers & Chemists
P. O. Box 7517
Tucson, Arizona 85713

TM-11

Silicon-	18.%	Bismuth-	not detected-less than	0.001%
Aluminum-	12.	Boron-	" "	0.002
Calcium-	0.33	Cadmium-	" "	0.006
Potassium-	17.	Cesium-	" "	0.20
Sodium-	4.2	Columbium-	" "	0.02
Iron-	2.7	Germanium-	" "	0.003
Magnesium-	0.56	Gold-	" "	0.001
Titanium-	0.58	Hafnium-	" "	0.05
Lead-	0.038	Indium-	" "	0.007
Gallium-	0.011	Lithium-	" "	0.02
Manganese-	0.039	Mercury	" "	0.09
Vanadium-	0.0061	Molybdenum-	" "	0.002
Copper-	0.0055	Platinum-	" "	0.002
Nickel-	0.0017	Phosphorus-	" "	0.50
Zirconium-	0.038	Rhenium-	" "	0.005
Strontium-	0.022	Ruthenium-	" "	0.01
Chromium-	0.0083	Rubidium-	" "	0.20
Cobalt-	trace	Silver-	" "	0.0001
	less than 0.001	Tantalum	" "	0.05
Antimony-	not detected	Tellurium-	" "	0.04
	less than 0.008	Thallium-	" "	0.10
Arsenic-	not detected	Tin-	" "	0.003
	less than 0.05	Tungsten-	" "	0.05
Barium-	not detected	Zinc-	" "	0.03
	less than 0.05	Rare Earths-	nil	
Beryllium-	not detected			
	less than 0.0003			

Respectfully submitted,

PACIFIC SPECTROCHEMICAL LABORATORY, INC.

838-5939
870-3749

PACIFIC SPECTROCHEMICAL LABORATORY, INC.

CHEMICAL AND SPECTROGRAPHIC ANALYSIS

RESEARCH

2558 Overland Avenue
Los Angeles, California 90064

*TMR DRILLHOLE #1
929'-931'*

Attn: Mr. Wil Wright

December 1, 1969

Report of semiquantitative spectrographic analysis of sample submitted by

Southwestern Assayers & Chemists, Inc.
P. O. Box 7517
Tucson, Arizona 85713

005312-TM-35

Silicon-	22.%	Antimony-	not detected-less than	0.008%
Aluminum-	12.	Arsenic-	" "	0.05
Potassium-	9.1	Beryllium-	" "	0.0003
Sodium-	3.2	Bismuth-	" "	0.001
Iron-	1.3	Boron-	" "	0.002
Calcium-	1.7	Cadmium-	" "	0.006
Magnesium-	0.90	Cesium-	" "	0.20
Titanium-	0.55	Columbium-	" "	0.02
Manganese-	0.074	Germanium-	" "	0.003
Gallium-	0.0088	Gold-	" "	0.001
Molybdenum-	0.0050	Hafnium-	" "	0.05
Vanadium-	0.0059	Indium-	" "	0.007
Copper-	0.0070	Lithium-	" "	0.02
Zirconium-	0.025	Mercury-	" "	0.09
Strontium-	0.022	Platinum-	" "	0.002
Chromium-	0.0054	Phosphorus-	" "	0.50
Barium-	trace	Rhenium-	" "	0.005
	less than 0.05	Ruthenium-	" "	0.01
Lead-	trace	Silver-	" "	0.001
	less than 0.01	Rubidium-	" "	0.20
Nickel-	trace	Tantalum-	" "	0.05
	less than 0.0009	Tellurium-	" "	0.04
Cobalt-	trace	Thallium-	" "	0.10
	less than 0.001	Tin-	" "	0.003
Ytterbium-	trace	Tungsten-	" "	0.05
	less than 0.004	Zinc-	" "	0.03
Lanthanum-	trace	Other Rare Earths-	nil	
	less than 0.002			

Respectfully submitted,

Hal W. Johnson
PACIFIC SPECTROCHEMICAL LABORATORY, INC.

700 E

500 E

700 E

900 E

400 N

200 N

400 N

200 N

500 E





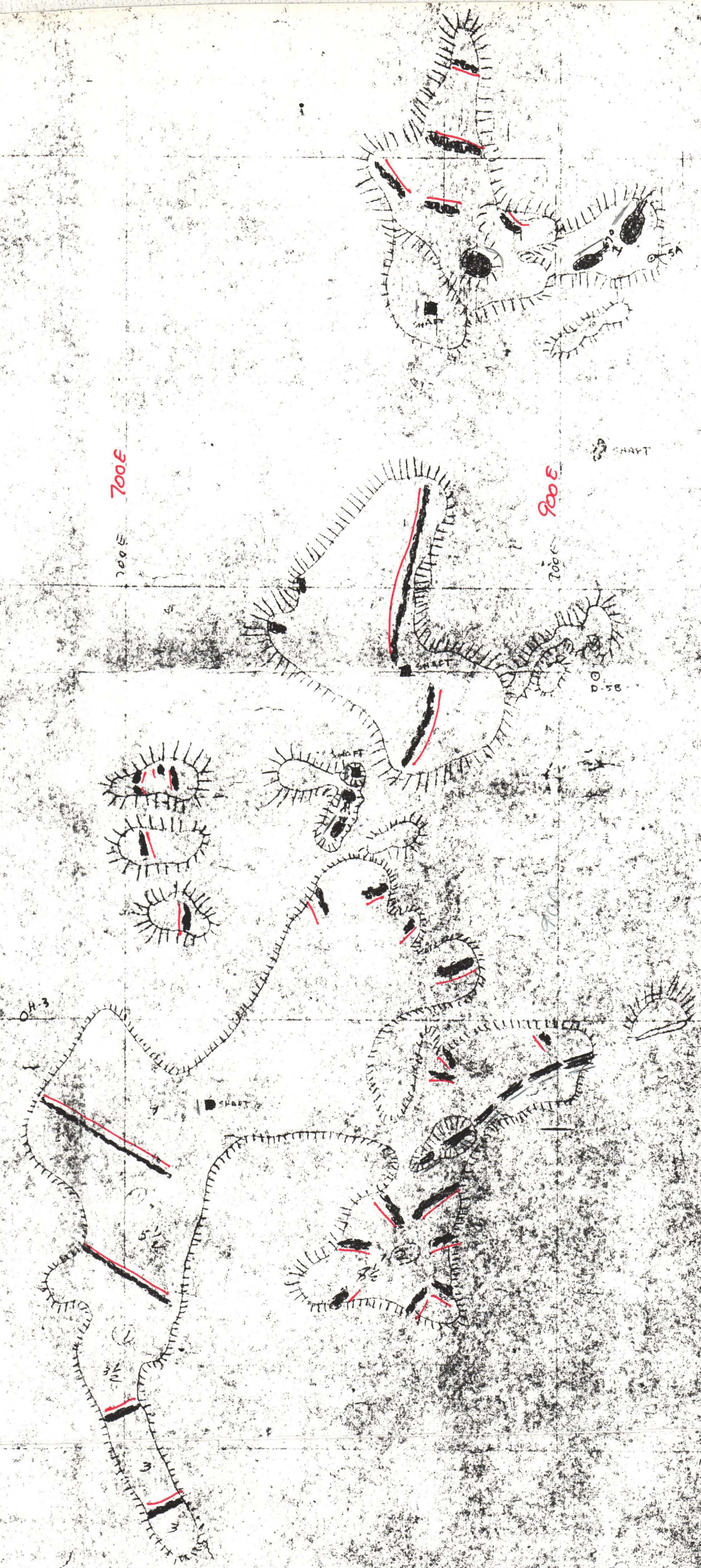
024-1

024

023

0100 N

CHANCE - BONANZE
 DOLPHS = 1" = 50'
 SAMPLE CUTS 
 VEINS & OPEN CUTS 



500E

1000E

1500E

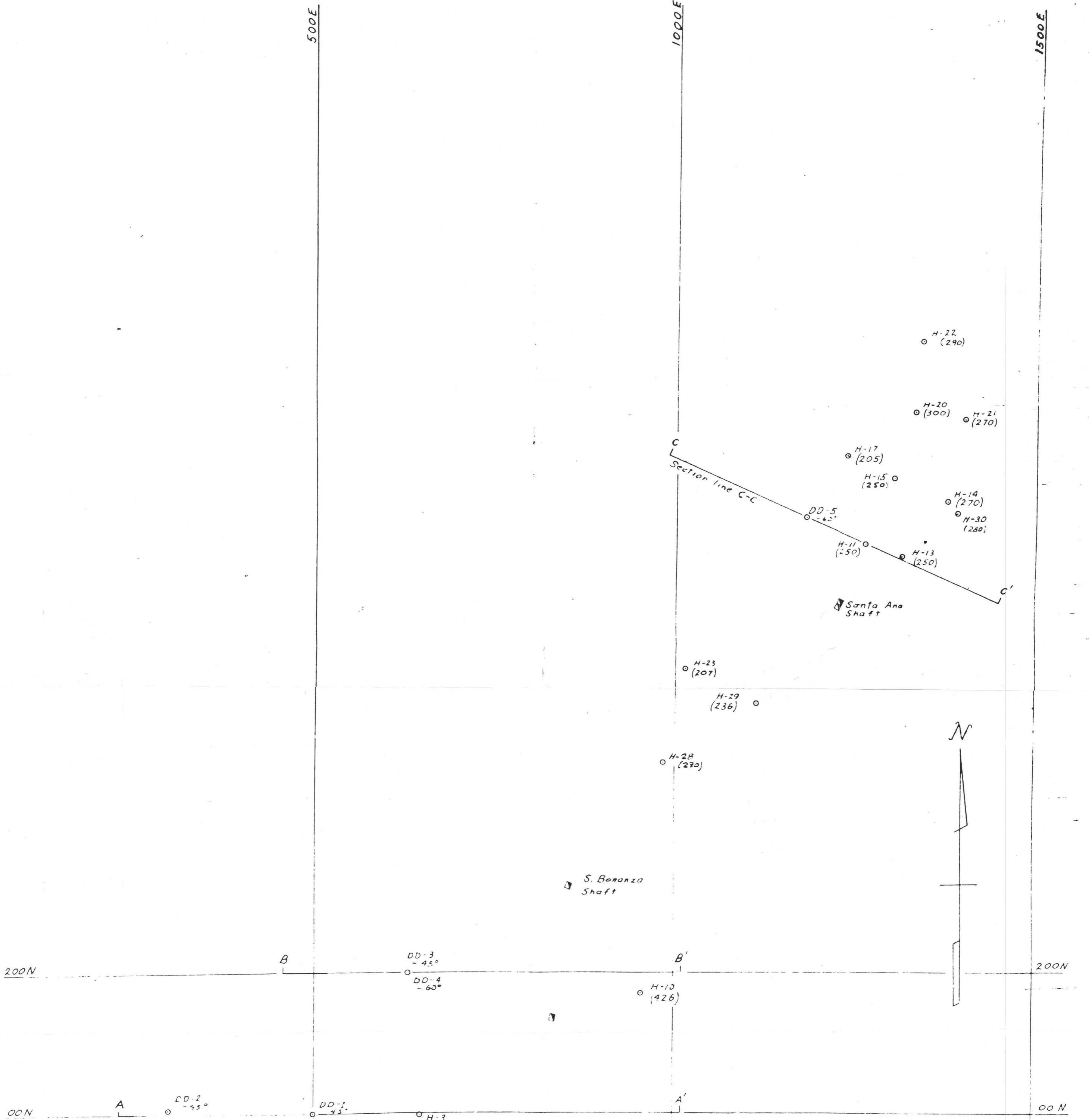
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200N

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200N

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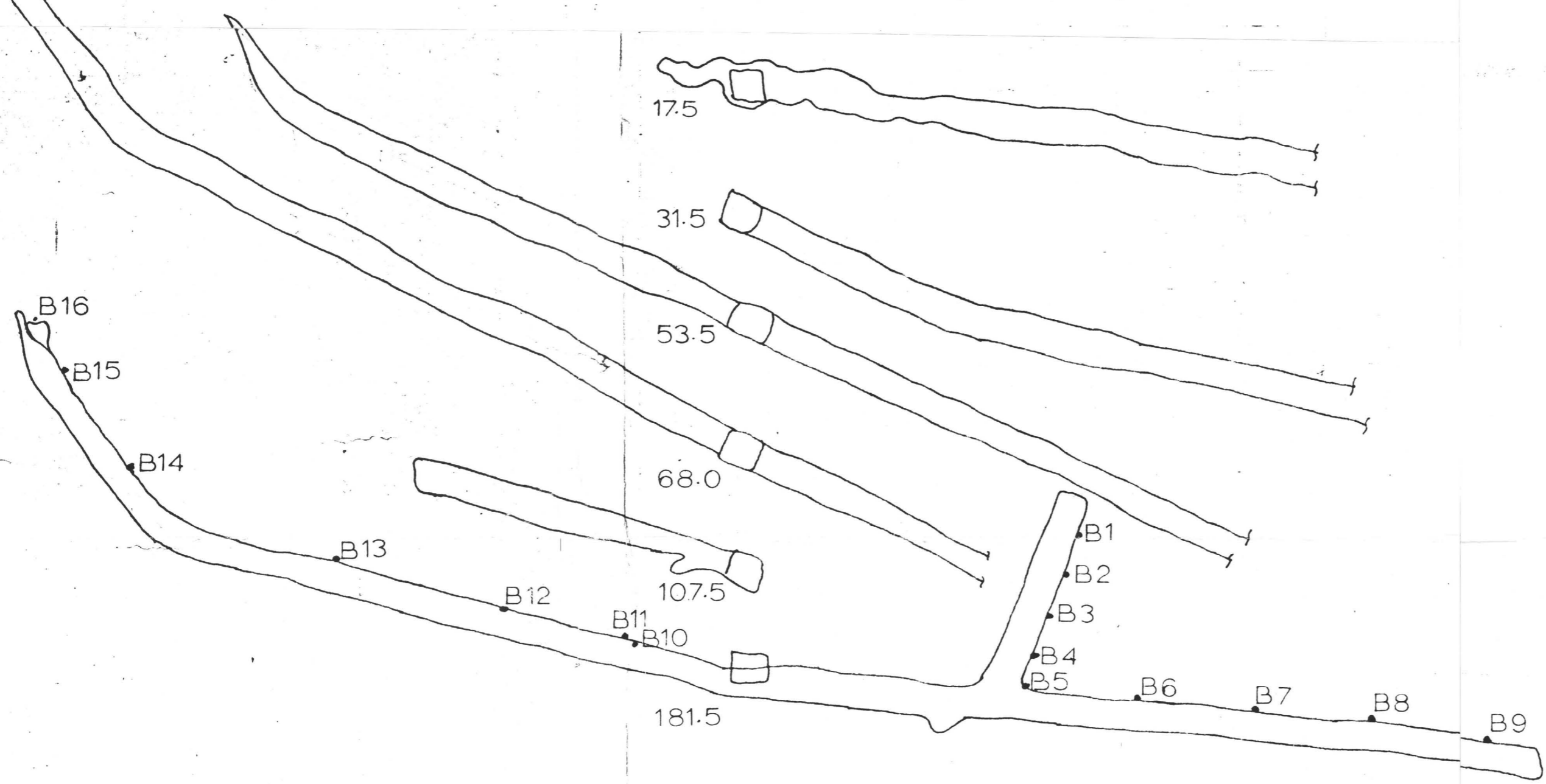
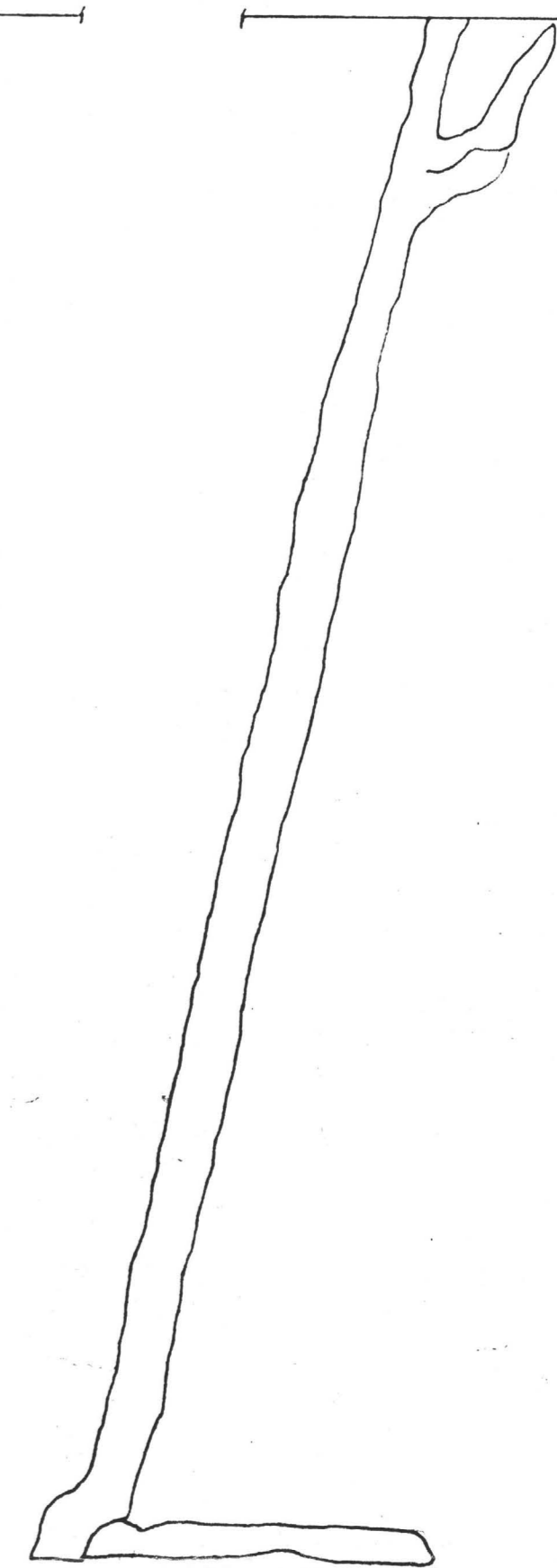
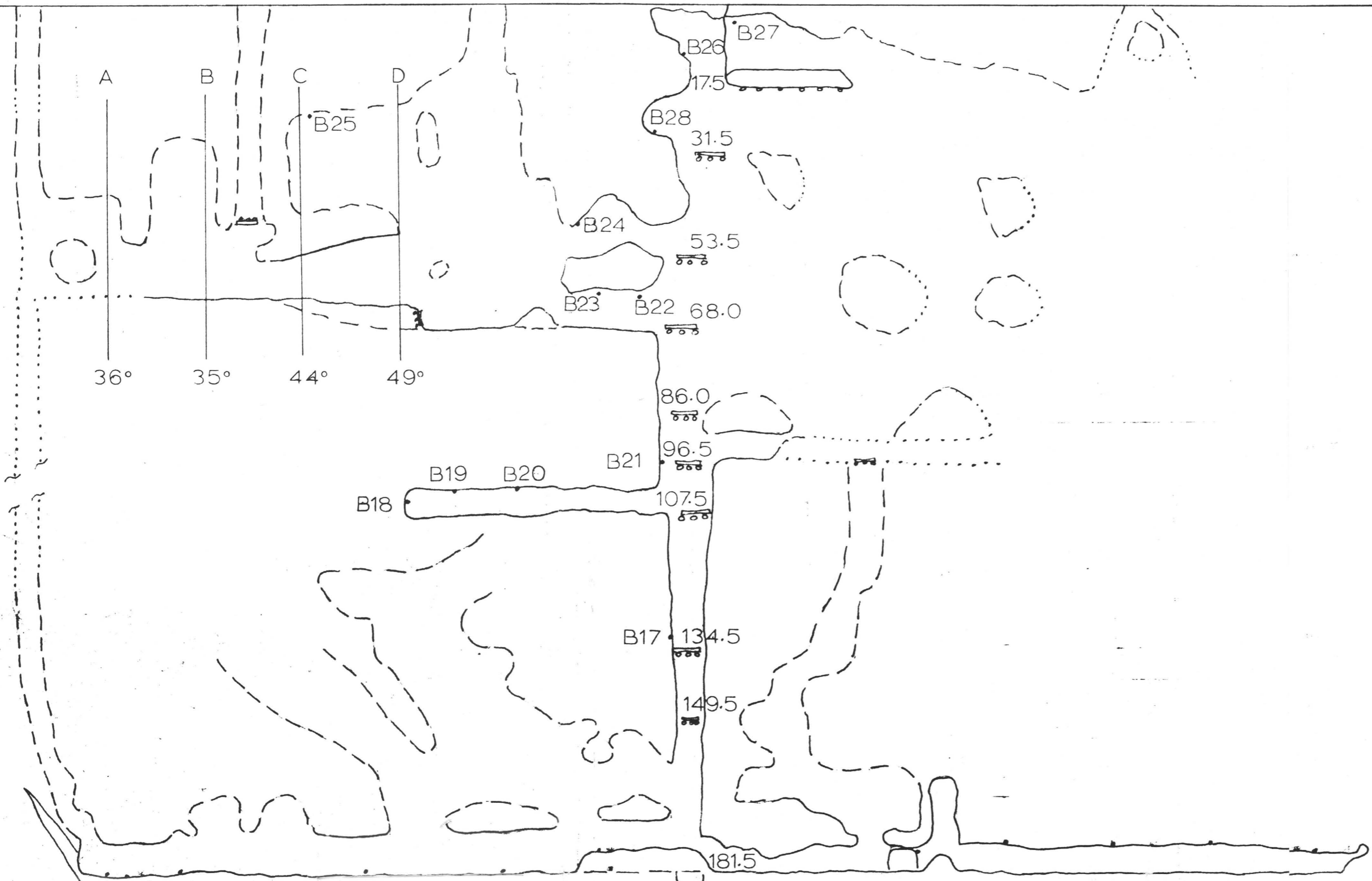


AUSTRAL OIL COMPANY INC.
 TOMBSTONE AREA
 COCHISE COUNTY, ARIZONA

PLATE ~~III~~ IV

0 50 100 200 Feet

W L July, 1968

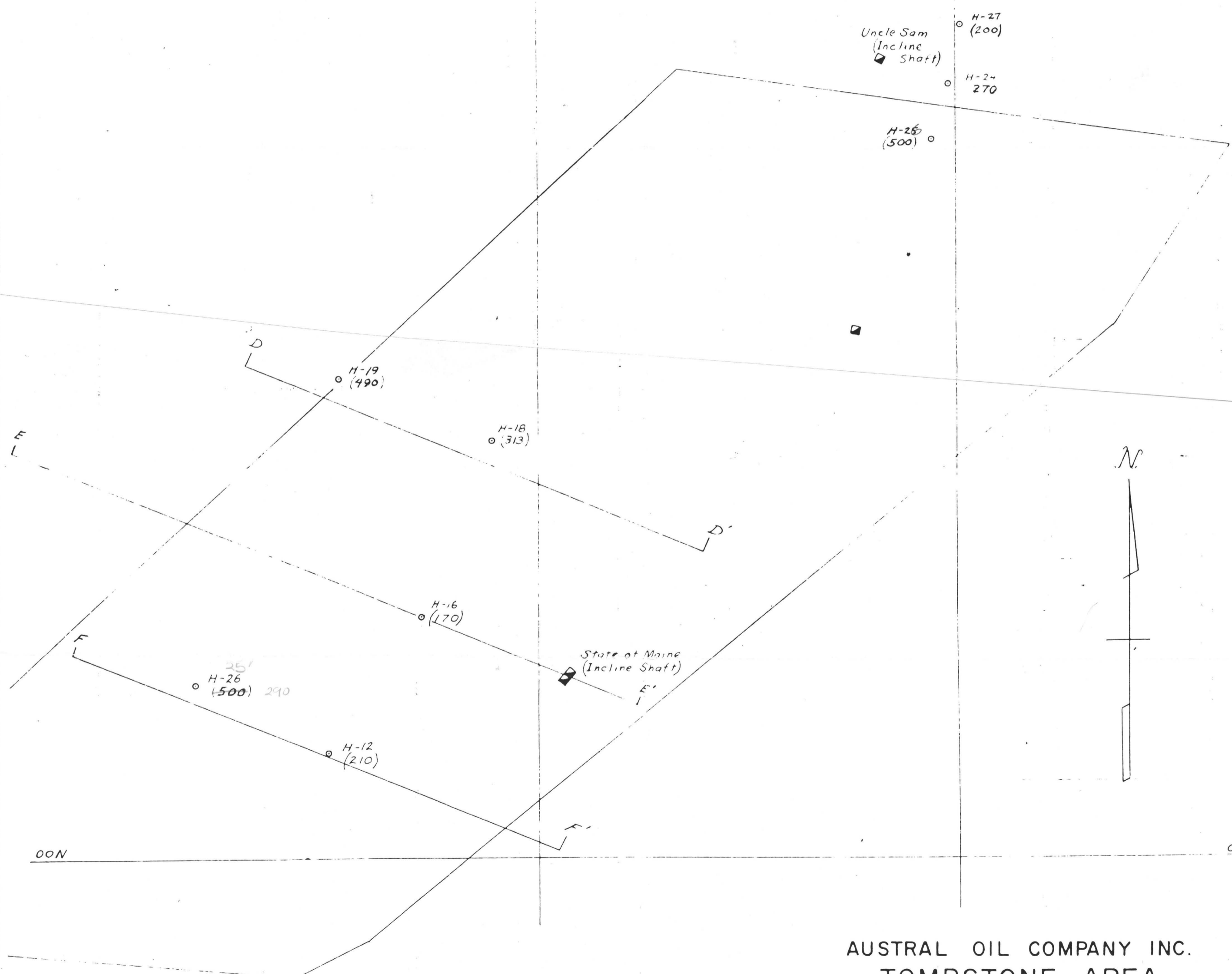


Sample	Width	Assay	
		Au.	Ag.
B1		NIL	.42
2		NIL	.28
3		.010	.75
4		.005	.88
5	3.	NIL	1.24
6	5.	NIL	.66
7	2.5	NIL	.54
8	3.	.008	1.13
9	3.	.007	2.55
10	1.2	.012	7.25
11	2.	Tr.	.56
12	4.	Tr.	1.60
13	3.	Tr.	2.04
14	3.	.004	1.08
15	1.5	.003	1.14
16	9.	.003	2.12
17	3.	NIL	.48
18	4.	Tr.	.40
19	2.	.010	1.35
20	5.	NIL	.52
21	3.	.003	.34
22	2.	.003	2.86
23	1.5	.012	1.43
24	1.	.020	52.38
25	1.	.014	12.13
26		no sample	
27	2.	.020	23.08
28	3.	.008	7.64
Avg. (5-28)		.004	3.20

RECEIVED
APR 2 1968
JAMES STEWART COMPANY
PHOENIX, ARIZONA

2000 W

1500 E



AUSTRAL OIL COMPANY INC.
TOMBSTONE AREA
COCHISE COUNTY, ARIZONA

PLATE VIII

0 50 100 200 Feet

W.L. July, 1968

500E

1000E

4500

4400

4300

4200

4100

4000

3900

3800

DD-3 (45°)
DD-4 (60°)

H-10

Kb - Bisbee
Tup - Uncle Sam Porphyry
Tap - Andesite Porphyry

Clarke - Bonanza Vein

Tr. A₁
Tr. A₂

0.22 g. A₁ 60' Av.

200' 1.28 g. A₁ 30' Av.

0.27 g. A₁

Tr. A₁

300'

0.56 g. A₂

0.12 g. A₂

400'

Tr. A₁

0.48 g. A₂

Tr. A₂

0.20 g. A₁

0.04 g. A₁

500'

0.06 g. A₂

0.39 g. A₁

550.5'

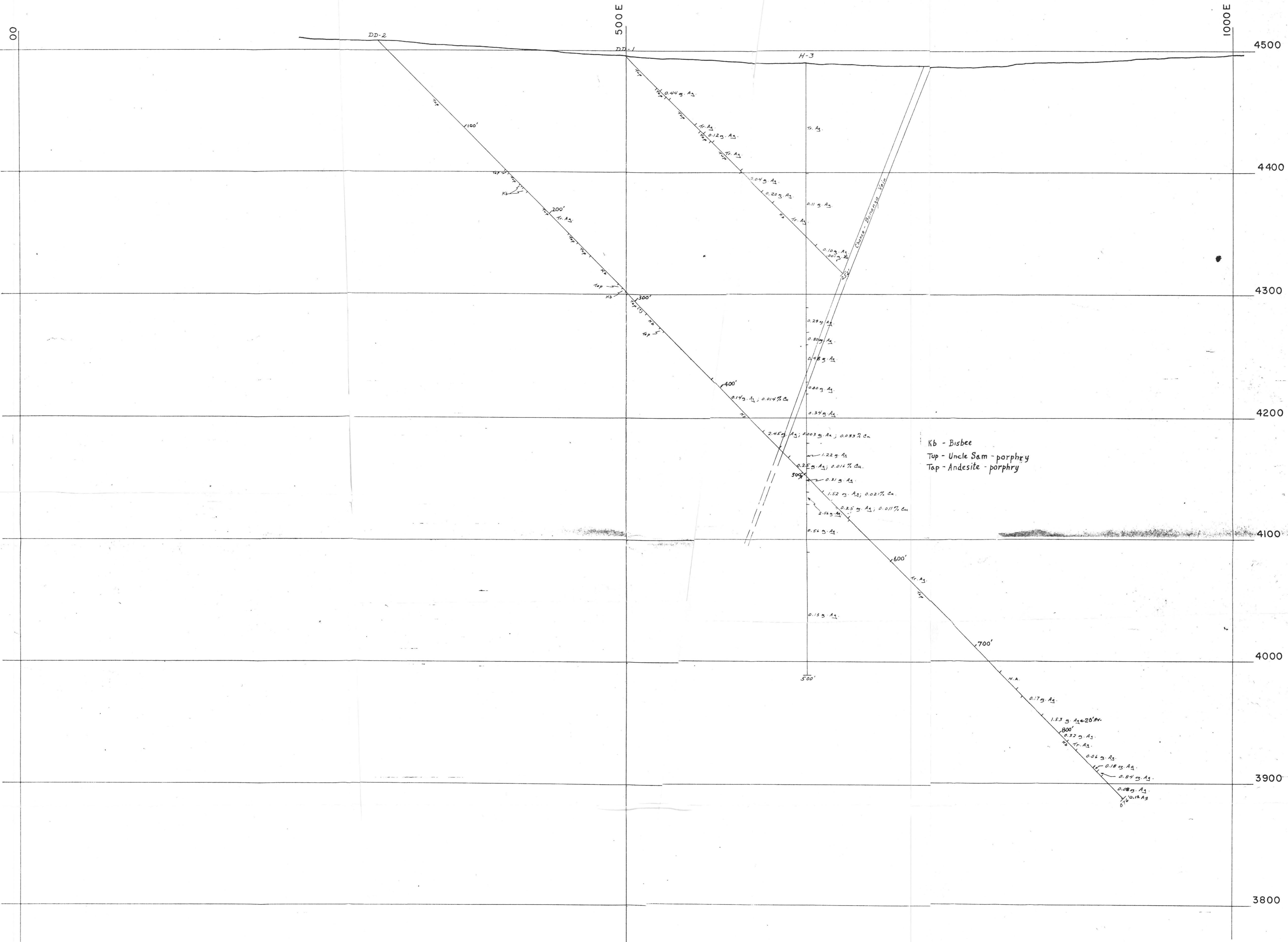
0.57 g. A₁

426'

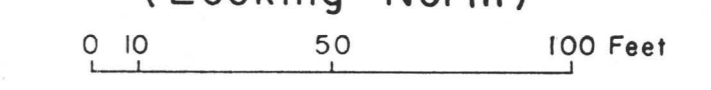
AUSTRAL OIL COMPANY INC.
TOMBSTONE AREA
COCHISE COUNTY, ARIZONA
CROSS-SECTION B-B'
EAST-WEST SECTION
(Looking North)

0 10 50 100 Feet

W.L. July, 1968

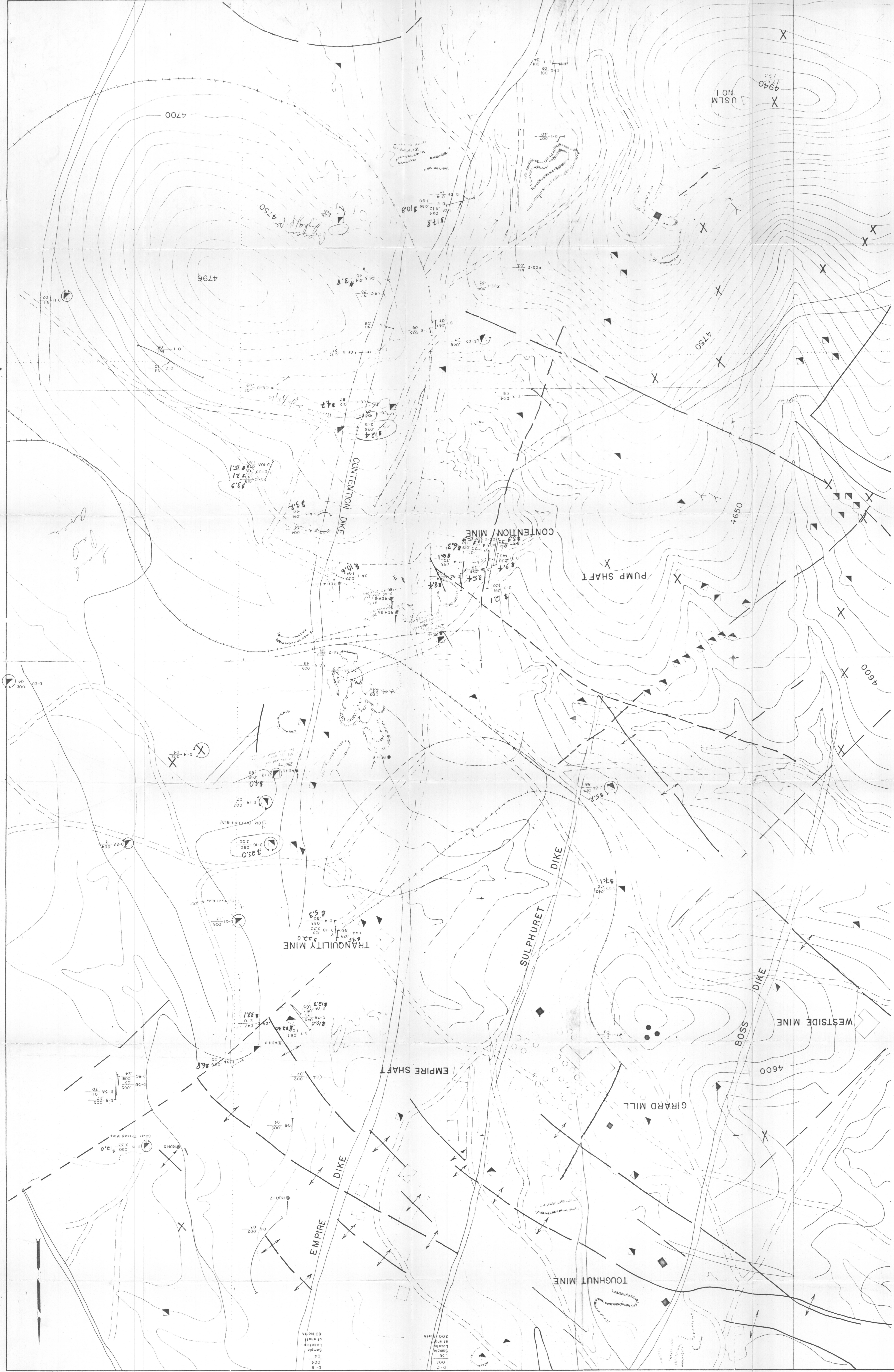


AUSTRAL OIL COMPANY INC.
TOMBSTONE AREA
COCHISE COUNTY, ARIZONA
CROSS-SECTION A-A'
EAST-WEST SECTION
(Looking North)



W.L. July, 1968

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APR 2 1969
JAMES STEWART COMPANY
PHOENIX, ARIZONA



EXPLANATION

Approx. size & location of rock chip/channel or "french" samples

Approx. location of vertical rock chip or channel samples on wall

Rotary drill holes

Sample No.

Note: Sample locations plotted from 500 scale map; accuracy is proportional.

DUVAL CORPORATION-EXPLORATION DEPT.
 ARIZONA
 TOMBSTONE PROJECT
 (CONTENTION, TRANQUILITY AREA)
 SURFACE LOCATION MAP & GEOCHEM
 SCALE: 1" = 100 FEET

0-18
0-17
0-16
0-15
0-14
0-13
0-12
0-11
0-10
0-9
0-8
0-7
0-6
0-5
0-4
0-3
0-2
0-1

NOTE: Dollar values based on A-1 \$10000, A-2 \$40000

U.S. GEOLOGICAL SURVEY
 DISTRICT OFFICE
 TOMBSTONE, ARIZONA
 C-1852
 C-1852-1