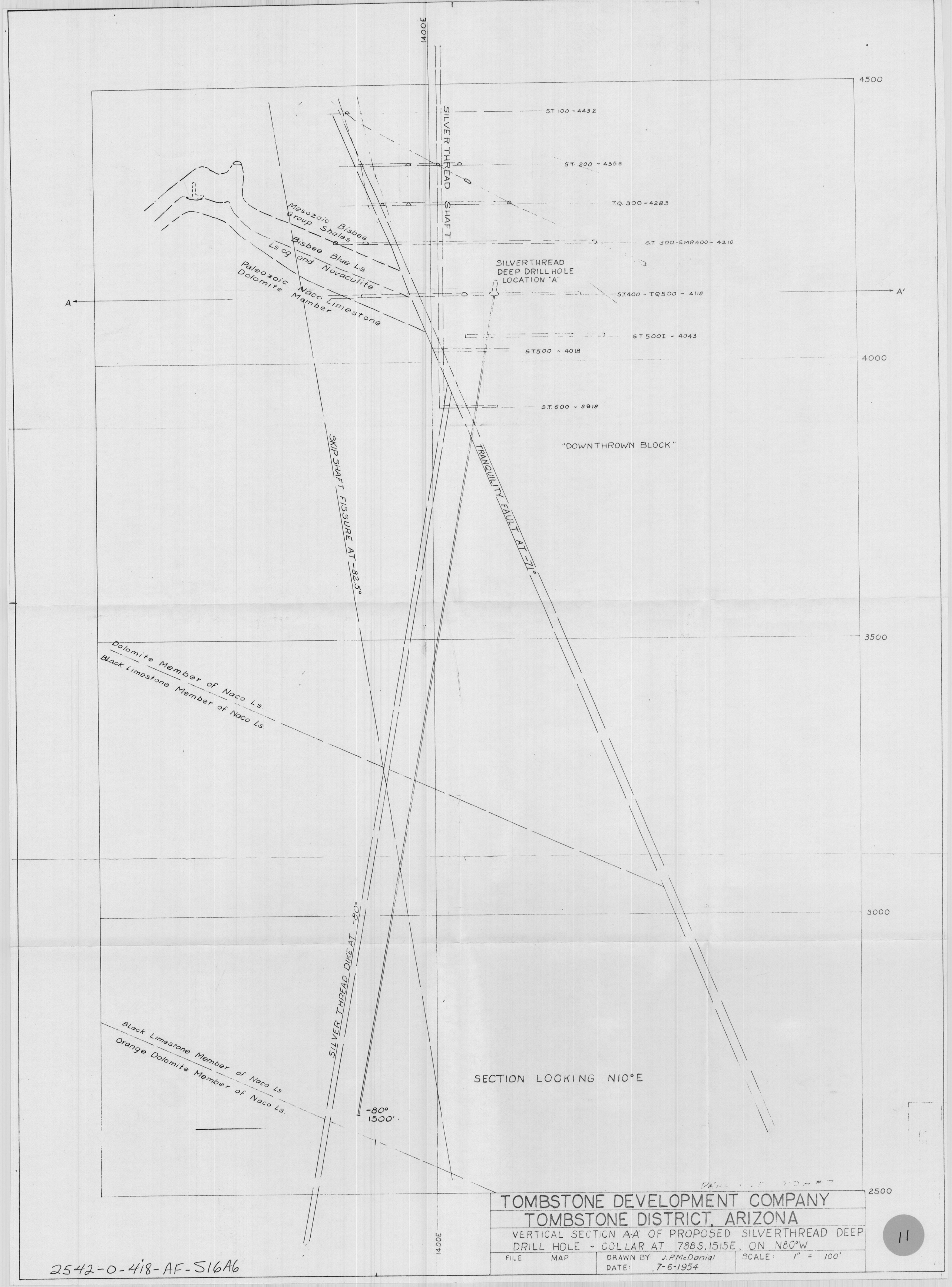
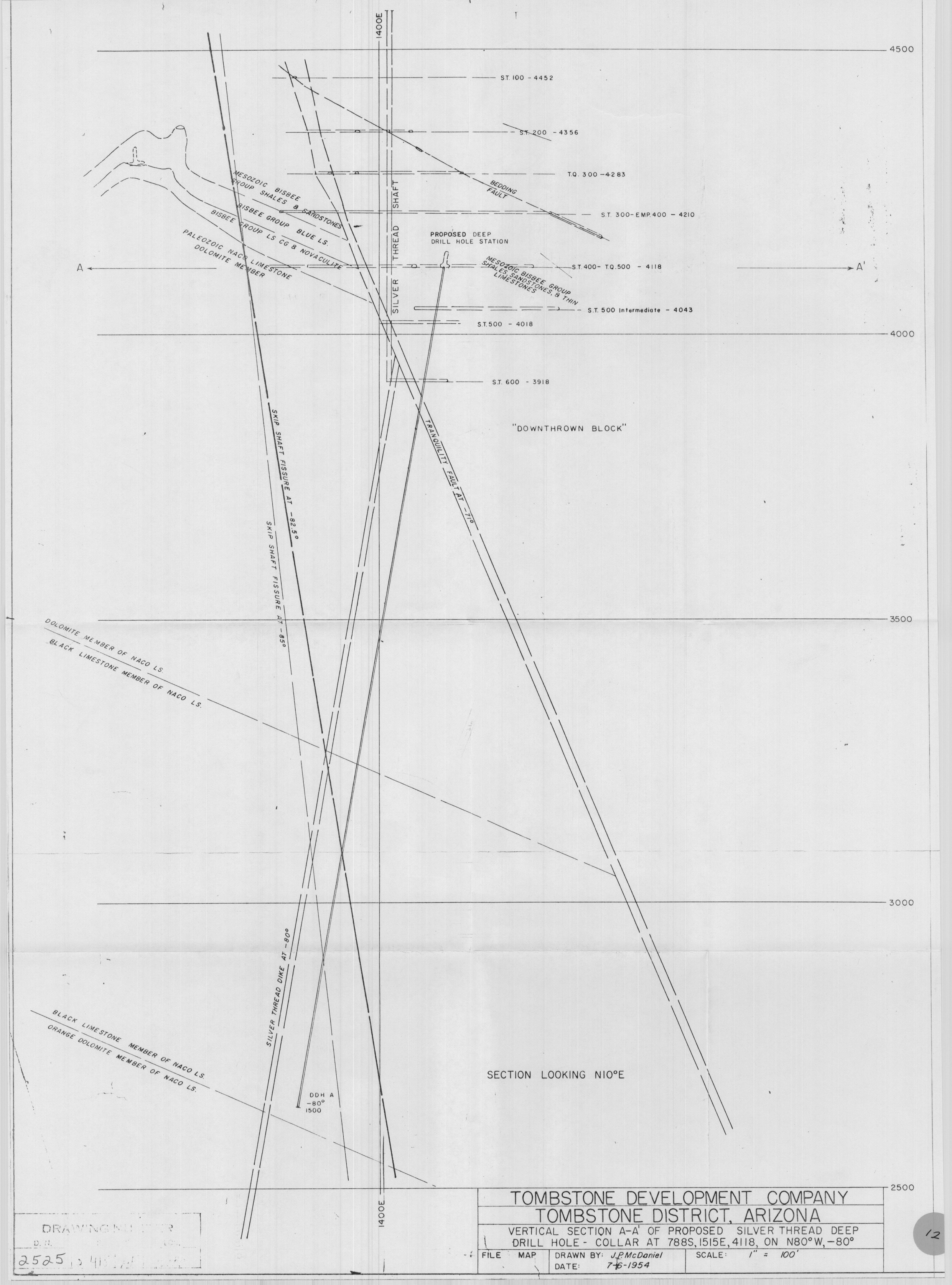

1400E
SILVER THREAD SHAFT
ST 100 ~ 4452
ST 200 ~ 4356
TQ 300 ~ 4283
ST 300-EMP400 ~ 4210
SILVERTHREAD DEEP DRILL HOLE LOCATION "A"
ST400 - TQ500 ~ 4118
ST 500I ~ 4043
ST500 ~ 4018
ST 600 ~ 3918
"DOWNTHROWN BLOCK"
Mesozoic Bisbee Group Shales
Bisbee Blue Ls
Ls cg and Novaculite
Paleozoic Naco Limestone
Dolomite Member
A
A'
4500
4000
3500
3000
2500
SKIP SHAFT FISSURE AT -82.5°
TRANQUILITY FAULT AT -71°
Dolomite Member of Naco Ls.
Black Limestone Member of Naco Ls.
SILVER THREAD DIKE AT -80°
Black Limestone Member of Naco Ls.
Orange Dolomite Member of Naco Ls.
-80°
1500'
SECTION LOOKING N10°E
1400E
TOMBSTONE DEVELOPMENT COMPANY
TOMBSTONE DISTRICT, ARIZONA
VERTICAL SECTION A-A' OF PROPOSED SILVERTHREAD DEEP DRILL HOLE ~ COLLAR AT 788S, 1515E, ON N80°W
FILE MAP
DRAWN BY: J. P. McDaniel
DATE: 7-6-1954
SCALE: 1" = 100'
11
2542-0-418-AF-516A6

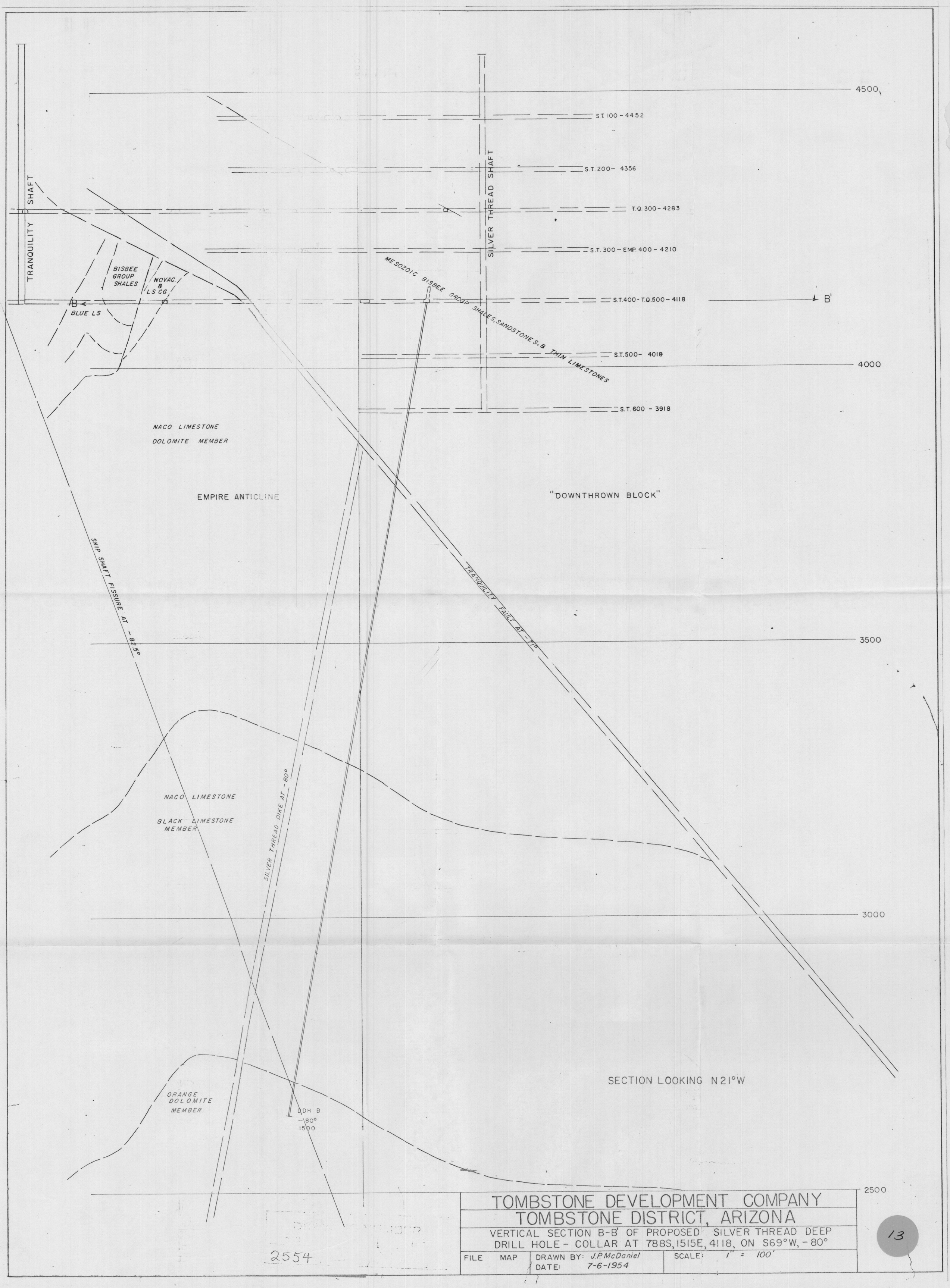


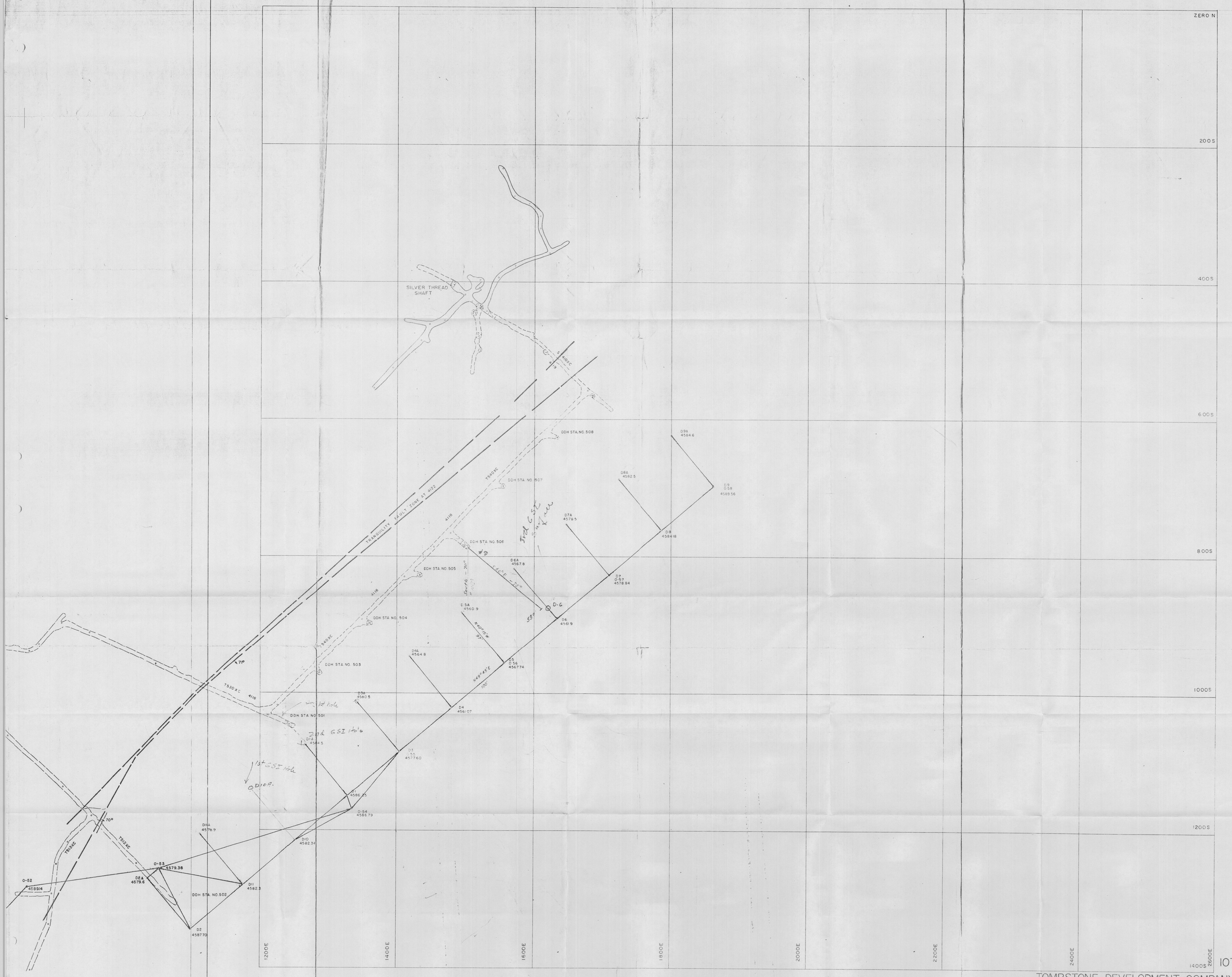
TOMBSTONE DEVELOPMENT COMPANY
TOMBSTONE DISTRICT, ARIZONA

VERTICAL SECTION A-A' OF PROPOSED SILVER THREAD DEEP DRILL HOLE - COLLAR AT 788S, 1515E, 4118, ON N80°W, -80°

FILE MAP	DRAWN BY: J.P. McDaniel DATE: 7-6-1954	SCALE: 1" = 100'

12

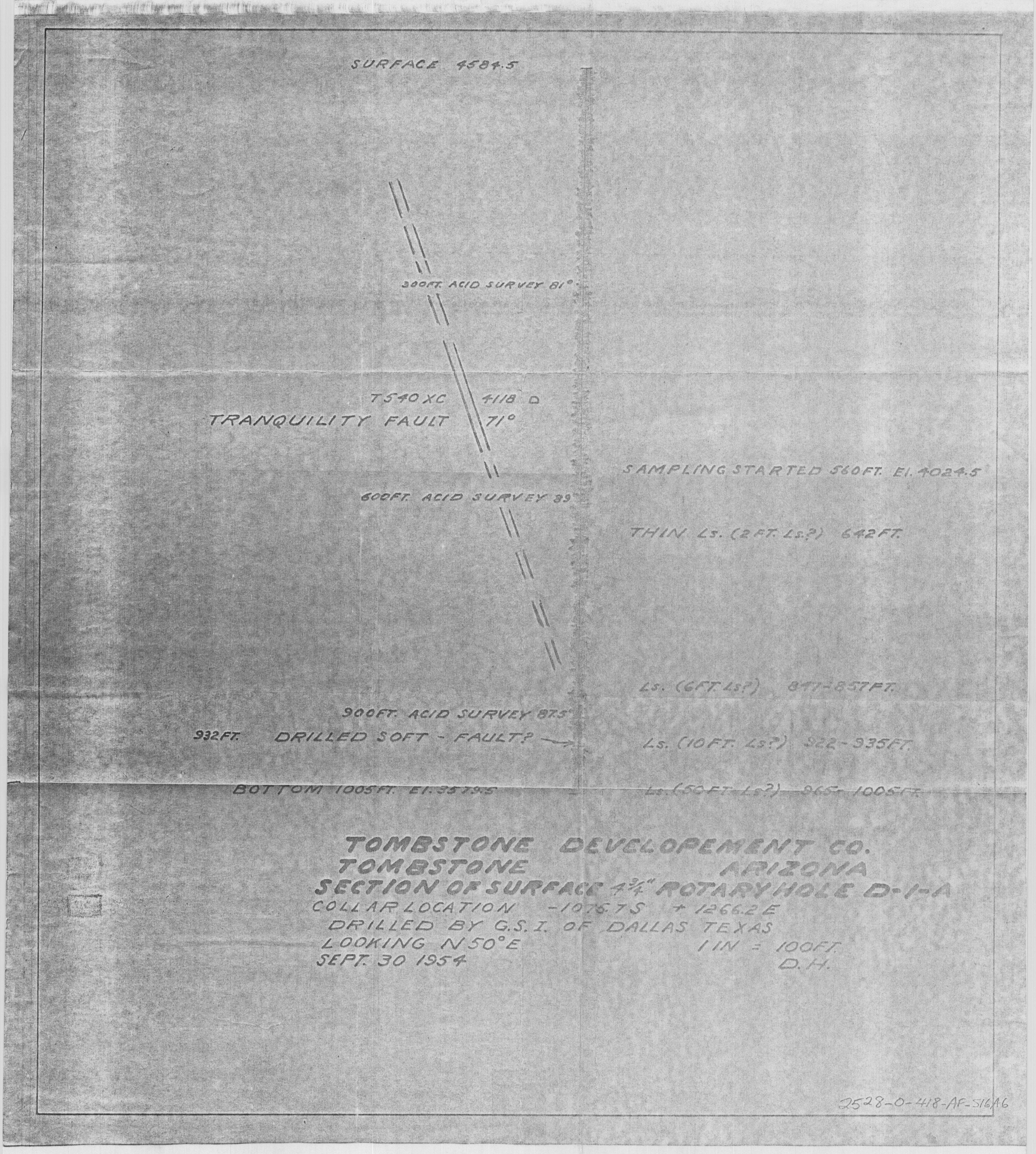

4500
S.T. 100 - 4452
S.T. 200 - 4356
T.Q. 300 - 4283
S.T. 300 - EMP. 400 - 4210
S.T. 400 - T.Q. 500 - 4118
B'
S.T. 500 - 4018
4000
S.T. 600 - 3918
SILVER THREAD SHAFT
TRANQUILITY SHAFT
B
BLUE LS
BISBEE GROUP SHALES
NOVAC. & LS CG
MESOZOIC BISBEE GROUP SHALES, SANDSTONES, & THIN LIMESTONES
NACO LIMESTONE
DOLOMITE MEMBER
EMPIRE ANTICLINE
"DOWNTHROWN BLOCK"
SKIP SHAFT FISSURE AT -82.5°
TRANQUILITY FAULT AT -71°
3500
SILVER THREAD DIKE AT -80°
NACO LIMESTONE
BLACK LIMESTONE MEMBER
3000
SECTION LOOKING N21°W
ORANGE DOLOMITE MEMBER
DDH B
-80°
1500
2500
TOMBSTONE DEVELOPMENT COMPANY
TOMBSTONE DISTRICT, ARIZONA
VERTICAL SECTION B-B' OF PROPOSED SILVER THREAD DEEP DRILL HOLE - COLLAR AT 788S, 1515E, 4118, ON S69°W, -80°
FILE MAP
DRAWN BY: J.P. McDaniel
DATE: 7-6-1954
SCALE: 1" = 100'
2554
13

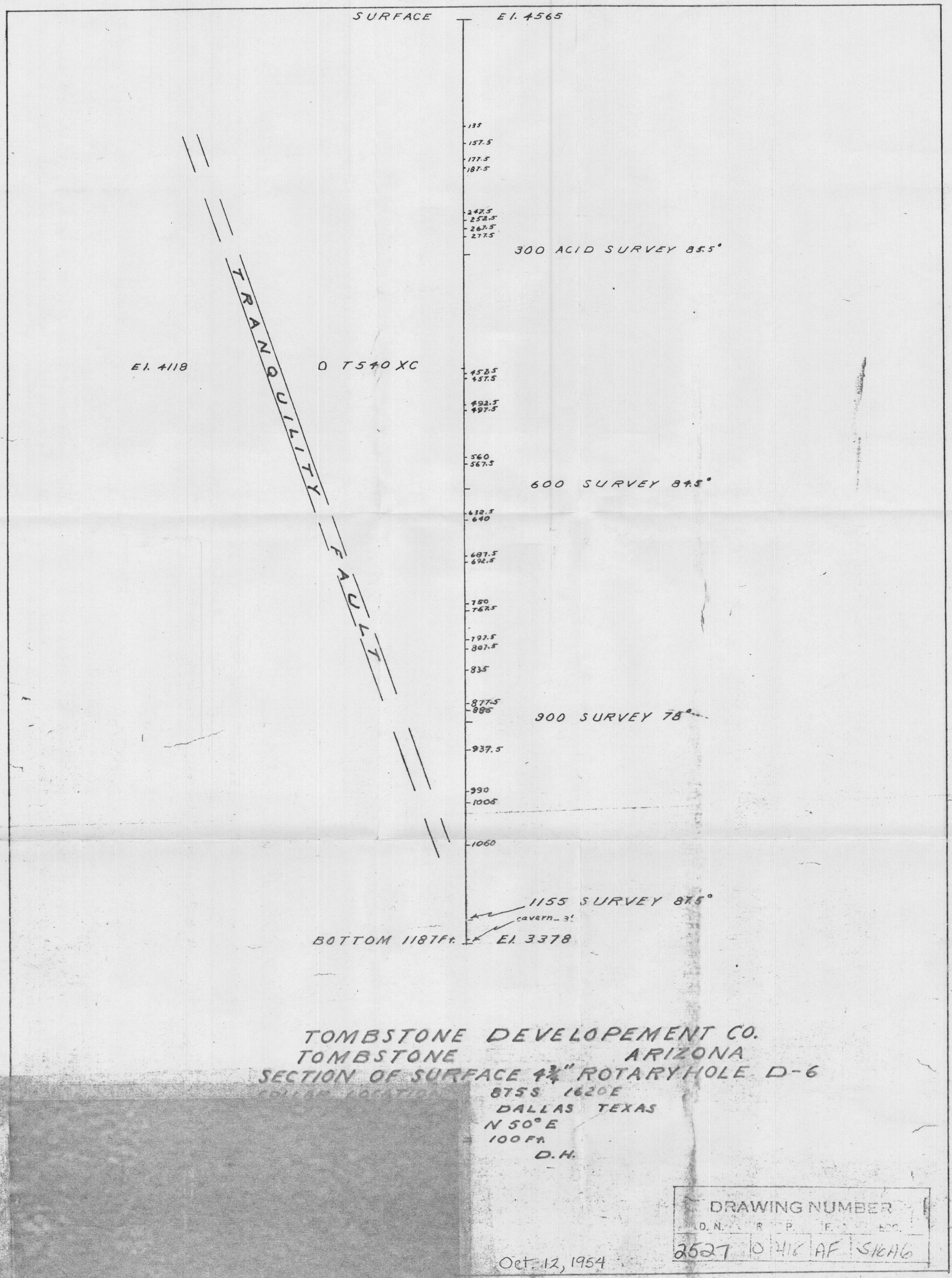


107-106

DRAWING NUMBER				
D. N.	R.	P.	F.	LOC.
2514	10	415	AF	S16A3

TOMBSTONE DEVELOPMENT COMPANY
TOMBSTONE DISTRICT, ARIZONA
DOWNTHROWN BLOCK - SURFACE DRILL-HOLE LOCATION PLAN
Survey by J.P.McDaniel, July 1954
FILE MAP DRAWN BY: J.P.McDaniel SCALE: 1" = 50'
DATE: 8-3-1954

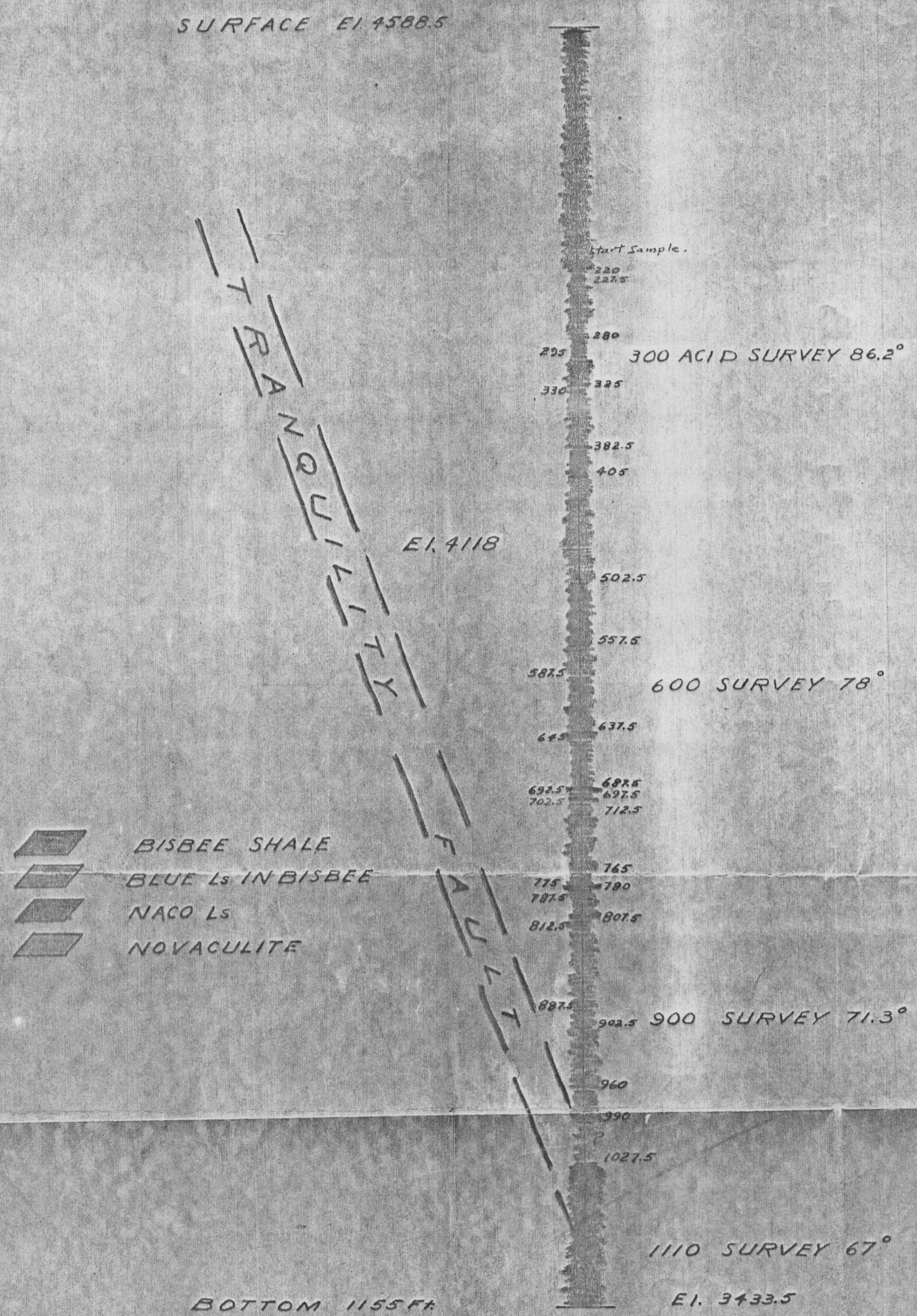

SURFACE 4584.5
300FT. ACID SURVEY 81°
TS40 XC 4118 D
TRANQUILITY FAULT 71°
SAMPLING STARTED 560FT. El. 4024.5
600FT. ACID SURVEY 89
THIN LS. (2 FT. LS.?) 642FT.
LS. (6FT. LS?) 877-857FT.
900FT. ACID SURVEY 87.5
932FT. DRILLED SOFT - FAULT?
LS. (10FT. LS?) 922-935FT.
BOTTOM 1005FT. El. 3579.5
LS. (50FT. LS?) 965-1005FT.
TOMBSTONE DEVELOPEMENT CO.
TOMBSTONE ARIZONA
SECTION OF SURFACE 4 3/4" ROTARY HOLE D-1-A
COLLAR LOCATION -1076.7S + 1266.2E
DRILLED BY G.S.I. OF DALLAS TEXAS
LOOKING N50°E
1 IN = 100FT.
SEPT. 30 1954
D.H.
2528-0-418-AF-516A6



TOMBSTONE DEVELOPEMENT CO.
TOMBSTONE ARIZONA
SECTION OF SURFACE 4¾" ROTARY HOLE D-6
COLLAR LOCATION 8TSS 1620E
DALLAS TEXAS
N 50° E
100 Ft.
D.H.

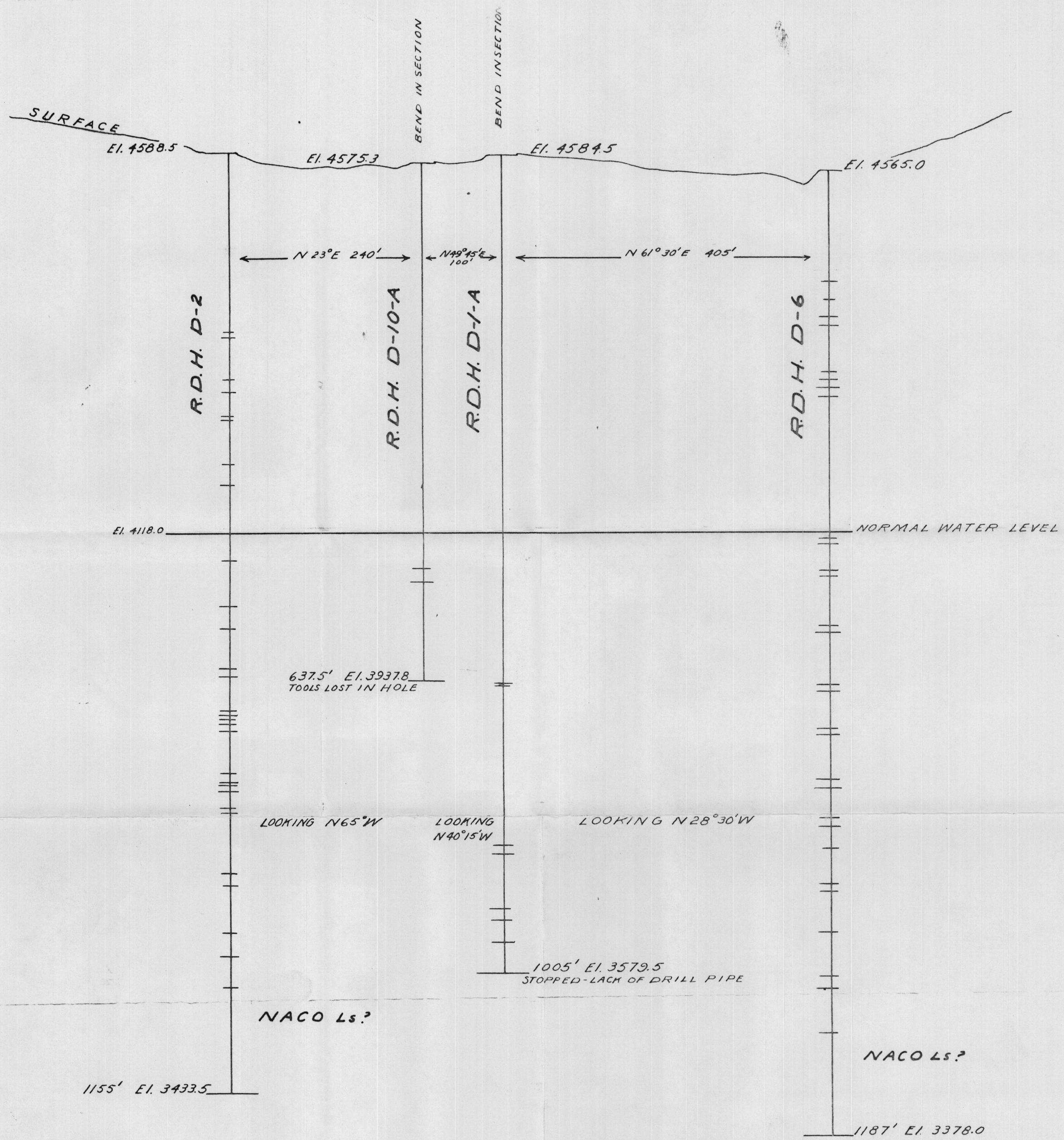
DRAWING NUMBER				
D. N.	R	P.	F.	DO.
2527	0	416	AF	S16A6

Oct. 12, 1954



TOMBSTONE DEVELOPEMENT CO.
TOMBSTONE ARIZONA
SECTION OF SURFACE 4 3/4" ROTARY HOLE D-2
COLLAR LOCATION 1363S 1095.5E
DRILLED BY G.S.I. DALLAS TEXAS
LOOKING N60°E
1 IN = 100 Ft.
OCT. 27 1954 D.H.

2526-0-418-HF-516A6

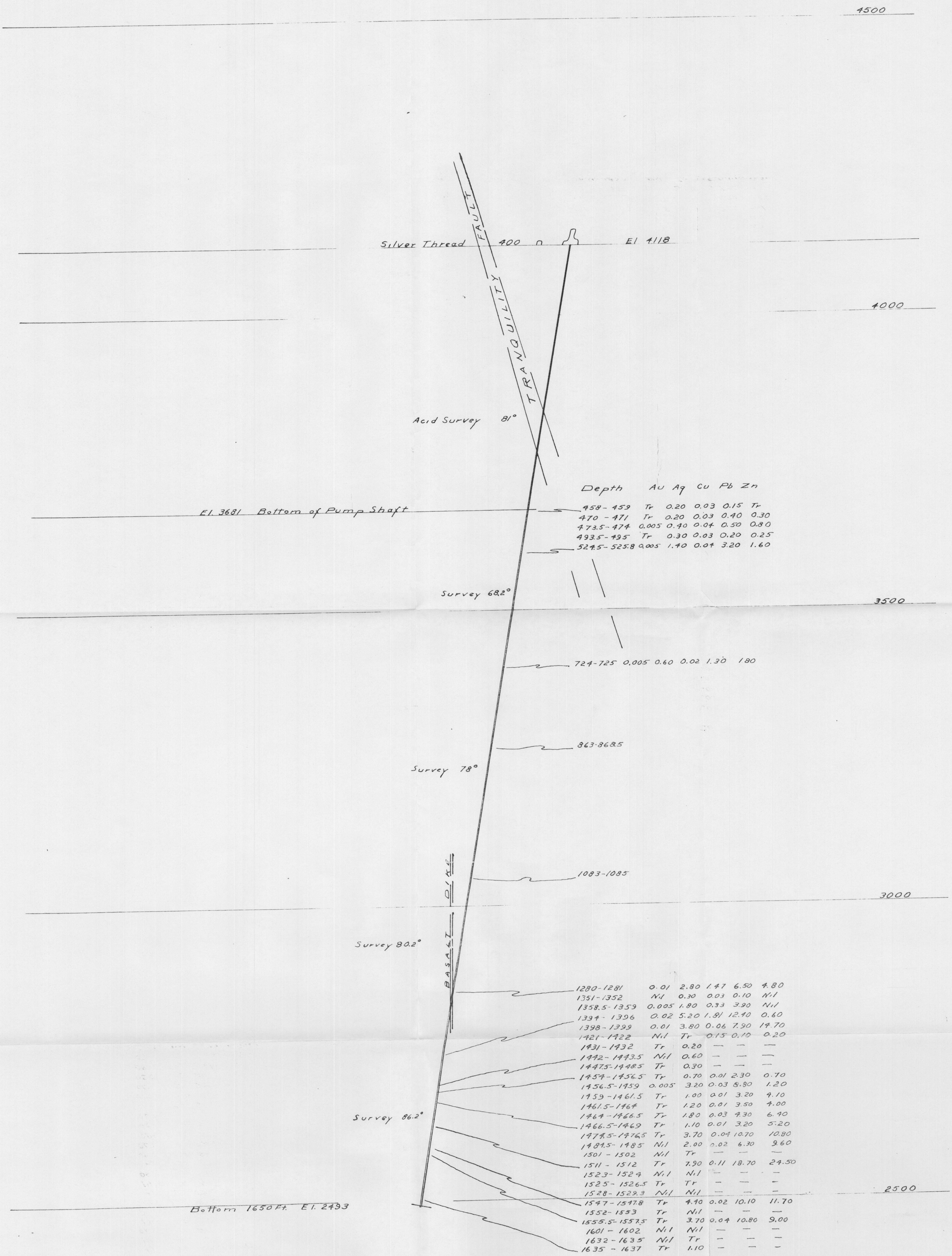


TOMBSTONE DEVELOPEMENT CO.
TOMBSTONE ARIZONA
SECTION OF SURFACE HOLES G.S.I. DRILLED
D-2, D-1-A AND D-6 ARE 4¾ IN.
D-10-A IS 6¼ IN. ALL DRILLED BY ROTARY RIG
START AUG 17 — COMPLETED OCT. 25 1954
1 IN = 100 FT.

OCT. 28 1954 D.H.

18

2545-0-418-AF-S16B1



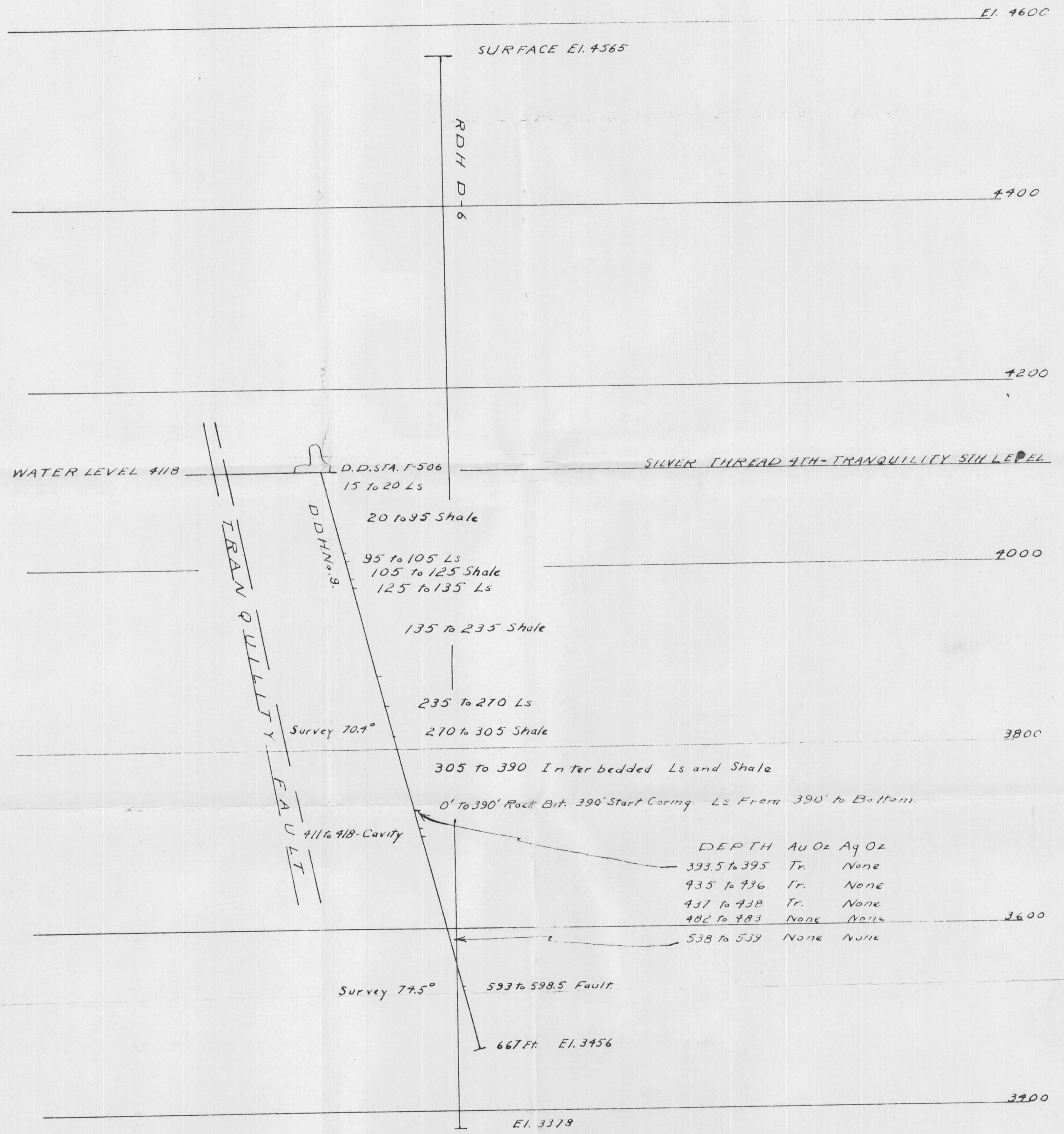
TOMBSTONE DEVELOPEMENT CO.
TOMBSTONE ARIZONA
ASSAY MAP OF D.D. HOLE NO. 7.
COLLAR LOCATION - D.D. STATION T-506
788 S, 1515 E
BEARING N80°W DIP -80°

D.H.

DEC. 31 1954

19

2543-0-418-AF-516B1



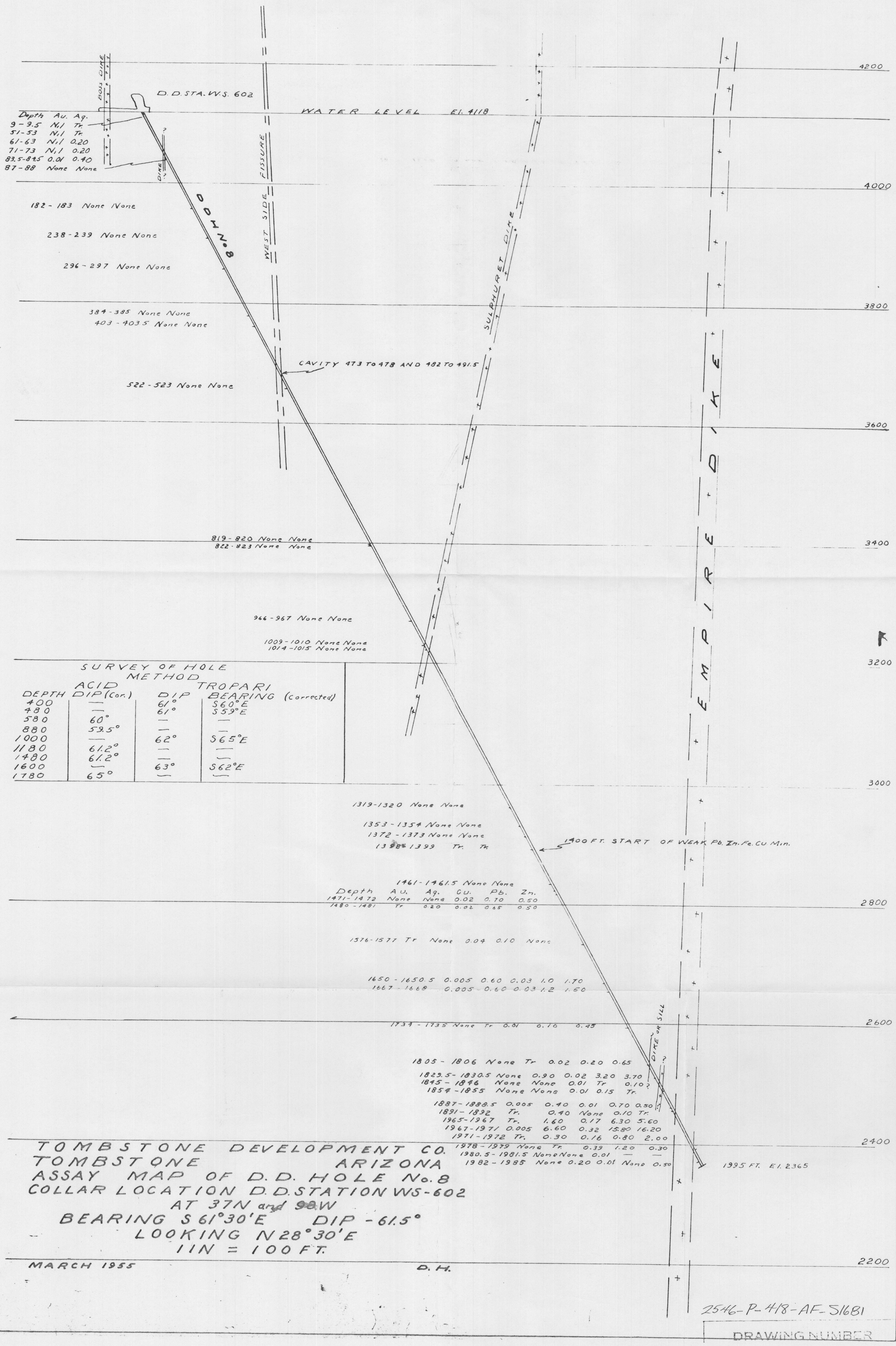
TOMBSTONE DEVELOPMENT CO.
TOMBSTONE ARIZONA
SECTION OF DRILL HOLE NO. 9
COLLAR LOCATION — D.D. STATION T-506
788S 1515E
BEARING S50°E DIP -75°
LOOKING N50°E

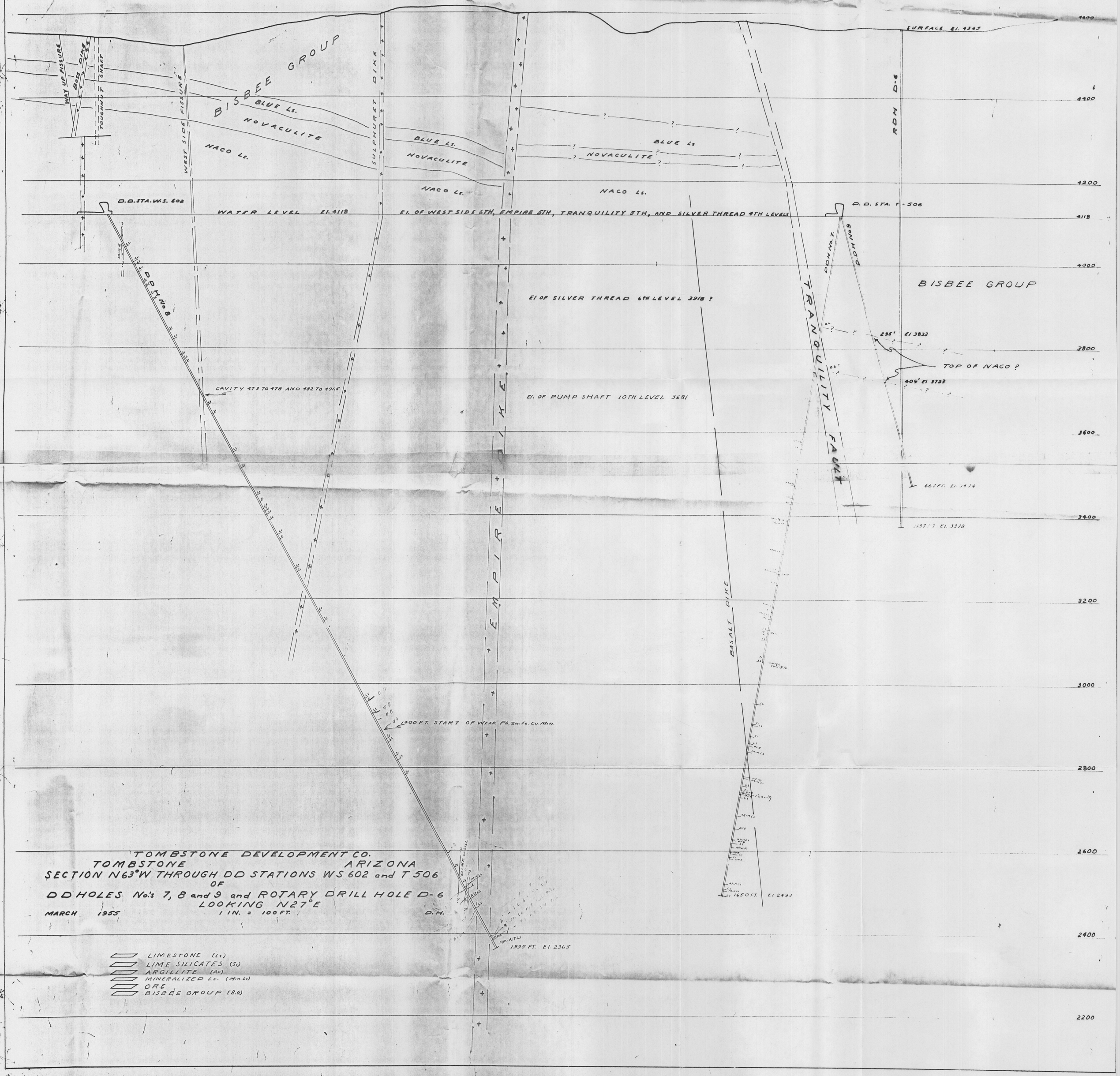
FEB. 22 1955

D. H.

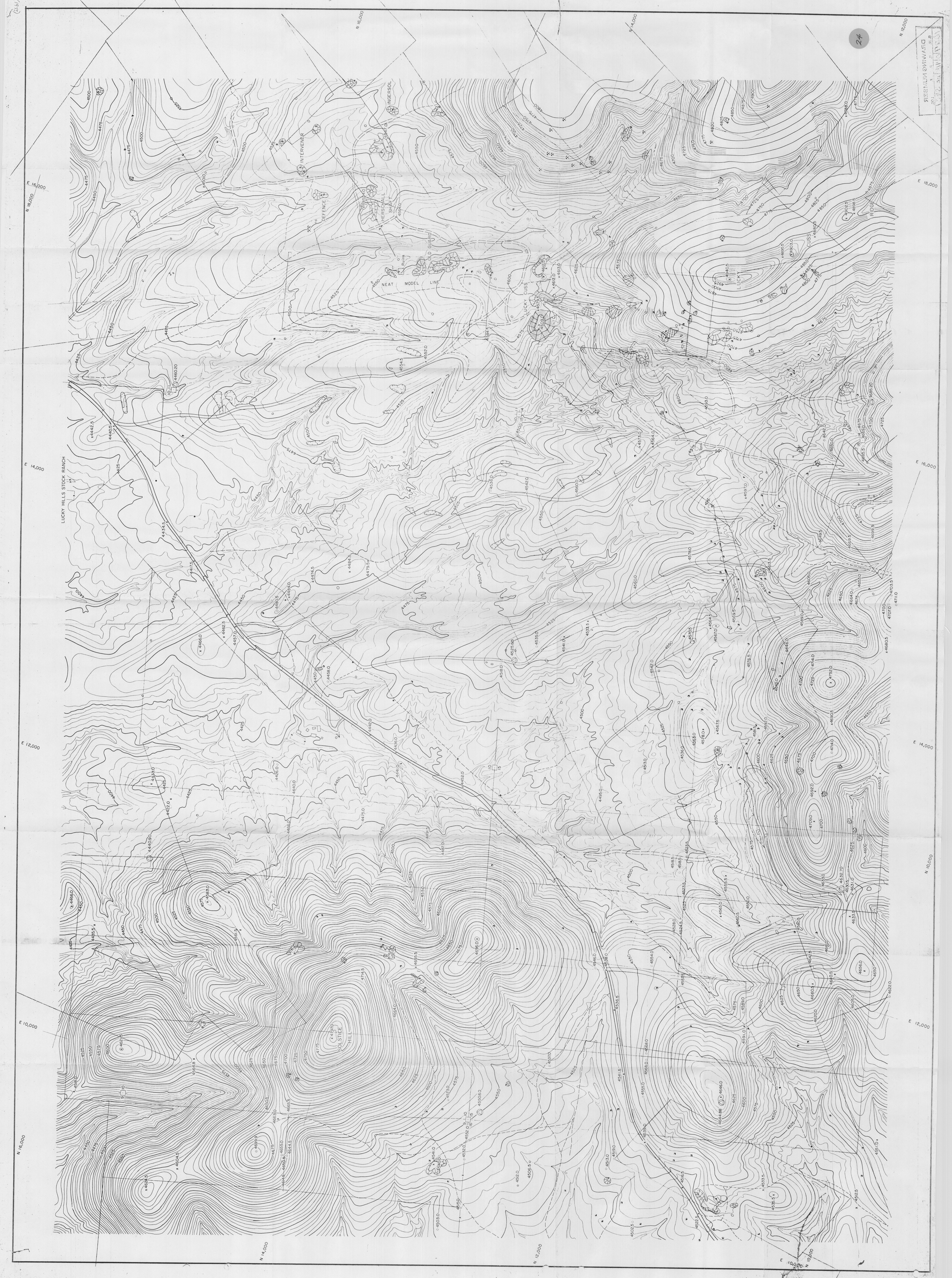
20

2544-0-418-AF-S16B1


D.D. STA. W.S. 602
WATER LEVEL El. 4118
BOJS DIKE
DIKE ?
FISSURE
WEST SIDE
D.D. No. 8
SULPHURET DIKE
CAVITY 473 TO 478 AND 482 TO 491.5
DIKE OR SILL
1400 FT. START OF WEAK Pb. Zn. Fe. Cu. Min.
1995 FT. El. 2365
4200
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
Depth Au. Ag.
9 - 9.5 N.I Tr.
51-53 N.I Tr.
61-63 N.I 0.20
71-73 N.I 0.20
83.5-84.5 0.01 0.40
87-88 None None
182 - 183 None None
238-239 None None
296 - 297 None None
384 - 385 None None
403 - 403.5 None None
522 - 523 None None
819 - 820 None None
822 - 823 None None
966 - 967 None None
1009 - 1010 None None
1014 - 1015 None None
1319-1320 None None
1353 - 1354 None None
1372 - 1373 None None
1398 - 1399 Tr. Tr.
1461 - 1461.5 None None
Depth Au. Ag. Cu. Pb. Zn.
1471 - 1472 None None 0.02 0.70 0.50
1480 - 1481 Tr 0.20 0.02 0.65 0.50
1576-1577 Tr None 0.04 0.10 None
1650 - 1650.5 0.005 0.60 0.03 1.0 1.70
1667 - 1668 0.005 0.60 0.03 1.2 1.50
1734 - 1735 None Tr 0.01 0.10 0.45
1805 - 1806 None Tr 0.02 0.20 0.65
1829.5 - 1830.5 None 0.90 0.02 3.20 3.70
1845 - 1846 None None 0.01 Tr 0.10 ?
1854 - 1855 None None 0.01 0.15 Tr.
1887 - 1888.5 0.005 0.40 0.01 0.70 0.50
1891 - 1892 Tr. 0.40 None 0.10 Tr.
1965 - 1967 Tr. 1.60 0.17 6.30 5.60
1967 - 1971 0.005 6.60 0.32 15.80 16.20
1971 - 1972 Tr. 0.30 0.16 0.80 2.00
1978 - 1979 None Tr. 0.39 1.20 0.30
1980.5 - 1981.5 None None 0.01 — —
1982 - 1985 None 0.20 0.01 None 0.50
SURVEY OF HOLE
METHOD
ACID TROPARI
DEPTH DIP (Cor.) DIP BEARING (corrected)
400 — 61° S60°E
480 — 61° S59°E
580 60° — —
880 59.5° — —
1000 — 62° S65°E
1180 61.2° — —
1480 61.2° — —
1600 — 63° S62°E
1780 65° — —
TOMBSTONE DEVELOPMENT CO.
TOMBSTONE ARIZONA
ASSAY MAP OF D.D. HOLE No. 8
COLLAR LOCATION D.D. STATION WS-602
AT 37N and 98W
BEARING S 61°30'E DIP -61.5°
LOOKING N 28°30'E
1IN = 100 FT.
MARCH 1955
D.H.
2546-P-418-AF-51681
DRAWING NUMBER


SURFACE El. 4565
BISBEE GROUP
BLUE Ls.
NOVACULITE
NACO Ls.
WAY UP FISSURE
BOSS DIKE
TOURNIT START
WEST SIDE FISSURE
SULPHURET DIKE
D.D. STA. W.S. 602
WATER LEVEL El. 4118
El. OF WEST SIDE 6TH, EMPIRE 5TH, TRANQUILITY 5TH, AND SILVER THREAD 4TH LEVELS
D.D. STA. T-506
RDH D-6
DDH No. 7
DDH No. 8
DDH No. 9
BISBEE GROUP
El OF SILVER THREAD 6TH LEVEL 3918 ?
235' El 3833
TOP OF NACO ?
409' El 3723
TRANQUILITY FAULT
CAVITY 473 TO 478 AND 482 TO 491.5'
El. OF PUMP SHAFT 10TH LEVEL 3681
EMPIRE
667 FT. El. 3414
1187 FT El. 3318
BASALT DIKE
1400 FT. START OF WEAK Pb. Zn. Fe. Cu. Min.
1995 FT. El. 2365
1650 FT. El 2493
4600
4400
4200
4118
4000
3800
3600
3400
3200
3000
2800
2600
2400
2200
TOMBSTONE DEVELOPMENT CO.
TOMBSTONE ARIZONA
SECTION N63°W THROUGH DD STATIONS WS 602 and T 506
OF
DD HOLES No's 7, 8 and 9 and ROTARY DRILL HOLE D-6
LOOKING N27°E
MARCH 1955
1 IN. = 100 FT.
D.H.
LIMESTONE (Ls)
LIME SILICATES (Si)
ARGILLITE (Ar)
MINERALIZED Ls. (Min-Ls)
ORE
BISBEE GROUP (B.G)

Weighted average not including the 8 & 10 foot spaces is 1.16 oz silver and about 0.01 oz gold, over 47 feet. Using a $125 gold price and $3.00 silver price the rock would have a value of $4.73 per ton. Including the 8 & 10 foot intervals the weighted average is 0.84 oz over 84 feet.
Potential reserves this area to a depth of 25 feet at 13 cu. feet / ton estimated rock density are 200,000 tons.
23


24
DRAWING NUMBER
N 16,000
N 14,000
N 12,000
N 10,000
E 10,000
E 12,000
E 14,000
E 16,000
E 18,000
INTERVENER
INGERSOL
DEFENCE
HERSCHALL SHAFT
OLD GUARD
NEAT MODEL LINE
LUCKY CUSS
LUCKY HILLS STOCK RANCH
SOLSTICE HILL
RIDGE

Qa

Ksg

Kup

[illegible] GROUP SEDIMENTS

Kb — Shale, sandstone [illegible] ated Morita and [illegible] feet thick.

Kbb — Limestone - [illegible] about 50 to [illegible]

Kn — Novaculite member [illegible] Tombstone area Bisbee formation

Kbg — Glance conglomerate - [illegible] only in the Fox Ranch area. [illegible] remainder of the [illegible]

[illegible] SEDIMENTS

Pn — Naco limestone - [illegible] State of Maine area shown only on cross section

Other Paleozoic sediments undifferentiated

SYMBOLS

Mine shaft with and without dumps - hachures show direction of [illegible]

Prospect

Primary survey control point, first order survey

Claim monument or stake - Ground targeted and surveyed photogram metrically to nearest [illegible] foot.

Fence line

8 9 17 16 — Section corner

[illegible] - paved, improved dirt and bulldozer road or jeep trail.

Exact plot of dozer trench

Approximate location dozer trench

Cross section

Proposed rotary or diamond drill hole

Completed rotary, hammer or diamond drill holes (RDH-HDH-DDH)

Proposed air track drill hold

Vein or vein zone showing showing moderate to intense alteration and limonite. Predominate sericitic alteration and red to maroon limonite.

Vein or vein zone showing weak to moderate alteration and limonite. Predominate argillic alteration and orange and yellow limonite.

Manganese oxide mineralization

Silicification

Mineralized joint systems, color denotes alteration and mineralization as in vein systems.

Calc-silicate alteration in limey sediments

Anticline or syncline showing apparent direction of plunge

Fault mapped on the ground

Photo linears - Identified on black and white vertical air photos of the area. Probably represents fault or fracture zones.

Scale

200 200 400

200

Contour [illegible] 5 feet

13°

N

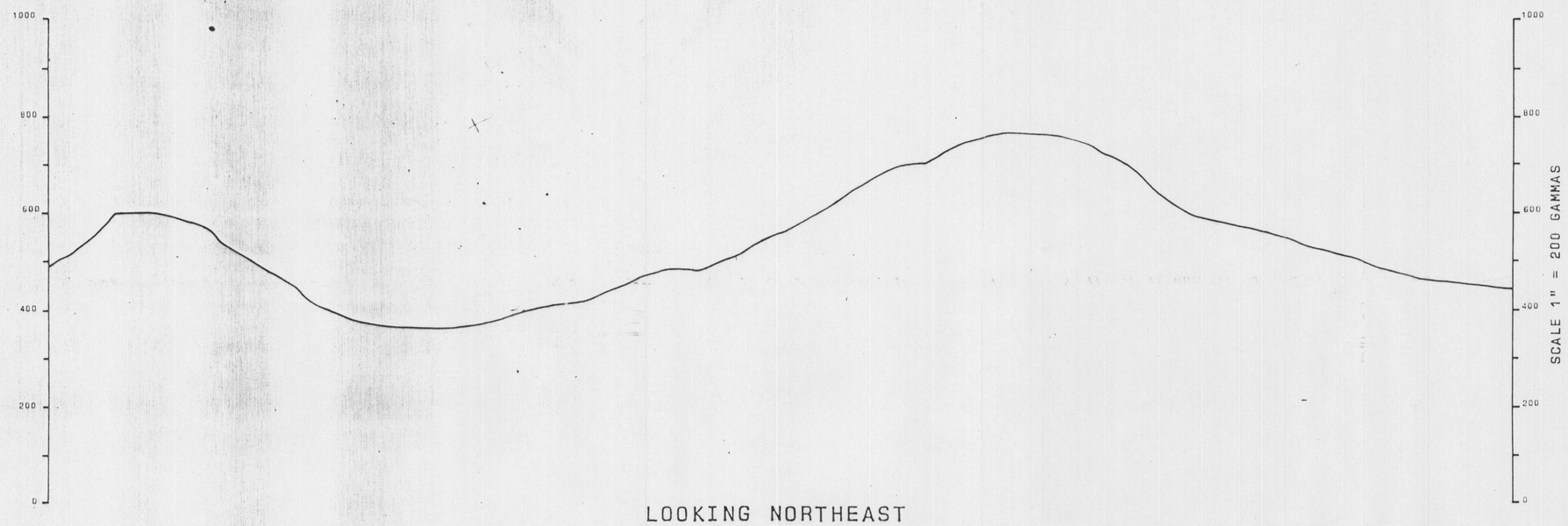
JAMES A. BRISCOE, CONSULTING GEOLOGIST

STATE: Ariz.	PROJECT - 105	DATE: Sept. 1973
COUNTY: [illegible]	TOMBSTONE MINING DISTRICT	GEOLOGY BY: J. A. Briscoe
MINING DIST: Tombstone	STATE OF MAINE AREA	DRAFTED BY: [illegible]
MTN. RANGE:		SAMPLES ASSAYED BY: Hawley and Hawley

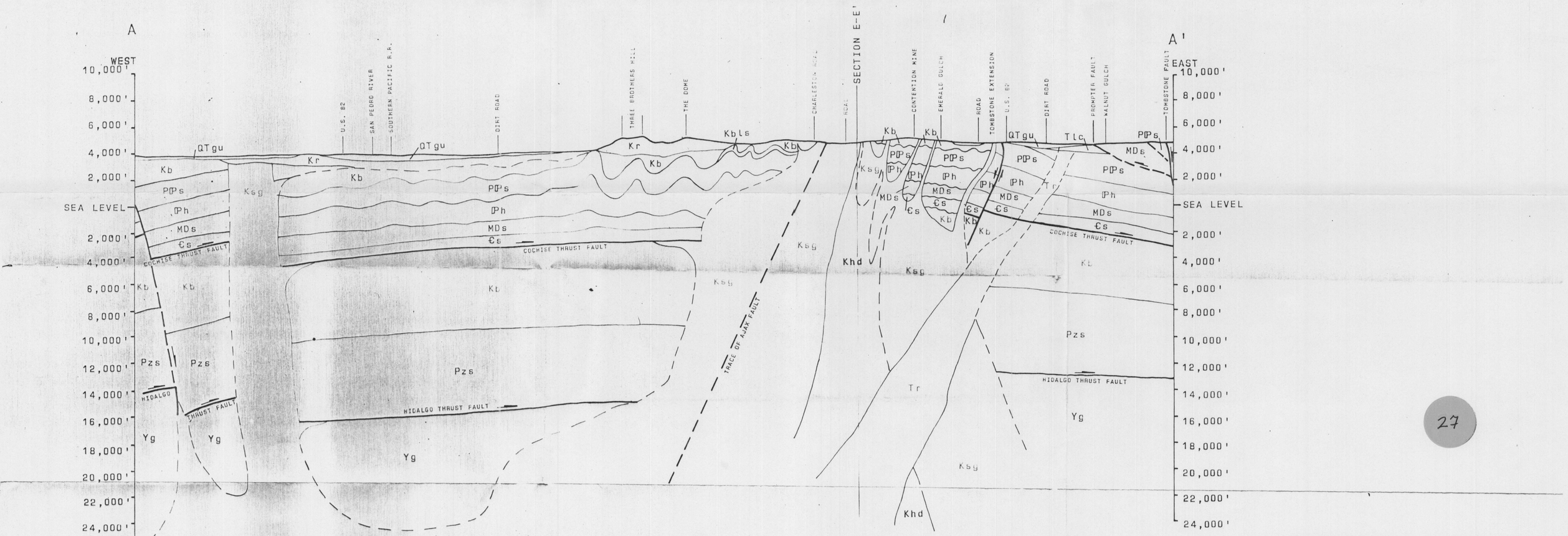
25

2531 0 4 AF 0 1 55

26



LOOKING NORTHEAST



27

DATE: 8/11/82	REVISIONS						
DRAWN BY: M.L.R.	DATE	NUMB	BY	DATE	NUMB	BY	
APPROVED							
	DRAWING NUMBER						
	D.N.	R	P	F	LOC.		

TOMBSTONE DEVELOPMENT COMPANY, INC.
T.19S. R.22E.,T.19S. R.23E.
SECTION A-A'

COUNTRY: U.S.A. GEOLOGY BY James A. Briscoe
STATE: ARIZONA
COUNTY: COCHISE
MOUNTAIN RANGE: TOMBSTONE HILLS
MINING DISTRICT: TOMBSTONE

James A. Briscoe & Associates, Inc.
Tucson, Arizona