Atomic Resources Corp.
523 Third Street NW
Albuquerque, N.M.

DEC 31 1957

MAP NO. 9

November Claim:

There has been no production from this claim. Drilling has found some low-grade mineralization consisting of 200 tons of 0.12 % U308 and1.22% V_2O_5. A good portion of the claim is unexplored. No surveying is needed but geology and further drilling are recommended.

Proposed costs are as follows:

Step No. 1	$ 230.00
Step No. 2	$1,507.00
	$1,737.00

Atomic Resources Corp.
523 Third St. NW.
Albuquerque, N.M.

MAP NO. 3

Geneva Claim:

This claim has been adequately surveyed. It needs geology, map in a small mine working in order to lay out the unexplored portion of the claim for drilling.

Drilling has indicated an ore body containing 2,836 tons of .27% U_3O_8 and 1.26% V_2O_5. Eight mine samples indicate an ore reserve of 150 tons of 0.19% U_3O_8 and 2.53 V_2O_5.

Proposed costs are as follows:

Step #1		$ 230.00
Step #2		6,850.00
	Total	$ 7.080.00

Atomic Resources Corp.
523 Third Street NW
Albuquerque, N.M.

RECEIVED
JAN 11 1957
D.M.E.M.

MAP NO. 5

Gilman Claim:

This claim has been adequately surveyed and sampled. It needs geology and drilling:

Proposed costs are as follows:

Step No. 1		$ 230.00
Step No. 2		3,425.00
	Total	$ 3,655.00

Atomic Resources Corp.
523 Third Street NW
Albuquerque, N.M.

MAP NO. 6

Dime Claim:

This mine was one of the largest producers on the property. It contains a small reserve in the mine workings indicated by mine sampling to be 62 tons of 0.30% U_3O_8 and 2.25% V_2O_5, and 338 tons of 0.128% U_3O_8 and 1.40% V_2O_5. It needs geology and drilling.

Proposed costs are as follows:

Step No. 1		$ 285.00
Step No. 2		10275.00
	Total	$10560.00

Atomic Resources Corporation
523 Third Street N.W.
Albuquerque, New Mexico

Sample No.	Thickness Feet	U_3O_8	V_2O_5
774	1.6	.14	1.14
775	4.1	.02	1.05
776	1.0	.53	2.62
777	2.0	.21	2.74
778	2.0	.88	4.36
779	1.6	.03	3.56
780	1.0	.25	1.67
781	2.0	.36	2.97
782	3.0	.01	1.09
783	1.0	.01	1.69
784	1.6	.02	1.58
785	1.5	.56	3.08
786	1.2	.02	0.40
787	3.1	.25	2.29
788	2.0	1.37	2.25
789	4.0	.05	1.31
790	4.0	.01	0.21
791	3.6	.05	0.60
792	2.4	.04	0.34
793	2.1	.01	1.17
794	1.4	.06	0.47
795	2.2	.04	0.23
796	1.4	.10	0.29
797	1.0	.11	1.38
798	1.0	.13	0.70
Arithmetic average	2.07	.21	1.57
Totals	5.18	5.28	39.19

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 8

Goodhope Claims:

This claim has produced a fair amount of ore, but mine sampling does not indicate a reserve. The property is nearly drilled out but there is room for a little more. The claim has been adequately surveyed but needs geology and more drilling to finish it off.

Proposed costs are as follows:

Step #1		$ 230.00
Step #2		413.00
	Total	$ 643.00

Atomic Resources Corp.
523 Third Street NW
Albuquerque, N.M.

RECEIVED
JAN 11 1957
DENVER

MAP NO. 7

Logan Claim:

This claim has also been a large producer but mine sampling does not indicate any reserve. It needs geology and drilling.

Proposed costs are as follows:

Step #1	$ 285.00
Step #2	10,275.00
	$ 10.560.00

Atomic Resources Corp.

523 Third St. NW

Albuquerque, N.M.

RECEIVED
JAN 11 1957
D.M.E.A.

MAP NO. 10

U_3O_8 Claim:

There has been no production from this claim. It is partially surveyed and needs more topography, geology and drilling.

Proposed costs are as follows:

Step #1		$ 430.00
Step #2		2,603.00
	Total	$ 3,033.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

RECEIVED
JAN 11 1957
D.M.E.M.

Map No. 11

V_2O_5 Claim:

There has been no production from this claim. It is partially surveyed and needs more topography, geology and drilling.

Proposed costs are as follows:

Step #1		$ 430.00
Step #2		2,603.00
	Total	3,033.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 12

Bee Claim:

There is a small ore reserve of 390 tons of 0.34% U_3O_8 and 1.05% V_2O_5 on this claim. In addition there is a small amount of ore left in 2 mine workings. Drilling has explored fairly well the western 2/3 of the claim.

No surveying or mine sampling are required, but geology and drilling are recommended.

Proposed costs are as follows:

Step #1	$ 230.00
Step #2	949.00
	$ 1,179.00

Atomic Resources Corp.
523 Third St. NW
Albuquerque, N.M.

MAP NO. 13

Red Patch Claims:

There has been a small amount of production but there are no ore reserves. The claim has been adequately surveyed and sampled. A major portion of the claim is unexplored and geology and drilling are recommended.

Proposed costs are as follows:

Step #1		$ 230.00
Step #2		1,096.00
	Total	$ 1,326.00

Atomic Resources Corp.
523 Third Street NW
Albuquerque, N.M.

MAP NO. 14

Red Match Claim:

There has been a small amount of production from this claim and mine samples show a high vanadium content. The claim has been adequately surveyed and sampled.

The area of mine production has not been sufficiently explored which is true for much of the claim. Geology and drilling is recommended.

Proposed costs are as follows:

Step #1		$ 230.00
Step #2		1,096.00
	Total	$ 1,326.00

Atomic Resources Corp.
523 Third Street NW,
Albuquerque, N.M.

RECEIVED
JAN 11 1957
DMEA

MAP NO. 4

Roanoke Claim:

This claim has two small ore bodies as shown on the map, in addition to what is termed the Gilman ore body. The Roanoke #1= has 1711 tons of 0.26% U_3O_8 and 1.50% V_2O_5. The Roanoke #2 has 2161 tons of 0.37% U_3O_8 and 1.50% V_2O_5. The Gilman contains 20,155 tons of 0.18% U_3O_8 and 0.75% V_2O_5.

The claim has been adequately surveyed and sampled, but it does need geology to determine the extent of the exploratory drilling.

Sampling of the Roanoke # (25 samples) gives an arithmetic average of 2.07 feet of 0.21 U_3O_8 and 1.57% V_2O_5.

Proposed costs are as follows:

Step #1	$ 230.00
Step #2	3,425.00
	$ 3,655.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 16-A

Frisco No. 2 Claim:

This map was made by Vanadium Alloys Corp. about 1931 and redrawn by Chapman and Wood. Its relation to the other claim in the Frisco Group is shown on Map No. 16.

It is believed that most of the ore bodies shown in red have been mined out.

It is recommended that the claim be re-surveyed, additional topography, mine workings, geology and drilling.

Frisco Claim mine samples

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[redacted]

[redacted]

[redacted]

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 16

Frisco Group Claims:

This map shows the relation of the various claims, mine workings and ore bodies as surveyed by Vanadium Alloys Corp. in 1931.

Some of the mine workings have been sampled and the assay results are attached.

The group sorely needs surveying of the surface and mine workings, tie in mine sampling, geology and drilling.

Proposed costs are as follows:

Step #1		$ 3,540.00
Step #2		10,833.00
	Total	14,373.00

RECEIVED
JAN 11 1957
D.M.E.A.

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 17

Sunset Claim:

This claim was surveyed by Vanadium Alloys Corp. in about 1931. The map of the surface and underground are surveyed fairly well, and the mine workings have been sampled, results of which are attached herewith.

In the summer of 1955 Utoco or Utco announced that they had drilled out a $100,000 ore body immediately adjacent to this claim.

It is recommended that the surveying be finished, possibly a little more mine sampling, geology and drilling.

Proposed costs are as follows:

Step #1		$ 590.00
Step #2		3562.00
	Total	$ 4152.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 18

Happy Jack Claims:

The Happy Jack mine was an important producer of hi-grade vanadium ore. At this time the mine workings are not accessible, as the mine entrance is caved but not badly and on inclined shaft on east side though in fair condition had water at the bottom in the summer of 1955.

The claims should be surveyed to establish corners, re-open the mine, surface and mine survey, geology and drilling.

Proposed costs are as follows:

Step #1	$3,700.00
Step #2	6,038.00
Total	$ 9,738.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 15

Woodrow Wilson Claims:

There has been much production from this old mine. Previous drilling has found no ore on its south side or east end. Mine sampling has indicated a small reserve.

The exact dimensions of the claims are not known. It is recommended that the claims be surveyed to determine how much of them are unexplored.

Proposed cost of this work is as follows:

Step #1	$ 300.00
Total	$ 300.00

Atomic Resources Corp.

523 Third Street NW

Albuquerque, N.M.

MAP NO. 16B

Midvale and Neighbor Claims:

This map was made by Vanadium Alloys Corp. about 1931, and their relation to the other claims is shown on Map No. 16.

In addition to minor workings, there is a mine developed at the point marked "open cut" which has exploited part of the ore body outlined in red. It is quite possible that a good portion of this ore body remains.

It is recommended that the claims be re-surveyed, topography, mine workings, some mine sampling, geology and drilling.

Atomic Resources Corp.
523 Third Street N.W.
Albuquerque, New Mexico

OFFICIAL FILE COPY
DMEA
RECEIVED 1957

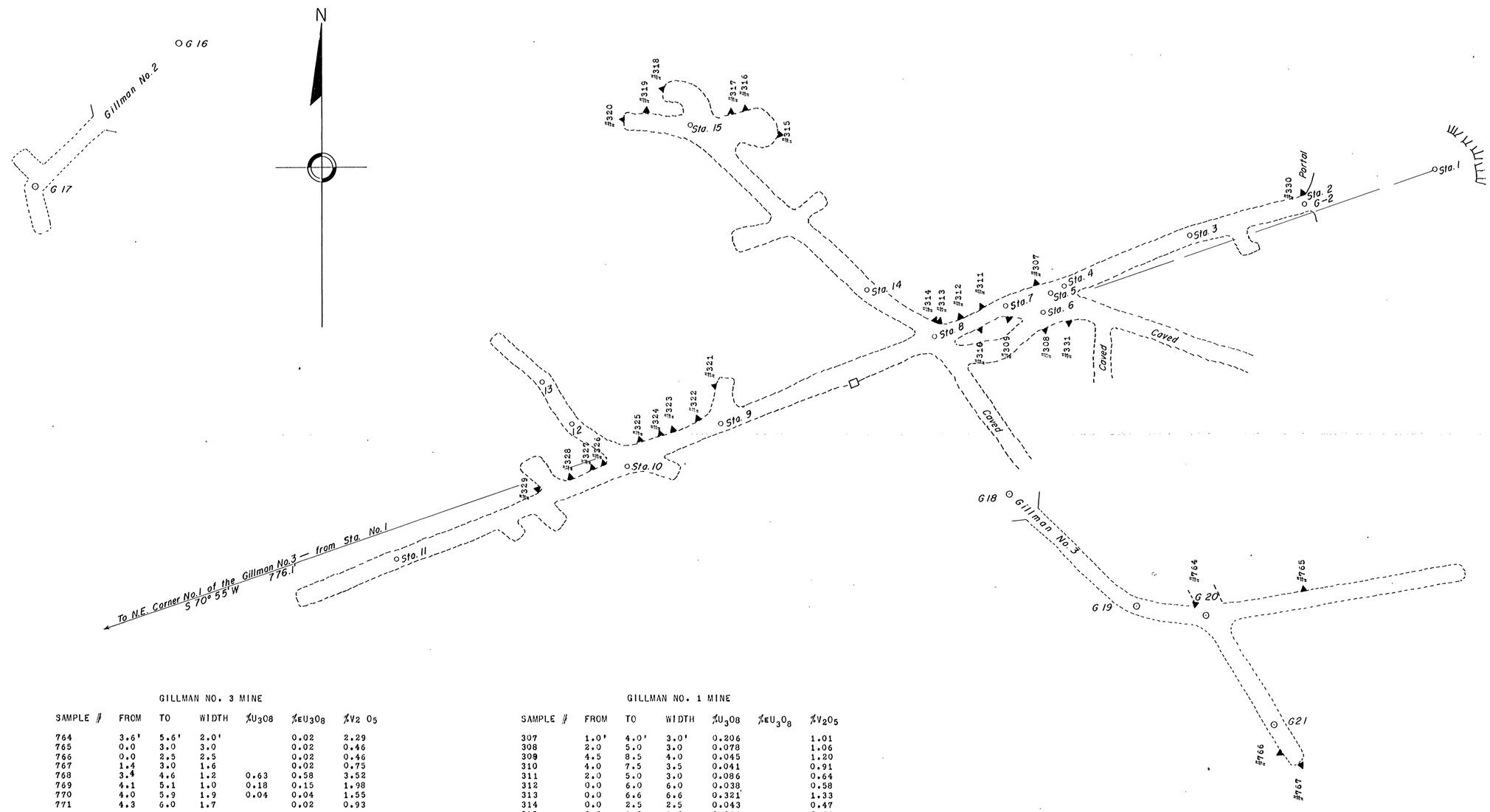
MAP NO. 1

This map shows the location of all the claim groups of the Waterfall Property.

Summarized below are the combined costs of Step Nos. 1 and 2 of the exploration program:

1.	Waterfall Claims	$ 47,783.00
2.	Wilson Claims	300.00
3.	Jackpot Claims	5,645.00
4.	Frisco Claims	14,373.00
5.	Sunset Claim	4,152.00
6.	Happy Jack Claims	9,738.00
	Total	$ 81,995.00

On each of the following maps the status of the claims is described and also the costs of Step Nos. 1 and 2.



GILLMAN NO. 3 MINE

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%εU_3O_8	%V_2O_5
764	3.6'	5.6'	2.0'		0.02	2.29
765	0.0	3.0	3.0		0.02	0.46
766	0.0	2.5	2.5		0.02	0.46
767	1.4	3.0	1.6		0.02	0.75
768	3.4	4.6	1.2	0.63	0.58	3.52
769	4.1	5.1	1.0	0.18	0.15	1.98
770	4.0	5.9	1.9	0.04	0.04	1.55
771	4.3	6.0	1.7		0.02	0.93

GILLMAN NO. 1 MINE

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%εU_3O_8	%V_2O_5
307	1.0'	4.0'	3.0'	0.206		1.01
308	2.0	5.0	3.0	0.078		1.06
309	4.5	8.5	4.0	0.045		1.20
310	4.0	7.5	3.5	0.041		0.91
311	2.0	5.0	3.0	0.086		0.64
312	0.0	6.0	6.0	0.038		0.58
313	0.0	6.6	6.6	0.321		1.33
314	0.0	2.5	2.5	0.043		0.47
315	0.0	1.0	1.0	0.019		0.43
316			5.0	0.021		0.50
317			4.0	0.014		0.37
318	0.0	4.5	4.5	0.052		0.61
319	0.0	4.5	4.5	0.20		0.21
320	0.0	4.5	4.5	0.21		0.09
321			3.0	0.174		1.24
322			3.0	0.438		2.56
323			4.0	0.050		0.28
324			3.0	0.102		0.38
325	0.0	3.0	3.0	0.037		0.61
326			2.5	0.257		1.45
327			2.5	0.018		0.11
328			4.0	0.006		0.06
329			4.0	0.016		0.19
330	2.5	6.5	4.0	0.228		1.96
331	2.8	5.8	3.0	0.02	0.07	0.01

MAP OF THE GILLMAN MINE
UNDERGROUND WORKINGS

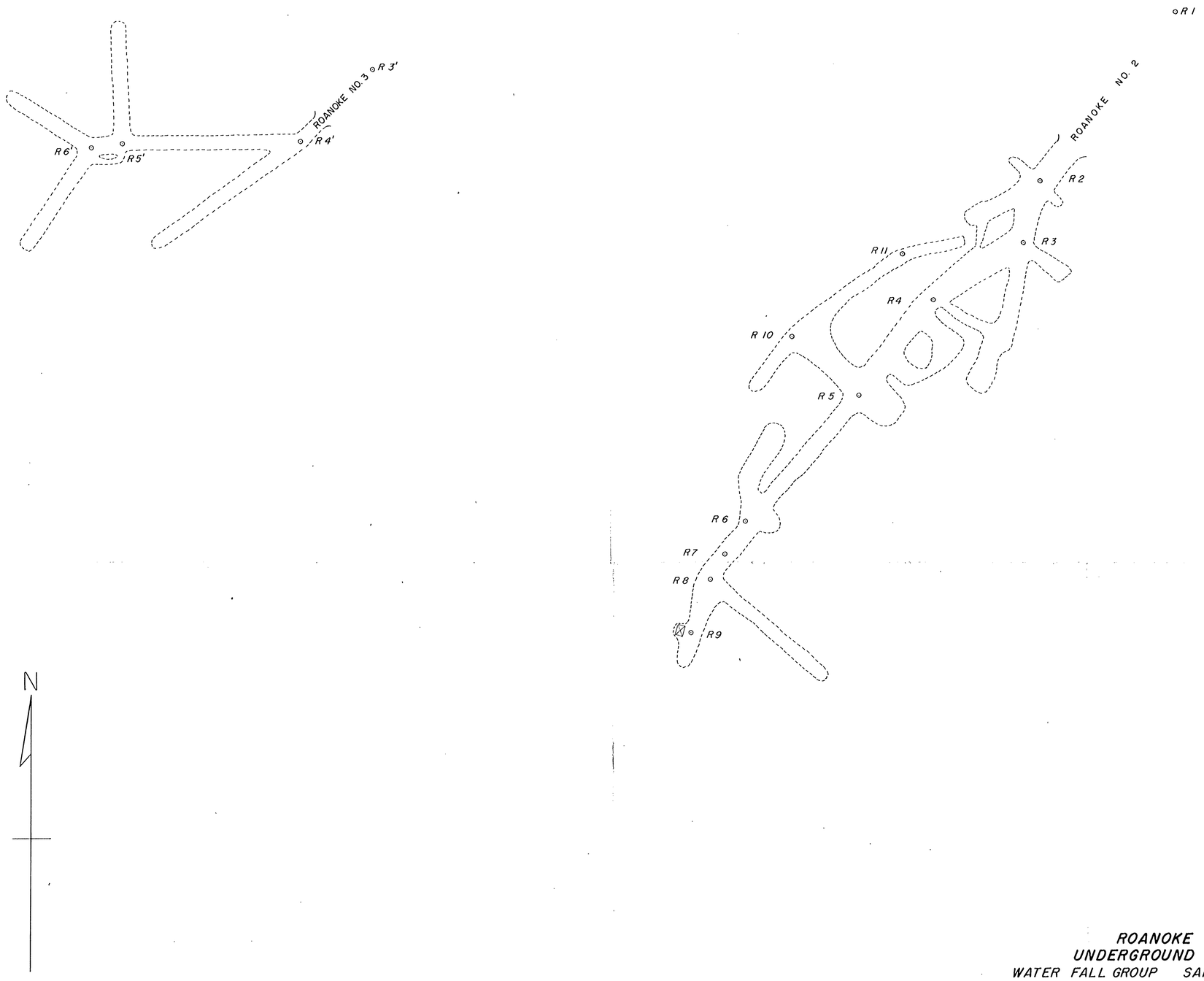
WATERFALL GROUP — SAN JUAN COUNTY, UTAH

CHAPMAN & WOOD DRWG. NO. U-22

SCALE 1" = 20'

Atomic Res. Corp. JANUARY, 1956
523 - 3rd St. N.W.
ABQ - N.M.

Map No. 5A

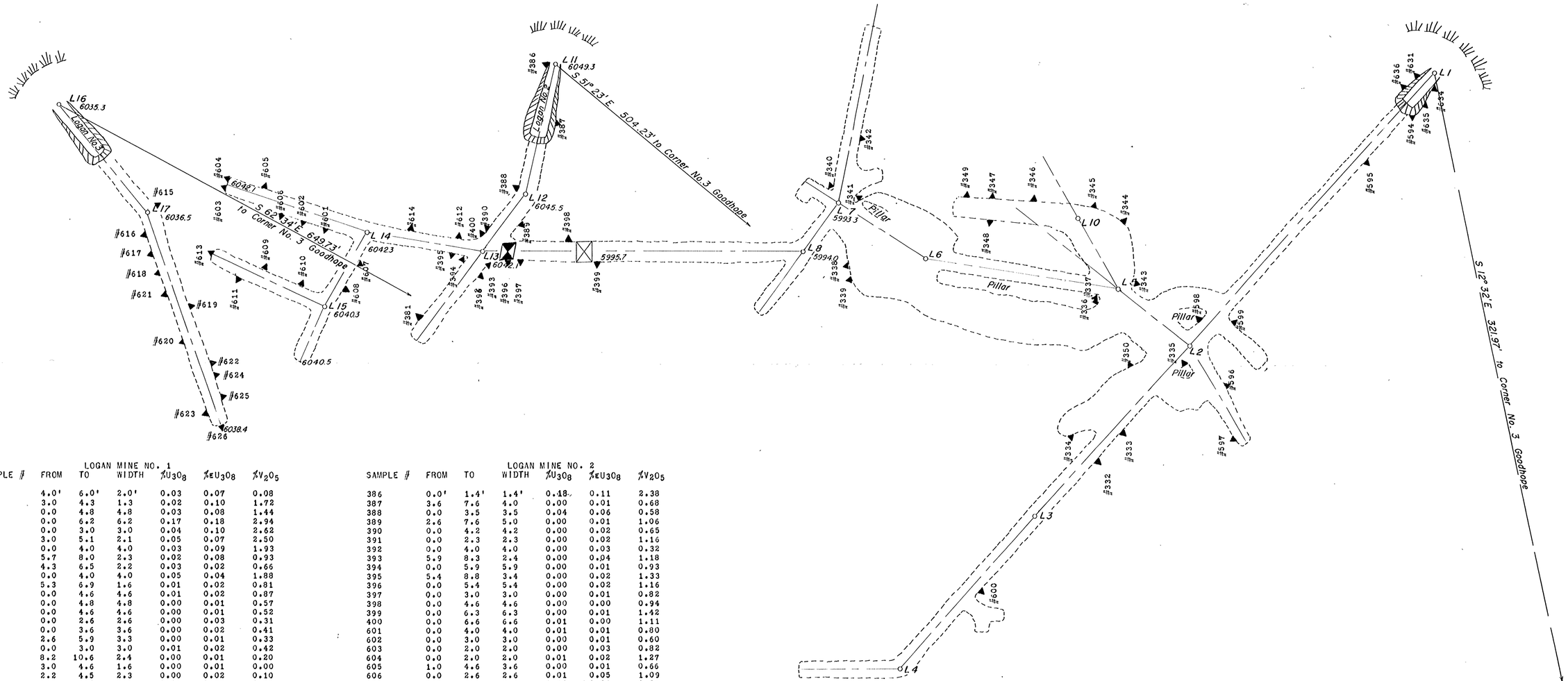


ROANOKE CLAIM
UNDERGROUND WORKINGS
WATER FALL GROUP SAN JUAN COUNTY, UTAH

CHAPMAN & WOOD DRWG. U-1
DECEMBER 1955

SCALE 1"=20'

Map No. 4A



LOGAN MINE NO. 1

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%EU_3O_8	%V_2O_5
332	4.0'	6.0'	2.0'	0.03	0.07	0.08
333	3.0	4.3	1.3	0.02	0.10	1.72
334	0.0	4.8	4.8	0.03	0.08	1.44
335	0.0	6.2	6.2	0.17	0.18	2.94
336	0.0	3.0	3.0	0.04	0.10	2.62
337	3.0	5.1	2.1	0.05	0.07	2.50
338	0.0	4.0	4.0	0.03	0.09	1.93
339	5.7	8.0	2.3	0.02	0.08	0.93
340	4.3	6.5	2.2	0.03	0.02	0.66
341	0.0	4.0	4.0	0.05	0.04	1.88
342	5.3	6.9	1.6	0.01	0.02	0.81
343	0.0	4.6	4.6	0.01	0.02	0.87
344	0.0	4.8	4.8	0.00	0.01	0.57
345	0.0	4.6	4.6	0.00	0.01	0.52
346	0.0	2.6	2.6	0.00	0.03	0.31
347	0.0	3.6	3.6	0.00	0.02	0.41
348	2.6	5.9	3.3	0.00	0.01	0.33
349	0.0	3.0	3.0	0.01	0.02	0.42
350	8.2	10.6	2.4	0.00	0.01	0.20
594	3.0	4.6	1.6	0.00	0.01	0.00
595	2.2	4.5	2.3	0.00	0.02	0.10
596	1.6	4.0	2.4	0.01	0.03	0.76
597	0.0	4.7	4.7	0.00	0.02	0.24
598	0.0	4.8	4.8	0.02	0.02	0.78
599	3.1	5.1	2.0	0.04	0.06	0.90
600	4.0	5.4	1.4	0.26	0.25	2.98
634	0.0	3.6	3.6	0.00	0.01	0.97
635	6.0	8.0	2.0	0.00	0.01	0.76
636	0.0	1.6	1.6	0.01	0.01	1.23
637	0.0	1.0	1.0	0.00	0.02	1.26

LOGAN MINE NO. 2

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%EU_3O_8	%V_2O_5
386	0.0'	1.4'	1.4'	0.18	0.11	2.38
387	3.6	7.6	4.0	0.00	0.01	0.68
388	0.0	3.5	3.5	0.04	0.06	0.58
389	2.6	7.6	5.0	0.00	0.01	1.06
390	0.0	4.2	4.2	0.00	0.02	0.65
391	0.0	2.3	2.3	0.00	0.02	1.16
392	0.0	4.0	4.0	0.00	0.03	0.32
393	5.9	8.3	2.4	0.00	0.04	1.18
394	0.0	5.9	5.9	0.00	0.01	0.93
395	5.4	8.8	3.4	0.00	0.02	1.33
396	0.0	5.4	5.4	0.00	0.02	1.16
397	0.0	3.0	3.0	0.00	0.01	0.82
398	0.0	4.6	4.6	0.00	0.00	0.94
399	0.0	6.3	6.3	0.00	0.01	1.42
400	0.0	6.6	6.6	0.01	0.00	1.11
601	0.0	4.0	4.0	0.01	0.01	0.80
602	0.0	3.0	3.0	0.00	0.01	0.60
603	0.0	2.0	2.0	0.00	0.03	0.82
604	0.0	2.0	2.0	0.01	0.02	1.27
605	1.0	4.6	3.6	0.00	0.01	0.66
606	0.0	2.6	2.6	0.01	0.05	1.09
607	0.0	3.4	3.4	0.00	0.04	0.56
608	0.0	4.6	4.6	0.00	0.02	0.51
609	0.0	3.0	3.0	0.00	0.02	0.64
610	0.0	5.9	5.9	0.00	0.04	0.38
611	0.0	4.1	4.1	0.00	0.04	0.50
612	0.0	3.0	3.0	0.00	0.04	0.57
613	0.0	2.6	2.6	0.00	0.01	1.14
614	0.0	4.2	4.2	0.00	0.00	0.51

LOGAN MINE NO. 3

615	2.0	5.9	3.9	0.01	0.04	0.66
616	3.2	6.4	3.2	0.00	0.02	0.29
617	4.2	6.0	1.8	0.00	0.05	0.36
618	1.0	5.0	4.0	0.00	0.04	0.28
619	0.0	2.6	2.6	0.00	0.03	0.30
620	0.0	3.1	3.1	0.00	0.00	0.16
621	0.0	2.8	2.8	0.00	0.00	0.47
622	0.0	2.5	2.5	0.01	0.05	0.28
623	0.0	1.9	1.9	0.00	0.01	0.25
624	1.0	2.8	1.8	0.00	0.01	0.31
625	0.0	1.6	1.6	0.00	0.02	0.38
626	0.0	1.1	1.1	0.00	0.04	0.29

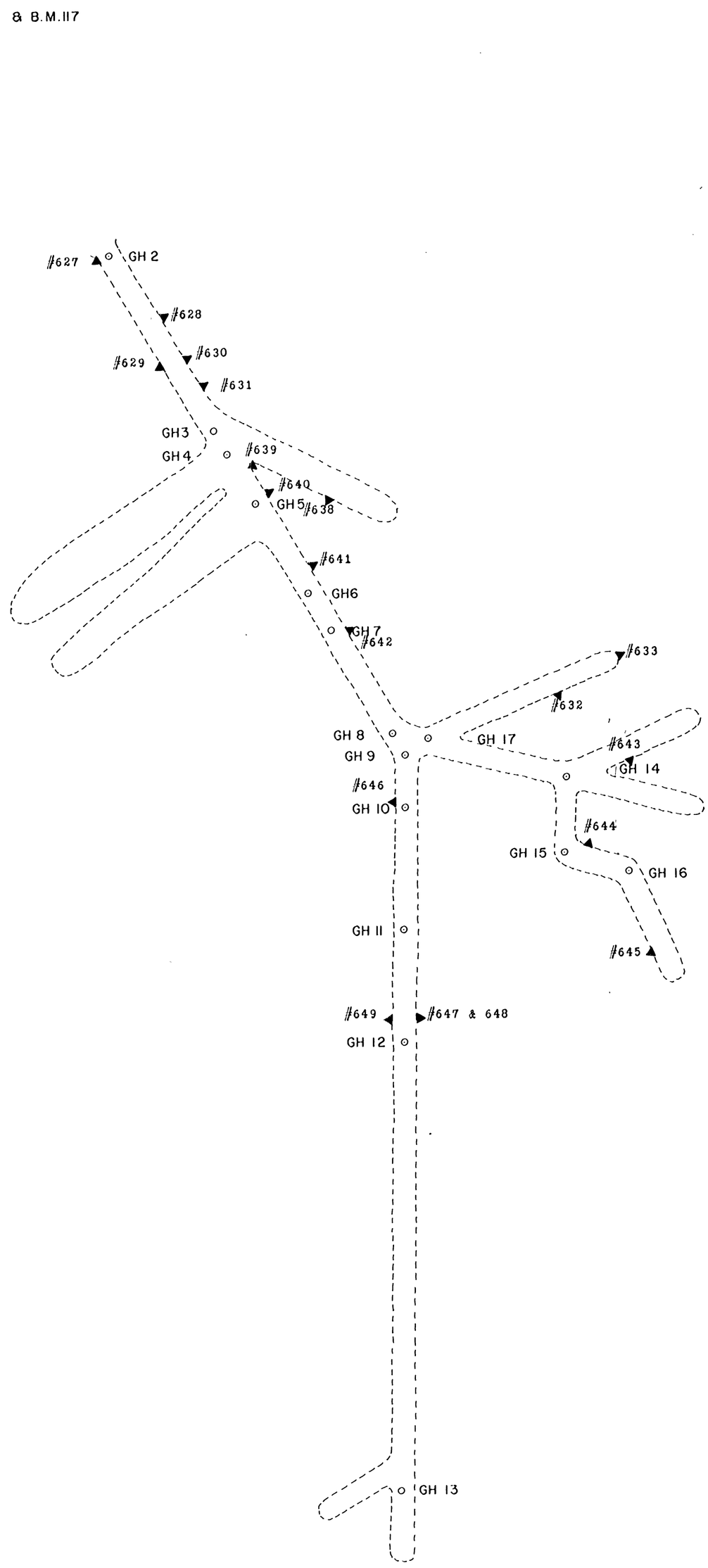
LOGAN CLAIM
UNDERGROUND WORKINGS
WATERFALL GROUP — SAN JUAN COUNTY, UTAH

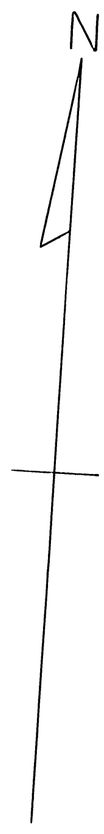
CHAPMAN & WOOD DRWG. NO. U-23

JANUARY, 1956
SCALE 1" = 20'

Atomic Res. Corp.
523 - 3rd St. N.W.
ABQ - N.M.

Map No. 7A





SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%eU_3O_8	%V_2O_5
627	0.0'	3.6'	3.6'	0.00	0.05	0.73
628	0.0	4.0	4.0	0.00	0.02	0.86
629	0.0	2.3	2.3	0.00	0.00	0.26
630	0.0	3.0	3.0	0.00	0.02	0.66
631	0.0	4.4	4.4	0.00	0.05	0.74
632	0.0	2.1	2.1	0.00	0.02	0.63
633	2.6	5.1	2.5	0.01	0.05	1.48
638	0.0	3.0	3.0	0.00	0.04	0.03
639	2.0	5.0	3.0	0.00	0.02	0.98
640	5.8	7.0	1.2	0.00	0.02	1.28
641	5.0	6.8	1.8	0.00	0.01	0.90
642	2.3	4.1	2.7	0.01	0.03	2.07
643	0.0	2.0	2.0	0.01	0.04	1.70
644	0.0	2.4	2.4	0.00	0.05	2.48
645	0.0	2.0	2.0	0.01	0.02	0.36
646	0.0	2.6	2.6	0.01	0.02	0.92
647	3.0	4.0	1.0	0.01	0.02	3.20
648	1.0	2.0	1.0	0.01	0.02	0.59
649	0.0	1.0	1.0	0.01	0.01	1.11
650	1.8	3.2	1.4	0.02	0.03	0.35

GOODHOPE CLAIM
UNDERGROUND WORKINGS
WATER FALL GROUP SAN JUAN COUNTY, UTAH

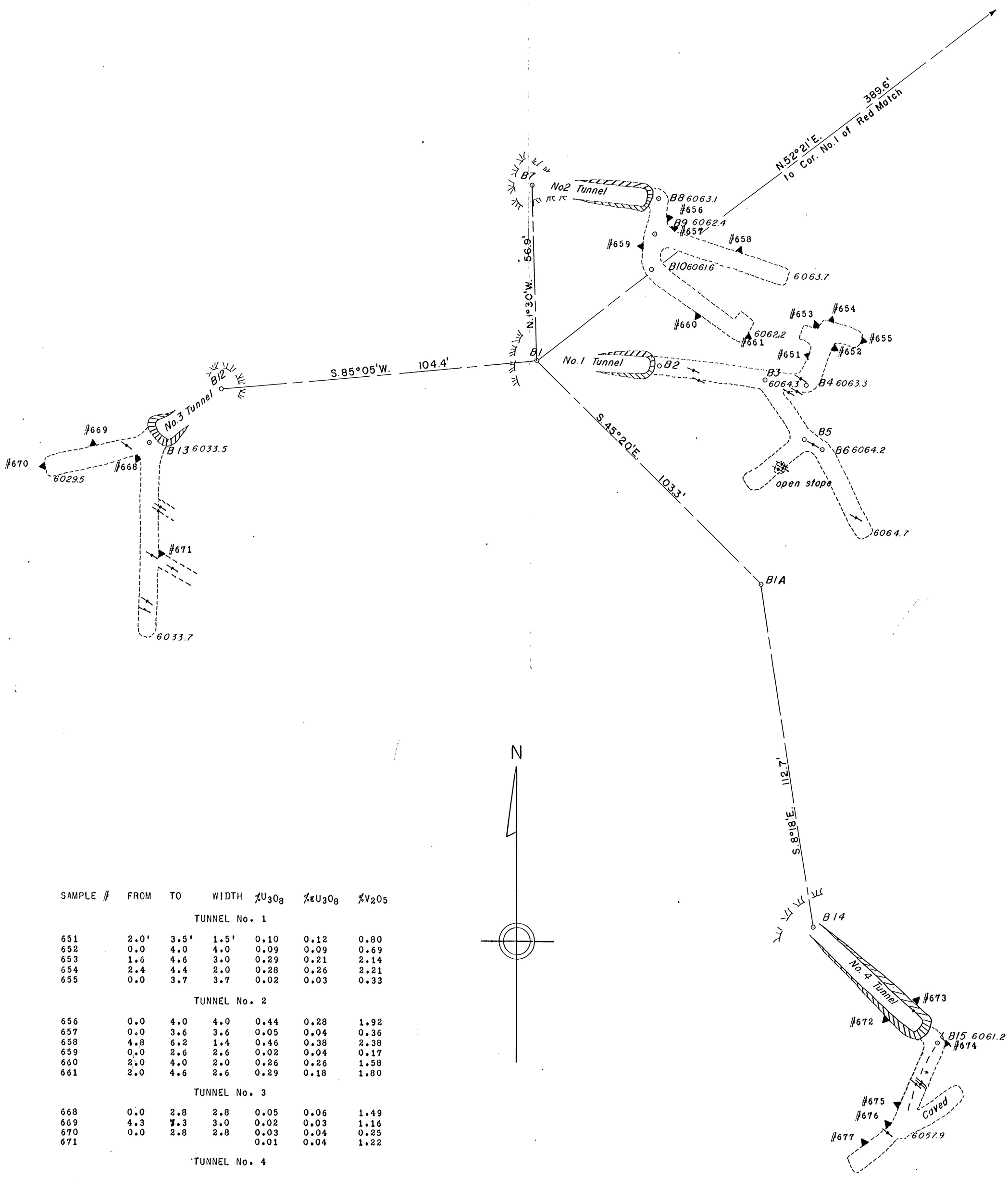
CHAPMAN & WOOD DRWG. U-8

DECEMBER 1955

SCALE 1"=20'

Map No. 8A

Atomic Res. Corp.
523-3rd St. N.W.
ABQ-N.M.



SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%EU_3O_8	%V_2O_5
			TUNNEL No. 1			
651	2.0'	3.5'	1.5'	0.10	0.12	0.80
652	0.0	4.0	4.0	0.09	0.09	0.69
653	1.6	4.6	3.0	0.29	0.21	2.14
654	2.4	4.4	2.0	0.28	0.26	2.21
655	0.0	3.7	3.7	0.02	0.03	0.33
			TUNNEL No. 2			
656	0.0	4.0	4.0	0.44	0.28	1.92
657	0.0	3.6	3.6	0.05	0.04	0.36
658	4.8	6.2	1.4	0.46	0.38	2.38
659	0.0	2.6	2.6	0.02	0.04	0.17
660	2.0	4.0	2.0	0.26	0.26	1.58
661	2.0	4.6	2.6	0.29	0.18	1.80
			TUNNEL No. 3			
668	0.0	2.8	2.8	0.05	0.06	1.49
669	4.3	7.3	3.0	0.02	0.03	1.16
670	0.0	2.8	2.8	0.03	0.04	0.25
671				0.01	0.04	1.22
			TUNNEL No. 4			
672	5.0	6.2	1.2	0.25	0.24	1.26
673	3.8	4.8	1.0	0.09	0.11	0.94
674	0.0	1.0	1.0	0.41	0.20	0.68
675	4.9	6.0	1.1	0.18	0.16	1.94
676	0.0	2.0	2.0	0.02	0.06	2.32
677	0.0	2.0	2.0	0.02	0.08	1.57

BEE CLAIM
UNDERGROUND WORKINGS
WATERFALL GROUP — SAN JUAN COUNTY, UTAH

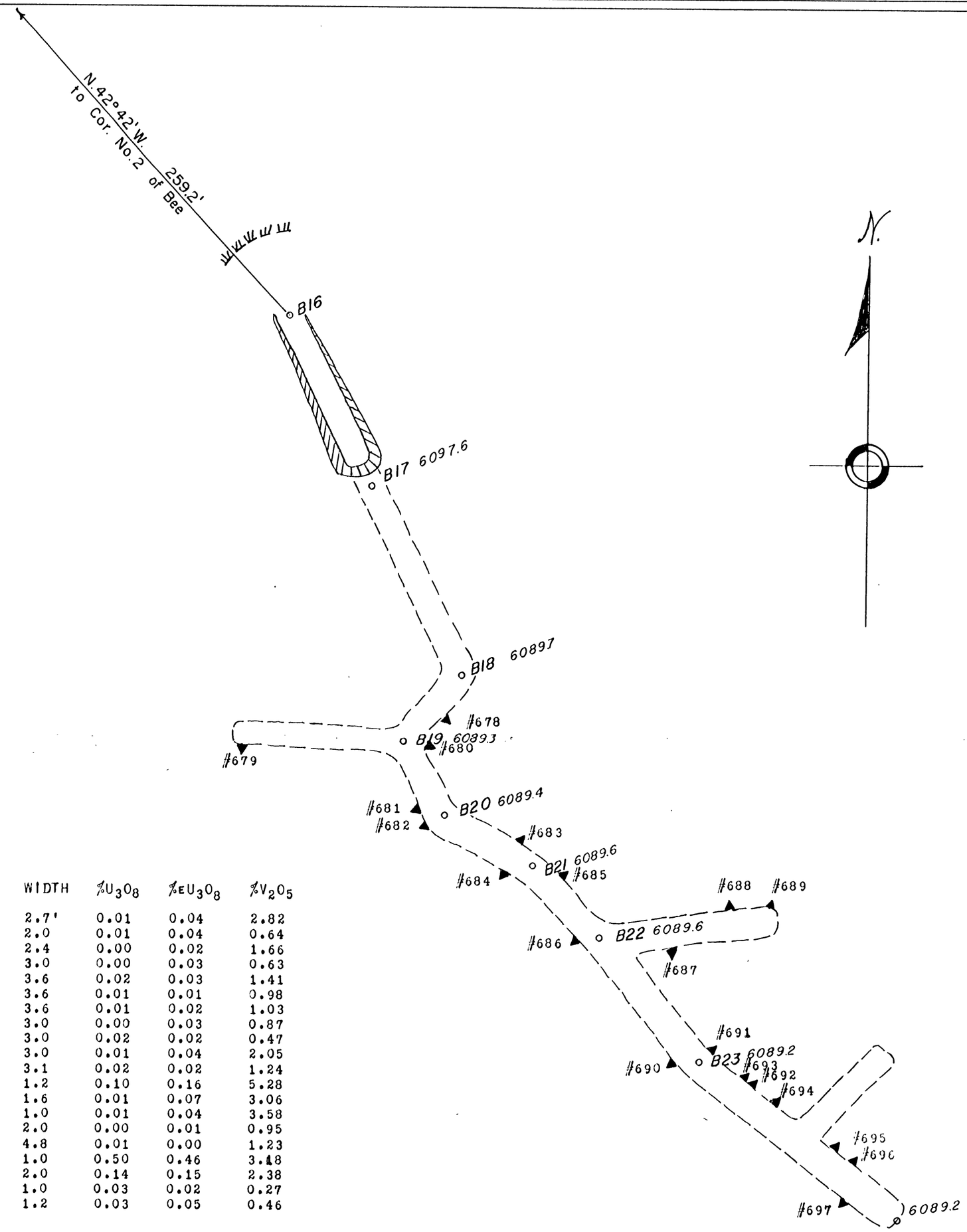
CHAPMAN & WOOD DRWG. NO. U-18

JANUARY, 1956

SCALE 1" = 20'

Atomic Res. Corp.
523-3rd St. N.W.
ABQ - N.M.

Map No. 12A



SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%EU_3O_8	%V_2O_5
678	2.0'	4.7'	2.7'	0.01	0.04	2.82
679	0.0	2.0	2.0	0.01	0.04	0.64
680	0.0	2.4	2.4	0.00	0.02	1.66
681	0.0	3.0	3.0	0.00	0.03	0.63
682	0.0	3.6	3.6	0.02	0.03	1.41
683	0.0	3.6	3.6	0.01	0.01	0.98
684	1.0	4.6	3.6	0.01	0.02	1.03
685	0.0	3.0	3.0	0.00	0.03	0.87
686	0.0	3.0	3.0	0.02	0.02	0.47
687	1.8	4.8	3.0	0.01	0.04	2.05
688	0.0	3.1	3.1	0.02	0.02	1.24
689	4.0	5.2	1.2	0.10	0.16	5.28
690	0.0	1.6	1.6	0.01	0.07	3.06
691	1.6	2.6	1.0	0.01	0.04	3.58
692	5.0	7.0	2.0	0.00	0.01	0.95
693	1.0	5.8	4.8	0.01	0.00	1.23
694	3.8	4.8	1.0	0.50	0.46	3.18
695	2.5	4.5	2.0	0.14	0.15	2.38
696	2.3	3.3	1.0	0.03	0.02	0.27
697	0.0	1.2	1.2	0.03	0.05	0.46

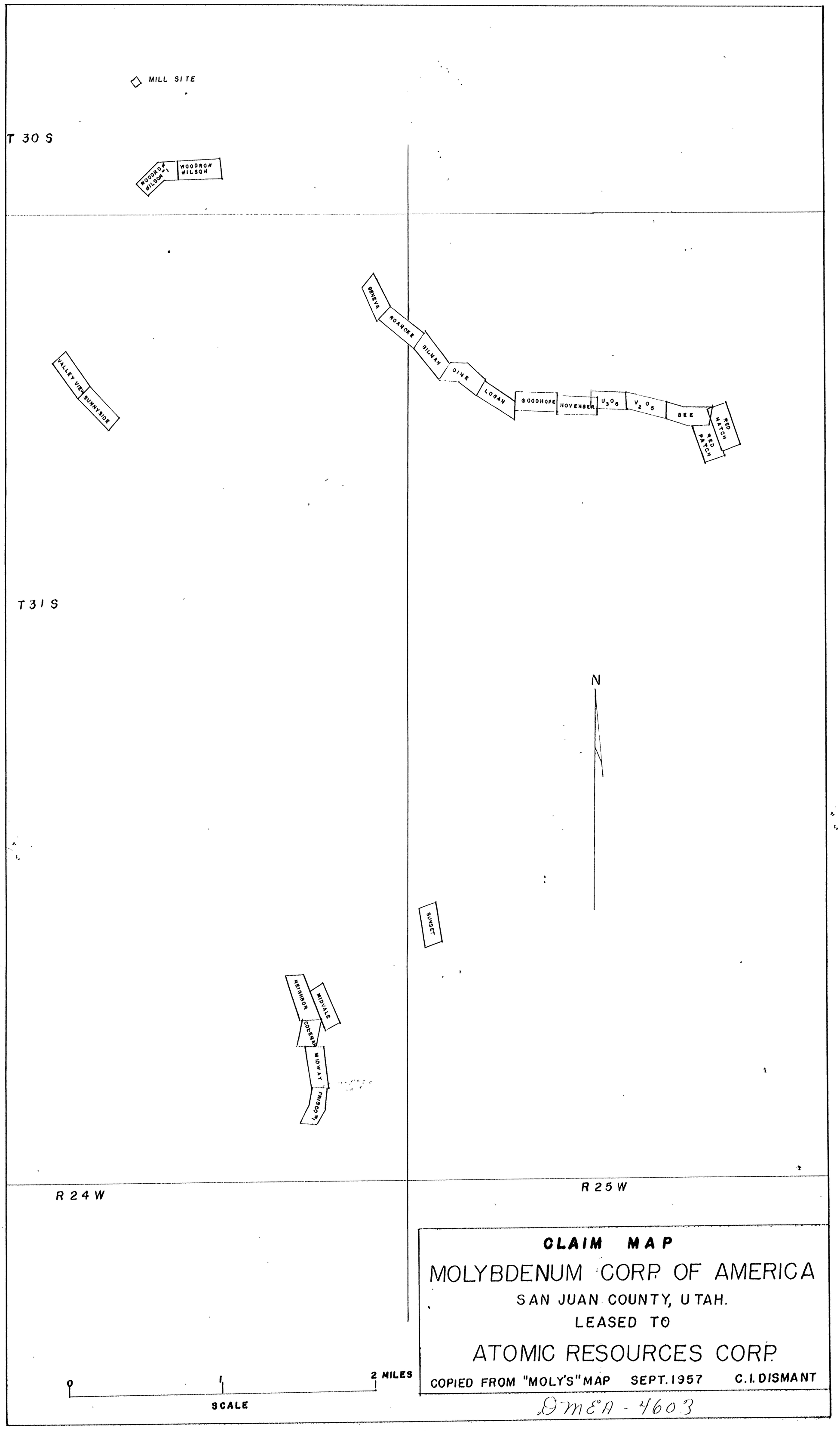
RED MATCH CLAIM
UNDERGROUND WORKINGS
WATERFALL GROUP SAN JUAN COUNTY, UTAH

Atomic Res. Corp.
523-3rd St. N.M.
ABQ - N.M.

CHAPMAN & WOOD DRWG. NO. U-19
JANUARY, 1956

SCALE 1"=20'

Map No. 14A



CLAIM MAP

MOLYBDENUM CORP. OF AMERICA

SAN JUAN COUNTY, UTAH.

LEASED TO

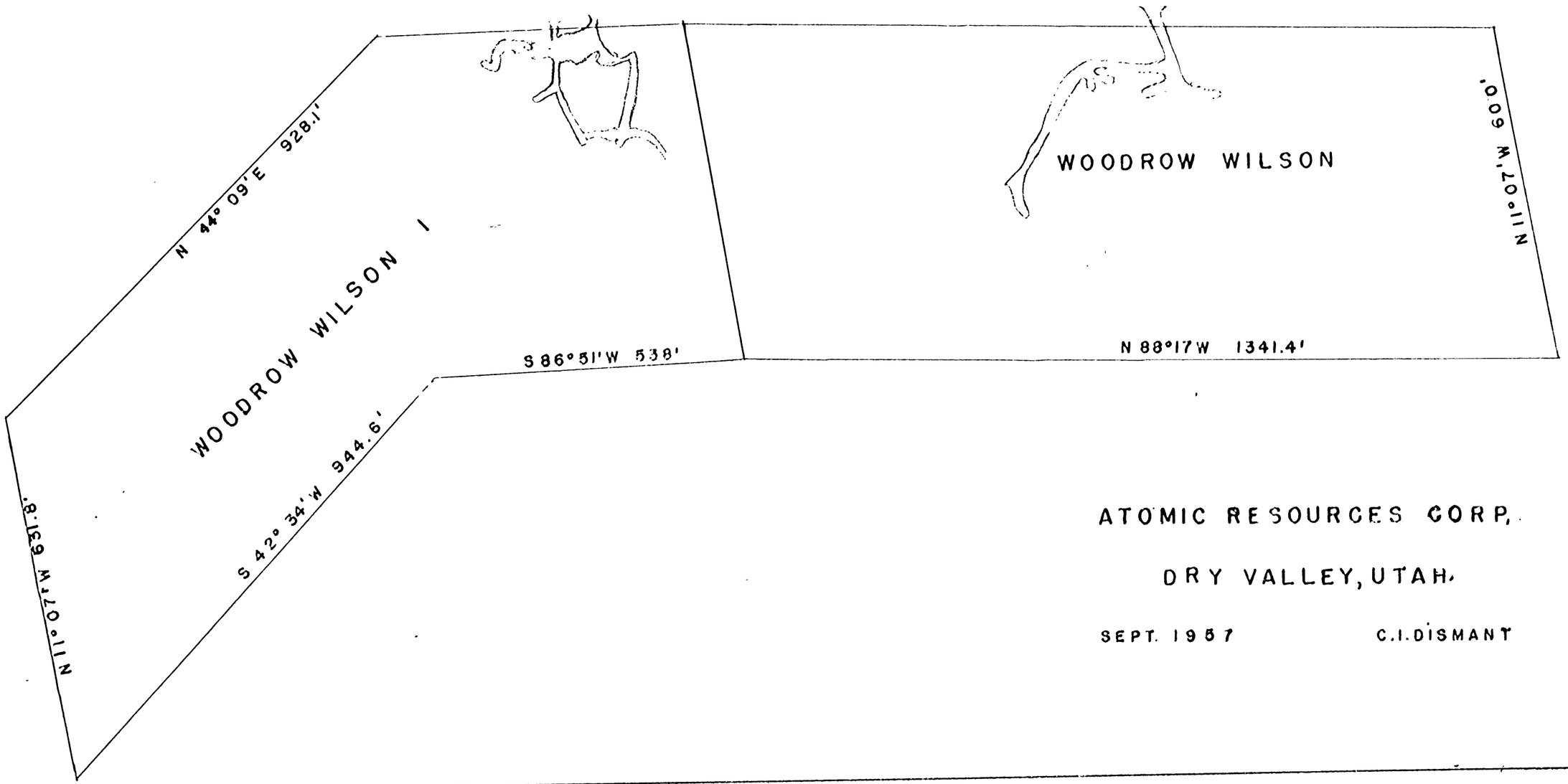
ATOMIC RESOURCES CORP.

COPIED FROM "MOLY'S" MAP SEPT. 1957 C.I. DISMANT

DMEA - 4603

DMEA 1603

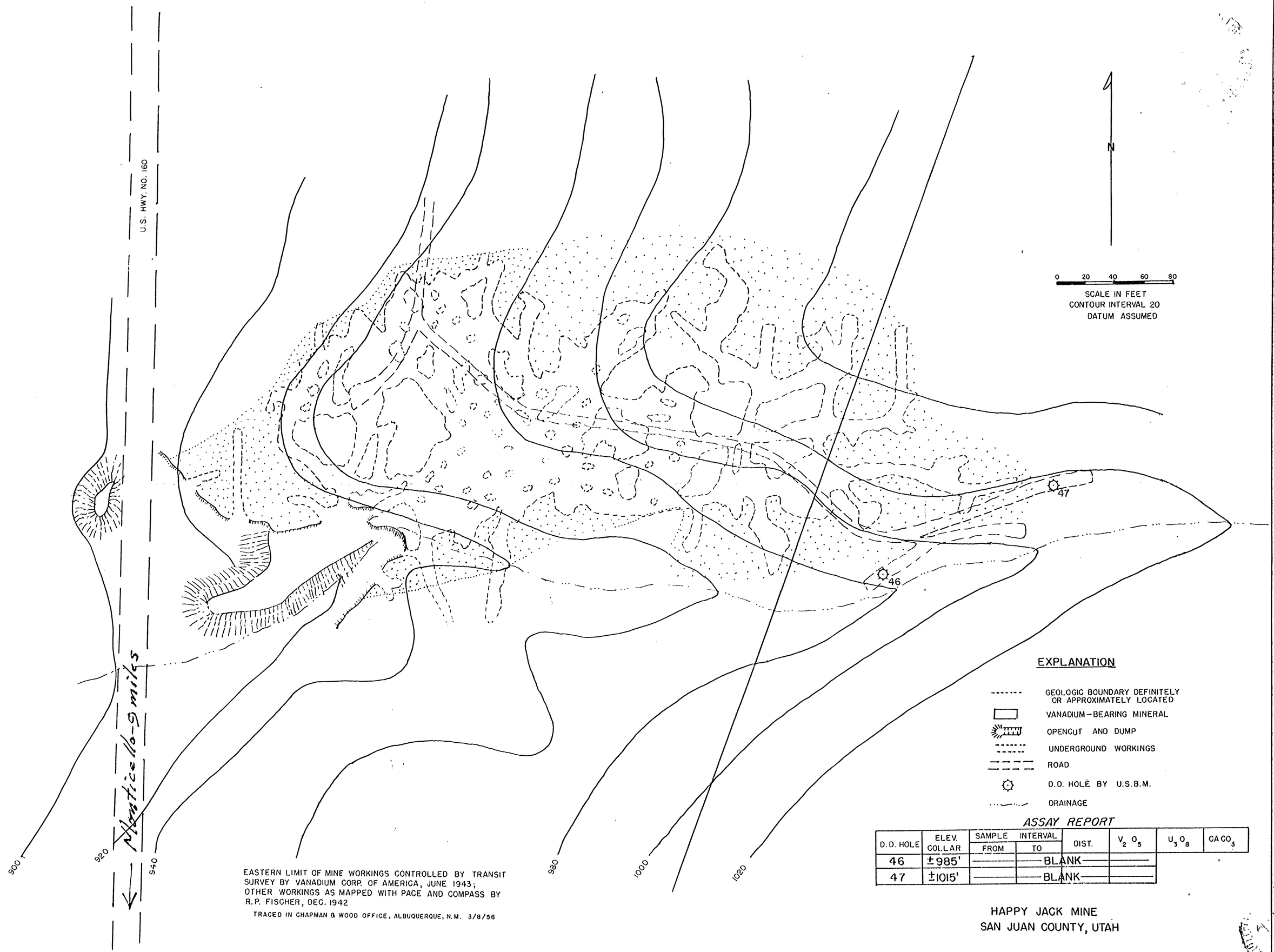
SEC. 35, T30S, R24E



ATOMIC RESOURCES CORP.

DRY VALLEY, UTAH.

SEPT. 1957 C.I. DISMANT

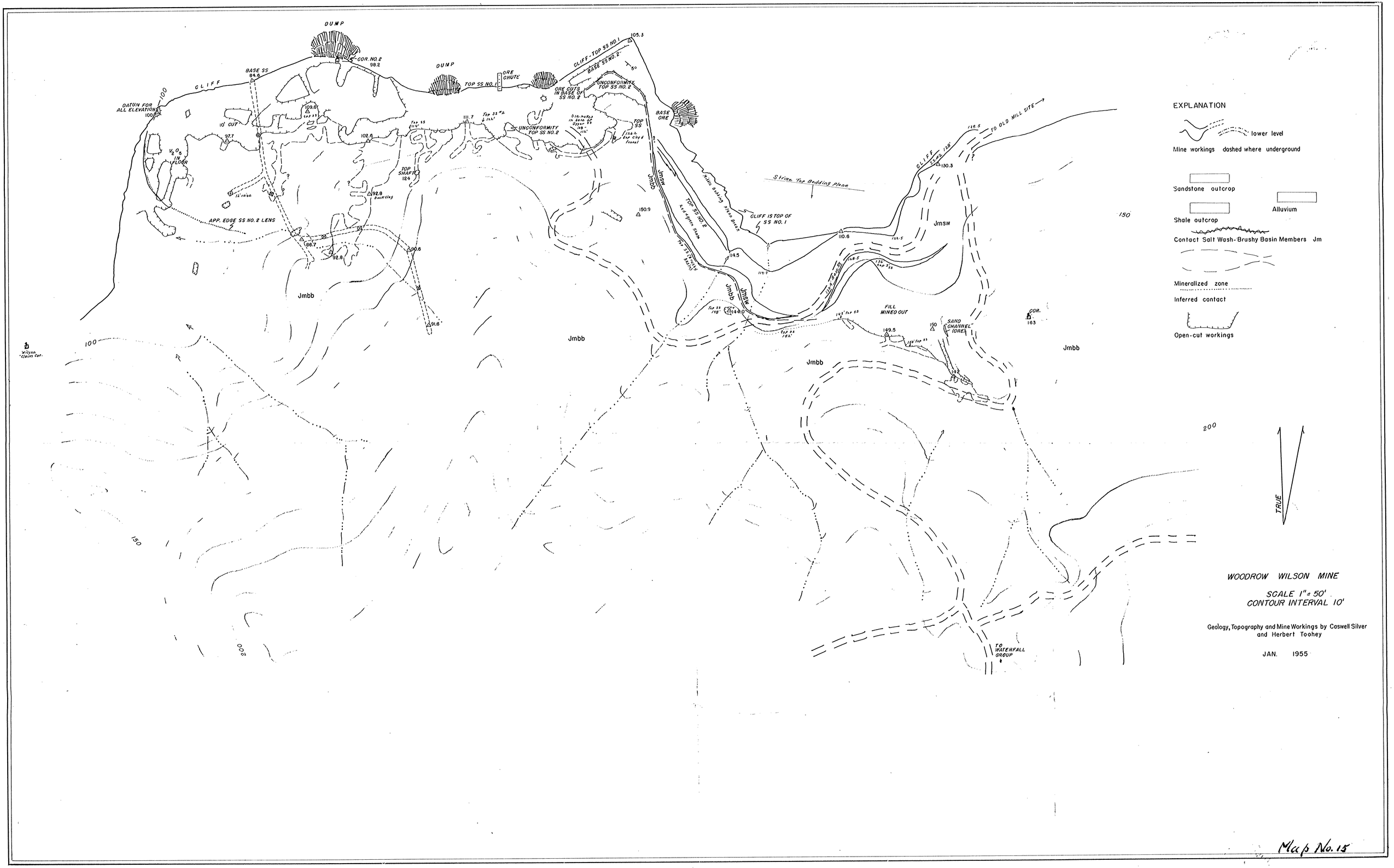


ASSAY REPORT

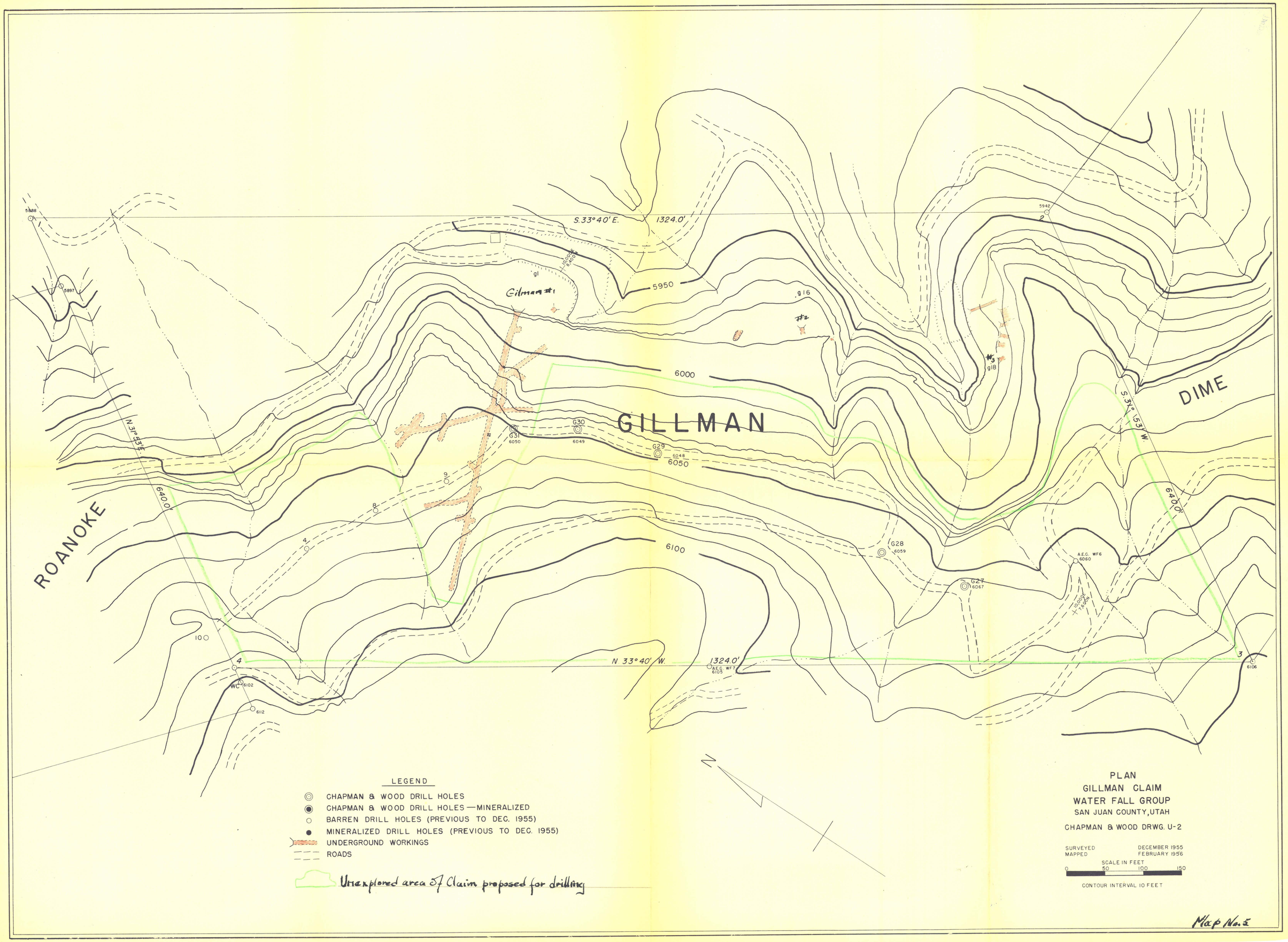
D.D. HOLE	ELEV. COLLAR	SAMPLE INTERVAL FROM	SAMPLE INTERVAL TO	DIST.	V_2O_5	U_3O_8	$CaCO_3$
46	±985'	BLANK					
47	±1015'	BLANK					

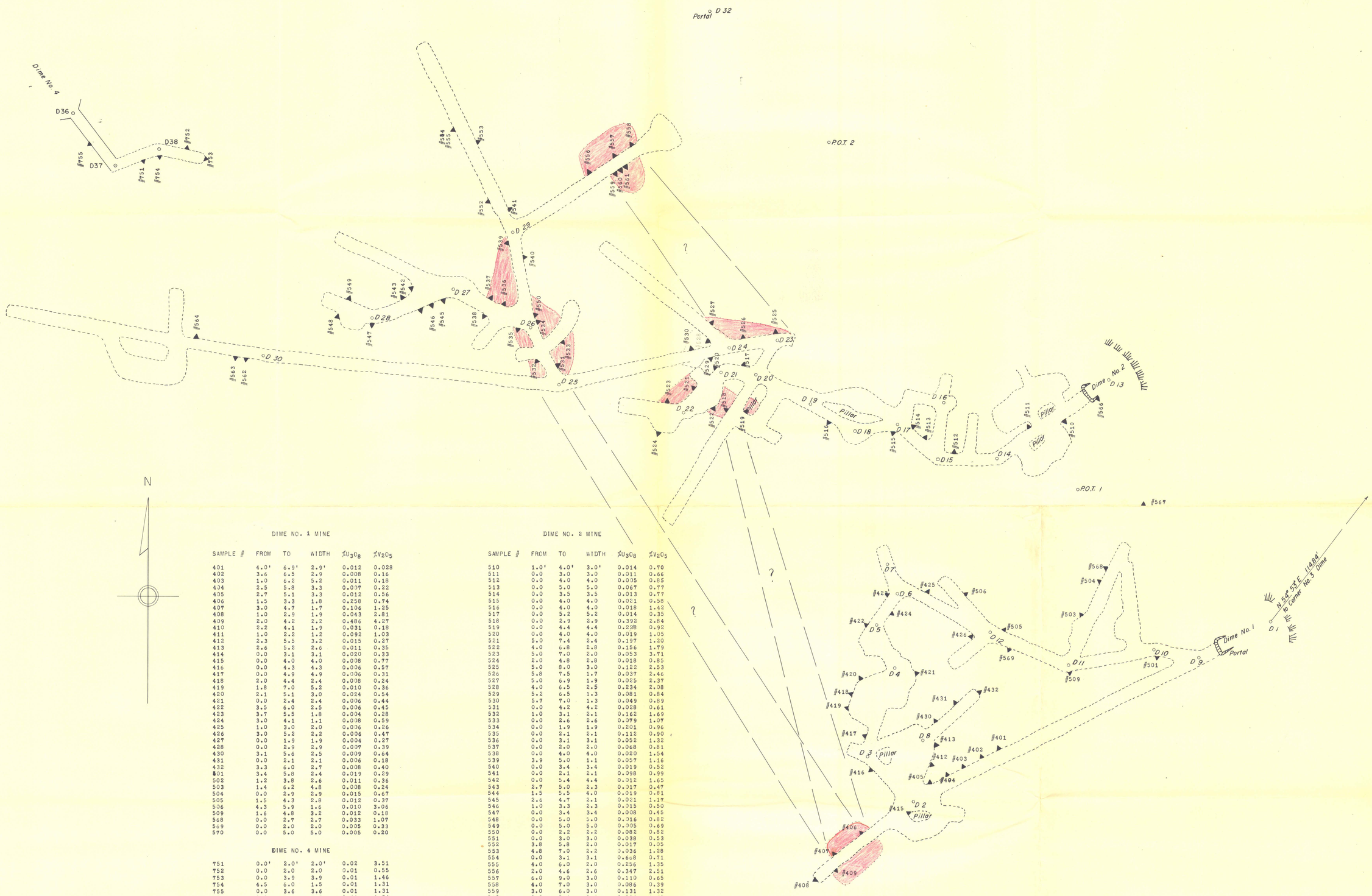
HAPPY JACK MINE
SAN JUAN COUNTY, UTAH

Map No. 18


DUMP
COR. NO. 2
98.2
BASE SS
84.5
CLIFF
DATUM FOR ALL ELEVATION
100
10' CUT
97.7
V_2O_5 IN FLOOR
APP. EDGE SS NO. 2 LENS
86.7
92.8
90.6
91.6
TOP SHAFT
124
102.6
109.6
DUMP
TOP SS NO. 1
ORE CHUTE
ORE CUTS IN BASE OF SS NO. 2
UNCONFORMITY TOP SS NO. 2
111.7
UNCONFORMITY TOP SS NO. 2
TOP SS
CLIFF - TOP SS NO. 1
BASE SS NO. 2
105.3
60
BASE ORE
Jmbb
Jmsw
150.9
114.5
119.7
144.0
Strike Top Bedding plane
GLIFF IS TOP OF SS NO. 1
110.6
122.5
FILL MINED OUT
149.5
150
SAND CHANNEL" ORE
142
CLIFF
150.3
TO OLD MILL SITE
129.5
COR.
163
Jmbb
Jmbb
Jmbb
Jmbb
Jmsw
100
150
200
150
200
TO WATERFALL GROUP
TRUE
EXPLANATION
lower level
Mine workings dashed where underground
Sandstone outcrop
Alluvium
Shale outcrop
Contact Salt Wash-Brushy Basin Members Jm
Mineralized zone
Inferred contact
Open-cut workings
WOODROW WILSON MINE
SCALE 1" = 50'
CONTOUR INTERVAL 10'
Geology, Topography and Mine Workings by Caswell Silver and Herbert Toohey
JAN. 1955

Map No. 15


S. 33° 40' E.
1324.0'
5950
6000
6050
6100
6400
GILLMAN
ROANOKE
DIME
Gilman #1
#2
#3
N. 31° 53' E.
S. 31° 53' W.
N. 33° 40' W.
1324.0'
G31
6050
G30
6049
G29
6048
G28
6059
G27
6067
A.E.C. WF6
6060
A.E.C. WF7
6105
WC
6102
6112
6106
5888
5897
5948
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES — MINERALIZED
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
UNDERGROUND WORKINGS
ROADS
Unexplored area of Claim proposed for drilling
PLAN
GILLMAN CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-2
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET
Map No. 5



DIME NO. 1 MINE

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%V_2O_5
401	4.0'	6.9'	2.9'	0.012	0.028
402	3.6	6.5	2.9	0.008	0.16
403	1.0	6.2	5.2	0.011	0.18
404	2.5	5.8	3.3	0.007	0.22
405	2.7	5.1	3.3	0.012	0.56
406	1.5	3.3	1.8	0.258	0.74
407	3.0	4.7	1.7	0.106	1.25
408	1.0	2.9	1.9	0.043	2.81
409	2.0	4.2	2.2	0.486	4.27
410	2.2	4.1	1.9	0.031	0.18
411	1.0	2.2	1.2	0.092	1.03
412	2.3	5.5	3.2	0.015	0.27
413	2.6	5.2	2.6	0.011	0.35
414	0.0	3.1	3.1	0.020	0.33
415	0.0	4.0	4.0	0.008	0.77
416	0.0	4.3	4.3	0.006	0.57
417	0.0	4.9	4.9	0.006	0.31
418	2.0	4.4	2.4	0.008	0.24
419	1.8	7.0	5.2	0.010	0.36
420	2.1	5.1	3.0	0.024	0.54
421	0.0	2.4	2.4	0.006	0.44
422	3.5	6.0	2.5	0.006	0.45
423	3.7	5.5	1.8	0.004	0.28
424	3.0	4.1	1.1	0.008	0.59
425	1.0	3.0	2.0	0.006	0.26
426	3.0	5.2	2.2	0.006	0.47
427	0.0	1.9	1.9	0.004	0.27
428	0.0	2.9	2.9	0.007	0.39
430	3.1	5.6	2.5	0.009	0.64
431	0.0	2.1	2.1	0.006	0.18
432	3.3	6.0	2.7	0.008	0.40
501	3.4	5.8	2.4	0.019	0.29
502	1.2	3.8	2.6	0.011	0.36
503	1.4	6.2	4.8	0.008	0.24
504	0.0	2.9	2.9	0.015	0.67
505	1.5	4.3	2.8	0.012	0.37
506	4.3	5.9	1.6	0.010	3.06
509	1.6	4.8	3.2	0.012	0.18
568	0.0	2.7	2.7	0.033	1.07
569	0.0	2.0	2.0	0.005	0.33
570	0.0	5.0	5.0	0.005	0.20

DIME NO. 4 MINE

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%V_2O_5
751	0.0'	2.0'	2.0'	0.02	3.51
752	0.0	2.0	2.0	0.01	0.55
753	0.0	3.9	3.9	0.01	1.46
754	4.5	6.0	1.5	0.01	1.31
755	0.0	3.6	3.6	0.01	1.31
756	0.0	1.6	1.6	0.41	1.24
757	2.3	3.3	1.0	0.30	1.20
758	0.0	1.2	1.2	0.00	0.89

DIME NO. 2 MINE

SAMPLE #	FROM	TO	WIDTH	%U_3O_8	%V_2O_5
510	1.0'	4.0'	3.0'	0.014	0.70
511	0.0	3.0	3.0	0.011	0.66
512	0.0	4.0	4.0	0.005	0.85
513	0.0	5.0	5.0	0.067	0.77
514	0.0	3.5	3.5	0.013	0.77
515	0.0	4.0	4.0	0.021	0.58
516	0.0	4.0	4.0	0.018	1.42
517	0.0	5.2	5.2	0.014	0.35
518	0.0	2.9	2.9	0.392	2.84
519	0.0	4.4	4.4	0.228	0.92
520	0.0	4.0	4.0	0.019	1.05
521	5.0	7.4	2.4	0.197	1.20
522	4.0	6.8	2.8	0.156	1.79
523	5.0	7.0	2.0	0.053	3.71
524	2.0	4.8	2.8	0.018	0.85
525	5.0	8.0	3.0	0.122	2.53
526	5.8	7.5	1.7	0.037	2.46
527	5.0	6.9	1.9	0.025	2.37
528	4.0	6.5	2.5	0.234	2.08
529	5.2	6.5	1.3	0.081	0.84
530	5.7	7.0	1.3	0.049	0.89
531	0.0	4.2	4.2	0.028	0.61
532	1.0	3.1	2.1	0.162	1.69
533	0.0	2.6	2.6	0.079	1.07
534	0.0	1.9	1.9	0.201	0.96
535	0.0	2.1	2.1	0.112	0.90
536	0.0	3.1	3.1	0.052	1.32
537	0.0	2.0	2.0	0.068	0.81
538	0.0	4.0	4.0	0.020	1.54
539	3.9	5.0	1.1	0.057	1.16
540	0.0	3.4	3.4	0.019	0.52
541	0.0	2.1	2.1	0.098	0.99
542	0.0	5.4	4.4	0.012	1.65
543	2.7	5.0	2.3	0.017	0.47
544	1.5	5.5	4.0	0.019	0.81
545	2.6	4.7	2.1	0.021	1.17
546	1.0	3.3	2.3	0.015	0.50
547	0.0	3.4	3.4	0.008	0.45
548	0.0	5.0	5.0	0.016	0.82
549	0.0	5.0	5.0	0.005	0.69
550	0.0	2.2	2.2	0.082	0.82
551	0.0	3.0	3.0	0.038	0.53
552	3.8	5.8	2.0	0.017	0.05
553	4.8	7.0	2.2	0.036	1.28
554	0.0	3.1	3.1	0.668	0.71
555	4.0	6.0	2.0	0.256	1.35
556	2.0	4.6	2.6	0.347	2.51
557	6.0	9.0	3.0	0.110	0.65
558	4.0	7.0	3.0	0.086	0.39
559	3.0	6.0	3.0	0.131	1.32
560	3.0	5.6	2.6	0.024	1.18
561	1.0	3.0	2.0	0.022	0.96
562	0.0	3.6	3.6	0.018	0.73
563	1.0	3.3	2.3	0.017	0.28
564	3.0	5.0	2.0	0.091	0.90
565	2.0	5.0	3.0	0.009	0.66
567	0.0	2.8	2.8	0.006	0.75

MAP OF THE DIME MINE
UNDERGROUND WORKINGS

WATERFALL GROUP — SAN JUAN COUNTY, UTAH

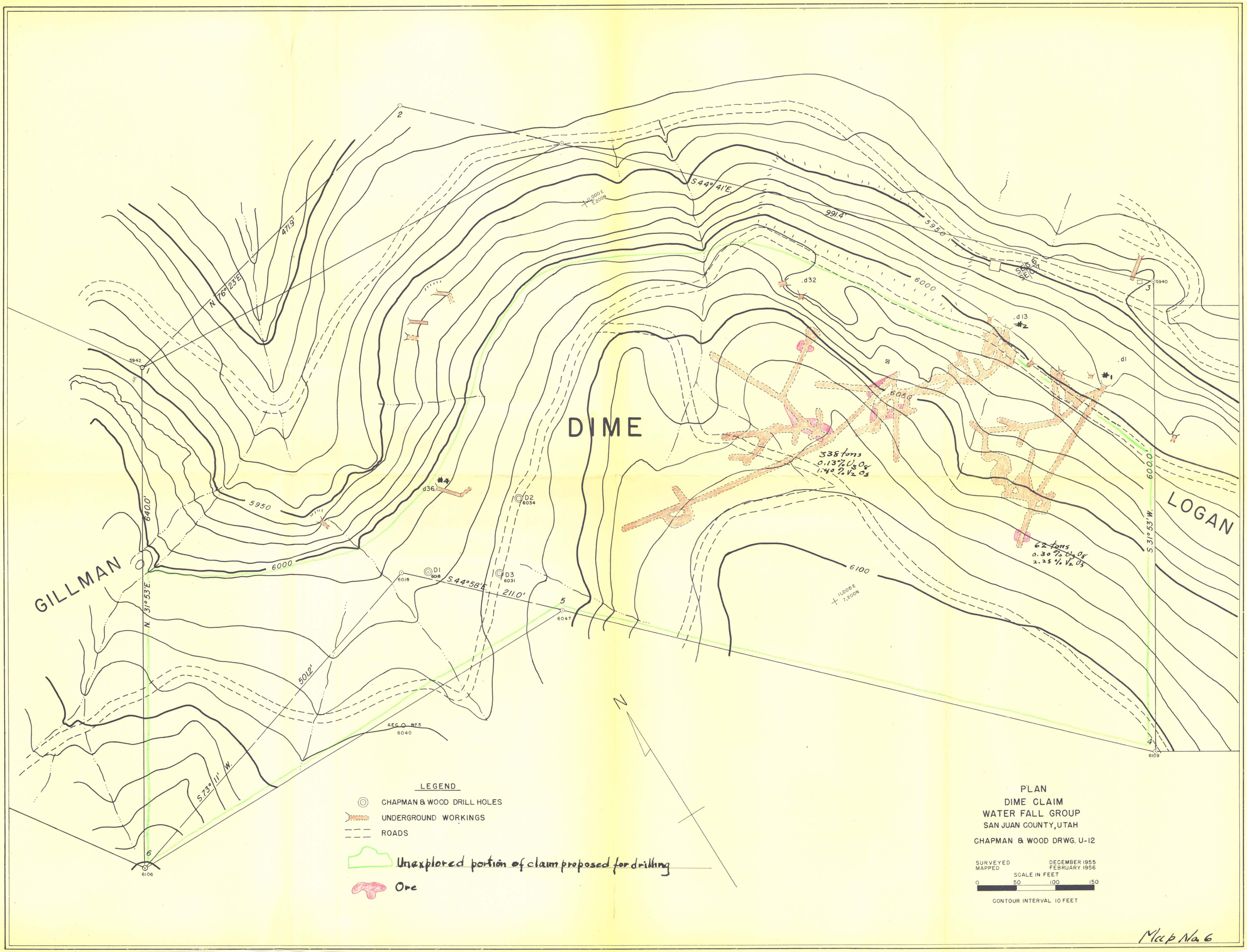
CHAPMAN & WOOD DRWG. NO. U-24

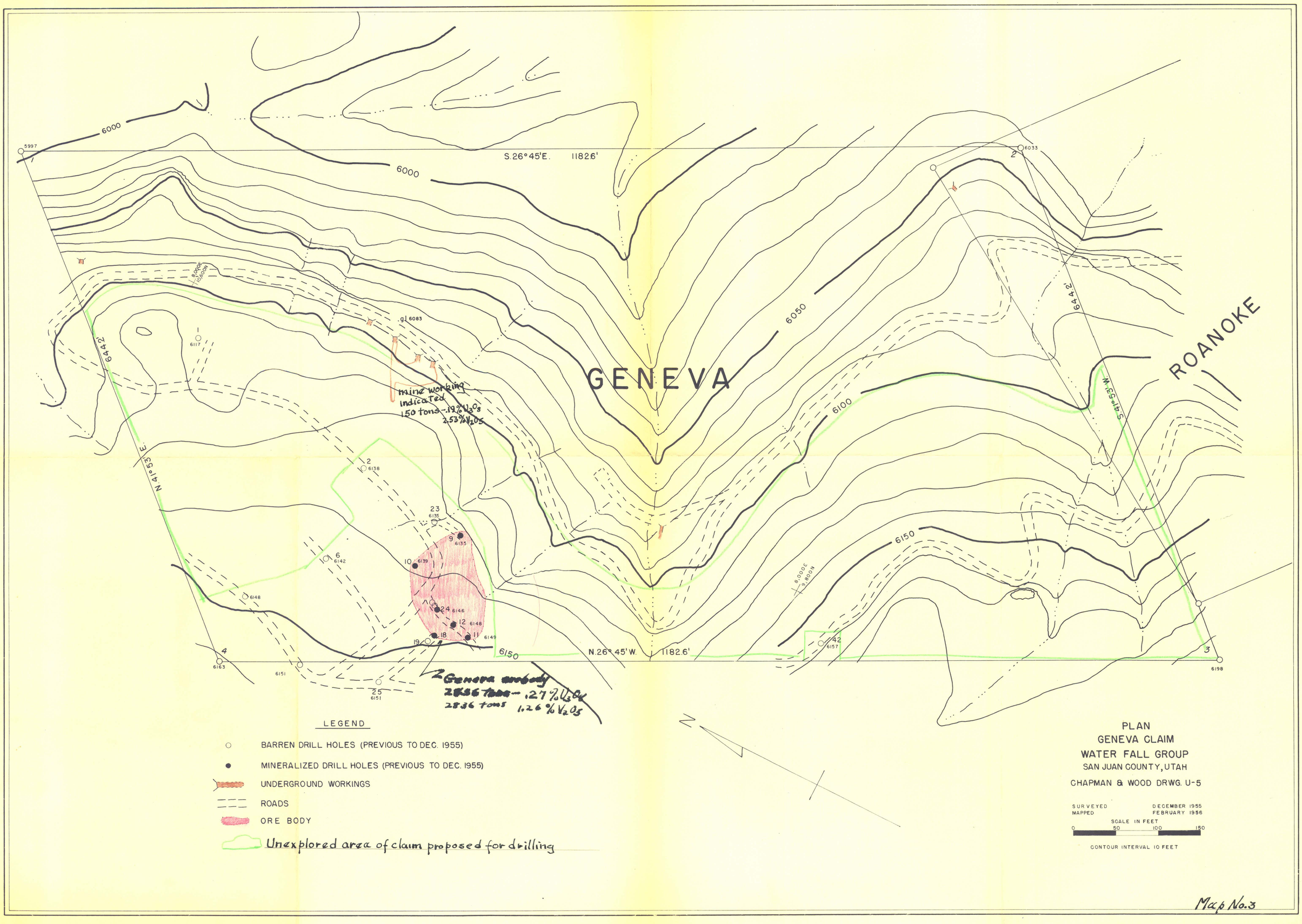
JANUARY, 1956

SCALE 1" = 20'

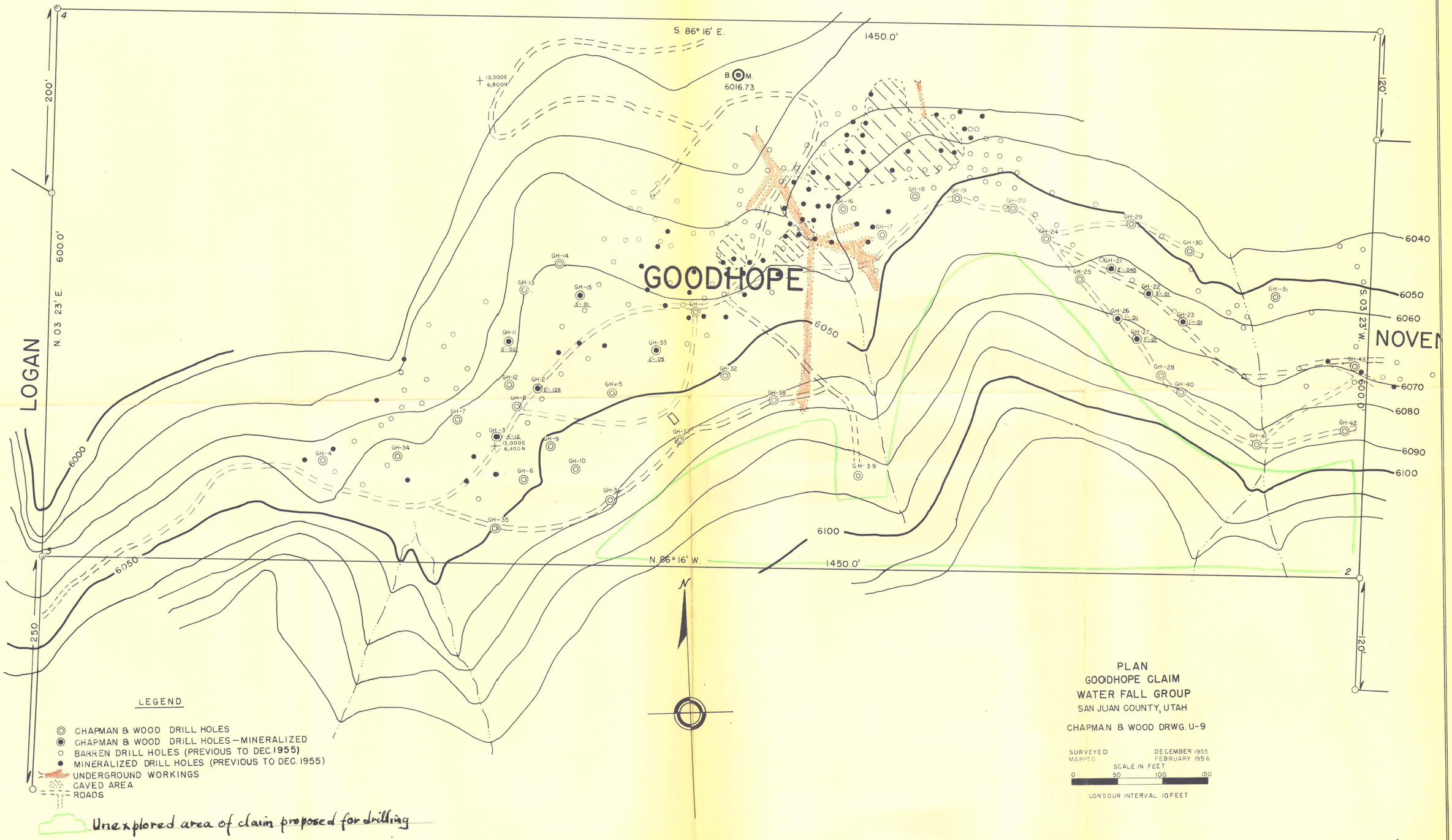
Atomic Res. Corp.
523-3rd St. N.W.
ABQ-N.M.

Map No. 6 A


DIME
GILLMAN
LOGAN
S 44° 41' E
991.4'
471.9'
N 76° 23' E
640.0'
N. 31° 53' E
S. 31° 53' W.
600.0'
S 44° 58' E
211.0'
501.2'
S 73° 11' W.
5950
6000
6050
6100
5955
5942
5940
6018
6031
6034
6047
6040
6109
6106
D1
D2
D3
d32
d13
d1
d36
#1
#2
#4
338 tons
0.13% U_3O_8
1.40% V_2O_5
62 tons
0.30% U_3O_8
2.25% V_2O_5
11,000 E
7,200 N
LEGEND
CHAPMAN & WOOD DRILL HOLES
UNDERGROUND WORKINGS
ROADS
Unexplored portion of claim proposed for drilling
Ore
PLAN
DIME CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-12
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET
Map No. 6


GENEVA
ROANOKE
S.26°45'E. 1182.6'
N.26°45'W. 1182.6'
N 41°53' E
S 41°53' W
944.2'
944.2'
6000
6050
6100
6150
5997
6033
6163
6198
gl 6083
mine working
indicated
150 tons -.19% U_3O_8
2.53% V_2O_5
Genera ore body
2836 tons -.27% U_3O_8
2836 tons 1.26% V_2O_5
LEGEND
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
UNDERGROUND WORKINGS
ROADS
ORE BODY
Unexplored area of claim proposed for drilling
PLAN
GENEVA CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-5
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET

Map No. 3



LEGEND

- CHAPMAN & WOOD DRILL HOLES
- CHAPMAN & WOOD DRILL HOLES—MINERALIZED
- BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
- MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
- UNDERGROUND WORKINGS
- CAVED AREA
- ROADS

Unexplored area of claim proposed for drilling

PLAN
GOODHOPE CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH

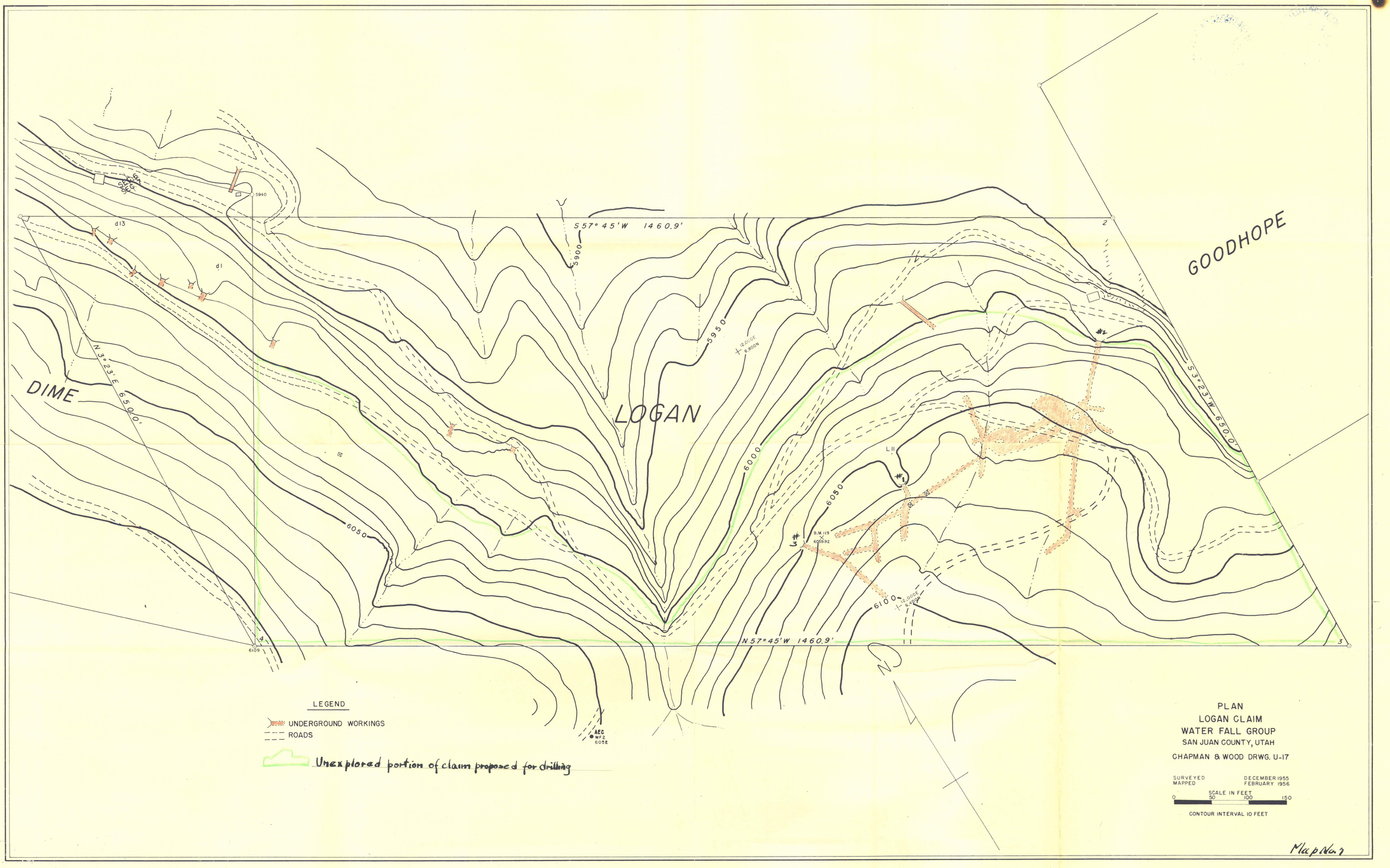
CHAPMAN & WOOD DRWG. U-9

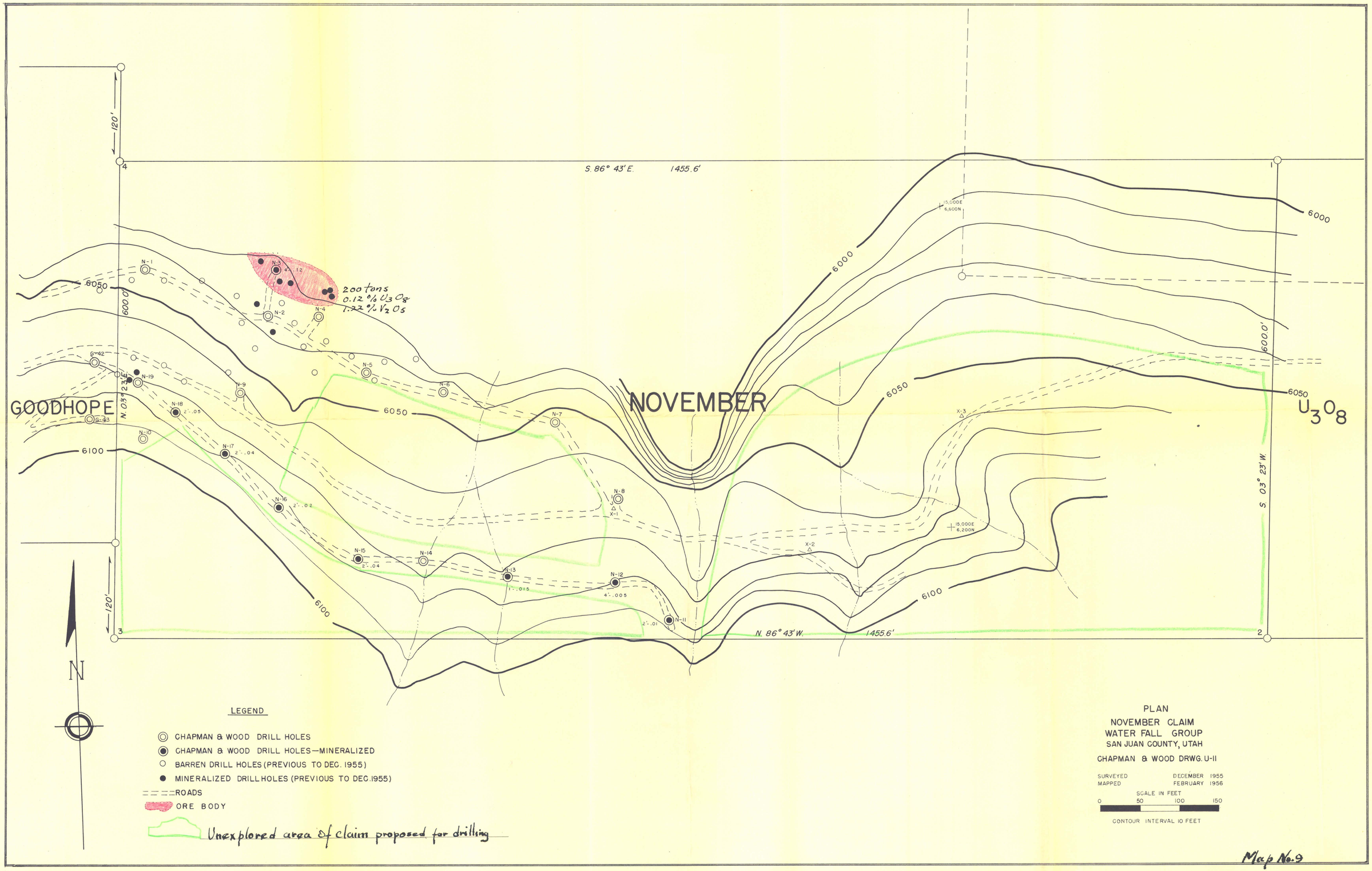
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956

SCALE IN FEET
0 50 100 150

CONTOUR INTERVAL 10 FEET

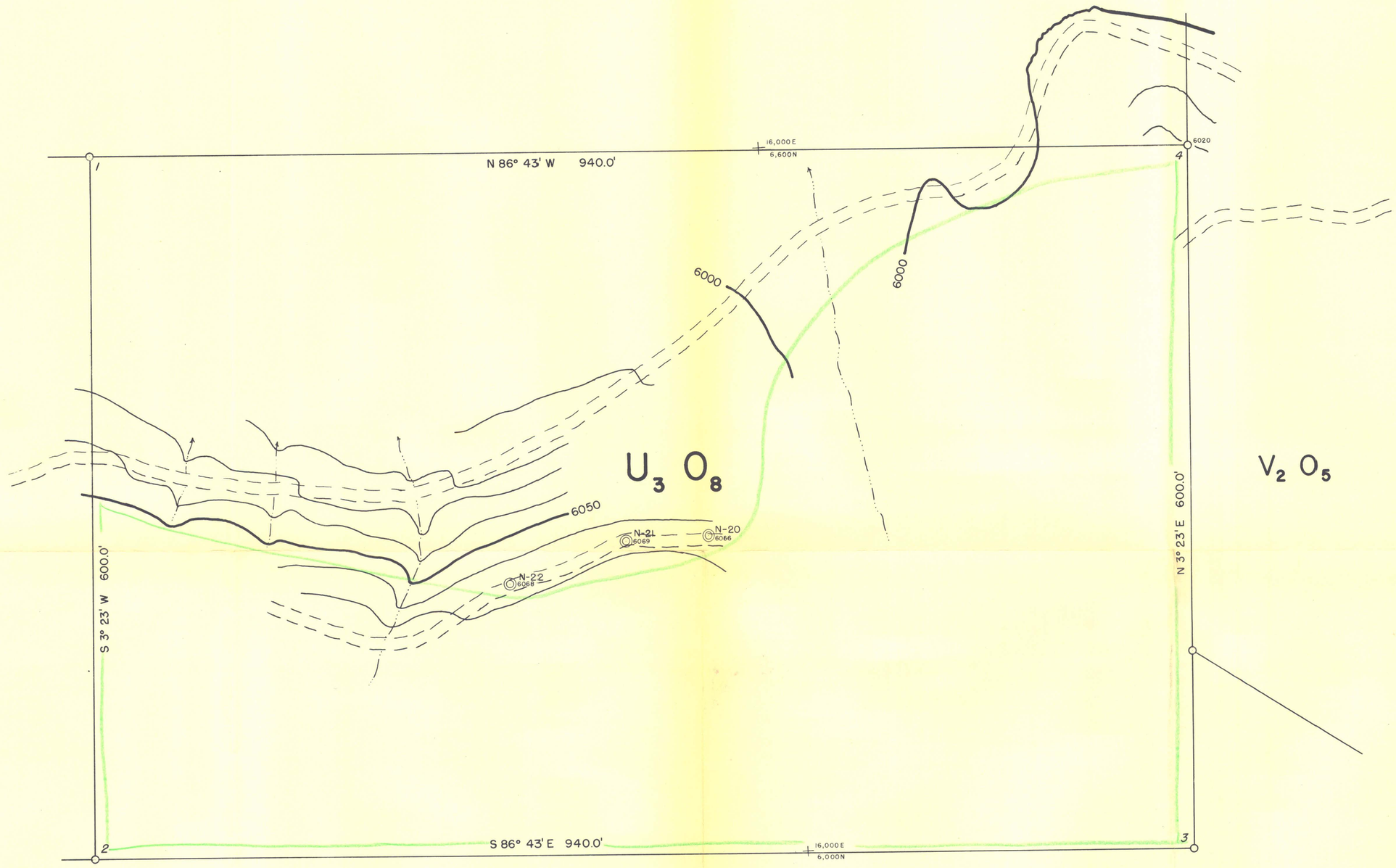
Map No. 8


GOODHOPE
DIME
LOGAN
S57°45'W 1460.9'
N57°45'W 1460.9'
N 3°23'E 650.0'
S 33°23'W 650.0'
5900
5950
6000
6050
6100
5940
6109
d13
d1
L11
B.M. 119
6059.92
12 GOOSE
6.800N
12 GOOSE
6.400N
REC
WF2
6052
LEGEND
UNDERGROUND WORKINGS
ROADS
Unexplored portion of claim proposed for drilling
PLAN
LOGAN CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-17
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET
Map No. 7


S. 86° 43' E. 1455.6'
N. 86° 43' W. 1455.6'
S. 03° 23' W.
N. 03° 23' E.
600.0'
120'
GOODHOPE
NOVEMBER
U_3O_8
200 tons
0.12 % U_3O_8
1.72 % V_2O_5
6000
6050
6100
15,000E
6,600N
15,000E
6,200N
N-1
N-2
N-3
N-4
N-5
N-6
N-7
N-8
N-9
N-10
N-11
N-12
N-13
N-14
N-15
N-16
N-17
N-18
N-19
G-42
G-43
X-1
X-2
X-3
N
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES—MINERALIZED
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
ROADS
ORE BODY
Unexplored area of claim proposed for drilling
PLAN
NOVEMBER CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-11
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET

Map No. 9

NOVEMBER



N

LEGEND

◎ CHAPMAN & WOOD DRILL HOLES

◎ CHAPMAN & WOOD DRILL HOLES – MINERALIZED

ROADS

Unexplored area of claim proposed for drilling

PLAN
U_3O_8 CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH

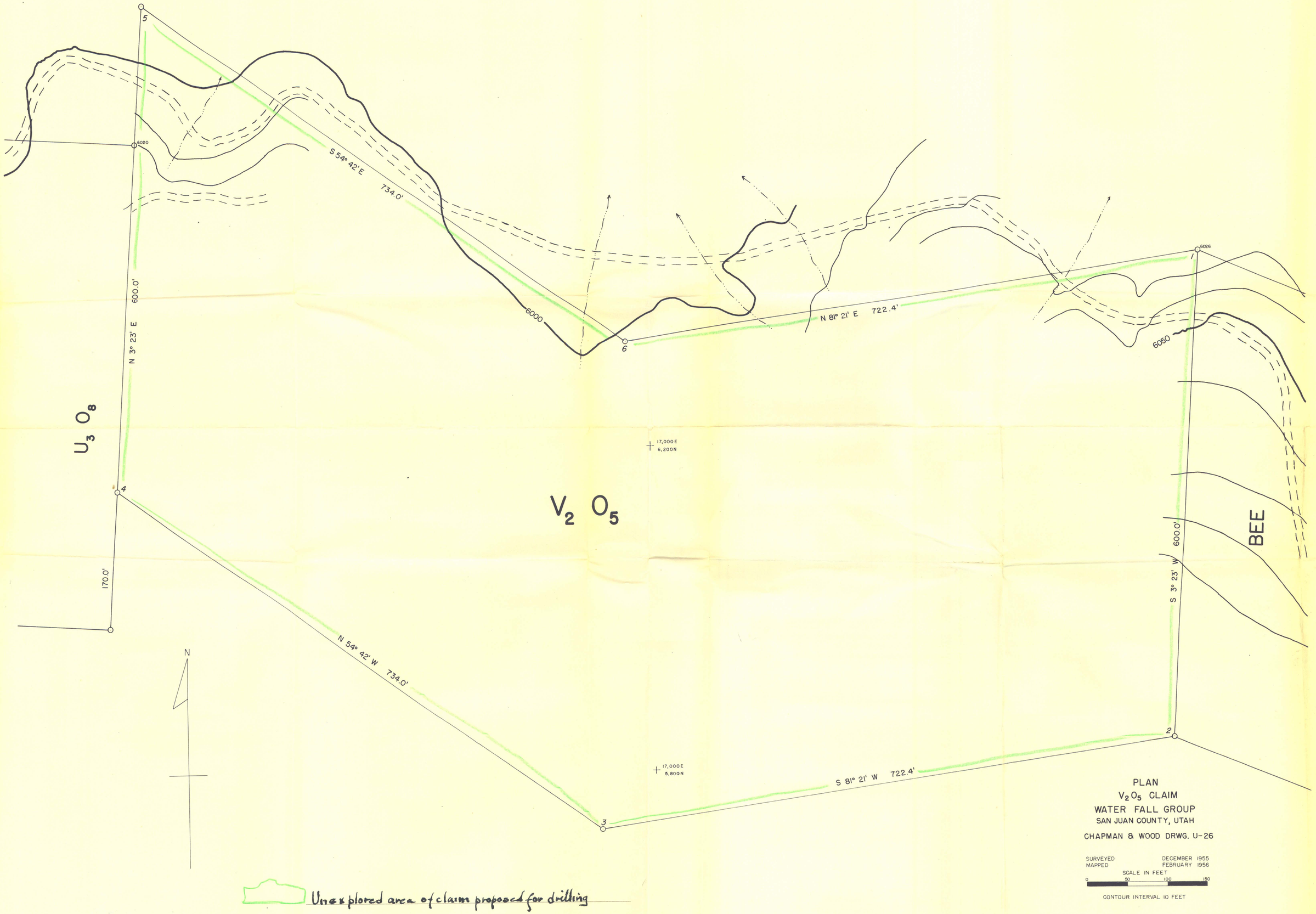
CHAPMAN & WOOD DRWG. U-25

SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956

SCALE IN FEET
0 50 100 150

CONTOUR INTERVAL 10 FEET

Map No. 10



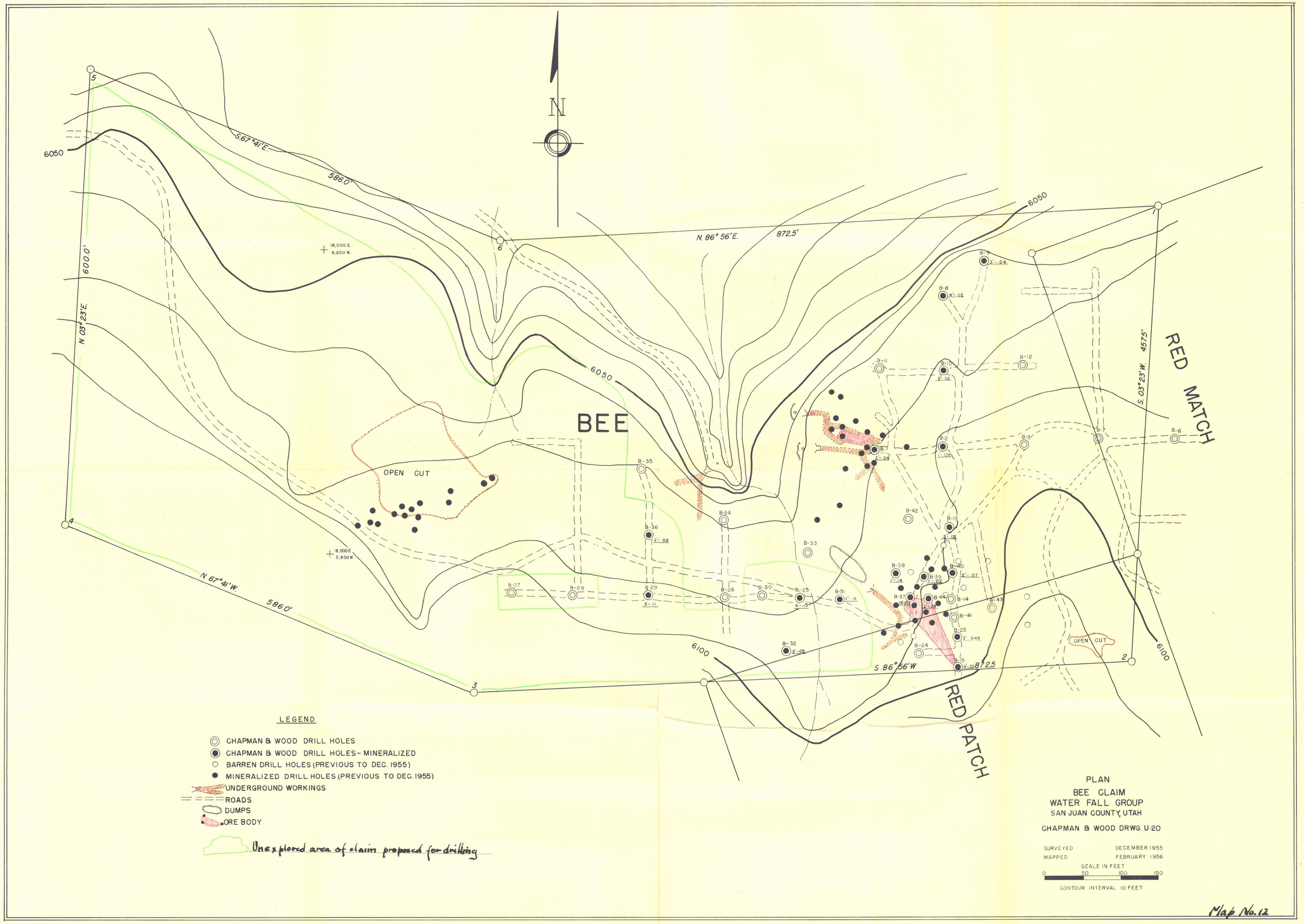
PLAN
$V_2 O_5$ CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-26

SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956

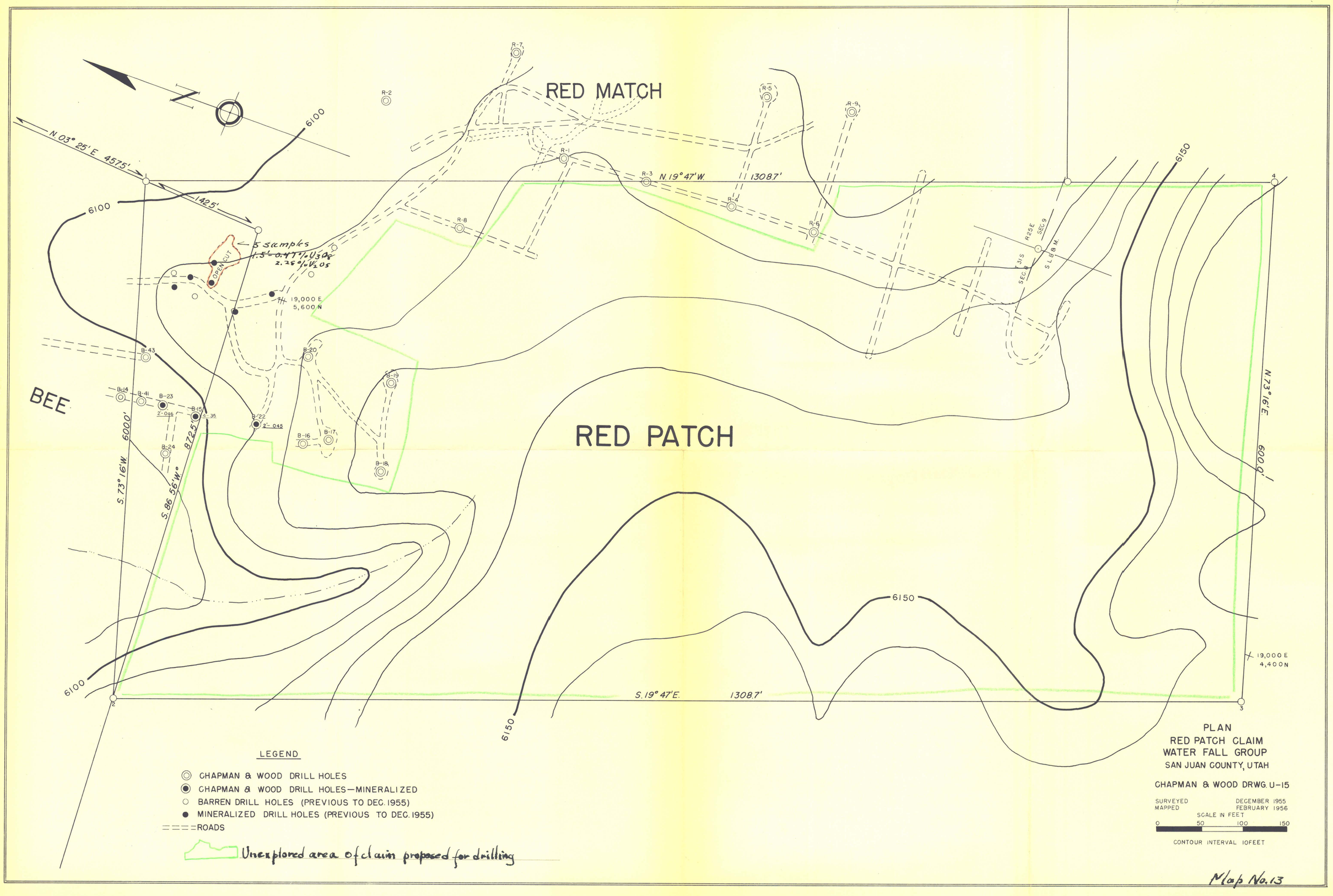
SCALE IN FEET
0 50 100 150

CONTOUR INTERVAL 10 FEET

Map No. 11


N
BEE
RED MATCH
RED PATCH
OPEN CUT
OPEN CUT
S.67°41'E.
586.0'
N. 86° 56'E.
872.5'
N 03°23'E.
600.0'
S. 03°23'W.
457.5'
N 67°41'W.
586.0'
S. 86°56'W
872.5
6050
6100
18,000 E.
6,200 N.
18,000 E.
5,800 N.
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES - MINERALIZED
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
UNDERGROUND WORKINGS
ROADS
DUMPS
ORE BODY
Unexplored area of claim proposed for drilling
PLAN
BEE CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-20
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET

Map No. 12



LEGEND

- CHAPMAN & WOOD DRILL HOLES
- CHAPMAN & WOOD DRILL HOLES—MINERALIZED
- BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
- MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
- ROADS
- Unexplored area of claim proposed for drilling

PLAN
RED PATCH CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH

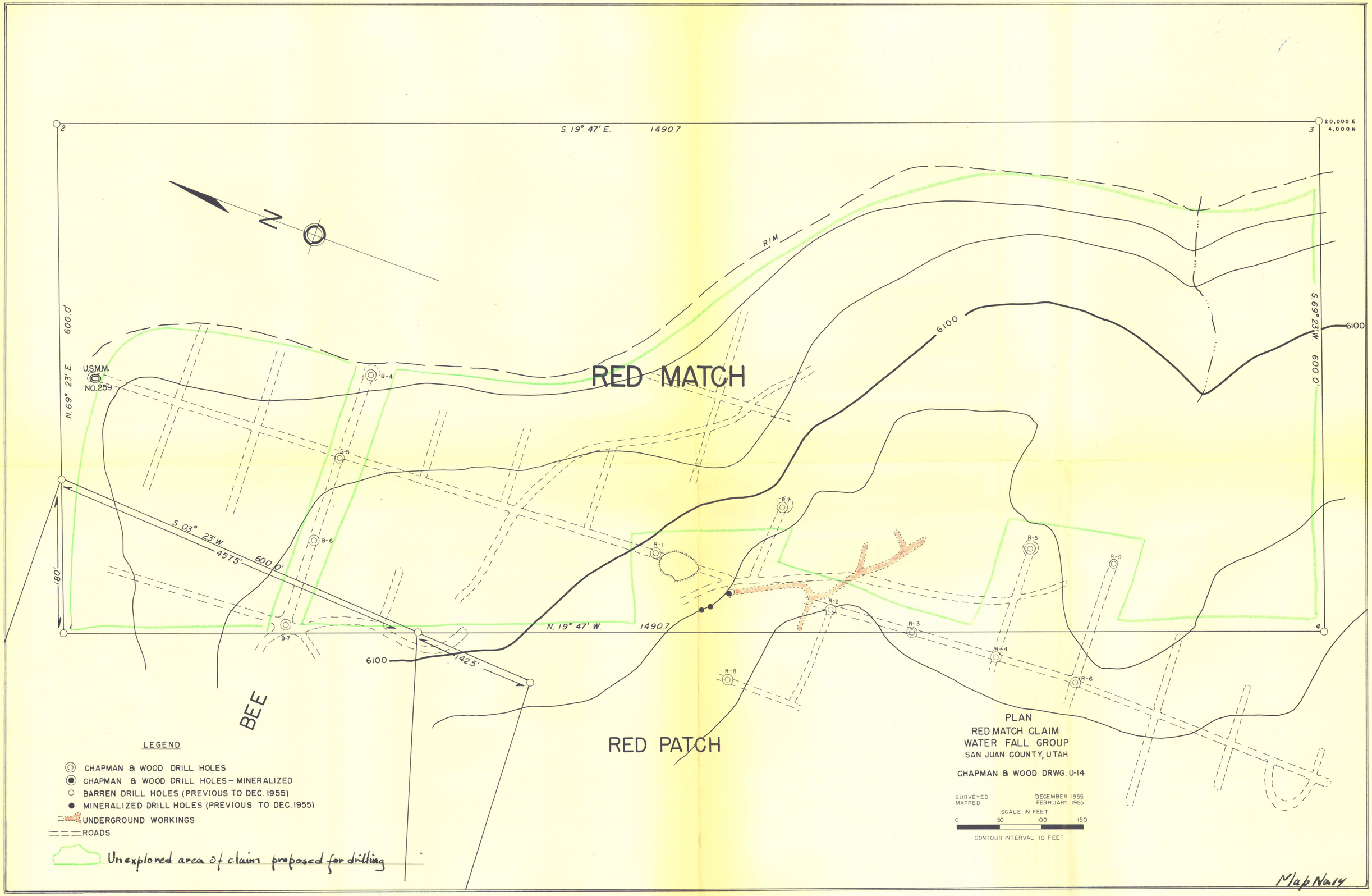
CHAPMAN & WOOD DRWG. U-15

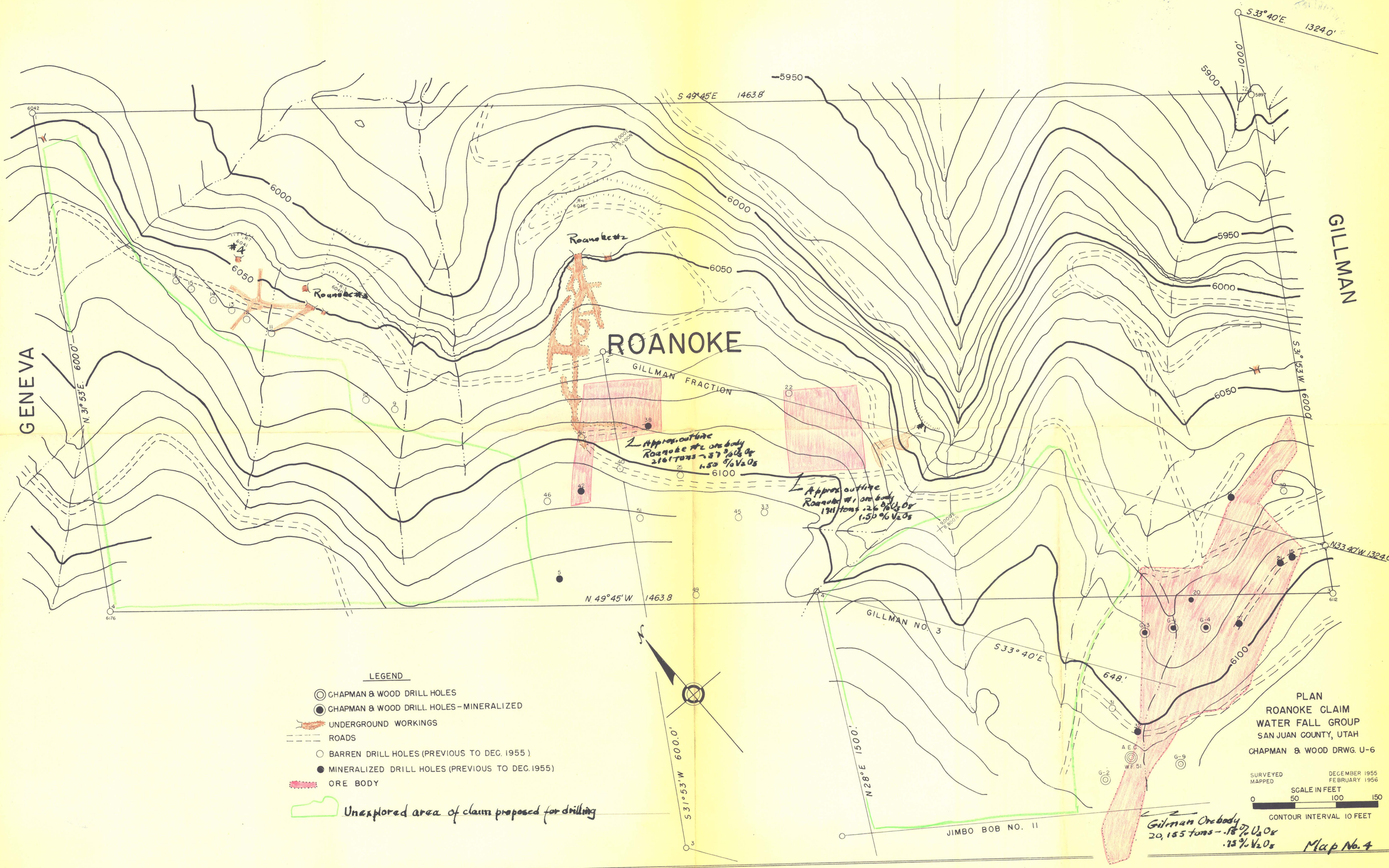
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956

SCALE IN FEET
0 50 100 150

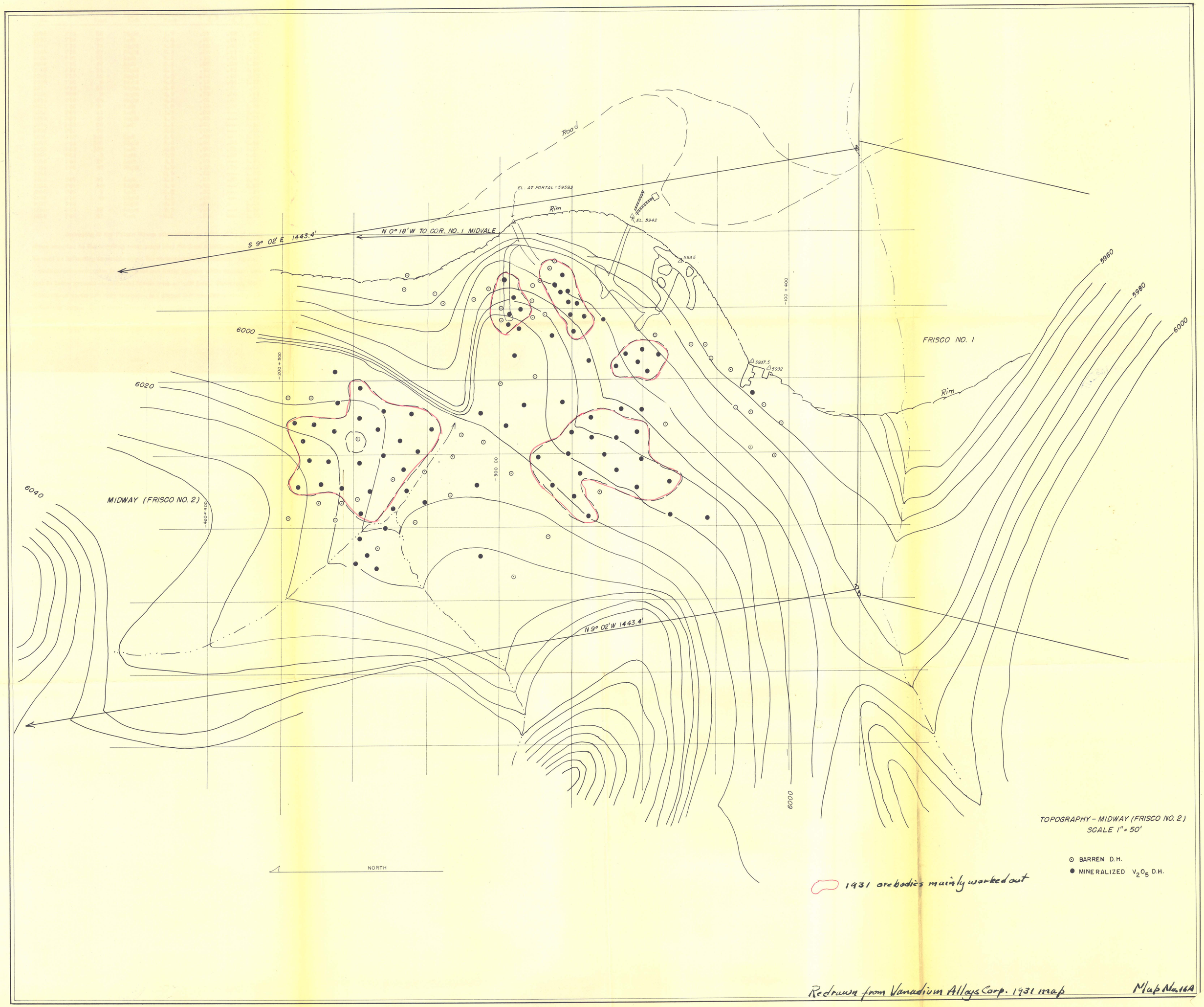
CONTOUR INTERVAL 10 FEET

Map No. 13


2
S. 19° 47' E. 1490.7
3
20,000 E
4,000 N
N
RIM
6100
S 69° 23' W. 600.0'
6100
N. 69° 23' E. 600.0'
U.S.M.M.
NO. 259
B-4
RED MATCH
B-5
B-6
B-7
S 03° 23' W.
457.5'
600.0'
180'
R-1
R-7
R-5
R-9
R-2
R-3
R-4
R-6
R-8
N. 19° 47' W. 1490.7
4
6100
142.5'
BEE
RED PATCH
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES – MINERALIZED
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
UNDERGROUND WORKINGS
ROADS
Unexplored area of claim proposed for drilling
PLAN
RED MATCH CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-14
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1955
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET
Map No. 14


GENEVA
GILLMAN
ROANOKE
GILLMAN FRACTION
S 49°45'E 1463.8'
N 49°45'W 1463.8
S 33°40'E 1324.0'
N 33°40'W 1324.0'
S 31°53'W 600.0'
N 31°53'E 600.0'
N 28°E 1500'
S 33°40'E 648'
GILLMAN NO. 3
JIMBO BOB NO. 11
Roanoke #2
Roanoke #3
#4
#1
Approx. outline Roanoke #2 ore body 2161 tons - .37 % U3O8 1.50 % V2O5
Approx. outline Roanoke #1 ore body 1311 tons .26 % U3O8 1.56 % V2O5
Gilman Ore body 20,155 tons - .18 % U3O8 .13 % V2O5
5900
5950
6000
6050
6100
6042
6176
6612
5897
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES - MINERALIZED
UNDERGROUND WORKINGS
ROADS
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
ORE BODY
Unexplored area of claim proposed for drilling
PLAN
ROANOKE CLAIM
WATER FALL GROUP
SAN JUAN COUNTY, UTAH
CHAPMAN & WOOD DRWG. U-6
SURVEYED DECEMBER 1955
MAPPED FEBRUARY 1956
SCALE IN FEET
0 50 100 150
CONTOUR INTERVAL 10 FEET
Map No. 4

ROANOKE
GILLMAN FRACTION
GILLMAN NO 3
GILLMAN NO 2
DIME
DOCKYARD
NOVEMBER
BEE
RED PATCH
LEGEND
CHAPMAN & WOOD DRILL HOLES
CHAPMAN & WOOD DRILL HOLES - MINERALIZED
BARREN DRILL HOLES (PREVIOUS TO DEC. 1955)
MINERALIZED DRILL HOLES (PREVIOUS TO DEC. 1955)
UNDERGROUND WORKINGS
ROADS
APPROXIMATE ORE AREA
Unexplored areas of claims proposed for drilling
PLAN
WATER FALL GROUP
T.31S.,R.24&25E.,SAN JUAN COUNTY,UTAH
CHAPMAN & WOOD DRWG. U-3
SURVEYED & MAPPED DEC.1955-FEB.1956
SCALE IN FEET
0 200 400 600
CONTOUR INTERVAL 10 FEET
Atomic Res. Corp.
523 - N. 2nd St.
Alb. - N. M.
Map No. 2

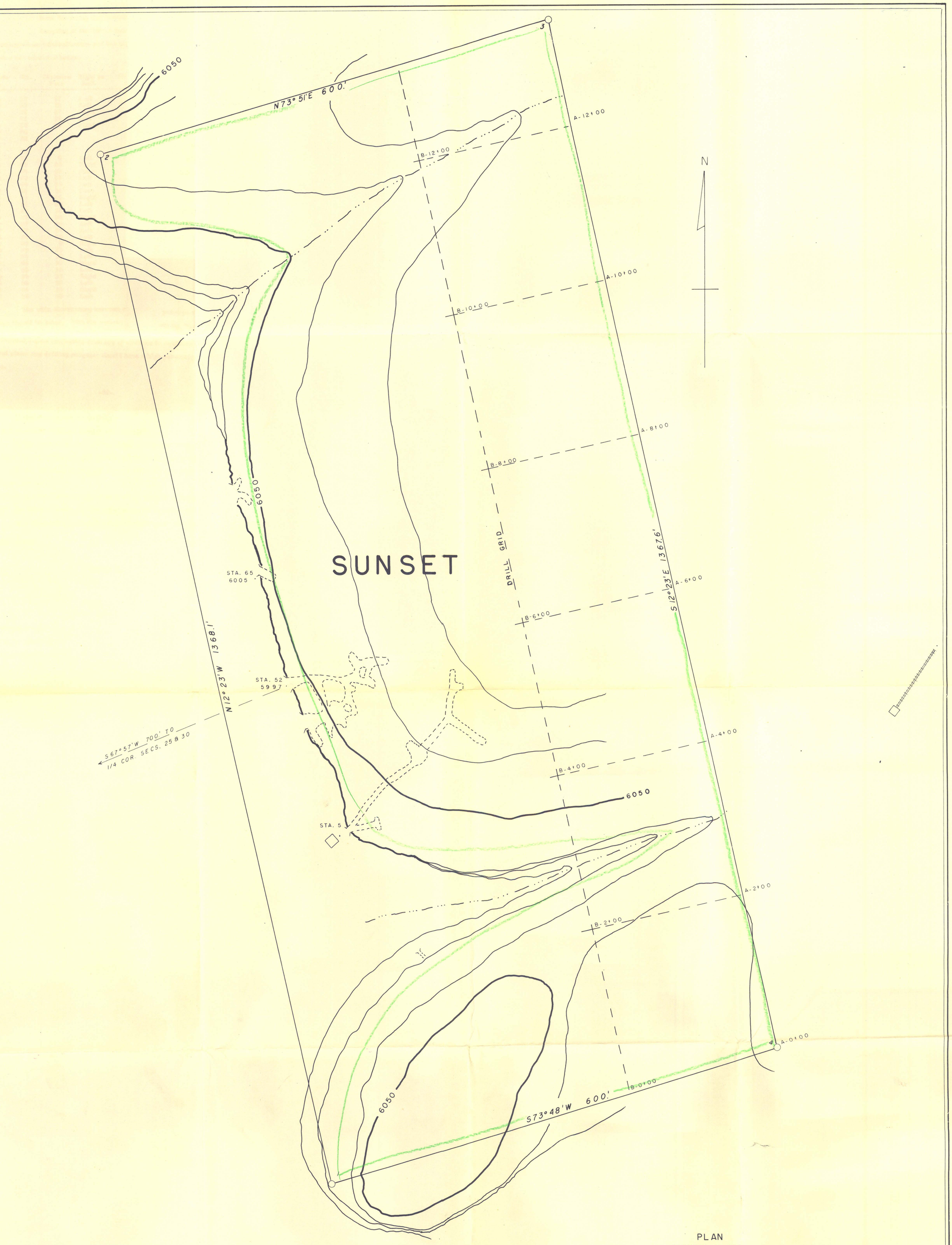


Redrawn from Vanadium Alloys Corp. 1931 map

Map No. 16A

Redrawn from Vanadium Alloys Corp. 1931 map

Map No. 16



PLAN
SUNSET CLAIM
SEC. 30, T.31S., R25E.
SAN JUAN COUNTY, UTAH

COMPILED FROM VANADIUM ALLOYS CORP. MAP DV5
CHAPMAN & WOOD DRWG. U-27

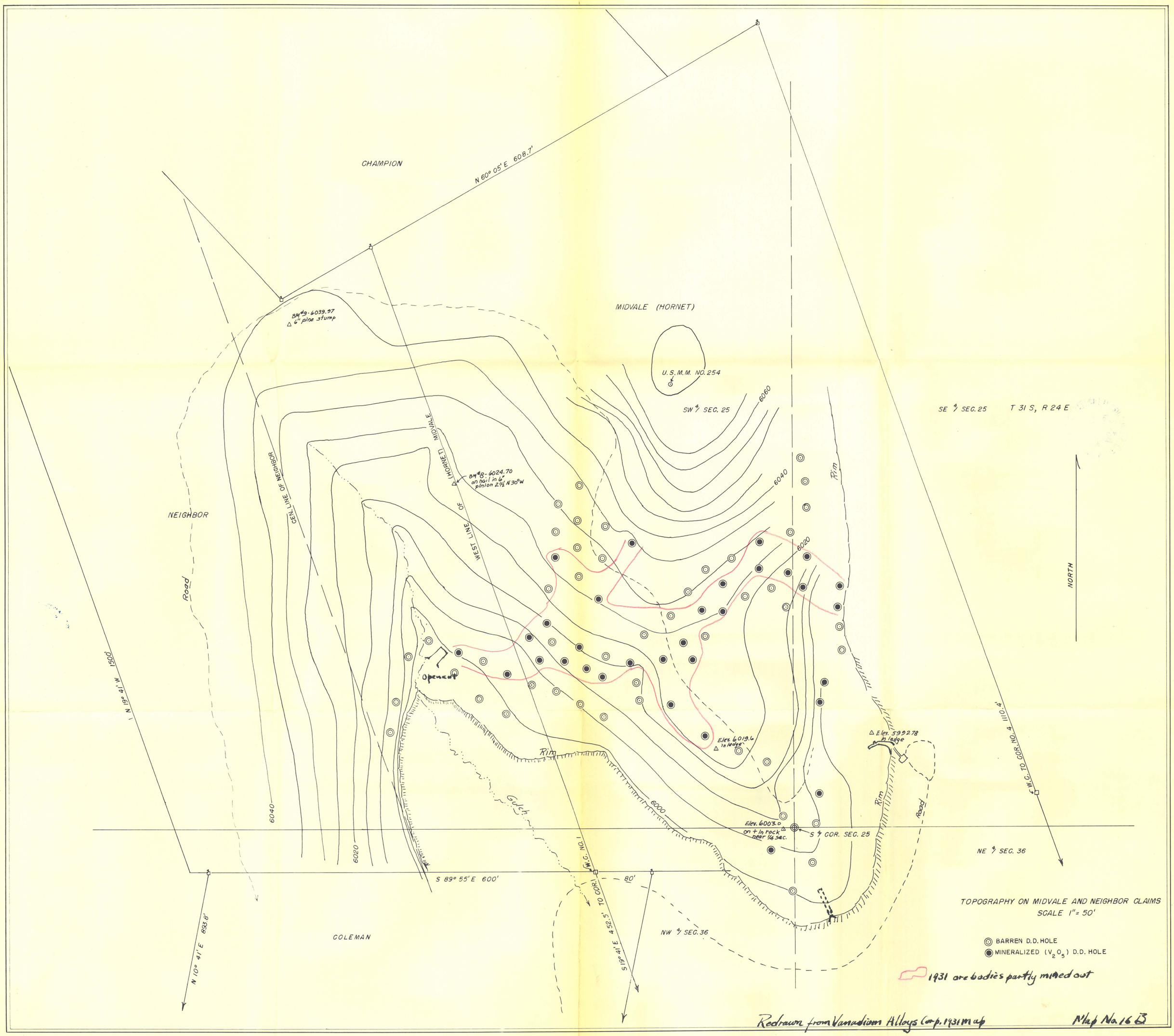
SURVEYED JANUARY 1956

SCALE IN FEET
0 50 100 150

CONTOUR INTERVAL 10 FEET

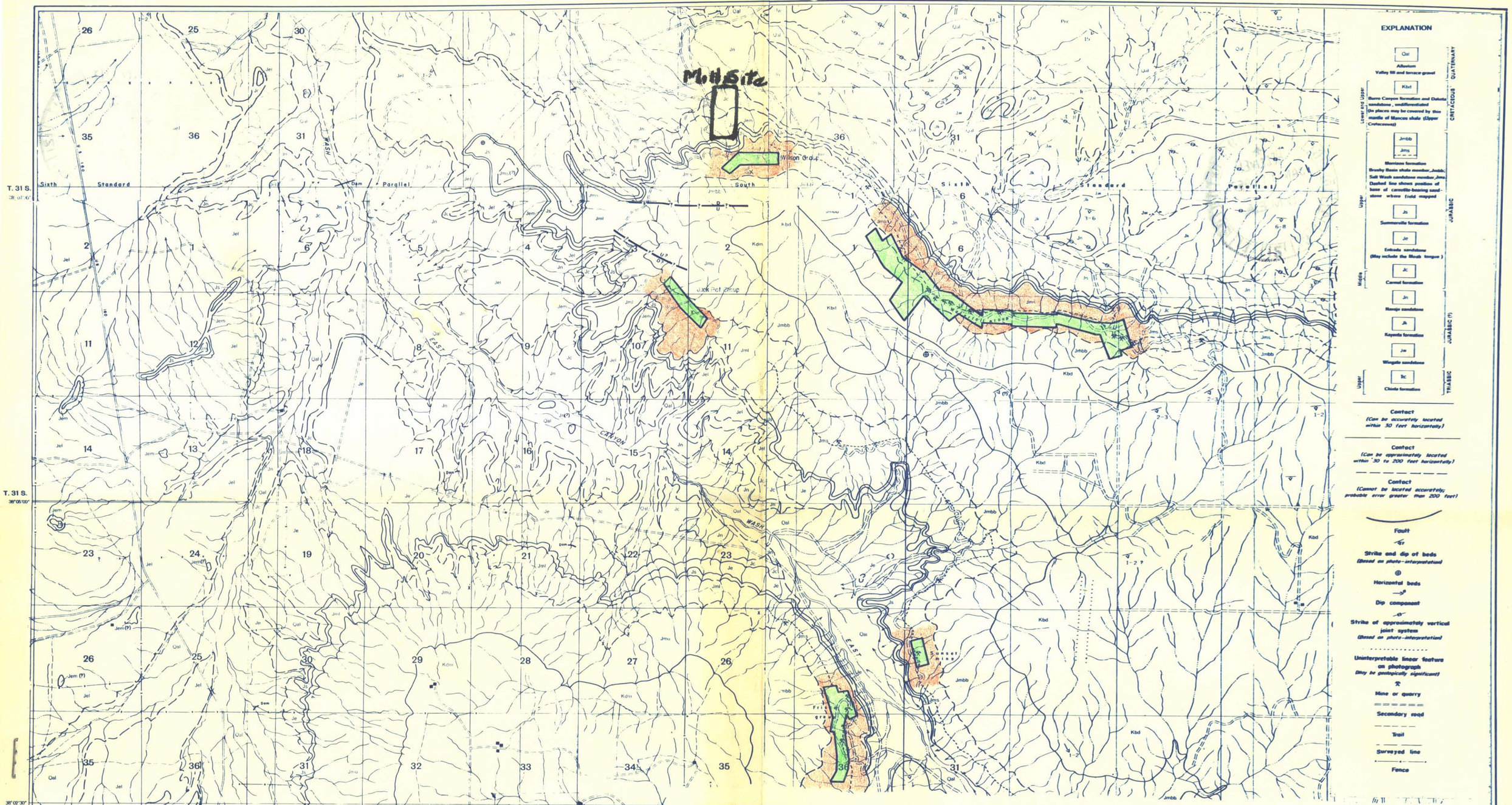
Unexplored area of claim proposed for drilling

Map No. 17



Redrawn from Vanadium Alloys Corp. 1931 map

Map No. 16 B



PHOTOGEOLOGIC MAP

ATOMIC RESOURCES CORP. HOLDINGS IN SAN JUAN COUNTY, UTAH

CHAPMAN & WOOD DRAWING NO. U-31

REPRODUCED FROM U.S.G.S. PHOTOGEOLOGIC MAPS, MT. PEALE 10, 11, 14, 15

SCALE

0 ½ 1 MILE

MARCH 1956

Map No. 1