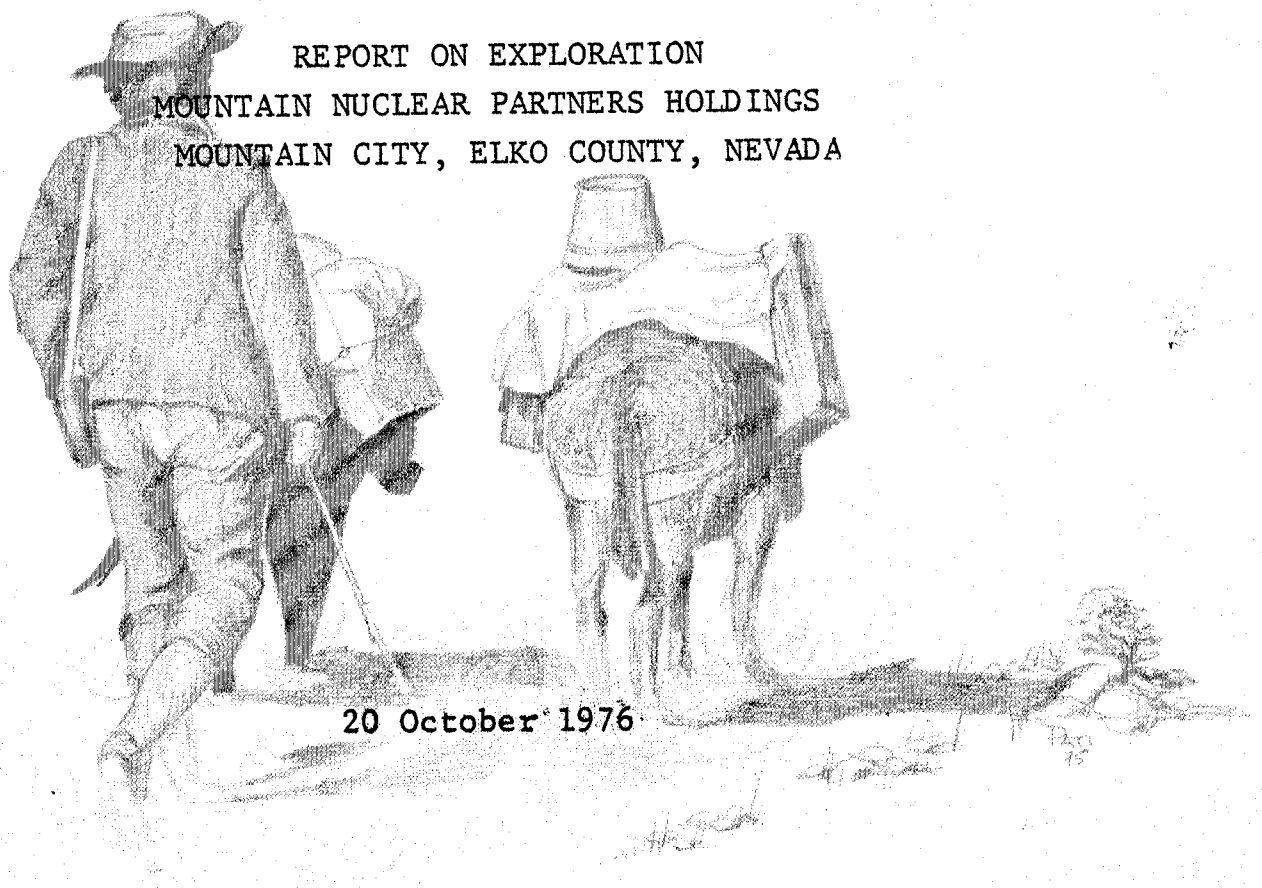
3260 0111

NICK SAUM, Ph. D.

Geologist

Geologic Mapping
Mine Valuations
Property Examinations
Reserve Estimates
Geochemical Surveys

P.O. Box 956 Golden, Colorado 80401 Phone (303) 278-1275



REPORT ON EXPLORATION
MOUNTAIN NUCLEAR PARTNERS HOLDINGS
MOUNTAIN CITY, ELKO COUNTY, NEVADA

20 October 1976

NICK SAUM

TABLE OF CONTENTS

INTRODUCTION:

Nick Saum controls 132 claims in six different blocks of ground in the Mountain City, Nevada area. There has been some minor production of uranium from this area in the past. Utah International is reported to have three ore bodies blocked out just to the north of the Luxe group of claims. Anaconda has been working just to the south of that group of claims. A location map follows this page.

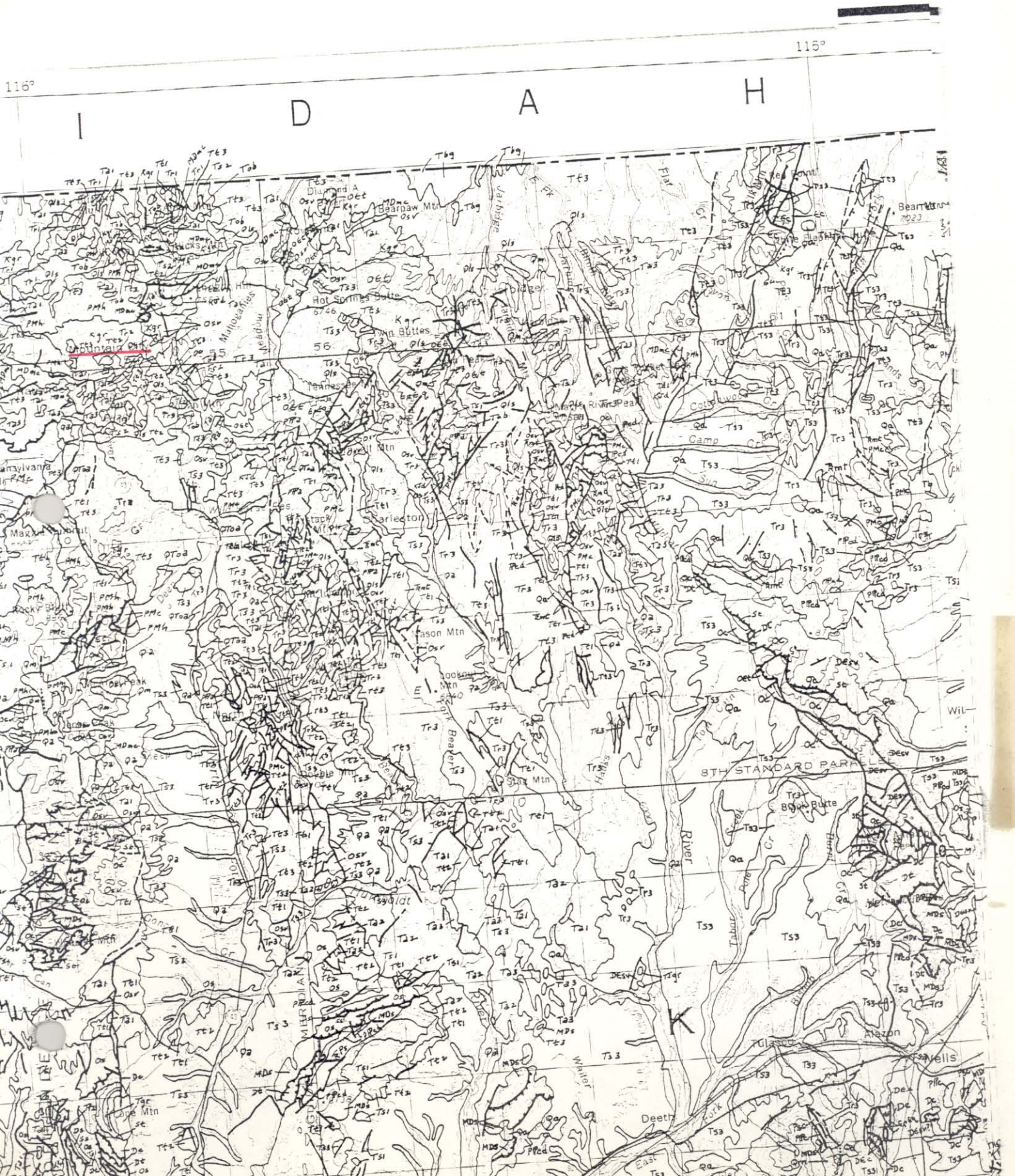
In addition, the map entitled Radon Emanometry shows the location of the claim blocks. A second map is included which shows the location of the Luxe, Daily, Side, Top, Hill, Reno, Long and Dry Lake claims. These claims are grouped as the Luxe et.al. claims in this report.

GENERAL GEOLOGY:

The generalized geologic map which follows (Stewart and Carlson, 1974) shows the area of interest. The surface rocks consist of alluvium, acidic Tertiary volcanics (tuffs, flows, etc.), and underlying intrusive granitic rocks which are probably Jurassic or early Tertiary in age. A discussion of the general geology of the area is included in the excerpt from the Conoco report to A. J. Cowley which follows the geologic map. All of that report is contained in Appendix B at the end of this report.

It is interesting to note that the reserves indicated in the Conoco work (13,022 tons at an average grade of 0.13% U_3O_8 or about 35,600 pounds) would have a value of about $1.5 million at today's price of $40 per pound.

Geologic Map of the Mountain City Area
From Stewart and Carlson, 1974



Mr. A.J. Cowley

REPORT ON THE EXPLORATION PROJECT OF THE HOT SPOT CLAIMS NEAR MOUNTAIN CITY, NEV.

Number, Location and Accessability

There are 15 "Hot Spot" claims in this group. They are located in Sections 35 & 36, T46N, R53W in Sections 1, 2, & 3, T45N, R54E The claims lie to the west and within a two mile radius of Mt. City, Nevada. They are accessable by passenger car in dry weather over dirt roads.

Topography

In the area of the claims there is a flat meadow-land, along the Owyhee River, which breaks rather abruptly to rounded hills to the west. On the claims the maximum difference in elevation is 300 feet in reference to the main river. In general the main vegetation is sagebrush.

General Geology

The area in general seems to be underlain with granite intrusive wich was probably emplaced sometime between late Jurasic and early Tertiary time.

This granite forms the surface on most of claims #5, 6, 7, 8, 9, 10, 14, and 15. On the balance of the claims #1, 2, 3, 4, 11, 12, and 13, the granite is covered with a series of volcanics which are probably Tertiary in age. These volcanics vary in thickness from a feather edge to as much as 340 feet, and consist of rhyolites, welded tuffs, and beds of various colors, and some bentontic layers.

Petrified wood is quite abundant on both the surface and in some of the sub-surface ash beds. Also, Jasper is quite abundant in the area.

Uranium ore was exposed in two different places before the start of the drilling program. One was near the south-side center of Hot Spot #1 and the other near the north-side center of Hot Spot #2. In both these locations the ore was exposed by bulldozer cuts and was at the granite-volcanic contact, which in both cases was apparently a fault contact. This fault struck in a northerly direction and had a steep easterly dip. The ore was primarily autunite with a small amount of carnotite. Hand-picked samples ran 0.07% U_3O_8 by chemical analysis.

Faulting in the granite was quite extensive. Many of the faults and shears in the property area were mined for silver and gold in the late 1800's and early 1900's. The writer feels that the primary faulting was pre-volcanic; however, due to slickened sides at the granite-volcanic contact it is felt that there has been later movement along these faults. Most of these faults as plotted by the writer had a northerly strike and are shown as normal faults, however, it is possible that some of these faults are reverse faults.

Ground water became a problem in approximately half of the holes. There was evidence of a perched water table which did not contain enough water to be expelled by the drilling air, but was sufficient to plaster the cuttings along the sides of the hole. At greater depth where the main water table was reached there was sufficient water to be expelled at the top of the hole. Needless to say, this washed the sides of the hole and diluted the samples quite badly. As an example, hole #38 showed approximately 3 1/2 feet of commercial ore on radiometric probings with a narrow stringer of greater than 1% U_3O_8, however, the chemical assays for the same interval showed a maximum of .04% U_3O_8. The ore seems to be generally below these water tables, and also slightly above the granite contact.

Drilling Program

The drilling of this project was contracted to Petroleum Geophysical Co. They furnished a new Mayhew-1000 rotary drill rig and water truck with a driller and helper. Air was used as a drilling fluid throughout.

Since the ore showing in the bulldozer cuts was at the granite-volcanic contact, it was decided to drill to this contact on all holes. A line of holes, numbers 1 through 7, was laid out approximately 60 feet to the northeast of the ore show on Hot Spot #2. These holes were spread on 50 feet centers mainly to get an indication of the strike and depth of the granite contact.

Drilling commenced on June 7, 1957. Samples were taken every 2 feet. Drilling was fairly easy on this first line (Sec. A-A'), and since the depth to granite was quite variable it was decided to extend this line by three more holes in the northwest and run a line of holes parallel to the first line. It was felt that since the drilling was easy, it would be advantageous to get a structural picture of the contact. The first two lines of holes consisting of 26 holes was completed by June 17, 1957. An anomalous condition appeared in the second line (Sec B-B'), when better than 1% was cut on hole #19, with hole #20 being blank radiometrically and the granite being much higher than a a reappearance of the better than 1% in hole #21. Due to this anomalous it was felt advisable to put another short line of holes to northeast to see if the indicated fault and the ore could be pinpointed. Therefore, the third line on 50 feet centers (Sec C-C') was located and drilled. On this line, Hole #3 showed some ore radiometrically indicating greater than .1%, however, due to the fact that the hole was making water, very poor cutting samples were obtained and the chemical analysis did not confirm the radiometric readings.

Due to the holes on line C-C' making water and the increased depth of hole, the drilling became much more difficult and slower. The cutting samples were very poor and quite often not representative as they had a tendency to collar-up on the sides of the holes.

At the suggestion of Mr Crowley, and on the completion of line C-C', the hole center opening was increased. At this time approximately one-third of the amount appropriated for the project had been spent. The writer felt that, due to the apparent faulting, holes on 100 feet centers would be necessary to maintain the structural picture and still cover more area. As it turned out, a much wider spacing would have been more advisable. Because of the increased drilling depths, and the wet holes, the time per hole increased very rapidly. This slower drilling resulted in faster expenditure of the alloted money without getting adequate surface coverage.

On the completion of 40 holes it was decided to move the drill to the other area of volcanics to the southwest.

Four holes were laid out on 250 foot spacing with the idea of stradling what appeared to be a surface trace of a fault. The first hole on this new line showed the granite to be much deeper than anticipated.

The second hole had just been started when Mr. Mason and Mr Gregg of Ceg Minerals, and Mr. Jedliaka and Mr. Leenshal of Conoco visited the project. A discussion was held with them to determine how to best utilize the money remaining in the appropriation. It was decided, by a majority, that two more deep holes to offset radiometric shows on line D-D' and E-E' would be of more advantage than to drill further in the new location to the southwest. Therefore, the drill was brought back to line B-B' and one hole was drilled between #36 and #37 and another between #37 and #38. An estimate at this time showed approximately enough money remaining to drill one more hole. The writer chose to offset #36 and #37. The hole was completed and as the driller was coming out of the hole a cable slipped from under the cable clamp and dropped about 300 feet of drill stem into the hole. After fishing for about 5 hours the string was sucessfully recovered. The drill was released at noon on July 17, 1957.

MAP

A topographic map was made of most of the area covered by volcanics. Mapping was accomplished with a plane-table and alidade.

Also, a structural contour map was made of the top of the granite.

ASSAYS

In the opinion of the writer, the chemical assays do not reflect correctly the grade of ore as indicated by radiometric probing. The assayer reported that radiometric readings of the samples submitted for assay, were consistantly at, or slightly below the chemical assay. Therefore, the writer feels that the radiometric readings of the hole probe represents more closely the actual grade of ore in the ground. The probable reason for the discrepency is dilution of the samples. This could be caused by attrition from the sides of the hole and also in part from dust loss due to a poor collection method. Also, in about one half of the holes there was enough water to either stick the cuttings to the side of the holes, or if the hole made enough water to be expelled at the top of the hole, to wash the fine cuttings away.

The writer feels that the only way to verify the radiometric readings will be to twin several of the holes indicating ore with core holes.

ESTIMATED ORE TONNAGE

Based on actual chemical assays of samples recovered from hole cuttings, the total amount of ore indicated was 2887 tons with an average grade of 0.16% U_3O_8. However, this amount of ore was in seven different deposits with the largest deposit covering three holes containing 1,212 tons of 0.21%U_3O_8 ore. It should be stated here that some of the holes did not produce cuttings in zones where ore was indicated by probing.

Due to dilution of the samples and the fact that the ore was in equilibrium it was felt that cross sections should be made showing only radiometric probe readings. This was done and the total indicated ore was 13,022 tons with an average grade of 0.137%U_3O_8. This total was also computed from eitht differend deposits with the largest deposit indicating 3416 tons, and covering an area of 6 holes.

Both of these total tonnages were contained in an area 840 feet long by 400 feet wide.

The gross value of the ore on the smaller tonnage is $31,000, while on the radiometric tonnage the value is $91,000. The writer feels that the tonnage based on assays is much smaller than the actual amount of ore present.

CONCLUSIONS AND RECOMENDATIONS

As it stands at present, this amount of ore would hardly be worth extracting due to the type of deposits and the difficulty of mining, however, the writer feels that there was insufficient surface coverage with the drilling program. It is felt that with more holes similar ore deposits could be located, which would greatly enhance the value property.

It is known that there are other ore deposits in the immediate vicinity which could, at present, be obtained by Continental.

It is strongly recommended that several of the holes showing ore radiometrically be twined and cored to validate the radiometric probings. This would provide accurate thickness of the ore zone, as well as giving samples for chemical assays which would be free of dilution. Two thousand dollars spent on core holes would be of more value than two or three times that amount spent on wide spread holes where dilution and collaring make accurate evaluation very difficult. More holes should also be drilled on the southwest area, and if possible, other claims in the area should be obtained. The writer feels that this procedure would prove-up enough ore to make possible a profitable mining operation in this area.

RADON AND SCINTILLATOR SURVEY:

During August and September of 1976, Dr. James Connor conducted a soil-gas radon study and a scintillator survey of the claims and the surrounding area. The results of the radon survey are shown on the accompanying map entitled Radon Emanometry.

The radon survey was conducted by drilling holes to about three feet in depth, inserting a probe with an inflatable bladder to seal the hole, and pumping at least ten liters of soil gas from the bottom of the hole through a chamber on a modified Eberline PRM-4R/AC-3 alpha counter. Several tests were conducted to insure that the radon gas being detected was Radon-222 derived from uranium. Such was always the case.

Most of the radon anomalies were detected on the Arrow, Mac, and Cola groups of claims. Some anomalous readings were detected on the Luxe et. al. group.

Several areas of interesting gamma radiation were detected. These are noted in Dr. Connor's field notes which are included in this report as Appendix A.

Selected References

Coats, R.R , 1971, Geologic map of the Owyhee quadrangle, Nevada-Idaho: U S. Geol. Surv Misc. Geol. Inv. Map I-665.

Coats, R. R., 1968, Preliminary geologic map of the southwestern part of the Mountain City quadrangle, Elko County, Nevada: U. S. Geol. Surv open-file map.

---------- unpub. map, Mountain City quadrangle.

Bushnell, Kent, 1967, Geology of the Rowland quadrangle, Elko County, Nevada: Nevada Bur Mines Bull. 67, 38 pp. Modified locally by R. R. Coats and Leland Cress, 1970-1971.

Stewart, John H., and Carlson, John E., 1974, Preliminary geologic map of Nevada, U. S. Geol. Surv. Map MF-609.

Field Notes - Dr. James Connor
Mountain City, Nevada

25 Aug 1976

MCR-1	250	140	"B-Soil Damp-Dry Drill Site
MCR-2*	400	130	B-Soil Drill site Damp
MCR-3	400	110	B - wet clay, Drill site
MCR-4	350	150	B(A2) Damp clay near intersection
MCR-5	350	170	B Wet, Damp B ½ mi past R-0
MCR-6	1000	150	C-Soil - Dry ½ mi Mica, Qtz
MCR-7	500	160	"B" or C, Ditto, ½ mi
MCR-8	200	300	In Road, Damp clay Too Rocky elsewhere, ½ mi
MCR-9	100	125	Damp clay, "B", ½ mi
MCR-10	25	170	150 E ~~Top~~ NE Long 12 NW Long 16 ~~Home~~ ½ mi Past Dry B, Sandy clay
MCR-11	175	150	Weather Rhylite Rock C-layer, 1/10 mi NW Cor Long - 6
MCR-12	200	140	B - Damp Sand Center Long - 6
MCR-13	150	130	"150'S SE Long 15 NE Long 14 1/10 mi
~~MCR-14~~			Rocky, Rhyolite Chert
MCR-14	100	130	200' past intersection, N Long, 16, Rocky B-Soil Damp

25 Aug 1976 J Connor

25 Aug 76

Note Underscored locations are relative to physical posts. others are from "Mapped claims.

* Drill site MCR-2 is SE intersection at North central Long-16. It is 1/10 mi (600') past MCR-14

25 Aug 76

Site #	d, cpm	X, cps	Comments
MCR15	100	140	600' SE MCR-2 Near Center Hill-15 Dampsand, B layer
MCR-16	250	120	Curve near BM 6086, Near SE Ca Hill-15; NE Ca Hill-16 Area 250' West Quiver Mountain Hill-16. ON Curve Rock B-Damp Clay
MCR0	750	170	Ca 1800 hr

25 Aug 76

J Connor

2

26 Aug 76

Site no	d. cpm	Y cps	Comment
MCR-0	500	180	500' SW H,11-13, 1414 du Daily
MCR-17	25	140	Very Rocky, hide difficult. wet + clay; N-Center H,11-13, Lots granite
MCR-18	Zero	140	NE Cor H,11-12, Saturate wet, B-Clay,
MCR-19	100	110	NE Cor H,11-10 Curve Rocky, Damp B-Clay
*MCR-20	50	130	West Center H,11-8 Damp Sandy Clay - B Chert float
MCR-21	75	130	Center H,11-8 Damp B-Clay
MCR-22	250	150	SW H,11-6: White B Sand Dry. Top of Bluff.
MCR-23	200	150	South end of H,11-4 Curve near intersection Moist B-Sand. Interesting float
MCR-24	150	90	NE Cor Daily-30; Chert, qtz float. Damp yellow Sand - Coarse
MCR-25	450	160	NE Cor Daily 32 Dry Yellow Sand - Coarse - Browner Than MCR-24
MCR-26	300	150	SE Daily-32; Near (B) Gully; Moist Brown Sand
MCR-27	250	160	NW Daily-1; Damp B Sand, Chert
MCR-28	250	120	Center, Daily-1 Coarse, Damp Sand
MCR-29	200	110	NE Cor Daily-2 Dry Red Sand
MCR-30	250	100	Intersection N-Daily-4 Damp Brown Clay
MCR-31	50	110	W-Central Daily-6 Sticky Clay
MCR-32	300	130	W-Center Daily-8 Sticky, Damp Clay
MCR-33	100	150	NW Cor Lure-11 wet, yellow clay

26 Aug 76 — J Cornell

26 Aug 76

* Soil change

26 August 76

MCR-34	150	170	Near Center Luxe-1 Wet Clay
MCR-35	375	170	NE Cor Luxe-2 Dry Coarse Sand
MCR-36	100	170	1/10 mi, Cattle Guard Mostly Sand Stones,
MCR 37	100	275	~~105'~~ 500'E Roadside Cut, wet Yellow Clay
MCR 38		240	205' East on Road

2-Counter defective
No Reading

26 Aug 76
Jim Corner

27 August 76

Site	cpm	γ (cps)	
MCR-39		325	Mac group, west side of hill, near top.
			Little Soil, No hole
MCR-40		180	SW side hill, Mac grp
MCR-41		160	S side hill, Mac, Nokde
MCR-42		190	SE side, Drill site, drill turnings
"		160	Background
MCR-43		120	East side hill, outcropping
MCR-44		170	end of Road, NE side (Rock Sample, 50' N)
MCR-45		225	NE side hill
MCR-46		150	NW side hill
MCR-47		140	Location Pat "Mac-1"
MCR-48		130	Rusal Gulch, SW hill
MCR-49		160	ca 300' NW Corral
MCR-50		120	South Helen hills
MCR-51		140	~~Area group adjacent~~
MCR-52		350	Arrow group at pits
"		4200	ore
MCR 53		180	1/10 (60s') down Rd
MCR 54		1400	out on road, sharp curve ca 220' down
MCR 55		160	1/2 mi down from MCR 53 at creek

MCR 51-55 on road above MCR-0

Jim Carver 27 Aug 76

18 Sept 76

~~MCR-0~~	α (cpm)	β (cps)	(& Background)	
MCR-0	650	140	B-Soil	Moist
			50	
MCR-56	250	170	50	B-Soil Moist granite outcrop
MCR57	700	150	50	Moist B-Soil
MCR-58	550	150	50	Moist B-Soil
MCR-59	200	140	50	Moist B-Soil Draw
MCR-60*	350	150	50	Moist B
MCR-61	650	160	50	Moist B-Soil Draw
MCR-62	200	140	—	Rocky-B Moist B
MCR63	300	140	—	Dry C-Soil
MCR-64	350	130	—	Moist B-Soil
MCR-65*	500	140	50	Damp B-Clay
MCR-6*	225	140	—	Moist B-Sand
MCR-66	200	130		Moist B Sand
MCR-67	225	120		Moist B-Sand
MCR-68	150	130		Moist B-Sand
MCR-68	600		50	

Grease gun has Been Leaking.

Turn around & Re-run.

J Connor 18 Sept 76

18 Sept 76

Top Soil wet Due to recent rains. B layer only Moist.

Samples taken every 0.1 mi (604.5') headed E

* This should be identical to MCR-5; Flag is gone. Resampled

* Should Be MCR-6; Flag gone Found MCR-6 0.1 mi along Holes 1' apart

18 Sept 76 J Connor

18 Sept 76

#	α cpm	α Bkgnd	γ cps
MCR-68	600	50	130
MCR67	600	—	120
MCR66	650	50	130
MCR-6	1000	50	140
MCR65	2500	100	140
MCR64	1150	100	130
MCR63	1150	50	140
MCR62	750	50	140
MCR61	2500	50	160
MCR60	900	50	150
MCR59	550	50	140
MCR58	950	100	150
MCR57	1300	50	150
MCR56	700	~~700~~ 50	170
MCR0	900	100	160 (140)

All Below Rereads

previous page - all

18 Sept 76

J Conner

19 Sept 76

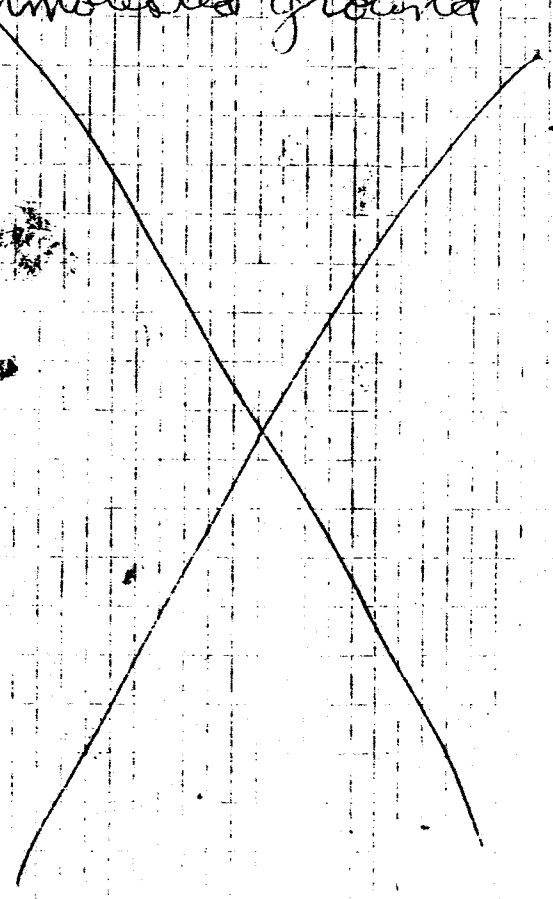
Point	α cpm	γ cps	Blagged α-cpm	Comments
MCR-0	750	160	50	Nearly dry B Soil
MCR-69*	1250	140	—	Tommy Whites
MCR-70#	6500	390	150	Drill site, Cola Damp B-Soil
MCR-71	800	250	100	Rocky Rhyolite Wet Clay,
MCR-72	500	140	100	Wet Clay-Soil too tight to look an
MCR-73	800	110	100	wet Rocky Clay Wet-B
MCR-74	300	125	—	Damp B
MCR-75	150	140	100	Hard Damp Bar By Stream
MCR-76	600	150	—	Rocky B Soil Damp
MCR-77	400	150	100	Rocky-B Soil Damp
MCR 78	200	140	75	Wet A-2 or B Rocky, Intersection
MCR 79	200	140	—	Water in hole. Silt near Stream at cattleguard
MCR-80	450	140	—	Damp-B
MCR-81	450	130 ~~100~~	100	Damp B clay intersection
MCR82	—	160	—	No Radon test; too Rocky; no Soil
MCR83	300	120	—	wet B clay Repeat-Very Rocky
MCR-13	100	130	50	Wet B Soil
MCR-14	250	120	50	Damp B Sand twinned at 1'
MCR-2	150	120	—	Drill site wet Clay-B
MCR-15	150	130	50	Twin-Damp B
MCR-16	350	130	—	wet B clay Twin
MCR-17	150	130	50	Rcky, wet B clay

19 Sept 76 J Connor

19 Sept 76

* Should be near MCR-1 Flag not found

\# Unmolested ground



19 Sept 76 J Connor

19 Sept 76

	γ		α Bkgnd	
MCR-18	50	140	50	wet B clay
MCR-19	250	130	—	Damp B clay
MCR-20	500	130	50	Damp Sand B
MCR-21	1000	130	50	Damp B-Sand
MCR 22	450	150	—	Dry gray Sand Twin
MCR-23	650	130	—	Moist Sand
MCR-24	1050	75 ~~50~~	50 ~~75~~	Dry yellow Fine Sand. No Clay
MCR 25	800	150		Dry Brown Sand B Layer
MCR 26	700 ~~65~~	150	50	Damp yellow B-Sand
MCR 27	700	150	—	Damp gray Sand
MCR 28	1000	130	—	Dry Brown Lite B
MCR 29	550	90	50	wet red Clay, Fine
MCR-30	200	100		wet B-clay Intermediate
MCR-0	800	160	75	
MCR 84	650	200	—	west of MCR-0 wet B. Rocky/ Coarse Damp Sand
MCR 85	550	140	—	Cut by road
MCR 86	400	130	—	Damp B Sand Fine
MCR-87	1300	150	100	C-Soil in Rd Cut Coarse Sand
MCR-4	450	130	—	A-2 Layer i wet Silt
MCR-88	750	150	100	wet, Rocky B-Clay at fork near Intersection

19 Sept 76 J Connor

20 Sept 76

Station	α (cpm)	γ (cps)	Bckgnd α (cpm)	Comments
MCR 89	1050	300	50	Tommy's, west of hill west Talus; Moist Sand
MCR-90	4500	250	150	NW Side hill, Intersection; Dry Sand, B
MCR-91	1000	200	50	E/E side of hill; Road cut, C-Sand
MCR-92	950	120	—	Knob top 0/mi NW da. Damp Coarse Sand
MCR-93	750	120	—	Coarse, Damp Sand
MCR-94	700	120	75	Coarse, wet B-Sand
MCR-95	1100	120	—	Coarse wet B-Sandy Clay Intersection near MCR 90 & MCR 92
MCR-96	900	120	—	Near Rugged gulch Damp Sand
MCR-97	800	125	50	0/mi SE MCR 95 gulch; Damp Silt, B
MCR 98	700	110	—	Gulch - Sand - B Wet.
MCR-99	800	120		Intersection: Wet B-Clay
MCR-100	2500	120	75	wet clay, surface Moist B-Sand Intersection
MCR 101	450	125	—	~~East end Corrill~~ Damp B-Sand
MCR 102	550	130	—	S End Corral wet clay, Tight
MCR 103	1100	140	100	Moist B-Sand
MCR 104	800	120	100	Stoney - B-Clay
MCR-105	900	130	75	gate, very Coarse Damp Sand - B or C
MCR-106	500	120	100	Rocky at Depth wet A-Clay
MCR-0	800	160	75	

all above in "Mac" claim area
20 Sept 76 J. Connor

20 Sept 76

Hole no	α (cpm)	γ (cpm)	BKgnd α (cpm)	Comment
MCR107	900	120	—	Wet B clay Sand clay B
MCR108	450	110	—	
MCR109	950	95	150	Wet B clay stoney granite/phyllite interface
MCR110	750	110	50	Dry B-clay
MCR111	700	110	—	Damp B-sand
MCR112	750	150	75	wet clay
MCR113	450	130	—	Organic ≈ MCR112 interaction wet, stoney B-clay o/m N
MCR114	550	135	—	Dmp Snd
MCR115	400	130	100	Dry Sand-B
MCR116	300	110	50	Rock, wet B clay/ quartz
MCR-117	300	120	50	Rocky, granite Dry B: sand
MCR-118	700	110	50	clay over Damp B sand
MCR-119	400	110	75	Bright yellow sandy clay, wet
MCR120	150	120	50	wet B clay
MCR-0	800	155	50	—

20 Sept 76
Connor

21 Sept 76

Station	α(cpm)	γ(cps)	Background α(cpm)	Comment
MCR-0	750	160	50	Rocky, wet clay B
MCR121	150	120	—	Damp B Sand
MCR122	600	130	—	Damp B Clay
MCR123	500	130	50	Intersection
MCR124	350	150	30	Moist yellow Brown
MCR125	500	140	50	Moist Brown B. Sand
MCR126	450	130	50	Moist white B. Sand
MCR127	450	130	—	Moist B sand
MCR128	550	120	50	Bone Dry Hard Pan Ridge top, Intersection
MCR129	800	120	75	Damp B-Sand
MCR130	100	100	25	Rocky, wet B-clay
MCR131	100	120	50	Soft yellow Rock clay
MCR132	500	100	25	Damp yellow B-Sand
MCR133	—	100	—	Too Rocky to get Auger hole.
MCR134	350	100	25	Rocky, wet B clay
MCR135	450	110	—	Stoney, wet B-clay
MCR136	150	69	75	S. Fork Cut Bank Rocky wet Sand
MCR137	150	95	25	Damp yellow B-Sand
MCR138	250	140	—	Intersection Rocky B Sand, Damp
MCR139	600	160	50	wet mud
MCR140	300	120	50	Very Rocky, Small shallow hole
MCR141	300	110	50	wet B-clay
MCR142	350	110	75	Dry white B Sand

21 Sept 76

J Connor

21 Sept 76

Station	α (cpm)	γ (cps)	Bckgrnd α (cpm)	Comments
MCR143	75	81	50	very shallow due to Rock's Interaction

Augers non-functional
21 Sept 76 J Connor

22 Sept 76

MCR0	800	170	0	To Rocky for hole
MCR144	—	110	—	Dry B sand
MCR145	600	140	50	Rocky surface
MCR146	650	110	50	Dry B-Sand

Elmer Cannot Under-
stand Use of Hard-
facing Auger tips.

No go 15[30]

J Connor
22 Sept 76

Station	x (cpm)	y (cpm)	Background x (cpm)	Comment
MCR-0	750	130	50	
MCR147	900	110	25	Dry B-Sand Rocky Surface
MCR148	500	130	—	Damp Sandy-Clay B
MCR149	075	130	25	Damp hard B Clay
MCR150	250	150	25	Damp yellow B-Sand
MCR151	150	130	75	Wet B Clay
MCR152	025	100	25	Wet Clay
MCR153	50	150	50	Wet Clay-B
MCR154	300	150	50	Wet B Clay
MCR155	500	180	25	Shallow, Rocky Sand
MCR156	550	180	75	Damp B-Clay
MCR157	650	110	50	Wet clay-B Rocky
MCR-31	150	110	50	Wet B-Clay
MCR32	400	100	50	Sandy B-Sand Damp
MCR33	25	170	25	Damp B-Clay Farm
MCR34	650	170	25	Damp B-Sand
MCR35	350	180	50	Rocky, wet Sand Near Cattle guard
MCR-36	100	160	50	Damp. B-Clay Farm
MCR-37	150	250	50	Wet yellow B-Clay Tiwanta
MCR-38	200	225	25	Tight, Wet, B-Clay
MCR158	250	140	25	Dry, Rocky Clay
MCR159	750	180	25	Rocky, Damp Sand End of Road
MCR-160	300	110	50	Rock, Wet, B-Sand
MCR161	75	100	50	

24 Sept 76 } Corr

24 Sept 76

Counter no.	α (cpm)	γ (cps)	Background α (cpm)	Comment
MCR 162	350	110	25	wet B Clay
MCR-163	100	110	25	wet Sand B
MCR 164	—	110	—	To Rocky for Fuger
MCR-165	200	110	25	Damp Sand B
MCR 166	300	110	25	Damp B Sand
MCR 167	300	110	50	Dry, Coarse Sand B
MCR 168	150	95	25	Damp B Sand
MCR 169	150	120	50	Rocky B Sand Damp
MCR 170	150	90	50	Damp B Sand
MCR 171	200	120	25	wet Clay-Sandy B (Castle Pond)
MCR 172	100	80	50	Damp B-Sand
MCR 173	50	99	50	Red Sand / wet Swale / Alt
MCR-0	100	170	50	

24 Sept 76

J Connor

25 Sept 76

Station	α (cpm)	γ (cps)	Bckgrnd α (cpm)	Comments
MCR-C	350	190	50	
MCR174	450	110	25	Damp Sandy Clay B 0.2 mi S
MCR175	750	150	50	Damp B Sand 0.2 mi
MCR176	300	150	25	Wet B Clay 0.2 mi
MCR177	350	140	50	Wet B Clay
MCR178	400	140	25	Yellow B Clay Wet
MCR179	350	130	50	Stoney Damp B Clay
MCR180	200	130	50	Damp Sandy B Clay (0.2 mi)
MCR181	150	140	50	Rocky Gumbo
MCR182	300	130	25	Wet Clay - B
MCR183	350	140	50	Wet B Clay
MCR184	300	120	50	Wet Gumbo Clay
MCR185	850	110	50	New Road Dry Sandy Clay - B
MCR186	700	130	50	Dry B Sand
MCR187	550	130	50	Wet B Clay
MCR188	500	140	75	Damp B Clay
MCR189	500	170	50	Damp B Sand
MCR190	650	225	50	Damp Rocky Sandy B Clay
MCR191	650	200	50	Spring Damp B
MCR192	700	120	[illegible]	Damp B Sand
MCR193	700	[illegible]	50	Damp B Sand & Clay
MCR194	400	130	75	Damp B Sand Clay
MCR195	250	170	50	Damp B Sand 0.1 mi
MCR196	300	140	25	Damp B Sand 0.2 mi

25 Sept 76 J. Connor

25 Sept 76

Station	α (cpm)	γ (cps)	Bckgrnd α (cpm)	Comments
MCR-0	850	190	50	—
MCR174	450	110	25	Damp Sandy Clay B 0.2 mi S
MCR175	750	150	50	Damp B Sand
MCR176	300	150	25	wet B Clay 0.2 mi
MCR177	350	140	50	wet B Clay
MCR178	400	140	25	Yellow B Clay wet
MCR179	350	130	50	Stoney Damp B Clay
MCR180	200	130	50	Damp Sandy B Clay (0.2 mi)
MCR181	150	140	50	Lacy Gumbo
MCR182	300	130	25	wet clay - B
MCR183	350	140	50	wet B Clay
MCR184	300	120	50	wet gumbo clay
MCR185	850	110	50	Red, Dry Sandy Clay - B
MCR186	700	130	50	Dry B Sand
MCR187	550	130	50	wet B Clay
MCR188	500	140	75	Damp B Clay
MCR189	500	170	50	Damp B Sand
MCR190	650	225	50	Damp Rocky Sandy B Clay
MCR191	650	200	50	Spring Damp Air
MCR192	700	120	25	Damp B Sand
MCR193	700	[illegible]	50	Damp B Sand & Clay
MCR194	400	130	25	Damp B Sand & Clay
MCR195	250	170	50	Damp B Sand 0.1 mi
MCR196	300	140	25	Damp B Sand 0.2 mi.

25 Sept 76 J Connor

		Background		
		γ (cps)	d (gm)	Comments
MCR197	150	120	50	Rocky B Sand/ Clay, Tight
MCR198	200	80	[illegible]	Wet B Clay
MCR199	200	85	25	Wet B Clay Tight
MCR200	100	98	25	Wet B Clay Tight
MCR0	800	160	75	—

25 Sept 76 J Corner

26 Sept 76

Station	α (cpm)	γ (cps)	Background α (cpm)	Comments
MCR0	650	170	75	?
MCR-201	700	180	50	Damp B Sand
MCR202	1025	170	25	Damp Coarse B Sand
MCR-53	700	200	75	wet Rocky gumbo; Shailed
MCR-52	850	300	50	Rocky, wet gumbo
MCR-203	7250	~~13,000~~ 6500	50	B sand, Bottom of pit
MCR204	550	2500	150	100'SE ore in pit Rocky yellow Clay
MCR205	>15,000	1200	700	150' NW #203 Damp yellow Sandy Clay
MCR206	6000	690	300	wet Clay - B Shoreline 150' NW of change filter
MCR0	800	170	100	Damp B Sand
MCR207	1100	140	75	wet B Clay
MCR208	250	140	100	Tight
MCR209	1200	140	75	Damp B Sand
MCR210	1100	140	100	Coarse Damp B Sand
MCR211	650	130	50	Coarse B-Sand Damp
MCR212	800	140	50	Ditto
MCR213	750	140	100	Do
CR214	650	140	75	Do
CR215	550	130	50	Side Road (Ditto)
R216	700	170	50	Do
R217	850	190	50	DO
218	350	180	50	wet Sandy clay B
219	—	180	—	Rocky, Mitn Top No Run
220	—	190	—	Shutdown Facility Rocky, NO Hole
Sept 76				0.1 mi NW Mine

Continued

29 Sept 76

Station	α (cpm)	γ (cps)	Background α (cpm)	Comment
MCR-C	650	130	50	Hole beginning Shallow
MCR221	200	130	25	Wet B Clay
MCR222	400	120	25	Damp Sandy B Clay
MCR223	25	110	25	Wet B Clay Tight
MCR224	300	110	50	Wet B Clay
DOH-3	300	110	50	Wet gumbo
MCR225	250	120	25	Damp B Sand
MCR226	650	100	50	Side Hole (Tight) Wet B Clay
MCR227	150	90	50	Damp yellow B Sand
MCR228	200	140	25	Rocky B Clay Shallow
MCR229	1050	150	25	Coarse B Sand
MCR230	500	140	25	Coarse B Sand
MCR231	400	120	25	Coarse B Sand
MCR232	300	140	25	Coarse B Sand Rocky
MCR233	200	140	25	Sandy Coarse B Sand
MCR234	150	160	25	Coarse Dry B Sand 0.2 mi
MCR235	1050	160	25	Coarse Damp B Sand 0.2 mi
MCR236	300	130	25	Rocky B Sand 0.2 mi Damp
MCR237	500	150	—	Sandy B Sand Damp
MCR238	700	160	25	Sandy B Damp 0.2 mi
MCR-C	1050*	160	300	* Contaminated from tires rolling on following page

28 Sept 76 Cormier

MCR 70

γ = 300-400 cps

t (min)	Reading
0	6000 cpm
0.5	6000
1.0	6000
1.5	5500
2.0	6000
2.5	6000
3.0	6500
3.5	6500
4.0	6200
4.5	6500
5.0	6200
5.5	6800
6.0	6500
6.5	6500
7.0	7000
7.5	6200
8.0	6500
8.5	6800
9.0	6600
9.5	7200
10.0	6500
Background	700

1) Hole MCR 70 was reopened.
2) Instrument brought to Maximum Reading
3) Holes sampled & recovered. Taken away 30 sec.

29 Sept 76 Cormier

[illegible] [illegible] CLARK

[illegible] City, [illegible]

by

William E. [illegible]
Geologist

TABLE OF CONTENTS

MAPS

Denver, Colorado
August 29, 1957

Mr. A. J. Crowley

REPORT ON THE EXPLORATION PROJECT OF THE HOT SPOT CLAIMS NEAR MOUNTAIN CITY, NEV.

Nature, Location, & Accessibility

There are 15 "Hot Spot" claims in this group. They are located in Sections 35 & 36, T44N, R61E; in Sections 1, 2 & 3, T43N, R61E. The claims lie to the west and within a two mile radius of Mt. City, Nev. They are accessable by passenger car in dry weather over dirt roads.

Topography

In the area of the claims there is a flat meadow-land, along the Owyhee River, which breaks rather abruptly to rounded hills to the west. On the claims the maximum difference in elevation is 300 feet in reference to the main river. In general the main vegetation is sage-brush.

General Geology

The area in general seems to be underlain with a granitic intrusive which was probably emplaced sometime between late Jurassic and early Tertiary time.

This granite forms the surface on most of claims #3,6,7,8,9,13, 14, and 15. On the balance of the claims #1,2,3,4,11,12, and 13, the granite is covered with a series of volcanics which are probably Tertiary in age. These volcanics vary in thickness from a feather edge to as much as 140 feet, and consist of rhyolites, welded tuffs, ash beds of various colors, and some bentonite layers.

Petrified wood is quite abundant on both the surface and in some of the sub-surface ash beds. Also, jasper is quite abundant in the area.

Samples are was exposed in two different places before the start of the drilling program. One was near the north-side center of Hot Spot #1 and the other near the north-side center of Hot Spot #3. In both these locations the ore was exposed by bulldozer cuts and was at the granite-volcanic contact, which in both cases was apparently a fault contact. This fault strikes in a northerly direction and has a steep easterly dip. The ore was primarily [illegible] with a small amount of bornite. Hand-picked samples run 0.7[illegible] by chemical analysis.

Faulting in the granite was quite extensive. Many of the faults and shears in the nearby area were mined for silver and gold in the late 1800's and early 1900's. The writer feels that the primary faulting was pre-volcanic; however due to alteration of the granite volcanic contact it is felt that there has been later movement along these faults. Most of these faults as plotted by the writer had a northerly strike and are shown as normal faults; however, it is possible that some of these faults are reverse faults.

Ground water became a problem in approximately half of the holes. There was evidence of a perched water table which did not contain enough water to be expelled by the drilling air, but was sufficient to plaster the cuttings along the sides of the hole. At greater depth where the main water table was reached there was sufficient water to be expelled at the top of the hole. Needless to say, this washed the sides of the hole and diluted the samples quite badly. As an example, hole #38 showed approximately ½ foot of commercial ore on radiometric readings with a narrow stringer of greater than 1.0% U3O8; however, the chemical assays for the same interval showed a maximum of 0.04% U3O8. The ore seems to be generally below these water tables, and also slightly above the granite contact.

Drilling Program

The drilling on this project was contracted to Petroleum Geophysical Co. They furnished a new Mayhew-1000 rotary drilling rig and water truck with a driller and helper. Air was used as a drilling fluid throughout.

Since the ore showing in the bulldozer cuts was at the granite-volcanic contact, it was decided to drill to this contact on all holes. A line of holes, numbers 1 through 7, was laid out approximately 60 feet to the northwest of the ore shoot on Hot Spot #2. These holes were spaced on 50 feet centers mainly to get an indication of the strike and depth of the granite contact.

Drilling commenced on June 7, 1957. Samples were taken every 2 feet. Drilling was fairly easy on this first line (Sec. A-A'), and since the depth to granite was quite variable it was decided to extend this line by three more holes to the northwest and run a line of holes parallel to the first line. It was felt that since the drilling was easy, it would be advantageous to get a structural picture of the contact. The first two lines of holes consisting of 26 holes was completed by June 16, 1957. As promising conditions appeared in the second line (Sec. B-B') when better than 1.0% was cut in hole #19, with hole #20 being black radiometrically and the granite being much higher, than a reappearance of the better than 1.0% in hole #21. Due to this anomaly it was felt advisable to put another short line of holes to northeast to see if the indicated fault and the ore could be pinpointed. Therefore, the third line on 50 feet centers (Sec. C-C') was located and drilled. On this line, hole #33 showed some ore radiometrically indicating greater than 0.1% U3O8; however, due to the fact that the hole was making water very poor, cutting samples were obtained and the chemical analysis did not confirm the radiometric readings.

Due to the holes on line C-C' making water and the increased depth of hole, the drilling became much more difficult and slower. The cutting samples were very poor and quite often not representative as they had a tendency to caller-up on the sides of the holes.

At the suggestion of Mr. Crosby, and on the completion of line C-C', the hole center spacing was increased. At this time approximately one-third of the amount appropriated for the project had been spent. The writer felt that, due to the apparent faulting, holes on 100 feet centers would be necessary to maintain the structural picture and still cover more area. As it turned out, a much wider spacing would have been more advisable. Because of the increased drilling depths, and the wet holes, the time

consumed per hole increased very rapidly. This slower drilling resulted in faster expenditure of the alloted money without getting adequate surface coverage.

On the completion of 40 holes it was decided to move the drill to the other area of volcanics to the southwest.

Four holes were laid out on 250 foot spacing with the idea of straddling what appeared to be a surface trace of a fault. The first hole on this new line showed the granite to be much deeper than anticipated. The second hole had just been started when Mr. Eason and Mr. Gross of Sag Minerals, and Mr. Jrdillera and Mr. Lozanhal of Cemco visited the project. A discussion was held with them to determine how to best utilize the money remaining in the appropriation. It was decided, by a majority, that two more deep holes to offset radiometric shows on lines B-B' and E-E' would be of more advantage than to drill further in the new location to the southwest. Therefore, the drill was brought back to line B-B' and one hole was drilled between #36 and #37 and another between #37 and #38. An estimate, at this time, showed approximately enough money remaining to drill one more hole. The writer chose to offset #36 and #37. The hole was completed and as the driller was coming out of the hole a cable slipped from under the cable clamps and dropped about 300 feet of drill stem into the hole. After fishing for about 5 hours the string was successfully recovered. The drill was released at noon on July 17, 1957

Mapping

A topographic map was made of most of the area covered by volcanics. Mapping was accomplished with a plane-table and alidade.

Also, a structural contour map was made of the top of the granite.

Assays

In the opinion of the writer, the chemical assays do not reflect correctly the grade of ore as indicated by radiometric probing. The assayer reported that radiometric readings of the samples submitted for assay, were consistently at, or slightly below the chemical assay. Therefore, the writer feels that the radiometric readings of the hole probe represent more closely the actual grade of ore in the ground. The probable reason for the discrepancy is dilution of the samples. This could be caused by attrition from the sides of the hole and also in part from dust loss due to a poor collection method. Also, in about one half of the holes there was enough water to either stick the cuttings to the side of the hole, or, if the hole made enough water to be expelled at the top of the hole, to wash the fine cuttings away.

The writer feels that the only way to verify the radiometric readings will be to drill several of the holes indicating ore, with core holes.

Indicated Ore Tonnage

Based on actual chemical assays of samples recovered from hole cuttings, the total amount of ore indicated was 2007 tons with an average grade of 0.16755%U. However, this amount of ore was in seven different deposits with the largest deposit covering three holes and totaling 1,712

tons of 0.2[illegible]0g ore. It should be stated here that some of the holes did not produce cuttings in zones where ore was indicated by prosing.

Due to dilution of the samples and the fact that the ore was in equilibrium, it was felt that cross sections should be made showing only radiometric probe readings. This was done and the total indicated ore was 13,022 tons with an average grade of 0.13[illegible]0g. This total was also computed from eight different deposits with the largest deposit indicating 1416 tons, and covering an area of 6 holes.

Both of these total tonnages are contained in an area 840 feet long by 400 feet wide.

The gross value of the ore on the smaller tonnage is $31,000, while on the radiometric tonnage the value is $91,000. The writer feels that the tonnage based on assays is much smaller than the actual amount of ore present.

Conclusions And Recommendations

As it stands at present, this amount of ore would hardly be worth extracting due to the type of deposits and the difficulty of mining; however, the writer feels that there was insufficient surface coverage with the drilling program. It is felt that with more holes similar ore deposits could be located, which would greatly enhance the value property.

It is known that there are other ore deposits in the immediate vicinity which could, at present, be obtained by Continental.

It is strongly recommended that several of the holes showing ore radiometrically be trimmed and cored to validate the radiometric readings. This would provide accurate thickness of the ore zone, as well as giving samples for chemical assays which would be free of dilution. Two thousand dollars spent on core holes would be of more value than two or three times that amount spent on wide spaced holes where dilution and collaring make accurate evaluation very difficult. More holes should also be drilled on the southeast area, and, if possible, other claims in the area should be obtained. The writer feels that this procedure would prove-up enough ore to make possible a profitable mining operation in this area.

TOTAL COSTS OF PROJECT

Drilling:	$7,441.25
Bulldozing:	510.00
Salary:	607.50
Assays:	325.50
	$8,884.25

GEOLOGISTS EXPENSES Expen

William K. McMillan	- - -	$497.00
George Finke	- - -	[illegible]
Piul		
	GRAND TOTAL	$9,369.25

DRILLING COSTS

Petroleum Geophysical Co.

Date

Date	Hours & Cost	Bits and Cost
June	235.5 @ $17.50 = $4,086.25	5-7/8" Rock Bits @$45.00= $225.00
		1-5½" Bottle @ $35.00 = $ 35.00
July	144.0 @ $17.50 = $2,520.00	5-7/8" Rock Bits @ $45.00= 225.00
	379.5 @ $17.50 = $6,956.25	Bits = 485.00

Total Cost

Time:	$6,956.25
Bits:	485.00
	$7,441.25

Cost/ft. for entire project = $1.15

" " " drilling only = 0.96

BULLDOZER COSTS

John Uriarte - Mt. City (D-4 Cat.)

Date	Hours @ Rate	Cost
May 28	8.0 @ $10.00	$80.00
May 29	1.5 @ $10.00	15.00
June 10	8.5 @ $10.00	85.00
" 12	8.5 "	85.00
" 13	3.0 "	30.00
" 14	4.5 "	45.00
" 15	1.0 "	10.00
" 22	8.5 "	85.00
" 23	1.5 "	15.00
July 10	6.0 "	60.00
	51.0 @ $10.00	$510.00

Total Cost $510.00

Casual

SALARY - CASUAL LABOR

Thomas R. White

Date	Rate	Amount
6-7-57 to 6-16-57	$2.50/hr. Time & ½ over 40 hrs.	$162.00
6-16-57 to 7-2-57	Ditto	207.00
7-2-57 to 7-10-57		238.50
		$607.50

Total Cost $607.50

ASSAYS

Charles O. Parker & Co.
Parker

Date	Assay Ins. & Date	Cost
June 18, 1957	1053 thru 1060 @ $5.00	
	1084 " 1115 @ $5.00	215.00
	1116 for Au & Ag @ $1.50	1.50
July 17, 1957	1125 Check:	21.50
July 27, 1957	1117 thru 1124 @ $5.00	65.00
	1129 for Au, Ag & Cu @ $2.50	2.50
	Au Ag Cu	$305.50

Total Cost = $305.50

DRILL FOOTAGES

Holes	Footage
1 thru 10	728
11 " 26	2010
27 " 39	4[illegible]
40 " 45	[illegible]
	[illegible] - Total Footage Drilled
	7774

Washout Holes washout

[illegible] - 235 ft.
[illegible] - 156 "
[illegible] - 114 "
[illegible] "

15 - Holes less than 100' deep

16 " between 100' & 200' deep

7 " " 200' & 300' "

7 " " 300' & 400' "

Avg. depth of hole for 45 holes - 172'

Hole #	Area Ft.²	Avg. Thickness Ft.	Vol. Ft.³	Tons	Grade	
6 1-Zone	2165	1.1	2381	119	0.049	I
8 1-Zone	2165	2.3	4980	249	0.052	368 Tons-0.057% U_3O_8
5 1-Zone	2165	.6	1299	65	0.049	II
17 1-Zone	2165	.7	1515	75	0.043	140 Tons-0.055% U_3O_8
7 1-Zone Upper 2-Zone	2165	.7	1515	75	0.043	III Lower
19 Upper 1-Zone Lower	1515	1.1	1667	83	0.035	158 Tons-0.045
19-B-Grades	1515	4.7	7120	356	0.419	356 Tons-0.419 - Lower
24 1-Zone 1-Zone	1732	1.3	2252	141	0.040	IV
21 5-Grades 1-Zone	1732	8.5	14722	736	0.299	
22 5-Grades	1032	6.2	6706	335	0.087	1071 Tons - 0.219
21 1-Zone	1515	1.3	1970	98	0.137	V 98 Tons - 0.139
35 1-Zone	1650	4.0	6600	330	0.055	VI 330 Tons - 0.055
37 1-Zone	1732	2.6	4503	225	0.058	VII 225 Tons 0.058

Grade	Tons
0.[illegible] - 0.14%	1221
0.1[illegible] to 0.6[illegible] -	1466

Total Tons	Avg. Grade
2687	@ 0.16%

2687 Tons @ 0.16% @ $30.75/ton

Gross Value = $[illegible]

RADIOCARBON

Hole #	Area Ft.²	Avg. Thk. Ft.	Vol. Ft.³	Tons	Grade	
9 1-Stone	2165	5	10,825	541	0.050	I
6 1-Stone	2165	8.4	18,186	909	0.05[illegible]	
11 1-Stone	1100	2.3	2,310	115	0.04[illegible]	Lower
1-Stone	2165	1.5	7,577	379	0.05[illegible]	
13 2-Grades	1000	.6	600	[illegible]	0.110	[illegible]
4 2-Stones	2165	2	4,330	216	0.045	II
Lower	2165	3.2	6,928	346	0.055	
2-Stones	2165	.7	1,515	75	0.118	Lower Zone
5 1-Grades	2165	3.9	8,444	422	0.057	
6 1-Stone	2165	3.9	8,444	422	0.067	
7 1-Stone	2165	3.2	6,928	346	0.052	
26 1-Stone	2165	1.0	2,165	109	0.040	
17 1-Stone	2165	2.0	4,330	216	0.165	
2-Grades	2165	2.6	5,629	281	0.067	
10 1-Stone	2165	2.7	5,845	293	0.075	
2-Stones	2165	1.0	2,165	[illegible]	[illegible]	[illegible]
18 Upper	2165	5.4	11,692	[illegible]	[illegible]	[illegible]
19 Lower 5-Grades	2165	5.4	11,692	[illegible]	[illegible]	[illegible]
28 1-Stone	2165	0.9	1,949	97	0.252	III
25 1-Stone	1000	3.2	3,200	160	0.043	IV
24 2-Stones Upper	1500	3.2	4,800	240	0.05[illegible]	
2-Stones Lower	[illegible]	5.4	[illegible]	[illegible]	[illegible]	[illegible]
21 5-Grades Lower	900	12.9	11,610	580	0.121	Lower
22 4-Grades Lower	1000	10.0	10,000	500	0.200	
24 2-Grades Lower	1200	6.0	7,200	[illegible]	[illegible]	[illegible]
29 1-Stone Upper	2165	1.6	3,464	173	0.045	I Upper Zone
23 Upper	4311	3.0	12,933	[illegible]	0.049	
31 Upper 3-Grades	1525	1.9	2,878	[illegible]	[illegible]	[illegible]
30 Lower Zone	2200	[illegible]	5,040	252	0.057	Lower Zone
[illegible] Lower Zone	[illegible]	[illegible]	13,450	672	0.05[illegible]	

RADIOMETRICS

Hole #	Area Ft.²	Avg. Thk. Ft.	Vol. Ft.³	Tons	Grade	
35 1-Zone	8,000	2.0	16,000	800	0.054	VI - 1 Zone
38 1-Zones 1-Grades	2,100	3.3	6,930	346	0.385	1146 Tons- 0.152
2-Zones 36 Upper 1-Grades	2,100	6.7	14,070	703	0.239	VII Zones 703 Tons- 0.239
37 Lower 2-Grades	2,025	4.4	8,910	445	0.307	VIII Zones
42 Lower	1,300	4.2	5,460	273	0.049	718 Tons - 0.201

RADIOMETRIC TONNAGES

Area	Tons	Grade
I	1974	0.052% U_3O_8
II Upper	2812	0.067%
Lower	584	0.557%
III	97	0.25%
IV Upper	859	0.052%
Lower	1420	0.247%
V Upper	946	0.127%
Lower	1461	0.076%
VI	1146	0.154%
VII Upper	703	0.236%
Lower	242	0.047%
VIII	718	0.209%

Grade	Tons	Total Tons	Avg. Grade
0.040 to 0.199	1738	13022 Tons @	0.157% U_3O_8
0.200 to 0.600	5614		

13,022 Tons of 0.157% U_3O_8 @ $7.00/ton

Gross Value = $712,154.

RADIOMETRIC LOGS

Instrument Used: Babble Geiger Counter - Model #600-A with deep hole probe.

Calibration: Instruments calibrated with a sleeve type standard, with a 0.50% U_3O_8.

Instrument was zeroed and calibrated at the start of each probing, and checked at the end of each run.

The instrument was calibrated on the 4th scale and the hole probed on the 5th unless otherwise noted.

All elevations referenced to a 6000' datum.

HOLE #1

Zero (in: 0) Calib: (in: 50) on 4th Scale June 7, 1957
(out: 0) (out: 48)

Collar Elev.: 6000.6 Depth to Granite: 57'

Depth		Reading	Depth		Reading
65.5'	-	2	30	-	3
64	-	1	28	-	2
62	-	2	26	-	2
60	-	3	24	-	2
58	-	2	22	-	3
56	-	3	20	-	3
54	-	6	18	-	2
52	-	8	16	-	2
51	-	9	14	-	3
50.5	-	10	12	-	3
50	-	12	10	-	3
49.5	-	11	8	-	4
49	-	10	6	-	4
48.5	-	8	4	-	3
48	-	6	2	-	4
46	-	3	0	-	4
44	-	3			
42	-	3			
40	-	3			
38	-	2			
36	-	4			
34	-	4			
32	-	3			

HOLE #2

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 50) on 4th Scale June 7, 1957

Collar Elev. = 6003.8 Depth to Granite = 76'

Depth		Reading	Depth		Reading
83.0'	-	1	34	-	4
82	-	2	32	-	4
80	-	1	30	-	4
78	-	1	28	-	4
76	-	1	26	-	4
74	-	4	24	-	4
72	-	4	22	-	3
70	-	4	20	-	3
68	-	4	18	-	4
66	-	2	16	-	4
64	-	4	14	-	3
62	-	4	12	-	4
60	-	4	10	-	4
58	-	4	8	-	3
56	-	4	6	-	3
54	-	3	4	-	3
52	-	4	2	-	3
50	-	3	0	-	4
48	-	4			
46	-	3			
44	-	3			
42	-	3			
40	-	4			
38	-	3			
36	-	3			

HOLE #3

Zero (in: 0 (out: 2 Calib. (in: 50) (out: 50) 4th Scale June 7, 1957

Collar Elev: 6007.0 Depth to Granite: 80'

Depth		Reading	Depth		Reading	Depth		Reading
92.0	-	10	54	-	20	24	-	8
91	-	8	53	-	18	22	-	8
90	-	9	52	-	13	20	-	10
89	-	11	51	-	12	18	-	10
88	-	11	50	-	14	16	-	10
87	-	11	49	-	24	14	-	10
86	-	10	48.5	-	27	12	-	9
85	-	11	48'	-	27	10	-	9
84	-	11	47	-	22	8	-	9
82	-	11	46	-	17	6	-	10
80	-	8	45	-	14	4	-	10
78	-	8	44	-	14	2	-	9
76	-	9	43	-	14	0	-	10
74	-	10	42	-	18			
72	-	12	41	-	18			
71	-	12	40	-	23			
70	-	12	39	-	17			
69	-	12	38	-	16			
68	-	12	37	-	20			
66	-	12	36	-	14			
64	-	12	35	-	12			
62	-	12	34	-	10			
60	-	12	32	-	14			
58	-	8	30	-	10			
56	-	12	28	-	10			
55	-	20	26	-	8			

HOLE #4

Zero (in: 0
(out: 3

Calib.(in: 50) 4th Scale
(out: 48)

June 7, 1957

Collar Elev.: 6010.2

Depth to Granite: 70'

Depth	Reading	Depth	Reading	Depth	Reading
75.5	6	51	24	34	11
74	6	50.5	25	33	9
72	6	50	25	32	9
70	6	49.5	25	31	10
68	6	49	27	30	15
66	6	48.5	30	29	20
65	11	48	31	28	16
64.5	19	47.5	38	27	18
64	20	47	47	26	20
63.5	26	46.5	48	25	21
63	30	46	43	24	22
62.5	29	45.5	34	23	22
62	26	45	26	22	17
61.5	22	44.5	25	21	10
61	17	44	23	19	10
60.5	14	43.5	20	17	9
60	12	43	20	15	8
58	10	42.5	19	13	12
56	11	42	18	12	9
55	13	41	15	10	8
54	16	40	15	8	7
53.5	19	39	15	6	7
53	22	38	15	4	7
52.5	22	37	14	2	6
52	25	36	14	0	8
51.5	24	35	11		

HOLE #5

Zero (in: 0 (out: 1) Calib. (in: 50) (out: 49) 4th scale June 8, 1957

Cellar Elev: 6011.1 Depth to Granite: 86'

Depth	Reading		Depth	Reading		Depth	Reading
96	- 8		69	- 14		37	- 17
95	- 9		68	- 12		36	- 14
94	- 4		66	- 8		35	- 12
92	- 3		64	- 7		34	- 11
90	- 2		62	- 13		32	- 10
88	- 3		61	- 14		30	- 10
86	- 4		60	- 16		28	- 7
84	- 2		59	- 16		26	- 4
82	- 4		58	- 12		24	- 7
80	- 4	4th Scale	57	- 10		22	- 8
78	- 6		56	- 10		20	- 5
77	- 13		54	- 10	4th Scale	18	- 4
76.5	- 19 - 5		52	- 9		16	- 9
76	- 38 - 7.5		50	- 10		14	- 10
75.5	- 48 -10		49	- 13		12	- 10
75	- 56 -11		48	- 20 - 4		10	- 10
74.5	- 67 -12.5		47	- 22 - 4		8	- 10
74	- 64 -12		46	- 24 - 5		6	- 10
73.5	- 56 -11		45	- 22 - 4		4	- 10
73	- 43 - 9		44	- 19 - 3.5		2	- 10
72.5	- 35 - 7		43	- 16		0	- 10
72	- 31 - 6.5		42	- 18			
71.5	- 28 - 6		41	- 16			
71	- 28 - 5.5		40	- 18			
70.5	- 20 - 4.		39	- 19			
70	- 16 - 3.5		38	- 20			

HOLE #6

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 48) 4th Scale June 8, 1957

Collar Elev.: 6010.9

Depth to Granite: 76'

Depth	Reading
87	5
86	5
84	4
82	5
80	4
78	4
76	4
74	4
72	8
71	14
70.5	18
70	19
69.5	20
69	21
68.5	22
68	20
67.5	20
67	16
66.5	14
66	13
65	12
64	12
63	14
62	16
61	16

Depth	Reading	4th Scale
60	18	4
59.5	19	4.5
59	21	5.
58.5	26	6.
58	35	7.5
57.5	42	9.
57	48	10.
56.5	47	10.
56.	40	8.
55.5	30	6.
55	20	4.
54.5	14	
54	10	
52	7	
50	7	
48	5	
46	6	
44	6	
42	5	
40	5	
38	4	
36	4	
34	5	
32	5	
30	4	

Depth	Reading
28	4
26	4
24	4
22	4
20	4
18	4
16	5
14	4
12	5
10	5
8	4
6	4
4	4
2	4
0	4

HOLE #7

Zero (in: 0 (out: 0 Calib.(in: 50) (out: 47) 4th Scale June 8, 1957

Collar Elev.: 6006.9 Depth to Granite: 68'

Depth		Reading	Depth		Reading
77	-	1	42	-	0
76	-	1	40	-	0
74	-	1	38	-	0
72	-	1	36	-	0
70	-	1	34	-	0
68	-	1	32	-	0
66	-	1	30	-	0
64	-	5	28	-	0
63	-	1	26	-	0
62	-	1.5	24	-	0
61	-	3	22	-	0
60	-	9	20	-	0
59	-	9	18	-	0
58	-	6	16	-	1
57	-	5	14	-	1
56	-	6	12	-	1
55	-	5	10	-	1
54	-	3.5	8	-	1
53	-	3	6	-	0
52	-	2	4	-	0
50	-	1	2	-	0
48	-	0	0	-	0
46	-	0			
44	-	0			

Note: All readings on 4th Scale

HOLE #8

Zero (in: 0, out: 1)

Calib. (in: 50, out: 50)

4th Scale

June 8, 1957

Collar Elev: 5998.1

Depth to Granite: 80'

Depth	Reading	Depth	Reading	Depth	Reading
88.5	4	69	39	28	6
88	5	68.5	37	26	7
86	5	68	34	24	7
84	5	67.5	29	22	6
82	5	67	25	20	6
80	6	66.5	24	18	5
79	10	66	18	16	5
78	18	65	11	14	5
78.5	25	64	11	12	5
78.0	37	62	9	10	5
77.5	30	60	7	8	5
77	20	58	8	6	4
76.5	20	56	8	4	4
76	20	54	8	2	5
75.5	20	52	6	0	4
75	22	50	6		
74.5	25	48	6		
74	23	46	6		
73.5	23	44	6		
73	26	42	6		
72.5	30	40	5		
72	32	38	4		
71.5	40	36	4		
71	38				
70.5	37	34	4		
70	44	32	6		
69.5	50	30	6		

HOLE #9

Zero (in: 0 (out: 1) Calib. (in: 50) (out: 47) 4th Scale June 9, 1957

Collar Elev: 5993.8 Depth to Granite: 46'

Depth	Reading	Depth	Reading
55	4	32.5	29
54	4	32	32
52	3	31.5	24
50	2	31	20
48	3	30.5	14
46	6	30	12
44	8	28	8
43	10	26	8
42	10	24	7
41	17	22	8
40.5	23	20	8
40.	25	18	6
39.5	31	16	6
39	38	14	5
38.5	45	12	4
38	32	10	4
37.5	28	8	4
37	28	6	4
36.5	30	4	4
36	30	2	2
35.5	27	0	1
35	25		
34.5	24		
34	23		
33.5	24		
33	22		

HOLE #10

Zero (in: 0
(out: 0

Calib. (in: 50) 4th Scale June 10, 1957
(out: 48)

Collar Elev.: 5995.1

Depth To Granite: 16'

Depth		Reading
23	-	3
22	-	2
20	-	1
18	-	3
16	-	3
14	-	3
12	-	4
10	-	4
8	-	2
6	-	2
4	-	2
2	-	1
0	-	1

HOLE #11

Zero (in: 0 (out: 1 Calib. (in: 50) (out: 49) 4th Scale June 10, 1957

Collar Elev: 5997.1 Depth to Granite: 50'

Depth		Reading	Depth		Reading
57.5	-	3	26	-	8
57	-	3	24	-	8
56	-	3	22	-	7
54	-	3	20	-	7
52	-	9	18	-	6
51	-	13	16	-	5
50	-	10	14	-	6
48	-	7	12	-	8
46	-	6	10	-	5
44	-	11	8	-	6
43	-	12	6	-	6
42	-	16	4	-	5
41.5	-	23	2	-	4
41	-	26	0	-	3
40.5	-	26			
40	-	22			
39.5	-	15			
39	-	14			
38	-	16			
37	-	10			
36	-	9			
34	-	6			
32	-	8			
30	-	14			
28	-	12			

HOLE #12

Zero (in: 0 (out: 0 — Calib. (in: 50) (out: 47) 4th Scale — June 10, 1957

Cellar Elev.: 6000.3 — Depth to Granite: 84'

Depth	Reading			Depth	Reading			Depth	Reading	
97.5	2			66.5	22	5		40	6	
97	2			66	22	5		38	8	
96	2			65.5	19	4		36	6	
94	1			65	15	3		34	6	
92	1			64.5	10			32	6	
90	1			64	8			30	6	
88	2			62	6			28	12	
86	6			60	4			27	17	3.5
84	6			58	4		4th Scale	26.5	20	4
82	5			56	4			26	22	5
80	6			54	4			25.5	18	4
78	5			52	7			25	13	3
76	6		4th Scale	51.5	15			24	8	
74	6			51	29			22	5	
72	7			50.5	32			20	3	
71	13			50	30			18	3	
70.5	25	6		49.5	30			16	3	
70	48	10.5		49	18			14	3	
69.5	68	16		48.5	14			12	2	
69	78	18		48	12			10	3	
68.5	44	9		47	10			8	3	
68	35	8		46	8			6	3	
67.5	28	5		44	8			4	3	
67	19	4		42	9			2	4	
								0	3	

HOLE #13

Zero (in: 0
(out: 1

Calib. (in: 50) 4th Scale June 10, 1957
(out: 49)

Collar Elev.: 6004.5

Depth to Granite: 82'

Depth	Reading
93	2
92	2
90	2
88	2
86	2
84	4
82	5
80	5
78	5
76	6
74	5
72	10
70	7
68	6
66	6
64	4
62	4
60	4
58	4
56	6
54	6
52	6
50	4
48	4
46	4

Depth	Reading
44	4
42	4
40	3
38	4
36	4
34	4
32	2
30	2
28	2
26	1
24	1
22	2
20	2
18	2
16	3
14	2
12	2
10	2
8	2
6	2
4	2
2	2
0	2

HOLE #14

Zero (in: 0
(out: 0

Calib. (in: 50) 4th Scale June 11, 1957
(out: 48)

Collar Elev.: 6009.4'

Depth to Granite: 96'

Depth	Reading	Depth	Reading	Depth	Reading
104	2	54	2	4	1
102	2	52	1	2	1
100	2	50	1	0	0
98	2	48	1		
96	5	46	2		
94	7	44	1		
92	6	42	2		
90	8	40	4		
88	7	38	2		
86	5	36	3		
84	5	34	2		
82	4	32	2		
80	4	30	2		
78	6	28	2		
76	7	26	2		
74	5	24	2		
72	6	22	2		
70	4	20	2		
68	5	18	2		
66	6	16	2		
64	6	14	2		
62	6	12	2		
60	4	10	2		
58	4	8	2		
56	2	6	1		

HOLE #15

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 48) 4th Scale June 11, 1957

Collar Elev.: 6015.6' Depth to Granite: 104'

Depth	Reading	Depth	Reading	Depth	Reading
112	4	68	5	18	3
110	4	66	10	16	2
108	4	64	4	14	2
106	3	62	2	12	2
104	4	60	4	10	2
102	2	58	4	8	3
100	4	56	4	6	4
98	4	54	4	4	3
96	4	52	4	2	3
94	4	50	2	0	2
92	4	48	4		
90	4	46	4		
88	3	44	4		
86	3	42	3		
84	4	40	4		
82	4	38	2		
80	4	36	4		
78	8	34	2		
77	25	32	2		
76.5	38	30	2		
76	32	28	2		
75	20	26	3		
74	14	24	2		
72	12	22	2		
70	8	20	2		

HOLE #16

Zero (in: 0
(out: 1

Calib. (in: 50) 4th Scale June 11, 1957
(out: 48)

Collar Elev: 6021.6'

Depth to Granite: 106'

Depth	Reading	Depth	Reading	Depth	Reading
117.5	4	70	10	24	3
116	4	69	10	22	3
114	4	68	10	20	3
112	4	67	8	18	2
110	4	66	7	16	4
108	4	64	5	14	3
106	4	62	3	12	4
104	5	60	4	10	4
102	5	58	6	8	3
100	5	56	4	6	3
98	5	54	5	4	4
96	4	52	4	2	3
94	4	50	4	0	4
92	5	48	3		
90	4				
88	3	46	4		
86	4	44	3		
84	4	42	5		
82	4	40	3		
80	3	38	3		
78	3	36	2		
76	3	34	2		
74	7	32	2		
73	17	30	3		
72	19	28	4		
71	12	26	4		

HOLE #17

Zero (in: 0 (out: 1 — Calib. (in: 50) (out: 48) 4th Scale — June 11, 1957

Collar Elev: 6025.0' — Depth to Granite: 106'

Depth	Reading		Depth	Reading	Depth	Reading
114	1		78	7	28	4
112	1		76	9	26	3
110	1		74	6	24	3
108	1		72	4	22	3
106	4	4th Scale	70	4	20	4
105	8		68	4	18	3
104	10		66	2	16	2
103	20	6	64	2	14	3
102	65	15	62	2	12	3
101		18	60	2	10	3
100	38	8	58	1	8	3
99	28	3	56	3	6	3
98	17	2	54	2	4	4
97	13		52	1	2	4
96	10		50	1	0	3
94	4		48	3		
92	5		46	2		
90	5		44	2		
88	16		42	4		
86	8		40	2		
84	10		38	1		
83	19		36	4		
82	20		34	3		
81	14		32	4		
80	9		30	3		

HOLE #18

Zero (in: 0
(out: 2

Calib. (in: 50) 4th Scale June 12, 1957
(out: 45)

Cellar Elev: 6025.8'

Depth to Granite: 130'

Depth	Reading	Depth	Reading	Depth	Reading
135	1	92	2	42	2
133	2	90	1	40	3
131	2	88	2	38	0
129	3	86	2	36	0
127	4	84	1	34	0
125	3	82	0	32	0
123	3	80	1	30	0
121	4	78	0	28	0
119	2	76	1	26	3
117	4	74	1	24	2
116	11	72	1	22	4
115	31	70	0	20	5
114	53	68	0	18	5
113	40	66	1	16	5
112	24	64	0	14	4
111	12	62	0	12	4
110	4	60	3	10	3
108	0	58	1	8	3
106	0	56	0	6	1
104	0	54	0	4	1
102	2	52	1	2	0
100	2	50	0	0	0
98	1	48	0		
96	1	46	0		
94	3	44	0		

HOLE #19

Zero (in: 0
(out: 1

Calib. (in: 50)
(out: 50)

4th Scale June 12, 1957

Depth to Granite: 140'

Collar Elev. 6023.8'

Depth	Reading		
155	5		
153	3		
151	5		
149	4		
147	4		
145	1		
143	4		
141	12		
140	21		
139.5	37		
139	60		
138.5		24	
138		42	
137.5		92	
137.			56
136.5			69
136			68
135.5			50
135		80	
134.5		56	
134		41	
133.5		29	
133		30	
132.5		24	
132		18	

Depth	Reading	
131.5	[illegible]	14
131	[illegible]	10
130.5	43	
130	35	
129.5	28	
129	22	
128.5	13	
128	13	
127	11	
126	9	
125	7	
123	13	
121	16	
119	9	
117	17	
116	17	
115	18	
114	34	
113	60	
112.5	89	
112		24
111.5		15
111	44	
110.5	31	
110	28	

HOLE #19 Continued

Depth		Reading	Depth		Reading	Depth		Reading
109.5	-	20	57	-	1	3	-	1
109	-	13	55	-	0	1	-	2
108	-	8	53	-	0	0	-	2
106	-	5	51	-	0			
103	-	4	49	-	1			
101	-	4	47	-	0			
99	-	3	45	-	1			
97	-	4	43	-	0			
95	-	2	41	-	1			
93	-	1	39	-	0			
91	-	0	37	-	0			
89	-	0	35	-	2			
87	-	0	33	-	0			
85	-	0	31	-	0			
83	-	0	29	-	0			
81	-	1	27	-	0			
79	-	0	25	-	1			
77	-	0	23	-	3			
75	-	1	21	-	3			
73	-	4	19	-	3			
71	-	3	17	-	2			
69	-	4	15	-	2			
67	-	3	13	-	2			
65	-	3	11	-	1			
63	-	0	9	-	2			
61	-	0	7	-	1			
59	-	1	5	-	1			

HOLE #20

Zero (in: 0 (out: 1 Calib. (in: 50) (out: 48) 4th Scale June 14, 1957

Collar Elev.: 6020.2 Depth to Granite: 100' (?)

Depth	Reading	Depth	Reading	Depth	Reading
166	0	122	4	72	4
164	0	120	3	70	2
162	0	118	0	68	0
160	0	116	0	66	2
158	0	114	0	64	2
156	0	112	0	62	0
154	2	110	0	60	1
152	0	108	0	58	0
150	0	106	0	56	0
148	0	104	4	54	0
146	0	102	5	52	0
144	0	100	2	50	0
142	0	98	0	48	2
140	0	96	0	46	3
138	0	94	0	44	0
136	2	92	2	42	0
134	13	90	0	40	0
133	24	88	0	38	0
132	56	86	0	36	2
131	20	84	0	34	2
130	11	82	0	32	0
129	6	80	0	30	0
128	6	78	2	28	0
126	4	76	2	26	0
124	4	74	2	24	0

HOLE #20 - Continued

Depth		Reading
22	-	2
20	-	5
18	-	2
16	-	6
15	-	8
14	-	10
13	-	10
12	-	10
10	-	4
8	-	2
6	-	2
4	-	1
2	-	2
0	-	0

HOLE #21

Zero (in: 0 (out: 1 Calib. (in: 50) (out; 48) 4th Scale June 13, 1957

Collar Elev.: 6015.6 Depth to Granite: 160'

Depth	Reading					
184	6					
182	6					
180	5					
178	3					
176	2					
174	1					
172	0					
170	0					
168	0					
166	0					
164	0					
162	13					
161	10					
160	6					
159	8					
158	13					
157	38					
156			22			
155			22			
154.5			24			
154			26			
153.5			33			
153			33			
152.5			53			
152					48	
151.5					68	

4th Scale

3rd Scale

Depth	Reading					
151						42
150.5				58		
150				31		
149.5				24		
149				19		
148.5				16		
148		58				
147.5		40				
147		28				
146.5		26				
146		20				
145		30				
144.5		40				
144		33				
143.5		36				
143		51				
142.5		25				
142		19				
141		15				
140		15				
139		15				
138		12				
136		12				
134		10				
132		6				

4th Scale

3rd Scale

HOLE #21 - Continued

Depth	Reading	Depth	Reading	Depth	Reading
130	10	104	2	50	4
129.5	18	102	0	48	3
129	30	100	0	46	6
128.5	36	98	0	44	6
128	32	96	0	42	10
127.5	40	94	0	40	10
127	40	92	0	38	4
126.5	28	90	2	36	1
126	22	88	2	34	1
125.5	22	86	2	32	2
125	22	84	2	30	2
124.5	22	82	2	28	4
124	36	80	2	26	4
123.5	37	78	2	24	6
123	34	76	2	22	4
122.5	27	74	3	20	4
122	27	72	1	18	2
121.5	25	70	1	16	3
121	34	68	2	14	2
120	14	66	0	12	2
118	9	64	2	10	3
116	5	62	3	8	3
114	5	60	2	6	3
112	7	58	4	4	1
110	2	56	3	2	1
108	2	54	3	0	1
106	2	52	3		

HOLE #22

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 47) 4th Scale June 14, 1957

Collar Elev.: 6012.2 Depth to Granite: 162'

Depth	Reading		Depth	Reading	
178	0		153.5	40	10
176	0		153	30	
174	0		152.5	22	
172	2		152	19	
170	2		151.5	16	
168	3		151	18	
166	2		150	15	
164	3		149	14	
163	20		148	12	
162.5	58		146	10	
162		26	144	8	
161.5		30	142	6	
161		36	140	7	
160.5		37	138	8	
160		40	136	12	
159.5		39	134	14	
159		40	132	16	
158.5		35	130	20	
158		34	128	18	
157.5		30	126	16	
157		27	124	15	
156.5		22	122	10	
156		19			
155.5		18	120	10	
155		17	118	10	
154.5		14	116	10	
154		12	114	8	

HOLE #22 - Continued

Depth		Reading	Depth		Reading	Depth		Reading
112	-	5	56	-	6	2	-	3
110	-	4	54	-	6	0	-	3
108	-	4	52	-	5			
106	-	4	50	-	6			
104	-	4	48	-	4			
102	-	4	46	-	5			
100	-	4	44	-	4			
98	-	4	42	-	3			
96	-	4	40	-	4			
94	-	4	38	-	4			
92	-	4						
90	-	4	36	-	4			
88	-	4	34	-	4			
86	-	2	32	-	4			
84	-	4	30	-	4			
82	-	4	28	-	4			
80	-	4	26	-	3			
78	-	4	24	-	2			
76	-	4	22	-	2			
74	-	4	20	-	2			
72	-	4	18	-	3			
70	-	4	16	-	4			
68	-	4	14	-	4			
66	-	4	12	-	5			
64	-	6	10	-	5			
62	-	6	8	-	4			
60	-	6	6	-	4			
58	-	6	4	-	3			

HOLE #23

Zero (in: 0
(out: 0
Collar Elev.: 6008.0

Calib. (in: 50) 4th Scale June 15, 1957
(out: 50)
Depth to Granite: ?

No Cuttings after 132'

Depth	Reading	Depth	Reading	Depth	Reading	Depth	Reading
174	3	132	2	84	2	36	2
172	2	130	2	82	2	34	4
170	5	128	2	80	2	32	2
169	8	126	4	78	2	30	2
168	18	124	5	76	2	28	4
167	22	122	4	74	2	26	2
166	20	120	4	72	2	24	2
165	12	118	3	70	3	22	2
164	9	116	4	68	3	20	1
162	11	114	2	66	2	18	2
160	11	112	2	64	0	16	3
158	10	110	2	62	2	14	3
156	7	108	2	60	1	12	4
154	7	106	2	58	2	10	2
152	10	104	2	56	1	8	4
150	8	102	2	54	2	6	5
148	7	100	2	52	2	4	3
146	6	98	4	50	3	2	3
144	5	96	4	48	4	0	2
142	5	94	4	46	4		
140	3	92	3	44	3		
138	1	90	3	42	2		
136	2	88	3	40	1		
134	2	86	2	38	3		

HOLE #24

Zero (in: 0, out: 0) Calib. (in: 50, out: 49) 4th Scale June 15, 1957

Collar Elev.: 5998.5 Depth to Granite: 102'

Depth	Reading	Depth	Reading	Depth	Reading
122	2	84	26	44	2
120	2	83	18	42	4
118	2	82	13	40	4
116	2	80	6	38	5
114	0	78	4	36	3
112	1	77	12	34	5
110	1	76	18	32	4
108	1	75	30	30	6
106	1	74	29	28	4
104	1	73	30	26	4
102	2	72	30	24	3
100	1	71	32	22	2
98	2	70	13	20	5
96	2	68	9	18	5
95	12	66	8	16	5
94	18	64	3	14	4
93	58	62	3	12	4
92	85	60	3	10	3
91	62	58	3	8	4
90	60	56	6	6	4
89	53	54	4	4	4
88	54	52	5	2	2
87	58	50	6	0	2
86	38	48	4		
85	30	46	4		

HOLE #25

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 50) 4th Scale June 15, 1957

Collar Elev.: 6000.9 Depth to Granite: 82'

Depth	Reading	Depth	Reading	Depth	Reading
95	2	52	2	2	4
94	2	50	3	0	3
92	1	48	1		
90	2	46	0		
88	3	44	0		
86	2	42	2		
84	1	40	5		
82	0	38	3		
80	0	36	1		
78	0	34	3		
76	2	32	4		
74	5	30	4		
72	14	28	4		
70	16	26	3		
68	8	24	2		
66	7	22	2		
64	7	20	1		
62	8	18	2		
60	8	16	2		
58	6	14	2		
57	14	12	2		
56	40	10	1		
55	30	8	1		
54	12	6	4		
53	6	4	4		

HOLE #26

Zero (in: 0
(out: 0

Calib. (in: 50)
(out: 49)

June 16, 1957

Collar Elev.: 6004.7

Depth to Granite: 66'

Depth	Reading	Depth	Reading
86	2	48	4
84	2	46	3
82	2	44	2
80	2	42	2
78	2	40	2
76	2	38	4
74	2	36	3
72	3	34	2
70	8	32	3
68	14	30	2
67	18	28	3
66	30	26	4
65	36	24	4
64	32	22	6
63	30	20	8
62	20	18	6
61	16	16	8
60	13	14	6
58	14	12	7
56	22	10	6
55	28	8	6
54	17	6	6
53	14	4	5
52	6	2	4
50	4	0	3

HOLE #27

Zero (in: 0 (out: 1

Calib. (in: 50) (out: 50) 4th Scale June 24, 1957

Collar Elev.: 6037.9'

Depth to Granite: 165'

Depth	Reading	Depth	Reading	Depth	Reading
176	3	128	3	78	2
174	5	126	4	76	3
172	5	124	4	74	4
170	4	122	4	72	3
168	4	120	4	70	3
166	4	118	3	68	4
164	4	116	3	66	4
162	3	114	4	64	4
160	3	112	4	62	4
158	3	110	3	60	4
156	3	108	3	58	5
154	3	106	4	56	4
152	4	104	4	54	5
150	4	102	4	52	4
148	4	100	6	50	4
146	4	98	4	48	4
144	6	96	3	46	6
142	5	94	3	44	6
140	6	92	3	42	4
138	10	90	2	40	4
136	19	88	3	38	4
135	14	86	2	36	4
134	12	84	4	34	3
132	6	82	3	32	4
130	3	80	4	30	5

HOLE #27 - Continued

Depth		Reading
28	-	6
26	-	6
24	-	6
22	-	5
20	-	6
18	-	6
16	-	6
14	-	6
12	-	6
10	-	6
8	-	6
6	-	5
4	-	7
2	-	6
0	-	5

HOLE #28

Zero (in: 0
(out: 0

Collar Elev.: 6036.5

Calib. (in: 50) 4th Scale June 23, 1957
(out: 45)

Depth to Granite: 173'

Depth	Reading		
185	2		
184	3		
182	2		
180	3		
178	2		
176	2		
174	2		
172	2		
170	1		
168	3		
166	2		
164	5	4th Scale	
163	18		
162.5	34		
162			24
161.5			45
161			30
160	37		10
160.5			17
159	13		
158	7		
156	7		
154	6		
152	8		
150	6		

Depth	Reading
148	5
146	6
144	5
142	4
140	3
138	2
136	1
134	1
132	2
130	2
128	2
126	2
124	2
122	2
120	3
118	2
116	2
114	1
112	1
110	1
108	0
106	1
104	0
102	0
100	0

Depth	Reading
98	1
96	2
94	2
92	1
90	1
88	1
86	1
84	4
82	3
80	2
78	2
76	2
74	1
72	0
70	1
68	2
66	1
64	1
62	2
60	2
58	2
56	0
54	2
52	3
50	3

HOLE #28 - Continued

Depth		Reading
48	-	2
46	-	2
44	-	2
42	-	3
40	-	2
38	-	1
36	-	2
34	-	2
32	-	2
30	-	1
28	-	2
26	-	2
24	-	2
22	-	3
20	-	2
18	-	4
16	-	4
14	-	3
12	-	4
10	-	4
8	-	4
6	-	4
4	-	4
2	-	3
0	-	2

HOLE #29

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 52) 4th Scale June 23, 1957

Collar Elev.: 6032.7 Depth to Granite: 159'

Depth	Reading	Depth	Reading	Depth	Reading
174	2	144	8	94	8
172	3	142	6	92	1
170	3	140	7	90	1
168	2	138	6	88	0
166	4	136	6	86	0
164	4	134	4	84	1
162	2	132	2	82	2
160	4	130	2	80	2
159.5	16	128	3	78	2
159	31	126	3	76	0
158.5	44	124	3	74	0
158	32	122	3	72	0
157.5	20	120	1	70	2
157	17	118	2	68	0
156	14	116	1	66	1
154	14	114	1	64	1
153	25	112	0	62	0
152.5	20	110	0	60	0
152	35	108	1	58	1
151.5	19	106	0	56	0
151	17	104	0	54	2
150	17	102	2	52	2
149	10	100	1	50	1
148	10	98	3	48	0
146	7	96	2	46	1

HOLE #29 - Continued

Depth		Reading
44	-	1
42	-	1
40	-	2
38	-	2
36	-	0
34	-	1
32	-	2
30	-	0
28	-	0
26	-	2
24	-	6
22	-	4
20	-	3
18	-	2
16	-	4
14	-	5
12	-	3
10	-	2
8	-	4
6	-	2
4	-	3
2	-	3
0	-	2

HOLE #30

Zero (in: 0 (out: 0 Calib. (in: 50) (out: 50) 4th Scale June 22, 1957

Collar Elev.: 6027.5 Depth to Granite: 204'

Depth	Reading	Depth	Reading	Depth	Reading
207	3	172	16	122	6
206	3	170	8	120	5
204	2	168	8	118	4
202	3	166	8	116	4
200	3	164	6	114	4
198	3	162	7	112	4
196	5	160	8	110	4
194	6	158	8	108	4
192	6	156	8	106	4
190	6	154	6	104	4
189	17	152	6	102	4
188	26	150	7	100	3
187	57	148	5	98	4
186.5	50	146	4	96	4
186	44	144	4	94	4
185.5	37	142	4	92	4
185	32	140	4	90	4
184	26	138	4	88	4
183	22	136	4	86	4
182	18	134	5	84	4
180	16	132	7	82	4
178	16	130	6	80	4
176	16	128	4	78	4
174	24	126	4	76	4
173	36	124	6	74	4

HOLE #30 - Continued

Depth		Reading
72	-	5
70	-	4
68	-	5
66	-	4
64	-	4
62	-	6
60	-	11
58	-	14
56	-	14
54	-	12
52	-	9
50	-	9
48	-	9
46	-	6
44	-	5
42	-	4
40	-	4
38	-	4
36	-	5
34	-	4
32	-	6
30	-	6
28	-	6
26	-	4
24	-	4
22	-	4
20	-	4

Depth		Reading
18	-	5
16	-	6
14	-	6
12	-	6
10	-	5
8	-	7
6	-	6
4	-	7
2	-	6
0	-	4

HOLE #31

Zero (in: 0 (Out: 0) Calib. (in: 50) (out: 50) June 22, 1957

Collar Elev.: 6022.7' Depth to Granite: 220'

Depth	Reading		Depth	Reading		Depth	Reading	
236	8		208	10		164	4	
234	6		206	14		162	5	
232	4		204	12		160	5	
230	4		202	8		158	6	
228	4		200	9		156	6	
226	3		198	8		154	10	
224	5		196	8		153	22	4th Scale
222	5		194	8		152.5	26	
220	3		192	9		152	52	
218	4	4th Scale	190	6		151.5	36	
217.5	16		188	10		151	27	
217	40		187	24		150.5	17	
216.5	34		186	24		150	31	
216	44		185	20		149	16	
215.5	36		184	20		148	10	
215	29		183	15		146	8	
214.5	12		182	10		144	8	
214	31		180	8		142	7	
213.5	38		178	7		140	5	
213	38		176	6		138	4	
212.5	43		174	5		136	4	
212	29		172	9		134	3	
211.5	21		170	8		132	2	
211	15		168	8		130	2	
210	10		166	8		128	3	

HOLE #31 - Continued

Depth		Reading	Depth		Reading	Depth		Reading
126	-	3	72	-	3	18	-	5
124	-	3	70	-	4	16	-	5
122	-	4	68	-	5	14	-	5
120	-	3	66	-	4	12	-	5
118	-	3	64	-	5	10	-	5
116	-	2	62	-	5	8	-	5
114	-	2	60	-	4	6	-	6
112	-	2	58	-	4	4	-	5
110	-	2	56	-	5	2	-	6
108	-	2	54	-	5	0	-	5
106	-	2	52	-	4			
104	-	2	50	-	4			
102	-	4	48	-	5			
100	-	4	46	-	6			
98	-	4	44	-	5			
96	-	6	42	-	4			
94	-	7	40	-	4			
92	-	5	38	-	6			
90	-	5	36	-	5			
88	-	4	34	-	5			
86	-	4	32	-	6			
84	-	4	30	-	6			
82	-	4	28	-	5			
80	-	4	26	-	5			
78	-	4	24	-	5			
76	-	4	22	-	4			
74	-	3	20	-	3			

HOLE #32

Zero (in: 0 (out: 0

Calib. (in: 50) (out: 50) 4th Scale June 21, 1957

Cellar Elev.: 6018.7'

Depth to Granite: 216'

Depth	Reading
237.5	0
236	1
234	2
232	2
230	1
228	1
226	0
224	0
222	0
220	0
218	5
216	5
214	11
212	14
210	9
208	13
206	10
204	4
202	5
200	6
198	8
196	9
194	5
192	8
190	6

Depth	Reading
188	8
186	6
184	4
182	3
180	3
178	3
176	4
174	5
172	7
170	10
168	5
166	3
164	3
162	2
160	2
158	8
156	6
154	5
152	5
150	4
148	5
146	5
144	3
142	4
140	2

Depth	Reading
138	4
136	2
134	1
132	1
130	2
128	2
126	2
124	3
122	3
120	3
118	4
116	3
114	3
112	2
110	2
108	5
106	5
104	4
102	4
100	4
98	6
96	5
94	4
92	4
90	4

Hole #32 - Continued

Depth		Reading	Depth		Reading
88	-	2	34	-	3
86	-	2	32	-	4
84	-	2	30	-	5
82	-	3	28	-	4
80	-	3	26	-	4
78	-	4	24	-	2
76	-	4	22	-	2
74	-	3	20	-	2
72	-	2	18	-	3
70	-	3	16	-	2
68	-	3	14	-	3
66	-	4	12	-	2
64	-	3	10	-	2
62	-	3	8	-	2
60	-	2	6	-	3
58	-	4	4	-	4
56	-	3	2	-	2
54	-	2	0	-	2
52	-	2			
50	-	2			
48	-	2			
46	-	3			
44	-	2			
42	-	4			
40	-	2			
38	-	3			
36	-	4			

HOLE #31

Sheet 1 of 2

Date: June 26, 1957

Zero (in: 0 / out: X)

Calib: (in: 50 / out:) 4th Scale

Collar Elev.: 6044.5

Depth to Granite: 228'

Depth	Reading	Depth	Reading	Depth	Reading	Depth	Reading
238	4	203	27	161	4	117	5
237	4	202	26	159	6	115	4
235	3	201	22	157	4	113	5
233	2	199	11	155	4	111	5
231	2	197	10	153	3	109	4
229	2	195	13	151	3	107	4
227	2	193	6	149	5	105	4
225	4	191	8	147	4	103	5
223	8	189	5	145	3	101	6
221	10	187	5	143	3	99	5
219	21	185	4	141	3	97	5
218	30	183	4	139	3	95	4
217	42	181	3	137	3	93	4
216	35	179	6	135	2	91	4
215	30	177	8	133	3	89	5
214	19	175	5	131	3	87	5
213	12	173	5	129	3	85	6
211	8	171	3	127	3	83	4
209	6	169	4	125	4	81	4
207	8	167	4	123	4	79	6
205	15	165	4	121	4	77	4
204	34	163	3	119	5	75	5

HOLE #31

Depth		Reading	Depth		Reading
73	-	4	25	-	4
71	-	4	23	-	3
69	-	5	21	-	3
67	-	5	19	-	4
65	-	6	17	-	4
63	-	6	15	-	5
61	-	7	13	-	4
59	-	7	11	-	4
57	-	4	9	-	5
55	-	5	7	-	5
[illegible]	-	4	5	-	4
51	-	6	3	-	4
49	-	6	1	-	6
47	-	4	0	-	5
45	-	4			
43	-	5			
41	-	4			
39	-	3			
37	-	4			
35	-	4			
33	-	5			
31	-	5			
29	-	4			
27	-	4			

HOLE #34

Zero (in: 0 (out: 0

Calib. (in: 50) (out: 50) 4th Scale

Date: June 26, 1957

Collar Elev: 6045.7

Depth to Granite: 246'

Depth	Reading	Depth	Reading	Depth	Reading	Depth	Reading
266	3	220	8	174	6	128	6
264	3	218	9	172	8	126	6
262	3	216	8	170	8	124	5
260	3	214	6	168	10	122	5
258	3	212	6	166	10	120	4
256	3	210	6	164	9	118	5
254	3	208	6	162	7	116	5
252	4	206	6	160	7	114	6
250	4	204	6	158	7	112	5
248	5	202	12	156	7	110	8
246	4	200	14	154	7	108	6
244	4	198	8	152	6	106	5
242	6	196	8	150	5	104	5
240	6	194	5	148	5	102	5
238	7	192	6	146	5	100	5
236	8	190	10	144	5	98	4
234	11	188	7	142	5	96	5
232	10	186	7	140	6	94	6
230	9	184	7	138	8	92	6
228	9	182	8	136	6	90	6
226	8	180	5	134	5	88	5
224	9	178	8	132	5	86	5
222	9	176	8	130	6	84	6

HOLE #34

Depth	Reading	Depth	Reading
82	6	36	5
80	5	34	6
78	5	32	5
76	5	30	4
74	5	28	4
72	4	26	5
70	6	24	5
68	5	22	4
66	5	20	6
64	4	18	4
62	4	16	4
60	5	14	5
58	6	12	5
56	5	10	5
54	4	8	5
52	5	6	6
50	4	4	6
48	5	2	5
46	5	0	5
44	5		
42	5		
40	5		
38	5		

HOLE #35

Zero {in: 0 / out: 1} Calib. {in: 50 / out: 45} 4th Scale Date: June 27, 1957

Collar Elev: 6028.7 Depth to Granite: 244'

Depth	Reading	Depth	Reading	Depth	Reading	Depth	Reading
266	0	230	17	184	0	138	0
264	0	228	9	182	0	136	0
262	0	226	9	180	1	134	0
260	6	224	6	178	1	132	0
258	8	222	6	176	0	130	0
256	6	220	5	174	0	128	1
254	7	218	3	172	0	126	5
252	5	216	2	170	0	124	7
250	5	214	1	168	0	122	6
[illegible]	2	212	2	166	0	120	7
246	4	210	2	164	1	118	3
244	3	208	2	162	1	116	3
242	3	206	1	160	1	114	2
240	3	204	3	158	1	112	1
238	4	202	4	156	0	110	1
236	12	200	3	154	0	108	1
235	17	198	2	152	0	106	1
234	30	196	2	150	1	104	0
233.5	38	194	2	148	1	102	1
233	34	192	2	146	2	100	0
232.5	31	190	1	144	2	98	0
232	25	188	1	142	2	96	0
231	23	186	1	140	1	94	0

HOLE #35

Depth	Reading	Depth	Reading
92	1	44	0
90	0	42	1
88	1	40	1
86	3	38	1
84	2	36	1
82	1	34	1
80	1	32	1
78	1	30	1
76	1	28	1
74	1	26	1
72	1	24	1
70	1	22	2
68	0	20	2
66	0	18	1
64	0	16	1
62	0	14	1
60	0	12	1
58	0	10	1
56	0	8	1
54	1	6	1
52	1	4	1
50	0	2	1
48	0	0	0
46	0		

HOLE #36

Zero: (in: 0
(out: 0

Collar Elev: 6025.9

Calib. (in: 50)
(out: 55) 4th Scale

Sheet 1 of 2

Date: July 1, 1957

Depth to Granite: 360'

Depth	Reading
306	4
305	2
303	2
301	2
299	3
297	2
295	3
293	2
291	2
289	3
287	2
285	2
283	1
281	1
279	1
277	3
275	4
273	4
271	3
269	3
267	15
[illegible]	24
265	28

Depth	Reading
264	29
263	26
262	19
261	14
260	14
259	10
257	11
255	10
253	5
251	5
249	5
247	8
245	7
243	6
241	8
239	8
238	16
237	47
236	30
235	46
234	38
233	29
232	26

4th Scale

Depth	Reading
231	31
230	30
229	28
228	20
227	26
226	18
225	15
224	9
223	10
221	7
219	7
217	8
215	9
213	13
211	8
209	4
207	3
205	3
203	3
201	4
199	6
197	4
195	3

4th Scale

Depth	Reading
193	2
191	2
189	2
187	2
185	3
183	5
181	3
179	3
177	2
175	2
173	4
171	2
169	3
167	4
165	2
163	4
161	2
159	3
157	1
155	1
153	2
151	1
149	0

HOLE #36

Depth	Readings
147	1
145	1
143	2
141	1
139	2
137	2
135	2
133	2
131	2
129	2
127	2
125	2
123	2
121	1
119	1
117	1
115	1
113	1
111	1
109	2
107	4
105	4
103	3
101	3
99	4
97	3
95	4
93	3
91	5
89	5
87	4
85	5
83	3
81	4
79	3
77	2
75	3
73	3
71	4
69	2
67	2
65	3
63	3
61	3
59	3
57	3
55	4
53	4
51	4
49	4
47	4
45	4
40	4
38	4
36	4
34	3
32	6
30	4
28	3
26	4
22	5
20	4
18	4
16	4
14	3
12	3
10	4
8	3
6	3
4	6
2	6
0	5

HOLE #37

Zero (in: 0, out: 0)

Calib. (in: 50, out: 48) 4th Scale

Date: June 30, 1957

Depth to Granite: 347

Depth	Readings
357.5	2
357	2
356	2
354	3
352	3
350	1
348	1
346	2
344	5
342	5
340	5
338	18
337	25
336	10
335	7
334	8
332	9
330	10
329.5	25
329	40
328.5	28
328	46
327.5	54
327	54

4th Scale

Depth	Readings
326.5	46
325.5	34
325	20
324.5	11
324	26
323	16
322	6
321	6
320	4
318	4
316	4
314	4
312	4
310	2
308	2
306	2
304	4
302	4
300	6
298	4
296	4
294	7
292	7
290	6

4th Scale

Depth	Readings
288	7
286	7
284	8
282	8
280	12
278	10
276	9
274	18
272	16
270	11
268	13
266	10
264	7
262	7
260	8
258	7
256	5
254	5
252	5
250	5
248	4
246	4
244	7
242	6

Depth	Readings
240	5
238	7
236	5
234	2
232	3
230	4
228	4
226	4
224	3
222	2
220	4
218	6
216	5
214	4
212	4
210	3
208	2
206	3
204	3
202	3
200	4
198	3
196	4
194	4

HOLE #37

Depth	Readings
192	2
190	3
188	4
186	3
184	4
182	5
180	10
178	9
176	8
174	4
172	4
170	4
168	4
166	4
164	5
162	5
160	3
158	3
156	4
154	2
152	5
150	5
148	4
146	4
144	4

Depth	Readings
142	4
140	4
138	4
136	5
134	4
132	4
130	4
128	5
126	5
124	4
122	5
120	4
118	4
116	4
114	4
112	3
110	4
108	5
106	2
104	3
102	4
100	3
98	4
96	5
94	4

Depth	Readings
92	4
90	2
88	3
86	4
84	4
82	2
80	3
78	3
76	3
74	3
72	3
70	3
68	5
66	4
64	3
62	2
60	4
58	3
56	4
54	2
52	2
50	3
48	4
46	3
44	4

Depth	Readings
42	3
40	4
38	4
36	4
34	5
32	4
30	4
28	5
26	3
24	3
22	3
20	3
18	4
16	5
14	4
12	4
10	4
8	4
6	2
4	3
2	4
0	4

HOLE #38

Sheet 1 of 2

Zero (in: 0
(out: 0

Calib. (in: 50)
(out: 60) 4th Scale

Date: July 8, 1957

Collar Elev: 6016.3

Depth to Granite: 308'

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
374	2	330	0	299.5	23	258	2
372	1	328	0	299	15	256	2
370	2	326	0	298	15	254	2
368	2	324	0	296	15	252	2
366	1	322	1	294	14	250	2
364	1	320	0	292	12	248	2
362	2	318	2	290	8	246	2
360	1	316	1	288	8	244	2
358	1	314	0	286	7	242	3
356	1	312	0	284	6	240	4
354	0	310	3	282	5	238	5
352	1	308	3	280	4	236	7
350	1	306	2	278	4	234	10
348	0	304	8	276	4	232	12
346	1	303.5	31	274	2	230	8
344	0	303	-23-	272	3	228	4
342	1	302.5	-60-	270	4	226	2
340	1	302	-78-	268	3	224	4
338	1	301.5	-48-	266	2	222	3
336	0	301	-23-	264	2	220	1
334	0	300.5	-37-	262	2	218	1
332	0	300	54 -14-	260	1	216	1

4th Scale

3rd Scale

HOLE #38

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
214	2	168	2	122	2	76	2
212	2	166	2	120	2	74	2
210	4	164	1	118	2	72	1
208	1	162	1	116	4	70	2
206	2	160	2	114	2	68	2
204	4	158	4	112	4	66	2
202	2	156	4	110	3	64	2
200	4	154	4	108	4	62	2
198	4	152	4	106	4	60	4
196	3	150	2	104	3	58	3
194	2	148	2	102	4	56	2
192	3	146	2	100	3	54	2
190	3	144	3	98	2	52	2
188	2	142	3	96	2	50	3
186	2	140	2	94	2	48	2
184	2	138	2	92	5	46	3
182	2	136	4	90	5	44	3
180	3	134	3	88	2	42	3
178	5	132	4	86	4	40	3
176	4	130	2	84	2	38	3
174	2	128	3	82	2	36	3
172	4	126	1	80	2	34	3
170	1	124	2	78	3	32	3
		122					

HOLE #38

Depth		Readings
30	-	4
28	-	4
26	-	4
24	-	4
22	-	3
20	-	4
18	-	2
16	-	3
14	-	3
12	-	3
10	-	3
8	-	3
6	-	3
4	-	3
2	-	3
0	-	3

HOLE #39

Sheet 1 of 2

Zero (in: 0
(out: 1

Calib. (in: 50)
(out: 47) 4th Scale

Date: July 2, 1957

Collar Elev: 5997.9

Depth to Granite: 224'

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
262	0	223	1	178	2	130	1
260	0	221	0	176	2	128	2
258	1	219	0	174	0	126	2
256	0	217	0	172	0	124	2
255	0	215	0	170	1	122	1
251	0	213	0	168	0	120	0
249	0	211	0	166	1	118	0
247	0	209	0	164	0	116	1
245	0	207	0	162	0	114	0
243	0	205	0	160	0	112	0
241	1	203	0	158	0	110	0
239	1	201	1	156	0	108	2
237	2	199	1	154	0	106	0
235	5	198	0	152	0	104	1
234	27	196	0	150	0	102	1
233	58	194	0	148	1	100	1
232	60	192	0	146	3	98	2
231	32	190	0	144	2	96	1
230	17	188	0	142	3	94	0
229	9	186	0	140	1	92	0
228	4	184	5	138	2	90	0
227	2	182	4	136	2	88	0
225	2	180	4	134	3	86	1
				132	3		

Depth	Readings	Depth	Readings
84	1	36	0
82	1	34	0
80	0	32	2
78	9	30	0
76	1	28	2
74	1	26	2
72	1	24	0
70	0	22	1
68	0	20	0
66	1	18	0
64	0	16	1
62	2	14	0
60	1	12	0
58	1	10	0
56	0	8	1
54	0	6	1
52	0	4	2
50	0	2	2
48	1	0	0
46	1		
44	1		
42	1		
40	0		
38	0		

HOLE #40

Zero (in: 0 (out: 0

Calib. (in: 50) (out: 52) 4th Scale

Date: July 9, 1957

Collar Elev: 5987.8

Depth to Granite: 328'

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
345	4	300	6	254	2	208	6
344	4	298	5	252	2	206	6
342	4	296	5	250	2	204	6
340	3	294	4	248	3	202	5
338	3	292	4	246	4	200	5
336	3	290	3	244	8	198	5
334	2	288	3	242	17	196	4
332	1	286	3	240	13	194	5
330	2	284	3	238	12	192	6
328	2	282	2	236	8	190	5
326	5	280	3	234	8	188	5
324	6	278	3	232	6	186	5
322	8	276	3	230	5	184	4
320	5	274	3	228	4	182	4
318	5	272	4	226	4	180	7
316	4	270	4	224	4	178	7
314	4	268	4	222	4	176	6
312	7	266	4	220	6	174	6
310	5	264	5	218	4	172	8
308	7	262	4	216	5	170	8
306	7	260	3	214	4	168	8
304	5	258	2	212	6	166	9
302	5	256	2	210	6	164	8

HOLE #40

Depth	Readings
162	6
160	7
158	8
156	7
154	6
152	7
150	7
148	7
146	4
144	4
142	4
140	4
138	3
136	3
134	3
132	6
130	6
128	4
126	3
124	4
122	4
120	4
118	5

Depth	Readings
116	4
114	2
112	4
110	3
108	4
106	4
104	4
102	4
100	6
98	4
96	3
94	4
92	3
90	3
88	4
86	4
84	4
82	4
80	4
78	4
76	4
74	4
72	4

Depth	Readings
70	3
68	2
66	2
64	3
62	4
60	4
58	2
56	3
54	2
52	3
50	3
48	3
46	4
44	4
42	5
40	4
38	4
36	4
34	4
32	5
30	3
28	4
26	5

Depth	Readings
24	4
22	2
20	4
18	3
16	3
14	2
12	2
10	3
8	4
6	4
4	4
2	3
0	2

HOLE #41

Zero (in: 0
(out: 0

Collar Elev: 6019.7

Calib: (in: 50)
(out: 50) 4th Scale

Date: July 13, 1957

Depth to Granite: 324

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
351	18	305	9	260	11	214	8
349	8	303	9	258	11	212	9
347	9	301	7	256	9	210	9
345	6	300	9	254	8	208	9
343	6	298	9	252	8	206	9
341	8	296	11	250	8	204	8
339	7	294	9	248	7	202	10
337	8	292	9	246	8	200	9
335	8	290	10	244	7	198	9
333	10	288	9	242	8	196	9
331	8	286	9	240	9	194	8
329	8	284	10	238	8	192	8
327	9	282	10	236	8	190	7
325	8	280	8	234	7	188	7
323	10	278	8	232	7	186	6
321	9	276	7	230	8	184	6
319	9	274	8	228	7	182	6
317	9	272	8	226	9	180	5
315	9	270	8	224	9	178	5
313	10	268	6	222	9	176	6
311	10	266	8	220	10	174	5
[illegible]	9	264	10	218	11	172	5
307	9	262	10	216	9	170	5

HOLE #41

Depth	Readings	Depth	Readings	Depth	Readings	Depth	Readings
168	5	122	5	76	5	30	4
166	4	120	4	74	5	28	4
164	5	118	4	72	4	26	4
162	4	116	4	70	4	24	4
160	4	114	5	68	4	22	4
158	5	112	5	66	4	20	4
156	4	110	6	64	5	18	4
154	5	108	5	62	5	16	5
152	4	106	5	60	4	14	4
150	4	104	5	58	5	12	4
148	5	102	4	56	4	10	4
146	6	100	4	54	5	8	4
144	6	98	5	52	4	6	4
142	6	96	4	50	4	4	4
140	5	94	4	48	5	2	4
138	5	92	4	46	4	0	3
136	5	90	5	44	4		
134	5	88	5	42	4		
132	5	86	5	40	4		
130	4	84	4	38	4		
128	5	82	4	36	5		
126	5	80	4	34	4		
124	5	78	4	32	4		

HOLE #42

Zero (in: 0
(out: 1

Calib: (in: 50)
(out: 50)

Date: July 13, 1957

Collar Elev: 6012.0

Depth to Granite: 324'

Depth	Readings
324	2
322	3
320	3
318	4
316	4
314	4
312	4
310	4
308	4
306	7
304	7
303	16
302	24
301	20
300	26
299	28
298	21
297	46
296	25
295	15
294	11
292	10
290	8

Depth	Readings
288	7
286	8
285	20
284	62
283	30
282	16
281	20
280	11
278	8
276	14
274	13
272	14
270	20
269	32
268	42
267	19
266	13
264	8
262	8
260	8
258	9
256	8
254	8

4th Scale

Depth	Readings
252	7
250	8
248	6
246	8
244	8
242	8
240	8
238	8
236	9
234	8
232	8
230	8
228	8
226	8
224	8
222	7
220	7
218	7
216	7
214	7
212	7
210	8
208	8

Depth	Readings
206	8
204	10
202	9
200	8
198	8
196	8
194	9
192	8
190	8
188	8
186	8
184	8
182	8
180	7
178	8
176	8
174	8
172	8
170	8
168	8
166	8
164	7
162	8

HOLE #42

Depth	Readings
160	9
158	8
156	9
154	9
152	10
150	9
148	9
146	9
144	9
142	9
140	9
138	8
136	8
134	8
132	9
130	10
128	9
126	9
124	9
122	9
120	9
118	8
116	8
114	8

Depth	Readings
112	8
110	8
108	8
106	8
104	8
102	8
100	8
98	8
96	8
94	8
92	8
90	8
88	8
86	8
84	8
82	9
80	8
78	8
76	9
74	9
72	8
70	8
68	8
66	8

Depth	Readings
64	9
62	7
60	7
58	7
56	7
54	7
52	8
50	8
48	7
46	8
44	8
42	8
40	7
38	7
36	7
34	8
32	8
30	7
28	7
26	8
24	8
22	7
20	8
18	8

Depth	Readings
16	7
14	7
12	9
10	9
8	8
6	8
4	9
2	10
0	8

HOLE #43

Zero (in: 0
(out: 1

Calib: (in: 42)
(out: 60)

Sheet 1 of 2
Date: July 17, 1957

Collar Elev: 6018.8

Depth to Granite: 328'

Depth	Readings
332	1
330	1
328	4
326	4
324	3
322	4
320	3
318	4
316	15
314	10
312	3
310	2
308	2
306	4
304	4
302	3
300	8
298	15
296	11
294	8
292	8
290	6
288	6

Depth	Readings
286	6
284	7
282	14
280	13
278	10
276	8
274	8
272	5
270	7
268	7
266	7
264	5
262	5
260	4
258	4
256	4
254	4
252	4
250	5
248	6
246	5
244	5
242	4

Depth	Readings
240	6
238	4
236	4
234	4
232	7
230	6
228	5
226	4
224	4
222	4
220	4
218	4
216	4
214	4
212	4
210	3
208	3
206	4
204	5
202	5
200	4
198	4
196	4

Depth	Readings
194	3
192	4
190	4
188	3
186	4
184	4
182	3
180	2
178	2
176	3
174	2
172	3
170	2
168	2
166	2
164	2
162	3
160	2
158	3
156	2
154	5
152	14
150	12

HOLE #43

Depth	Readings
148	6
146	6
144	9
142	6
140	7
138	4
136	4
134	4
132	3
130	3
128	3
126	3
124	3
122	3
120	3
118	2
116	3
114	4
112	3
110	2
108	2
106	2
104	2
102	2

Depth	Readings
100	2
98	2
96	2
94	3
92	4
90	2
88	3
86	3
84	4
82	4
80	3
78	4
76	4
74	3
72	2
70	2
68	2
66	2
64	2
62	2
60	2
58	2
56	2
54	2

Depth	Readings
52	3
50	3
48	2
46	3
44	3
42	3
40	3
38	4
36	4
34	4
32	4
30	4
28	4
26	3
24	4
22	3
20	2
18	3
16	3
14	3
12	2
10	4
8	4
6	4
4	4

Depth	Readings
2	3
0	3

HOLE #44

Zero (in: 0
(out: 0

Calib: (in: 50)
(out: 49) 4th Scale

Date: July 10, 1957

Collar Elev: 6034.0

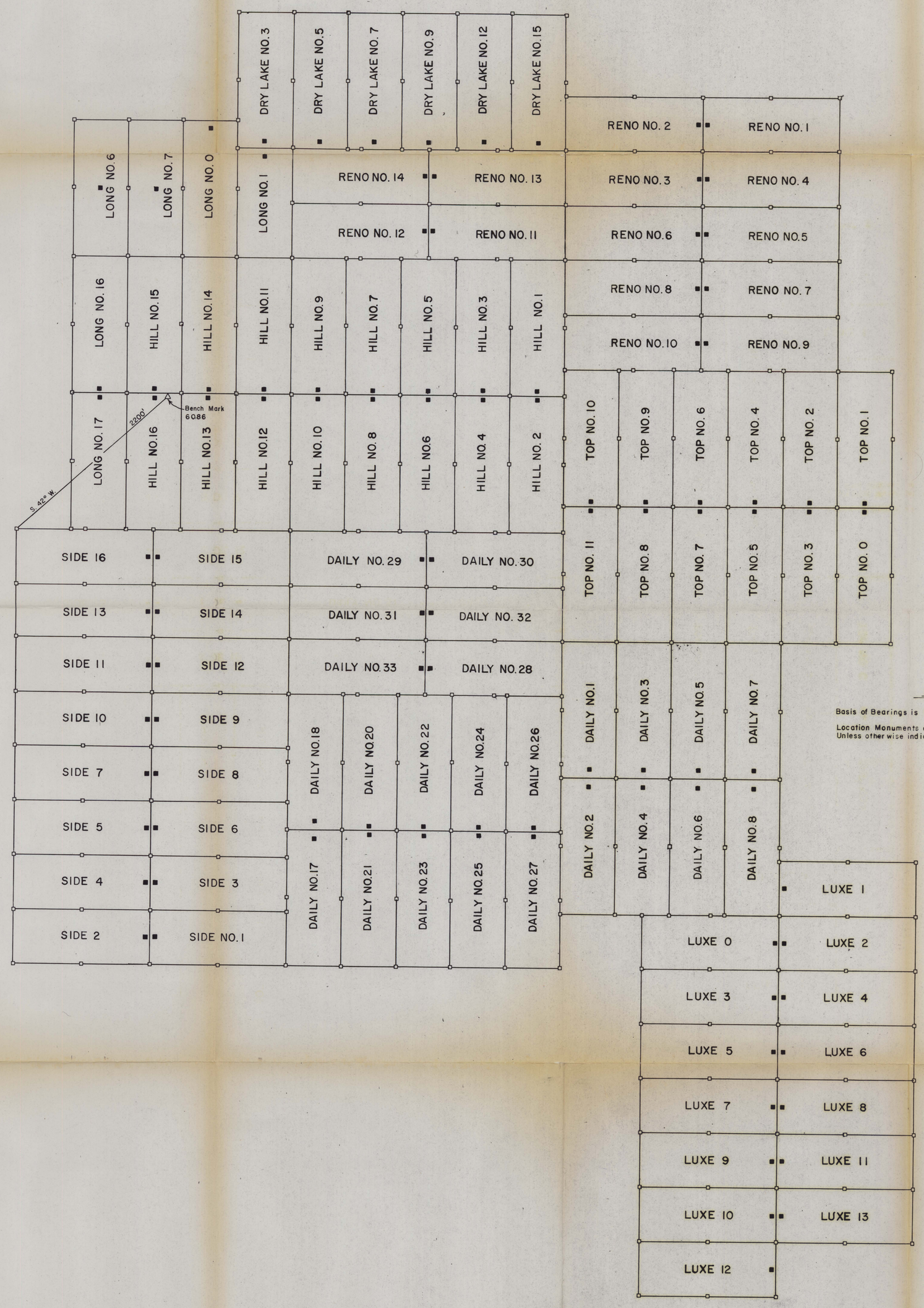
Depth to Granite: 132'

Depth	Readings
176	0
174	0
172	0
170	0
168	1
166	1
164	0
162	0
160	0
158	0
156	1
154	0
152	2
150	1
148	0
146	0
144	0
142	0
140	0
138	0
136	0
134	0
132	0
130	0

Depth	Readings
128	0
126	1
124	1
122	1
120	2
118	2
116	2
114	2
112	0
110	0
108	0
106	1
104	0
102	0
100	1
98	1
96	1
94	1
92	2
90	0
88	0
86	0
84	1
82	2

Depth	Readings
80	1
78	2
76	2
74	1
72	1
70	2
68	2
66	1
64	1
62	0
60	0
58	0
56	1
54	1
52	1
50	2
48	1
46	1
44	0
42	0
38	6
36	4
34	4
32	2

Depth	Readings
30	3
28	2
26	3
24	3
22	1
20	2
18	2
16	5
14	4
12	3
10	3
8	2
6	2
4	2
2	2
0	1



T. 45 N., R. 54 E.
M. D. M.

NOTES

Basis of Bearings is Magnetic Declination

Location Monuments are set 50' off of end line of claim Unless otherwise indicated.

MAP

OF

LUXE, DAILY, SIDE, TOP, HILL, RENO, LONG & DRY LAKE LODE CLAIM GROUPS

LOCATED BY

THOMAS M. WHITE & AGATHAE M. WHITE

P.O. BOX 97

MOUNTAIN CITY, NEVADA

SCALE: 1" = 500'

76070

3260 0711

NO.	BY	DATE	DESCRIPTION	CHK'D	APP'D
1	N.S.	10-76	Radon Data	R.L.	

REVISIONS

DRAWN BY M.H. APPROVED BY

JOB NO. 3212-01 DATE 8/76

RADON EMANOMETRY

T. 45, 46 N., R. 54 E.

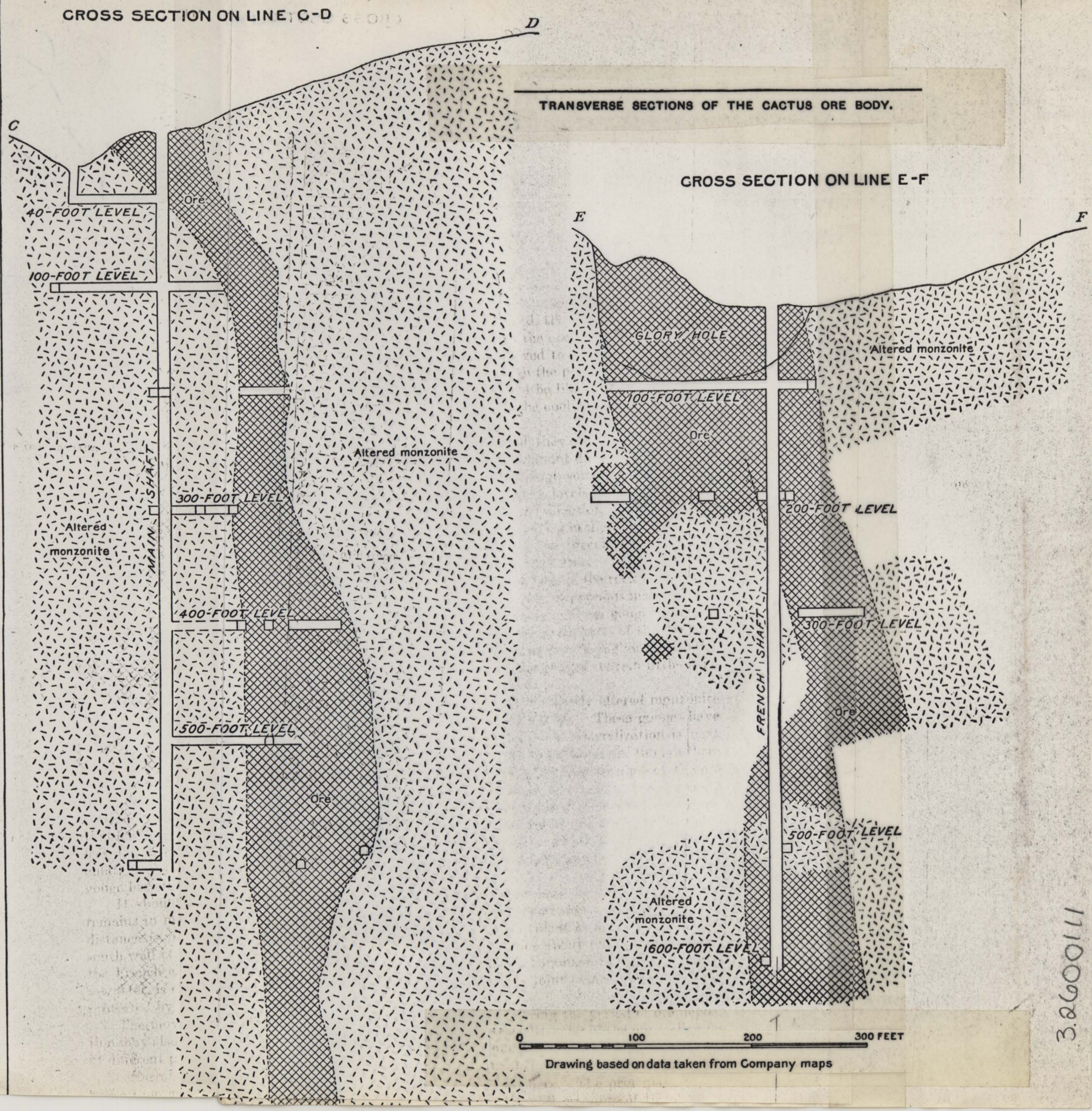
ELKO COUNTY, NEVADA

NICK SAUM

MOUNTAIN NUCLEAR PARTNERS
BOX 956 GOLDEN, COLO.

76071

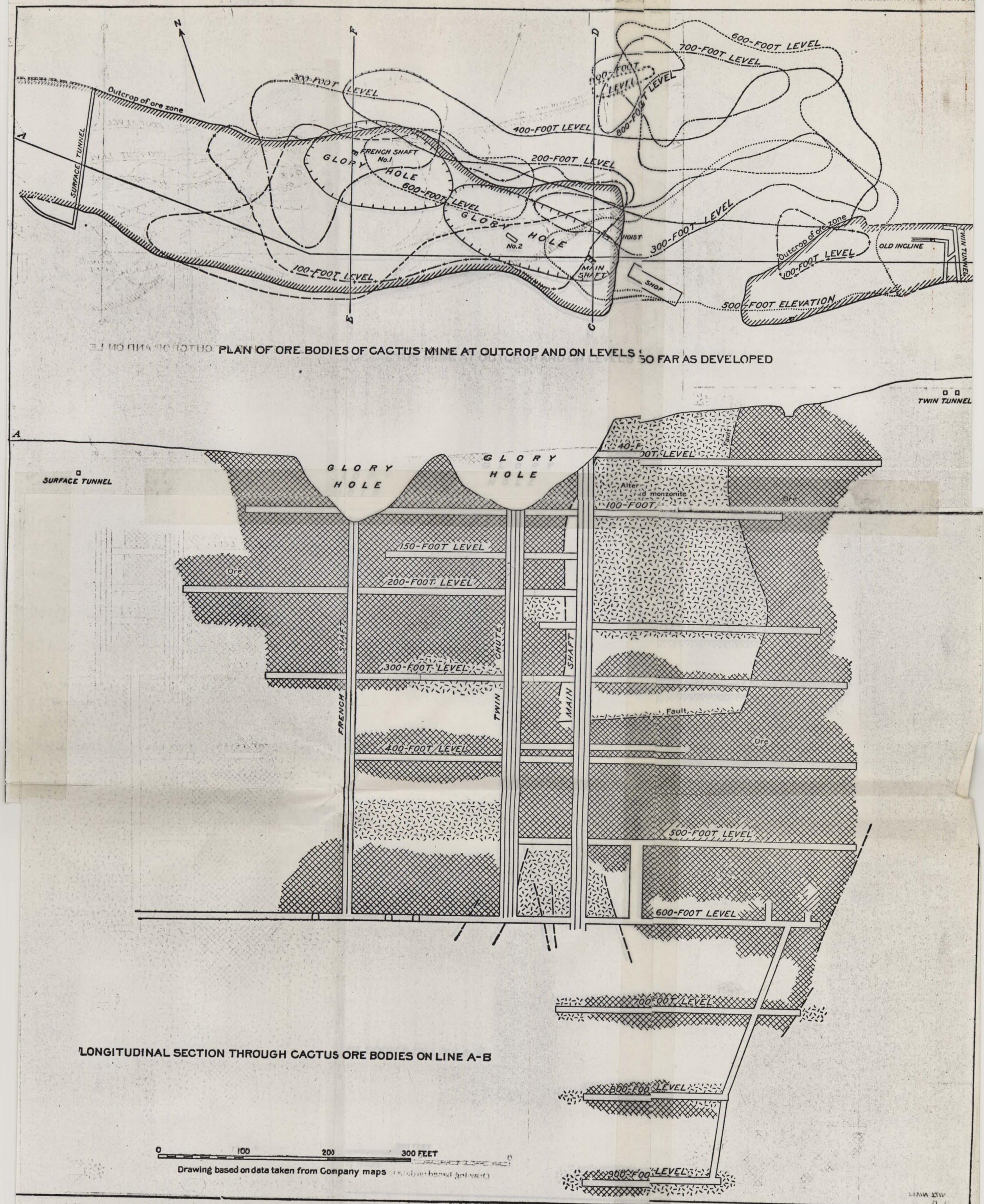
32600111



TRANSVERSE SECTIONS OF THE CACTUS ORE BODY.

Drawing based on data taken from Company maps

3.2600111



PLAN AND SECTION OF THE CACTUS ORE BODY.

32600111