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FINAL REPORT
GERONIMO PROJECT

SUPERIOR OIL

INTER-OFFICE CORRESPONDENCE

DATE January 17, 1985

TO H.T. Dummett

LOCATION Tucson

FROM J.E. Poulter

LOCATION Tucson

SUBJECT FINAL REPORT - GERONIMO PROJECT

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Summary and Conclusions

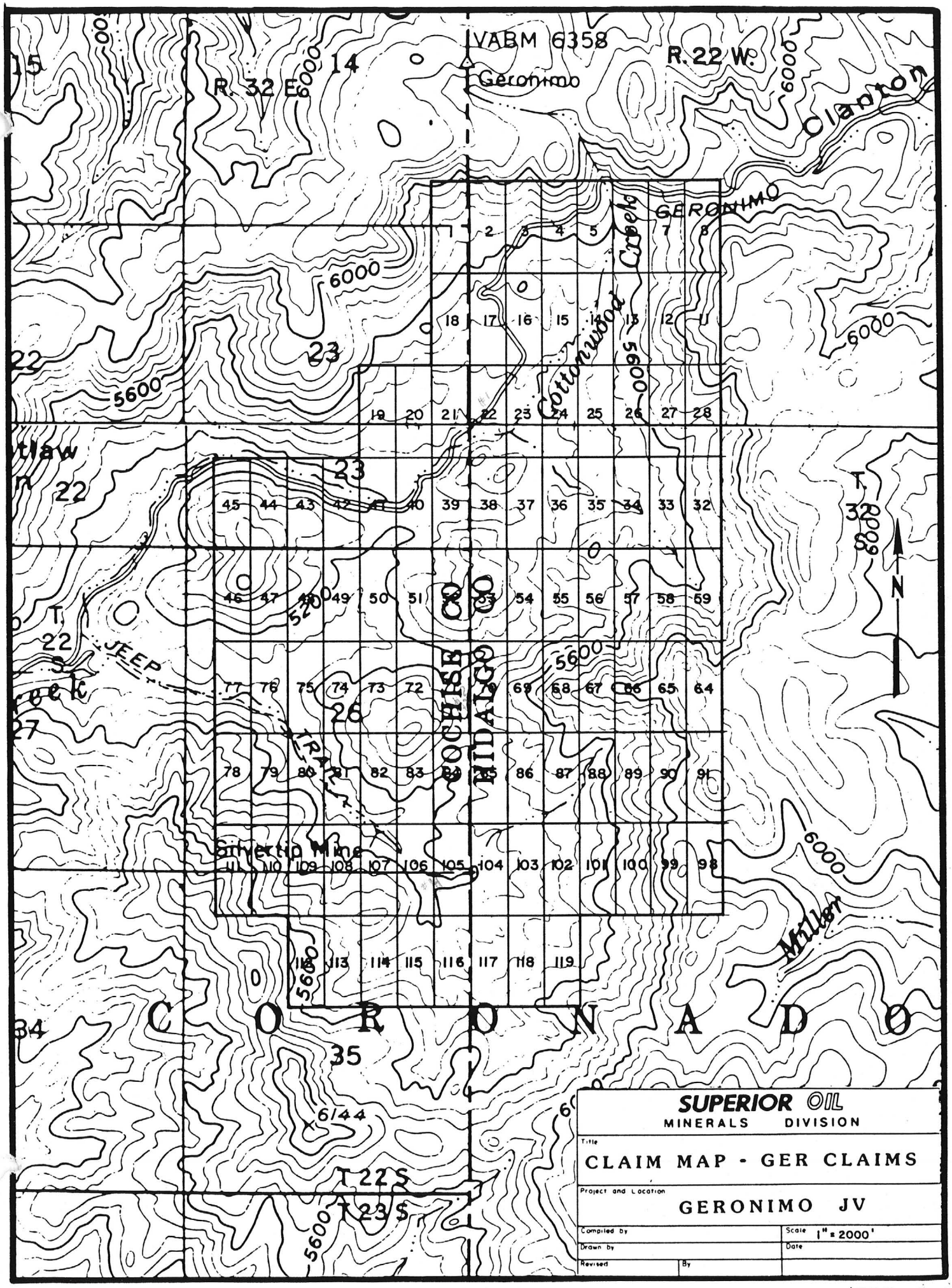
The Geronimo property consists of 104 unpatented mining claims located in the southern Peloncillo Mountains in Cochise County, Arizona and Hidalgo County, New Mexico. The property was initially staked by Nicor Mineral Ventures, who entered into a joint venture agreement with Superior in September, 1984.

The GER claim block is underlain by mid-Tertiary felsic volcaniclastic rocks, and is situated within and near the north end of the Geronimo Trail Cauldron. Tuffaceous rhyolite is intruded by a rhyolitic intrusive which is thought to have been emplaced during resurgence of the caldera. A north trending zone through the center of the claim block has been argillically altered and locally contains silicified structures which were the focus of drilling.

Soil and rock chip sampling was completed over an area of 6000 feet by 7000 feet centered over the most strongly altered rocks. Line spacing of 600 feet was used, with soil collected every 100 feet and rock chips every 200 feet. Weakly anomalous gold, mercury, arsenic and antimony were reported, but higher values were generally widespread, although there appear to be some consistent anomalous areas near the Silvertip Mine, and near the very center of the property.

Four holes totalling 3,460 feet were drilled by reverse circulation methods, all oriented to penetrate silicified structures at depth. One hole was near the north of the property, two near the center, and one to the south near the Silvertip Mine. Although pervasively argillized and pyritized rock was encountered in all holes with localized silicified intervals, no veins were penetrated. No significant metal enrichment was found.

Completion of the geologic mapping and geochemical sampling is recommended. Evaluation of this data will determine if additional drilling is warranted.



SUPERIOR OIL
MINERALS DIVISION

Title: CLAIM MAP - GER CLAIMS

Project and Location: GERONIMO JV

Compiled by	Scale 1" = 2000'
Drawn by	Date
Revised	By

FIG. 1

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Introduction

The Geronimo area was first examined in December of 1983 during reconnaissance for precious metals targets in southeastern Arizona. Interest in the immediate area was spurred by the presence of an old mine (Silvertip Mine) and a 1983 (published) USGS wilderness study which suggested the possibility of economic mineralization. After a brief examination, the geologic setting and widespread alteration were felt sufficiently encouraging to warrant further work.

The bulk of the altered terrane was found to be claimed by Nicor Mineral Ventures, who were contacted to determine if they would be interested in any form of joint venture or farmout on the area. Negotiations followed, and the property was acquired under a joint venture in September, 1984. A concerted effort was then made to gather as much information as possible during the remaining months of 1984.

Location and Land Status

The Geronimo property is located about 35 air miles east-northeast of Douglas, Arizona in the southern end of the Peloncillo Mountains. The property straddles the Arizona-New Mexico boundary and is entirely within the Coronado National Forest. Access is from Douglas on the Geronimo Trail, a county maintained gravel road which passes through the claim block and continues to the east into the Animas Valley.

The GER claim block shown in Figure 1, consists of a total of 104 unpatented mining claims, of which 45 are located in Cochise County, Arizona and 59 are in Hidalgo County, New Mexico. The Arizona claims are in Sections 14, 23, 26 and 35 of T. 22 S., R. 32 E., while the New Mexico group falls in unsurveyed Sections of T. 32 S., R. 21 W.

Portions of the claim block fall within two roadless areas which are currently under consideration for wilderness potential. The two areas are separated by an approximately one mile wide corridor which follows the Geronimo Trail. To the north of the road is the Whitmire Canyon Roadless Area, but only the northwestern corner of the claim block extends into this area, and no conflict is envisioned. South of the road is the Bunk Robinson Peak Roadless Area, and a significant amount of the southern and eastern portion of the claim block falls in this area. Although the future status of these areas has yet to be determined, the initial studies and discussions with Forest Service personnel suggest that the area which has been claimed will likely return to multiple use designation.

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Access to the property on the Geronimo trail is good except following rain when the road deteriorates rapidly until it dries out. The only other road on the property which is passable is a Forest Service jeep trail which goes to the Silvertip Mine from the Geronimo Trail. Any future subsurface study in areas away from these roads will require new road construction.

History and Previous Work

There is no record of any production from on or around the GER claim block, and not much indication of any substantial work. The largest workings are at the Silvertip Mine, where there is a 30 foot deep shaft and an adit reported to be 240 feet long. The adit was not examined because it is flooded, and the dump has been washed away, preventing any interpretation of that material. Elsewhere on the property there are several small shafts and adits, but none appear to be more than abandoned prospect pits.

Although there have been unpatented claims in the area in the past held by various individuals, no systematic exploration effort appears to have been made. No record of exploration by any mining company was found. Other than the road to the Silvertip Mine, all trails appear to be for access to water.

Geology

Description of regional geology of the area is largely from published data, while property scale descriptions are based pricipally on the mapping done by Nicor personnel. Because of the merger of Superior and Mobil, as well as for budgetary reasons, it was decided to try and drill test portions of the property during 1984 based on existing information and data generated prior to drilling. Because of time limitations, no original geologic mapping was done, and comments are based on initial observations and should be considered in that light.

The southern Peloncillo Mountains are dominantly underlain by mid-Tertiary felsic volcaniclastic and related rocks. The source of the tuffaceous rocks as proposed by E.E. Erb in a 1979 Ph.D. dissertation from the Univsersity of New Mexico is the Geronimo Trail Cauldron. The ring fracture system of the cauldron is exposed only along its southwestern margin where Cretaceous sediments (Bisbee Group) are in fault contact (Baker Canyon Fault) with the volcaniclastics within the cauldron. Elsewhere the margin is defined by flow-dome complexes thought to have been emplaced along the ring fracture system. The cauldron measures roughly 10 miles by 15 miles, is elongate in a north-northwesterly direction, and is centered roughly 5 miles to the southeast of the Silvertip Mine.

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The GER claim block lies entirely within the Geronimo Trail Cauldron near the northern margin. Three of Erb's stratigraphic units are present within the claimblock: The Tuff of Guadalupe Canyon, the Breccia of Hog Canyon, and the Dacite of Outlaw Mountain. The Tuff of Guadalupe Canyon, dated at 27 million years, is the lowermost volanic unit, is of unknown thickness, and is the predominant rock type on the GER claims. The unit is rhyolitic, with a very light gray to white groundmass and fine grained often angular quartz phenocrysts. The unit often has a near horizontal planar parting in outcrop. Immediately overlying the rhyolite is the Breccia of Hog Canyon, which is made up of fragments of latite in a latite matrix. In appearance it is not terribly different from the rhyolite, and the brecciation is often only visible on weathered surface.

The Dacite of Outlaw Mountain is an intrusive unit related to resurgence of the cauldron. This may well be the same unit which was mapped by Nicor as a polyphase rhyolite intrusive. Erb bracketed the age as younger than 27 million years, and older than 25.8.

The 1":500" (Plate 1) geologic map shows the geology of the central portion of the claim block as mapped and interpreted by Nicor. Time constraints prevented any original mapping, so the Nicor map was used and locally field checked. No attempt will be made to assess their interpretation and the following comments should be taken as observations and compared to the map with the realization that they may not entirely fit the map.

The lowermost unit in the area is the Tuff of Guadalupe Canyon (Trt on Nicor map) which is present in essentially all of the canyon bottoms except where intruded by younger units. (Note: There are several outcrops of limestone present which are older than the rhyolite, but I believe these to be blocks which are "floating" in the volcanics.) Tuffaceous units overlying the rhyolite occur on hills and higher slopes and were only examined in passing.

The rhyolite has been intruded along a roughly north-northeasterly belt by a rhyolitic(?) unit (labeled Tri by Nicor) which may be the same as Erb's Dacite of Outlaw Mountain. The unit is fine grained, very light colored, generally poorly exposed, and moderately to strongly argillized. The unit occurs irregularly along a roughly north to north-northeast zone, which is essentially the belt which was mapped by Nicor.

The other important features of the area are the intensely silicified structures shown in dark pink on the Nicor map. The features, which seem to be silicified fault or fracture zones, are made up of light gray very fine grained quartz, contain disseminated pyrite, are locally brecciated and can be anywhere from several inches to perhaps 20 feet in width. The

dominant attitude is northerly with a near vertical dip, although there are other directions present. The silicification may be filling faults/fractures related to resurgence and collapse of the intrusive rhyolite. The structures were the main focus of attention in the drilling.

Alteration on the property also corresponds roughly to the north-south belt along which the intrusive rhyolite occurs, although the relation of one to the other is not clear. Rocks along this belt (all units) are pervasively argillized with intensities varying from weak to very strong. Within this belt of argillization are the silicified structures mentioned above. It is unclear if the alteration is related to late stage volatile activity associated with the rhyolite emplacement or if there is a zone of weakness which favored both intrusion of the rhyolite and subsequent unrelated alteration. Regardless, the alteration post dates intrusion of the rhyolite. The altered zone has a pronounced color anomaly due to clay content and iron oxide staining from the pyrite associated with the alteration.

Geochemistry

During the initial brief visits to the property the reconnaissance rock chip samples collected disclosed the presence of localized anomalous values. Results of selected samples ranged up to a maximum of 225 ppb gold, 26 ppm silver, greater than 5 ppm mercury and some weakly anomalous arsenic and antimony values. Although the anomalous results were localized and widespread, they were felt sufficiently encouraging to warrant further investigation.

Following the execution of the joint venture agreement, Riddell and Associates of Bisbee were contracted to establish a baseline as control for detailed property examination. The baseline is oriented north-south and is on the Arizona-New Mexico boundary. The line begins from the southeastern corner of Section 14, T. 22 S., R. 32 E., (Arizona) and extends for about 2-1/2 miles to the south. Stations were established every 200 feet and are marked by a ten inch spike and a lath.

For initial coverage, an area of roughly 7,000 feet by 6,000 feet roughly covering the central portion of the altered area was selected for sampling. Line spacing was 600 feet, with lines extending 3,000 feet to both the east and west. From the baseline soil samples were collected every 100 feet, and rock chips every 200 feet where outcrop permitted. Rock chips were analyzed for gold, silver, arsenic, antimony and mercury. Soils were tested for the same elements except for mercury, which was analyzed in house for all samples, and commercially for only about half the samples. All results are included in Appendix 1.

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Maps were prepared for gold and mercury results from rock chip sampling, and for gold/silver, arsenic/antimony and mercury from the soil sampling (Plates II-VI). No clear cut conclusions can readily be drawn from the data, although some generalizations can be made. The most consistent anomalous area appears to be west and southwest of the Silvertip Mine, including the southern most line, so the anomaly is not completely defined. A second area which commonly contains elevated values is the eastern ends of lines 60 through 72. Remaining high values are generally more discontinuous and widespread. One final general observation which seems to be illustrated by the data is the general north-south control of the metal values.

Drilling

As the joint venture contract was being finalized it was decided to drill the property in 1984. Initially it was planned to spend several weeks on geologic evaluation and do the planned geochemical sampling and use those data for drill hole selection. Unfortunately, execution of the agreement came later than expected, which, combined with permitting requirements of the Forest Service forced selection of drill sites without benefit of (much) geologic or geochemical data.

Four reverse circulation holes were drilled on the property by Lang Exploratory Drilling, totaling 3460 feet. Sites were selected on very limited geochemical results and the geology as mapped by Nicor. Location of the holes is shown on the geologic map and they are briefly discussed below. Because results are negative, both geochemically and geologically (no veins encountered), very little will be said. All four holes penetrated felsic rocks, probably rhyolite, which very generally speaking is of two varieties. The first is a very light gray rock with fine grained quartz phenocrysts and less than 1% biotite phenocrysts. The second type is a similar rock, but contains typically 2 to 4% disseminated biotite phenocrysts. The first rock is probably the Tuff of Guadalupe Canyon while the biotite rich lithology may be the intrusive rhyolite. Both units are argillically altered with zones of silicification, and disseminated and occasional veinlet pyrite is ubiquitous. Brief descriptions follow; for additional detail, see drill logs (Appendix II). Very generalized cross sections for the holes are shown on Plates VII-IX.

GER-1 was directed 110° at minus 45° to a depth of 1,000 feet to test the silicified structure which parallels the road near the north end of the property. Silicified intervals which could be correlated with the structure were penetrated from 330 to 430 feet and from 640 to 760 feet.

GER-2 was collared near the center of the property just east of the state line, and drilled 058° at minus 45° to a depth of 960 feet. The hole was

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oriented to cross several of the silicified structures and was pointed towards one of the most strongly altered areas on the surface. Between 290 and 320 feet there was a very strong water flow, the chips were oxidized, silicified, and there seemed to be some vein quartz present. From 300 to 310 feet the interval assayed 0.10 ppm gold and 1.6 ppm silver. From 600 to 620 feet 75% of the chips were of probable vein quartz, but had no metal enrichment. From 830 to 840 feet more water was hit, this time warm. Other zones in the hole which were silicified or contained veinlet quartz include 30 to 210, 410-520 and 800 to 840.

GER-3 was located about 1000 feet west of GER-2, directed 102° at -45° to a depth of 800 feet and was designed to penetrate the structure on which the "Galena Pit" occurs. (The Galena Pit is a 10 foot deep shaft on a silicified structure which contains galena). The rock was silicified from 80 to 300 feet, and from 480 to 800 feet there were occasional thin localized intervals of silicified rock.

GER-4 was collared about 400 feet southeast of the Silvertip Mine, and drilled 267° at minus 45° to a depth of 700 feet. The hole was situated to test a structure on the hill west of the mine, which was presumably the target of the mine. This hole was different than the first three holes in lithology and in part in alteration. The hole contains a rhyolite slightly green in color and moderately to strongly altered which contains a very soft green alteration(?) mineral which could be talc. This unit occurs from 40 to 60, 230 to 300 and from 430 to 460 feet. No pervasive silicification was found in the hole, but there is generally disseminated pyrite as in the other three holes. GER-4 also has an intermediate composition rock (andesite?) from 520 to 580 which is dark gray to purple in color.

Conclusions and Recommendations

Despite the negative results of the drilling additional work is warranted. The holes were selected without the benefit of the usual preliminary target selection work due to a unique set of circumstances, and the holes may well not be in the best location. The geochemical data collected to date show that there are some elevated metal values, although admittedly of fairly low level. The remainder of the property should be sampled and assessed. Since much of the eastern and southern portions of the claim block are colluvially covered, the chance for hidden targets exists. The outcrops which are present in this area are altered and locally contain considerable limonite.

Similarly, the geologic mapping has only been started. The remainder of the property should be mapped in at least the same detail as has already been done.

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I recommend that the geologic and geochemical work be completed on the property, and then all data compiled and evaluated. Following this, a plan for any warranted future work can be devised.

J.E. Poulter

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BONDAR-CLEGG

Geochemical
Lab Report

SUPERIOR OIL COMPANY (TUCSON)
MR. JIM POULTER
SUPERIOR OIL CO.
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3

GERONIMO ROCK CHIP

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Geochemical Lab Report

REPORT: 124-3958

FROM: SUPERIOR OIL COMPANY (TUCSON) SUBMITTED BY: S DALTON
DATE: 26-NOV-84 PROJECT: NONE GIVEN

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Ag	.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-100	ROCK OR BED ROCK	CRUSH.PULVERIZE -100
02	As	2 PPM	NITRIC PERCHLOR DIG	Colourimetric	-100		
03	Hg	5 PPB	HNO3-HCL HOT EXTR	Cold Vapour AA	-100		
04	Au	5 PPB	FIRE-ASSAY	Fire Assay AA	-100		
05	Sb	2 PPM		X-RAY Fluorescence	-100		

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Geochemical Lab Report

REPORT: 124-3958 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	Sb PPM	NOTE
R A-21639		<0.2	3	25	15	<2	
R A-21640		<0.2	3	30	40	<2	
R A-21641		<0.2	3	20	10	<2	
R A-21642		<0.2	3	20	10	5	
R A-21643		<0.2	6	45	<5	<2	
R A-21644		<0.2	7	150	20	<2	
R A-21645		<0.2	3	45	<5	<2	
R A-21646		<0.2	3	30	15	<2	
R A-21647		<0.2	2	20	<5	<2	
R A-21648		<0.2	2	30	10	<2	
R A-21649		<0.2	2	20	<5	9	
R A-21650		<0.2	2	20	15	<2	
R A-21651		<0.2	2	15	<5	<2	
R A-21652		<0.2	2	20	<5	<2	
R A-21653		<0.2	2	20	<5	<2	
R A-21654		<0.2	2	45	<5	3	
R A-21655		<0.2	2	25	<5	2	
R A-21656		<0.2	2	30	<5	<2	
R A-21657		<0.2	3	30	<5	<2	
R A-21658		<0.2	3	30	<5	4	
R A-21659		<0.2	3	55	<5	<2	
R A-21660		<0.2	3	160	20	8	
R A-21661		<0.2	3	40	<5	3	
R A-21662		<0.2	2	35	20	<2	
R A-21663		<0.2	7	45	<5	<2	
R A-21664		<0.2	3	30	<5	<2	
R A-21665		<0.2	3	30	<5	8	
R A-21666		<0.2	2	20	<5	8	
R A-21667		<0.2	2	25	<5	3	
R A-21668		<0.2	3	15	<5	4	
R A-21669		<0.2	2	20	<5	7	
R A-21670		<0.2	3	115	5	3	
R A-21671		<0.2	3	5	<5	5	
R A-21672		0.2	3	<5	<5	4	
R A-21673		<0.2	3	<5	<5	<2	
R A-21674		<0.2	3	<5	<5	<2	
-21675		<0.2	3	5	<5	3	
-21676		<0.2	3	40	10	<2	
R A-21677		<0.2	7	40	5	<2	
R A-21678		<0.2	8	125	10	<2	

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	Sb PPM	NOTE
R A-21679		<0.2	3	30	<5	<2	
R A-21680		0.2	3	30	<5	<2	
R A-21681		<0.2	4	210	<5	6	
R A-21682		<0.2	3	50	25	8	
R A-21683		<0.2	3	30	15	3	
R A-21684		0.2	4	10	5	5	
R A-21685		<0.2	3	25	<5	5	
R A-21686		<0.2	3	25	<5	3	
R A-21687		<0.2	3	30	<5	<2	
R A-21688		<0.2	3	30	<5	<2	
R A-21689		<0.2	3	<5	<5	<2	
R A-21690		0.2	3	30	<5	<2	
R A-21691		<0.2	2	20	<5	<2	
R A-21692		<0.2	3	<5	<5	<2	
R A-21750		<0.2	3	15	<5	<2	
R A-21751		<0.2	3	<5	<5	4	
R A-21752		<0.2	3	10	5	8	
R A-21753		<0.2	3	5	<5	3	
R A-21754		<0.2	3	25	<5	6	
R A-21755		<0.2	3	20	<5	<2	
R A-21756		<0.2	3	15	<5	<2	
R A-21757		<0.2	3	35	<5	<2	
R A-21758		<0.2	2	35	<5	3	
R A-21759		<0.2	2	<5	<5	3	
R A-21760		<0.2	2	<5	<5	11	
R A-21761		0.2	2	<5	<5	11	
R A-21762		0.2	2	10	15	5	
R A-21763		<0.2	3	10	10	9	
R A-21764		<0.2	3	10	<5	7	
R A-21765		<0.2	4	15	<5	4	
R A-21766		<0.2	3	30	<5	3	
R A-21767		<0.2	3	15	5	3	
R A-21768		<0.2	13	20	<5	<2	
R A-21772		<0.2	2	15	<5	<2	
R A-21773		<0.2	2	100	10	3	
R A-21774		<0.2	3	30	<5	3	
R A-21775		<0.2	3	30	<5	8	
R A-21776		<0.2	3	30	<5	6	
R A-21777		<0.2	3	40	<5	3	
R A-21778		<0.2	3	20	<5	<2	

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Geochemical Lab Report

REPORT: 124-3958 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	Sb PPM	NOTES
R A-21779		<0.2	3	15	<5	<2	
R A-21780		<0.2	3	15	<5	<2	
R A-21781		<0.2	2	10	<5	4	
R A-21782		<0.2	2	5	<5	3	
R A-21783		<0.2	4	10	<5	<2	

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Geochemical
Lab Report

SUPERIOR OIL COMPANY (TUCSON)
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DEC 7 1984

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Geochemical Lab Report

REPORT: 124-3957

FIRM: SUPERIOR OIL COMPANY (TUCSON) SUBMITTED BY: J. POULTER
DATE: 28-NOV-84 PROJECT: NONE GIVEN

NUMBER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Au	.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption		ROCK OR BED ROCK	CRUSH.PULVERIZE -100
02	As	2 PPM	NITRIC PERCHLOR DIG	Colourimetric			
03	Hg	~~5 PPB~~	~~HNO3-HCL HOT EXTR~~	Cold Vapour AA			
04	Au	5 PPB	FIRE-ASSAY	Fire Assay AA			
05	Sb	2 PPM		X-RAY Fluorescence			

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Geochemical Lab Report

REPORT: 124-3997 PROJECT: NONE GIVEN PAGE 1

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	Sb PPM	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	Sb PPM	NOTE
A-21693		0.2	8	10	<5	<2		R A-21733		<0.2	2	10	<5	<2	
A-21694		<0.2	2	85	<5	3		R A-21734		<0.2	2	10	<5	<2	
R A-21695		0.2	2	160	<5	8		R A-21735		<0.2	2	10	<5	<2	
R A-21696		<0.2	2	60	<5	<2		R A-21736		<0.2	27	35	<5	8	
A-21697		0.2	2	10	<5	4		R A-21737		<0.2	2	20	<5	6	
R A-21698		<0.2	2	5	<5	<2		R A-21738		<0.2	2	15	<5	<2	
A-21699		0.2	8	200	5	6		R A-21739		<0.2	2	30	<5	<2	
A-21700		0.2	2	165	<5	8		R A-21740		<0.2	3	750	<5	<2	
R A-21701		<0.2	2	130	<5	<2		R A-21741		<0.2	3	35	<5	<2	
R A-21702		<0.2	7	1150	<5	<2		R A-21742		<0.2	2	15	<5	<2	
R A-21703		<0.2	3	110	<5	3		R A-21743		<0.2	2	15	<5	<2	
R A-21704		<0.2	8	30	<5	2		R A-21744		<0.2	2	10	<5	5	
A-21705		<0.2	2	50	<5	<2		R A-21745		<0.2	3	10	<5	<2	
A-21706		<0.2	2	25	<5	<2		R A-21746		<0.2	2	5	<5	<2	
R A-21707		<0.2	2	20	<5	<2		R A-21747		0.2	25	1700	<5	<2	
A-21708		<0.2	2	30	<5	<2		R A-21748		<0.2	2	20	<5	<2	
R A-21709		<0.2	2	20	<5	<2		R A-21749		<0.2	2	70	<5	2	
R A-21710		<0.2	2	20	<5	7		R A-21769		<0.2	2	10	<5	<2	
R A-21711		<0.2	2	20	<5	<2		R A-21770		<0.2	3	10	<5	5	
R A-21712		<0.2	2	20	<5	<2		R A-21771		<0.2	2	15	<5	<2	
R -21713		<0.2	2	15	<5	3		R A-21784		<0.2	2	15	<5	6	
R -21714		<0.2	2	20	<5	<2		R A-21785		<0.2	2	10	<5	6	
R A-21715		<0.2	2	15	<5	5		R A-21786		<0.2	3	10	<5	<2	
R A-21716		<0.2	2	10	<5	<2		R A-21787		<0.2	2	5	<5	4	
R -21717		<0.2	2	5	<5	<2		R A-21788		0.2	3	20	<5	9	
R A-21718		<0.2	2	5	<5	2		R A-21789		0.2	12	160	160	9	
R -21719		<0.2	2	5	90	<2		R A-21790		<0.2	2	245	30	29	
R -21720		<0.2	2	20	<5	2		R A-21791		<0.2	3	15	5	<2	
R A-21721		<0.2	2	<5	<5	3		R A-21792		<0.2	8	10	<5	4	
R -21722		<0.2	2	5	<5	5		R A-21793		<0.2	3	40	<5	4	
R A-21723		<0.2	2	10	<5	<2		R A-21794		<0.2	3	10	<5	2	
R A-21724		<0.2	2	<5	<5	<2		R A-21795		<0.2	2	20	<5	5	
R -21725		<0.2	2	5	<5	7		R A-21796		<0.2	2	250	<5	<2	
R A-21726		<0.2	2	20	<5	<2		R A-21797		<0.2	4	5	<5	<2	
R A-21727		<0.2	2	10	<5	<2		R A-21798		<0.2	2	<5	<5	3	
R -21728		<0.2	3	50	<5	4		R A-21799		<0.2	2	15	5	7	
R A-21729		<0.2	2	<5	<5	<2		R A-21800		0.6	55	130	20	8	
R 30		0.2	2	15	<5	2		R A-21801		<0.2	7	10	<5	<2	
R -21731		<0.2	2	20	<5	<2		R A-21802		<0.2	2	5	<5	5	
R A-21732		<0.2	2	15	<5	<2		R A-21803		<0.2	2	20	<5	2	

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Geochemical Lab Report

REPORT: 124-3997 PROJECT: NONE GIVEN

	SAMPLE NUMBER	ELEMENT UNITS	Au PPM	As PPM	Hg PPB	Au PPB	Sb PPM	NOTES
	A-21804		<0.2	2	<5	<5	<2	
	A-21805		<0.2	3	115	<5	<2	
R	A-21806		<0.2	52	50	30	3	
P	A-21807		<0.2	18	<5	5	<2	
	A-21808		<0.2	45	5	10	5	
R	A-21809		<0.2	3	20	<5	<2	
	A-21810		<0.2	2	5	<5	<2	
	A-21811		<0.2	3	5	<5	<2	
R	A-21812		<0.2	2	5	<5	<2	
P	A-21813		<0.2	2	140	<5	8	
K	A-21814		<0.2	2	5	<5	2	
R	A-21815		<0.2	2	5	<5	3	
	A-21816		<0.2	3	<5	<5	2	
K	A-21817		<0.2	4	<5	<5	<2	
R	A-21818		<0.2	4	<5	<5	3	
R	A-21830		<0.2	2	10	<5	7	
R	A-21831		<0.2	2	10	15	<2	
R	A-21832		<0.2	2	<5	<5	<2	
R	A-21833		<0.2	2	<5	<5	<2	
R	A-21834		<0.2	3	<5	<5	<2	
R	A-21835		<0.2	2	<5	<5	10	
R	A-21836		<0.2	2	80	10	8	

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Geochemical Lab Report

SUPERIOR OIL COMPANY (TUCSON)
MR. JIM POULTER
SUPERIOR OIL CO.
P.O. BOX 31870
TUCSON, ARIZONA 85751

DEC 3 1984

GERONIMO SOIL

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Geochemical Lab Report

REPORT: 124-3973

FROM: SUPERIOR OIL COMPANY (TUCSON)
DATE: 27-NOV-84 PROJECT: NONE GIVEN

SUBMITTED BY: S DALTON

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Ag	.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-80	SOILS	DRY, SEIVE -80
02	As	2 PPM	NITRIC PERCHLOR DIG	Colourimetric	-80		
~~03~~	~~Au~~	~~5 PPB~~	FIRE-ASSAY	Fire Assay AA	-80		
04	wt/Au	.01 gm					
05	Sb	2 PPM		X-RAY Fluorescence	-80		

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DETECTION LIMITS FOR GOLD
20 GRAM SAMPLE: 5 PPB.
10 GRAM SAMPLE: 10 PPB.
1 GRAM SAMPLE: 100 PPB.

SAMPLE WT. 20 G. UNLESS OTHERWISE STATED.

NOTE:
CHECK CONCENTRATION/SAMPLE WEIGHT RATIO
FOR EFFECTIVE DETECTION LEVEL.

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Geochemical Lab Report

REPORT: 124-3773 PROJECT: HOME GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	wt/Au gm	Sb PPM	NOTE
S 36-00E		<0.2	3	<5		<2	
S 36-01E		<0.2	3	<5		<2	
S 36-02E		<0.2	3	<5		4	
S 36-03E		<0.2	3	<5		<2	
S 36-04E		<0.2	3	10		<2	
S 36-05E		<0.2	2	<5		7	
S 36-06E		<0.2	2	<5		<2	
S 36-07E		<0.2	15	<5		9	
S 36-08E		<0.2	4	<5		<2	
S 36-09E		<0.2	3	<5		6	
S 36-10E		<0.2	4	<5		<2	
S 36-11E		<0.2	4	<5		<2	
S 36-12E		<0.2	4	<5		<2	
S 36-13E		<0.2	6	<5		3	
S 36-14E		<0.2	7	<5		<2	
S 36-15E		<0.2	4	<5		<2	
S 36-16E		<0.2	6	<5		<2	
S 36-17E		<0.2	6	<5		3	
S 36-18E		<0.2	4	<5		<2	
S 36-19E		<0.2	2	<5		4	
S 36-20E		<0.2	3	<5		<2	
S 36-21E		<0.2	4	<5		<2	
S 36-22E		<0.2	3	<5		4	
S 36-23E		<0.2	3	<5		<2	
S 36-24E		<0.2	4	<5		<2	
S 36-25E		<0.2	3	<5		5	
S 36-26E		<0.2	4	<5		2	
S 36-27E		<0.2	4	<5		<2	
S 36-28E		<0.2	7	<5		4	
S 36-29E		<0.2	7	<5		<2	
S 36-30E		<0.2	3	<5		<2	
S 36-01W		<0.2	4	<5		3	
S 36-02W		<0.2	6	<5		5	
S 36-03W		<0.2	12	<5		<2	
S 36-04W		<0.2	4	<5		<2	
S 36-05W		<0.2	4	<5		3	
S 36-06W		<0.2	3	<5		<2	
S 36-07W		<0.2	3	<5		<2	
S 36-08W		<0.2	3	<5		4	
S 36-09W		<0.2	3	<5		<2	

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	wt/Au gm	Sb PPM	NOTE
S 36-10W		<0.2	3	<5		<2	
S 36-11W		<0.2	3	<5		<2	
S 36-12W		<0.2	2	<5		<2	
S 36-13W		<0.2	4	<5		5	
S 36-14W		<0.2	4	<5		<2	
S 36-15W		<0.2	2	<5		<2	
S 36-16W		<0.2	3	<5		<2	
S 36-17W		<0.2	3	<5		<2	
S 36-18W		<0.2	3	<5		<2	
S 36-19W		<0.2	2	<5		<2	
S 36-20W		<0.2	2	<5		3	
S 36-21W		<0.2	3	<5		6	
S 36-22W		<0.2	7	<5		<2	
S 36-23W		<0.2	2	<5	8.00	<2	
S 36-25W		<0.2	3	<5		<2	
S 36-26W		<0.2	3	<5		<2	
S 36-27W		<0.2	3	<5		2	
S 36-28W		<0.2	3	<5		3	
S 36-29W		<0.2	2	<5		3	
S 36-30W		<0.2	2	<5		<2	
S 42-00E		<0.2	3	<5		<2	
S 42-01E		<0.2	8	<5		5	
S 42-02E		<0.2	8	<5		<2	
S 42-03E		<0.2	4	<5		5	
S 42-04E		<0.2	3	<5		5	
S 42-05E		0.2	4	<5		4	
S 42-06E		<0.2	7	<5		8	
S 42-07E		<0.2	8	5		<2	
S 42-08E		<0.2	11	<5		<2	
S 42-09E		<0.2	8	<5		<2	
S 42-10E		<0.2	11	<5		4	
S 42-11E		<0.2	11	<5		4	
S 42-12E		<0.2	8	<5		<2	
S 42-13E		<0.2	4	<5		<2	
S 42-14E		<0.2	3	<5		8	
S 42-15E		<0.2	3	<5		<2	
S 42-16E		<0.2	2	5		4	
S 42-17E		<0.2	4	<5		<2	
S 42-18E		<0.2	3	<5		4	
S 42-19E		<0.2	4	<5		5	

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Geochemical Lab Report

REPORT: 124-3973 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	+6. Au gm	Sb PPM	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	+6/Au gm	Sb PPM	NOTE
S 42-20E		<0.2	3	<5		4		S 42-30W		<0.2	3	<5		3	
S 42-21E		<0.2	2	<5		<2		S 48-01E		<0.2	7	<5		<2	
S 42-22E		<0.2	2	<5		<2		S 48-02E		<0.2	7	<5		<2	
S 42-23E		<0.2	2	<5		<2		S 48-03E		<0.2	7	<5		<2	
S 42-24E		<0.2	3	<5		<2		S 48-04E		<0.2	8	10		5	
S 42-25E		<0.2	4	<5		<2		S 48-05E		<0.2	4	25		<2	
S 42-26E		<0.2	2	<5		<2		S 48-06E		<0.2	3	<5		<2	
S 42-27E		<0.2	4	<5		4		S 48-07E		<0.2	3	5		3	
S 42-28E		<0.2	4	<5		<2		S 48-08E		<0.2	2	5		<2	
S 42-29E		<0.2	4	<5		<2		S 48-09E		<0.2	2	5		4	
S 42-30E		<0.2	4	5		<2		S 48-10E		<0.2	3	<5		<2	
S 42-01W		0.2	4	30		<2		S 48-11E		<0.2	2	<5		<2	
S 42-02W		<0.2	7	15		<2		S 48-12E		<0.2	3	<5		<2	
S 42-03W		<0.2	3	5		6		S 48-13E		<0.2	2	5		<2	
S 42-04W		<0.2	4	<5		6		S 48-14E		<0.2	3	5		<2	
S 42-05W		<0.2	4	<5		<2		S 48-15E		<0.2	3	<5		<2	
S 42-06W		<0.2	2	<5		<2		S 48-16E		<0.2	7	5		<2	
S 42-07W		<0.2	2	<5		<2		S 48-17E		<0.2	6	5		<2	
S 42-08W		<0.2	2	<5		2		S 48-18E		<0.2	4	5		5	
S 42-09W		<0.2	2	<5		<2		S 48-19E		<0.2	7	10		<2	
S 42-10W		<0.2	2	<5		<2		S 48-20E		<0.2	4	5		<2	
S 42-11W		<0.2	2	<5		<2		S 48-21E		<0.2	11	<5		<2	
S 42-12W		<0.2	3	<5		<2		S 48-22E		<0.2	7	<5		2	
S 42-13W		<0.2	2	<5		<2		S 48-23E		<0.2	3	<5		7	
S 42-14W		<0.2	3	<5		4		S 48-0W		<0.2	8	<5		<2	
S 42-15W		<0.2	3	<5		2		S 48-01W		<0.2	12	<5		6	
S 42-16W		<0.2	3	<5		<2		S 48-02W		<0.2	7	<5		3	
S 42-17W		<0.2	4	<5		2		S 48-03W		<0.2	2	<5		5	
S 42-18W		<0.2	3	<5		2		S 48-04W		<0.2	3	<5		2	
S 42-19W		<0.2	3	<5		<2		S 48-05W		<0.2	23	<5		6	
S 42-20W		<0.2	4	<5		5		S 48-06W		<0.2	3	<5		4	
S 42-21W		0.2	3	<5		6		S 48-07W		<0.2	3	<5		3	
S 42-22W		<0.2	3	<5		<2		S 48-08W		0.3	4	10		<2	
S 42-23W		<0.2	2	<5		4		S 48-09W		<0.2	3	<5		<2	
S 42-24W		<0.2	3	<5		<2		S 48-10W		<0.2	3	<5		3	
S 42-25W		0.2	3	5		<2		S 48-11W		<0.2	3	<5		3	
S 42-26W		<0.2	3	<5		5		S 48-12W		<0.2	3	<5		<2	
2-27W		<0.2	3	<5		<2		S 48-13W		<0.2	4	10		6	
S 42-28W		<0.2	3	<5		3		S 48-14W		<0.2	3	<5		5	
S 42-29W		<0.2	3	<5		3		S 48-15W		<0.2	3	<5		<2	

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Geochemical Lab Report

REPORT: 124-3973 PROJECT: HOME GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	wt/Au gm	Sb PPM	NOTE	SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	wt/Au gm	Sb PPM	NOTE
S 48-16W		<0.2	3	<5		<2		S 54-04W		0.6	16	5		<2	
S 48-17W		<0.2	3	<5		<2		S 54-05W		<0.2	6	<5		10	
S 48-18W		<0.2	3	<5		<2		S 54-06W		<0.2	9	<5		<2	
S 48-19W		<0.2	3	<5		<2		S 54-07W		0.2	9	<5		<2	
S 48-20W		<0.2	3	<5		<2		S 54-08W		<0.2	2	<5		<2	
S 48-21W		<0.2	2	<5		5		S 54-09W		<0.2	2	<5		<2	
S 48-22W		0.2	2	<5		5		S 54-10W		<0.2	3	<5		5	
S 48-23W		<0.2	4	20		<2		S 54-11W		<0.2	8	<5		5	
S 48-24W		<0.2	3	<5		<2		S 54-12W		0.2	4	<5		<2	
S 48-25W		<0.2	2	5		<2		S 54-13W		<0.2	12	<5		<2	
S 48-26W		<0.2	2	<5		6		S 54-14W		<0.2	6	5		<2	
S 48-27W		<0.2	2	<5		<2		S 54-15W		<0.2	13	<5		2	
S 48-28W		<0.2	2	<5		5		S 54-16W		<0.2	11	<5		<2	
S 48-29W		<0.2	2	<5		6		S 54-17W		<0.2	8	<5		5	
S 48-30W		<0.2	2	<5		<2		S 54-18W		0.2	8	<5		<2	
S 54-01E		<0.2	4	<5		<2		S 54-19W		<0.2	8	<5		<2	
S 54-02E		<0.2	6	<5		<2		S 54-20W		<0.2	8	<5		<2	
S 54-03E		<0.2	4	<5		2		S 54-21W		<0.2	7	<5		4	
S 54-04E		<0.2	2	<5		<2		S 54-22W		<0.2	3	<5		<2	
S 54-05E		<0.2	2	<5		<2		S 54-23W		<0.2	4	<5		<2	
S 54-06E		<0.2	3	<5		<2		S 54-24W		<0.2	2	<5		<2	
S 54-07E		<0.2	2	<5		<2		S 54-25W		<0.2	2	<5		3	
S 54-08E		<0.2	2	<5		4		S 54-26W		<0.2	3	<5		<2	
S 54-09E		<0.2	2	<5		4		S 54-27W		<0.2	2	<5	9.00	5	
S 54-10E		<0.2	3	5		2		S 54-28W		<0.2	3	<5	12.00	3	
S 54-11E		<0.2	3	<5		<2		S 54-29W		<0.2	2	<5		6	
S 54-12E		<0.2	4	<5		6		S 54-30W		0.2	2	<5		5	
S 54-13E		<0.2	4	<5		<2		S 60-1W		<0.2	4	<5		4	
S 54-14E		<0.2	3	<5		<2		S 60-02W		<0.2	4	<5		<2	
S 54-15E		<0.2	3	<5		4		S 60-03W		<0.2	7	<5		<2	
S 54-16E		<0.2	3	<5		<2		S 60-04W		<0.2	8	<5		3	
S 54-17E		<0.2	6	<5		4		S 60-05W		<0.2	7	<5		<2	
S 54-18E		<0.2	11	<5		3		S 60-06W		<0.2	4	<5		<2	
S 54-19E		<0.2	6	<5		<2		S 60-07W		<0.2	13	<5		7	
S 54-20E		<0.2	4	<5		4		S 60-08W		0.2	9	<5		3	
S 54-21E		<0.2	4	<5		<2		S 60-09W		<0.2	13	<5		4	
S 54-0W		<0.2	8	<5		6		S 60-10W		<0.2	3	<5		<2	
S 54-01W		<0.2	7	<5		4		S 60-11W		<0.2	6	<5		3	
S 54-02W		0.3	11	<5		<2		S 60-12W		<0.2	3	<5		<2	
S 54-03W		<0.2	8	<5		4		S 60-13W		<0.2	7	<5		<2	

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Geochemical Lab Report

REPORT: 124-3973 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Au PPB	wt/Au gm	Sb PPM	NOTE
S 60-14W		<0.2	12	<5		<2	
S 60-15W		<0.2	7	<5		3	
S 60-16W		<0.2	7	5		<2	
S 60-17W		<0.2	11	<5		4	
S 60-18W		<0.2	11	<5		<2	
S 60-19W		<0.2	2	<5		2	
S 60-20W		<0.2	4	<5		3	
S 60-21W		<0.2	3	<5		6	
S 60-22W		<0.2	2	<5		<2	
S 60-23W		<0.2	4	<5		<2	
S 60-24W		<0.2	2	<5		6	
S 60-25W		<0.2	4	<5		<2	
S 60-26W		<0.2	2	<5		<2	
S 60-27W		<0.2	4	<5		<2	
S 60-28W		<0.2	3	<5		<2	
S 60-29W		<0.2	4	<5		<2	
S 60-30W		<0.2	3	<5		6	
S 66-0W		<0.2	2	<5		5	
S 66-01W		<0.2	3	<5		<2	
S 66-02W		<0.2	2	<5		<2	
S 66-03W		<0.2	3	<5		4	
S 66-04W		<0.2	6	<5		3	
S 66-05W		<0.2	4	<5		<2	
S 66-06W		<0.2	3	<5		<2	
S 66-07W		<0.2	4	<5		<2	
S 66-08W		<0.2	3	<5		<2	
S 66-09W		0.2	6	<5		8	
S 66-10W		0.2	3	<5		4	
S 66-11W		<0.2	3	<5		<2	
S 66-12W		<0.2	3	<5		3	
S 66-13W		<0.2	7	<5		<2	
S 66-14W		<0.2	6	<5		<2	
S 72-01W		<0.2	4	5		<2	
S 72-02W		<0.2	3	50		<2	
S 72-03W		<0.2	4	<5		<2	
S 72-04W		<0.2	6	<5		4	
S 72-05W		<0.2	3	<5		<2	
S 72-06W		<0.2	3	<5		3	
S 72-07W		<0.2	7	<5		<2	
S 72-08W		<0.2	3	<5		5	
S 72-09W		<0.2	4	<5		<2	
S 72-10W		<0.2	7	<5		3	
S 72-11W		<0.2	7	<5		<2	
S 72-12W		0.2	4	<5		7	
S 72-13W		<0.2	8	<5		<2	
S 72-14W		0.2	3	<5		<2	
S 72-15W		<0.2	2	<5		9	
S 72-16W		<0.2	2	<5		5	
S 72-17W		<0.2	3	<5		<2	
S 72-18W		<0.2	3	<5		<2	
S 72-19W		<0.2	3	<5		<2	
S 72-20W		<0.2	18	<5		8	
S 72-21W		<0.2	7	<5		3	
S 72-22W		0.2	6	<5		6	
S 72-23W		<0.2	8	<5		7	

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Geochemical Lab Report

DEC 26 1984

SUPERIOR OIL COMPANY (TUCSON)
MR. JIM POULTER
SUPERIOR OIL CO.
P.O. BOX 31870
TUCSON, ARIZONA 85751

GERONIMO SOIL

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 124-4083

FROM: SUPERIOR OIL COMPANY (TUCSON)
DATE: 18-DEC-84 PROJECT: NONE GIVEN

SUBMITTED BY: S. DALTON

ORDER	ELEMENT	LOWER DETECTION LIMIT	EXTRACTION	METHOD	SIZE FRACTION	SAMPLE TYPE	SAMPLE PREPARATIONS
01	Ag	.2 PPM	HNO3-HCL HOT EXTR	Atomic Absorption	-80	SOILS	DRY, SEIVE -80
02	As	2 PPM	NITRIC PERCHLOR DIG	Colourimetric	-80		
03	Hg	5 PPB	HNO3-HCL HOT EXTR	Cold Vapour AA	-80		
04	Au	5 PPB	FIRE-ASSAY	Fire Assay AA	-80		
05	wt/Au	.01 gm					
06	Sb	2 PPM		X-RAY Fluorescence	-80		

REPORT COPIES TO: MR. JIM POULTER

INVOICE TO: MR. JIM POULTER

REMARKS: SAMPLE 66-20W RERUN 20gm OF -20 MESH
AU VALUE <5 ppb.
VALUES IN Au WEIGHT COLUMN ARE -20 FRACTION

DETECTION LIMITS FOR GOLD
20 GRAM SAMPLE: 5 PPB.
10 GRAM SAMPLE: 10 PPB.
1 GRAM SAMPLE: 100 PPB.

SAMPLE WT. 20 G. UNLESS OTHERWISE STATED.

NOTE:
CHECK CONCENTRATION/SAMPLE WEIGHT RATIO
FOR EFFECTIVE DETECTION LEVEL.

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Geochemical Lab Report

REPORT: 124-4083 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 60-0E		<0.2	5	55	<5	20.00	<2	
S 60-1E		<0.2	5	55	<5	20.00	<2	
S 60-2E		<0.2	7	60	<5		<2	
S 60-3E		<0.2	11	60	<5		<2	
S 60-4E		<0.2	10	45	<5		<2	
S 60-5E		<0.2	9	40	<5		<2	
S 60-6E		<0.2	5	55	<5		<2	
S 60-7E		<0.2	3	155	<5		<2	
S 60-8E		0.2	5	90	<5		<2	
S 60-9E		<0.2	6	90	<5		<2	
S 60-10E		<0.2	7	150	<5	6.00	<2	
S 60-11E		<0.2	10	60	<5		<2	
S 60-12E		0.2	24	30	<5		5	
S 60-13E		<0.2	15	60	<5		<2	
S 60-14E		<0.2	11	30	<5		3	
S 60-15E		<0.2	8	30	<5		<2	
S 60-16E		<0.2	6	15	<5		3	
S 60-17E		<0.2	5	60	<5		<2	
S 60-18E		<0.2	5	70	<5		5	
S 60-19E		<0.2	4	90	<5	12.00	3	
S 60-20E		<0.2	6	120	<5		<2	
S 66-1E		<0.2	5	70	<5	10.00	3	
S 66-3E		<0.2	5	80	<5		4	
S 66-4E		<0.2	10	65	<5		2	
S 66-5E		<0.2	10	50	<5		7	
S 66-6E		<0.2	10	90	5		<2	
S 66-8E		0.2	20	65	<5		10	
S 66-9E		0.2	21	50	<5		6	
S 66-10E		<0.2	6	40	<5		3	
S 66-11E		0.2	10	50	<5		3	
S 66-12E		<0.2	10	150	<5		7	
S 66-13E		<0.2	7	160	<5		12	
S 66-14E		<0.2	6	270	<5		11	
S 66-15E		<0.2	3	60	<5		3	
S 66-16E		<0.2	5	55	<5		<2	
S 66-17E		<0.2	5	60	<5		<2	
S 66-15W		<0.2	7	50	<5		4	
6-16W		0.2	3	45	<5	20.00	3	
S 66-17W		0.2	4	105	<5		2	
S 66-18W		0.2	5	140	<5		6	

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Geochemical Lab Report

REPORT: 124-4083

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 66-19W		0.2	5	120	<5		<2	
S 66-20W		0.2	5	100	520	15.00	<2	
S 66-21W		0.2	4	75	<5	20.00	<2	
S 66-22W		0.2	11	60	<5	4.00	<2	
S 66-23W		<0.2	3	80	<5	8.00	<2	
S 66-24W		0.2	6	110	<5		<2	
S 66-25W		<0.2	4	90	<5		<2	
S 66-26W		<0.2	4	80	<5	13.00	<2	
S 66-27W		<0.2	3	60	<5	20.00	3	
S 66-28W		<0.2	2	70	<5	15.00	<2	
S 66-29W		<0.2	2	95	<5	20.00	2	
S 66-30W		<0.2	3	50	<5		<2	
S 72-0E		0.2	5	95	<5		<2	
S 72-1E		<0.2	3	55	<5		<2	
S 72-2E		<0.2	5	50	<5		<2	
S 72-3E		<0.2	3	310	<5		<2	
S 72-4E		<0.2	6	175	<5		<2	
S 72-5E		<0.2	3	40	<5		6	
S 72-6E		<0.2	5	50	<5		<2	
S 72-7E		<0.2	4	55	<5		<2	
S 72-8E		<0.2	2	110	<5		2	
S 72-9E		<0.2	5	230	<5		4	
S 72-10E		<0.2	4	200	<5		<2	
S 72-11E		<0.2	5	1150	<5		3	
S 72-12E		<0.2	6	175	<5	8.00	6	
S 72-13E		<0.2	5	440	<5		3	
S 72-14E		<0.2	4	275	<5		6	
S 72-24W		<0.2	47	145	<5	12.00	8	
S 72-25W		<0.2	12	140	<5		3	
S 72-26W		<0.2	9	140	<5		<2	
S 72-27W		<0.2	7	90	<5		6	
S 72-28W		<0.2	3	125	<5		6	
S 72-29W		<0.2	<2	125	<5		<2	
S 72-30W		<0.2	2	115	<5		5	
S 78-0E		<0.2	6	175	<5		<2	
S 78-1E		<0.2	6	125	<5		<2	
S 78-2E		<0.2	5	90	<5		3	
78-3E		<0.2	5	75	<5		<2	
S 78-4E		<0.2	3	60	<5		<2	
S 78-5E		<0.2	10	75	<5		<2	

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Geochemical Lab Report

REPORT: 124-4083 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 78-6E		0.2	6	60	<5		<2	
S 78-7E		<0.2	5	90	<5		<2	
S 78-8E		<0.2	4	125	<5		<2	
S 78-9E		<0.2	5	115	<5		<2	
S 78-10E		<0.2	6	150	10		<2	
S 78-1W		<0.2	7	75	<5		<2	
S 78-2W		<0.2	4	60	<5		<2	
S 78-3W		<0.2	4	30	<5		<2	
S 78-4W		<0.2	3	30	<5		<2	
S 78-5W		<0.2	<2	50	5		<2	
S 78-6W		<0.2	4	50	<5		<2	
S 78-7W		0.2	2	60	<5	13.00	<2	
S 78-8W		<0.2	2	20	<5		<2	
S 78-9W		<0.2	2	30	<5	8.00	<2	
S 78-10W		<0.2	3	60	<5		4	
S 78-11W		<0.2	4	55	<5		<2	
S 78-12W		<0.2	4	80	<5		<2	
S 78-13W		<0.2	4	40	<5		<2	
S 78-14W		<0.2	3	50	<5		<2	
S 78-15W		<0.2	7	80	<5		<2	
S 78-16W		<0.2	3	55	<5		3	
S 78-17W		<0.2	5	70	<5	3.00	4	
S 78-18W		<0.2	2	55	<5		<2	
S 78-19W		<0.2	3	120	<5	6.00	<2	
S 78-20W		<0.2	16	100	<5		<2	
S 78-21W		<0.2	4	110	<5		<2	
S 78-22W		<0.2	3	90	10		2	
S 78-23W		<0.2	2	60	<5		4	
S 78-24W		<0.2	4	125	<5		6	
S 78-25W		<0.2	3	60	<5		5	
S 78-26W		<0.2	<2	25	<5		5	
S 78-27W		<0.2	4	50	<5		4	
S 78-28W		<0.2	4	40	<5		3	
S 78-29W		<0.2	4	60	<5		4	
S 78-30W		<0.2	4	45	<5	2.00	4	
S 84-0E		0.2	4	90	<5		4	
S 84-1E		<0.2	5	50	<5		<2	
84-2E		<0.2	4	40	<5		2	
84-3E		<0.2	5	40	<5		5	
S 84-4E		<0.2	5	50	<5	8.00	3	

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Geochemical Lab Report

REPORT: 124-4083

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 84-5E		<0.2	5	40	<5		<2	
S 84-6E		<0.2	4	50	<5		4	
S 84-7E		<0.2	4	55	<5		<2	
S 84-8E		<0.2	4	50	<5		<2	
S 84-9E		<0.2	3	10	<5		<2	
S 84-10E		<0.2	3	75	<5		2	
S 84-11E		<0.2	3	70	<5		4	
S 84-12E		<0.2	5	90	<5		<2	
S 84-13E		<0.2	5	75	<5		<2	
S 84-14E		<0.2	<2	65	<5		<2	
S 84-1W		<0.2	4	60	<5	8.00	<2	
S 84-2W		<0.2	4	80	<5		<2	
S 84-3W		<0.2	5	75	<5		<2	
S 84-4W		<0.2	2	60	<5		4	
S 84-5W		<0.2	4	55	<5		<2	
S 84-6W		<0.2	2	55	<5		<2	
S 84-7W		<0.2	2	80	<5		<2	
S 84-8W		<0.2	5	100	<5	5.00	<2	
S 84-9W		<0.2	4	55	<5		<2	
S 84-10W		<0.2	3	45	<5		<2	
S 84-11W		<0.2	4	55	<5		<2	
S 84-12W		<0.2	3	70	<5		4	
S 84-13W		<0.2	4	70	<5	13.00	4	
S 84-14W		<0.2	3	70	<5		<2	
S 84-15W		<0.2	4	90	<5	10.00	4	
S 84-16W		<0.2	4	65	<5	5.00	2	
S 84-17W		<0.2	5	90	<5	14.00	3	
S 84-18W		<0.2	10	100	<5		4	
S 84-19W		<0.2	2	50	<5		<2	
S 84-20W		<0.2	<2	65	<5		5	
S 84-21W		<0.2	2	25	<5		<2	
S 84-22W		<0.2	4	90	<5		<2	
S 84-23W		<0.2	3	35	<5		<2	
S 84-24W		<0.2	5	40	<5		<2	
S 84-25W		<0.2	6	150	<5		<2	
S 84-26W		<0.2	5	130	<5		<2	
S 84-27W		<0.2	8	105	<5		<2	
84-28W		<0.2	3	95	<5		3	
S 84-29W		<0.2	10	95	<5		<2	
S 84-30W		<0.2	3	115	5		<2	

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REPORT: 124-4083 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 90-0E		<0.2	4	80	<5		<2	
S 90-1E		<0.2	5	105	<5		<2	
S 90-2E		<0.2	5	115	<5		<2	
S 90-3E		<0.2	3	90	<5		<2	
S 90-4E		0.2	3	60	<5		<2	
S 90-5E		<0.2	<2	55	<5		<2	
S 90-6E		<0.2	<2	50	<5		<2	
S 90-7E		<0.2	2	80	<5		<2	
S 90-8E		<0.2	2	35	<5		<2	
S 90-9E		<0.2	3	50	<5		<2	
S 90-10E		<0.2	2	50	<5		<2	
S 90-11E		<0.2	2	55	<5		<2	
S 90-1W		<0.2	4	40	<5		<2	
S 90-2W		<0.2	2	45	<5		<2	
S 90-3W		<0.2	3	45	<5		<2	
S 90-4W		<0.2	2	25	<5		<2	
S 90-5W		<0.2	4	35	<5		<2	
S 90-6W		<0.2	3	45	<5		<2	
S 90-7W		<0.2	4	60	<5		<2	
S 90-8W		<0.2	3	15	<5		<2	
S 90-9W		<0.2	3	20	<5		3	
S 90-10W		<0.2	4	20	<5		<2	
S 90-11W		<0.2	2	25	<5		6	
S 90-12W		<0.2	3	25	<5		2	
S 90-13W		<0.2	4	35	<5		<2	
S 90-14W		<0.2	2	40	<5		<2	
S 90-15W		<0.2	4	25	<5		<2	
S 90-16W		<0.2	3	50	<5		2	
S 90-17W		<0.2	10	30	<5		2	
S 90-18W		<0.2	60	45	25		3	
S 90-19W		<0.2	4	30	<5		4	
S 90-20W		<0.2	4	30	<5		<2	
S 90-21W		<0.2	3	20	<5		3	
S 90-22W		<0.2	2	40	<5		3	
S 90-23W		<0.2	<2	20	<5		<2	
S 90-24W		<0.2	3	30	<5		3	
S 90-25W		<0.2	2	20	<5		2	
90-26W		<0.2	4	20	<5		<2	
S 90-27W		<0.2	3	40	<5		5	
S 90-28W		<0.2	3	15	<5		<2	

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BONDAR-CLEGG

Geochemical Lab Report

REPORT: 124-4083

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 90-29W		<0.2	2	80	<5		<2	
S 90-30W		<0.2	3	95	<5		3	
S 96-0E		<0.2	4	360	<5		<2	
S 96-1E		<0.2	6	95	<5		<2	
S 96-2E		<0.2	6	60	<5		<2	
S 96-3E		<0.2	5	80	<5		<2	
S 96-4E		<0.2	4	80	<5		<2	
S 96-5E		<0.2	3	60	<5		<2	
S 96-6E		<0.2	2	65	<5		<2	
S 96-7E		<0.2	2	75	<5		<2	
S 96-8E		<0.2	2	60	15		<2	
S 96-9E		<0.2	3	50	<5		<2	
S 96-10E		<0.2	4	115	<5	18.00	7	
S 96-1W		<0.2	4	170	<5		<2	
S 96-2W		<0.2	6	130	<5		<2	
S 96-3W		<0.2	4	55	<5		<2	
S 96-4W		<0.2	4	90	<5		<2	
S 96-5W		<0.2	2	80	<5	11.00	<2	
S 96-6W		<0.2	4	45	<5	10.00	<2	
S 96-7W		<0.2	5	80	<5		<2	
S 96-8W		<0.2	4	290	<5		4	
S 96-9W		<0.2	5	100	<5		<2	
S 96-10W		0.2	10	140	<5		<2	
S 96-11W		<0.2	4	45	<5	20.00	7	
S 96-12W		<0.2	4	30	<5	20.00	5	
S 96-13W		<0.2	7	50	<5		<2	
S 96-14W		<0.2	4	40	<5		3	
S 96-15W		<0.2	5	90	<5	18.00	<2	
S 96-16W		<0.2	5	40	<5	20.00	<2	
S 96-17W		<0.2	3	50	<5		2	
S 96-18W		<0.2	2	30	<5	20.00	4	
S 96-19W		<0.2	7	35	<5	20.00	4	
S 96-20W		<0.2	4	50	<5	12.00	3	
S 96-21W		<0.2	4	35	35		3	
S 96-22W		<0.2	5	40	<5	18.00	2	
S 96-23W		0.2	4	45	<5		<2	
S 96-24W		<0.2	8	40	<5	17.00	<2	
96-25W		<0.2	3	25	<5	20.00	5	
96-26W		<0.2	3	35	<5	7.00	4	
S 96-27W		<0.2	4	30	<5		3	

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Geochemical Lab Report

REPORT: 124-4083 PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Ba PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 96-28W		<0.2	3	35	<5		<2	
S 96-29W		<0.2	3	35	<5		<2	
S 96-30W		<0.2	3	40	<5		<2	
S 102-1E		<0.2	5	145	<5		<2	
S 102-2E		<0.2	6	230	15		<2	
S 102-3E		<0.2	6	160	<5	6.00	<2	
S 102-4E		<0.2	5	95	5		<2	
S 102-5E		<0.2	5	130	<5	18.00	<2	
S 102-6E		<0.2	4	90	<5		<2	
S 102-7E		<0.2	5	110	<5	10.00	<2	
S 102-8E		<0.2	5	80	<5		<2	
S 102-9E		<0.2	4	100	<5	16.00	<2	
S 102-10E		<0.2	5	80	<5	20.00	<2	
S 102-0W		<0.2	5	115	<5		<2	
S 102-1W		<0.2	6	115	<5		5	
S 102-2W		<0.2	4	80	<5		<2	
S 102-3W		<0.2	5	90	<5		<2	
S 102-4W		<0.2	4	85	<5		<2	
S 102-5W		<0.2	3	65	<5	18.00	<2	
S 102-6W		<0.2	2	75	<5		<2	
S 102-7W		<0.2	3	80	<5		4	
S 102-8W		<0.2	4	75	<5	2.00	<2	
S 102-9W		<0.2	5	95	<5		<2	
S 102-10W		<0.2	4	80	<5	12.00	<2	
S 102-11W		<0.2	4	60	<5		5	
S 102-12W		<0.2	5	95	<5		2	
S 102-13W		<0.2	2	40	<5		4	
S 102-14W		<0.2	5	60	40		<2	
S 102-15W		<0.2	12	115	35		<2	
S 102-16W		<0.2	5	55	<5	12.00	<2	
S 102-17W		<0.2	5	55	<5		3	
S 102-18W		<0.2	6	30	<5		4	
S 102-19W		<0.2	21	65	<5	16.00	3	
S 102-20W		0.2	15	45	<5		4	
S 102-21W		<0.2	9	55	<5		<2	
S 102-22W		1.2	100	150	10		6	
S 102-23W		<0.2	7	65	5	7.00	<2	
102-24W		<0.2	20	35	<5		<2	
S 102-25W		<0.2	5	60	<5		3	
S 102-26W		<0.2	8	60	<5		<2	

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Geochemical Lab Report

REPORT: 124-4083

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 102-27W		<0.2	5	35	<5		<2	
S 102-28W		<0.2	5	50	<5		<2	
S 102-29W		<0.2	8	45	<5		3	
S 102-30W		<0.2	12	40	<5		9	
S 108-0E		<0.2	6	55	<5		<2	
S 108-1E		<0.2	4	110	<5		<2	
S 108-2E		<0.2	5	130	<5		<2	
S 108-3E		0.2	4	120	<5		<2	
S 108-4E		<0.2	4	80	10		<2	
S 108-5E		0.2	8	90	<5	2.00	3	
S 108-6E		0.2	6	100	<5		<2	
S 108-7E		0.2	5	95	<5		<2	
S 108-8E		0.2	5	80	<5		<2	
S 108-9E		<0.2	5	90	<5		<2	
S 108-10E		<0.2	5	100	<5		<2	
S 108-1W		<0.2	3	80	<5		<2	
S 108-2W		<0.2	3	50	<5	14.00	<2	
S 108-3W		0.2	5	50	<5	6.00	<2	
S 108-4W		<0.2	6	85	<5		<2	
S 108-5W		<0.2	5	85	10		<2	
S 108-6W		<0.2	5	90	<5		<2	
S 108-7W		<0.2	5	40	<5	12.00	4	
S 108-8W		<0.2	4	35	<5		<2	
S 108-9W		<0.2	5	40	<5		<2	
S 108-10W		<0.2	6	100	<5		2	
S 108-11W		<0.2	9	50	<5		<2	
S 108-12W		<0.2	5	30	<5		<2	
S 108-13W		<0.2	10	60	<5		4	
S 108-14W		<0.2	5	80	<5	8.00	<2	
S 108-15W		0.2	4	60	<5		<2	
S 108-16W		<0.2	5	65	<5		3	
S 108-17W		<0.2	5	85	<5		2	
S 108-18W		<0.2	9	80	<5		3	
S 108-19W		0.2	6	60	<5		4	
S 108-20W		<0.2	7	50	15	14.00	<2	
S 108-21W		<0.2	4	50	5		3	
S 108-22W		<0.2	10	90	<5		<2	
108-23W		0.3	20	75	20	10.00	<2	
S 108-24W		0.4	30	150	65		<2	
S 108-25W		1.0	45	130	5		<2	

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Geochemical Lab Report

REPORT: 124-4083

PROJECT: NONE GIVEN

SAMPLE NUMBER	ELEMENT UNITS	Ag PPM	As PPM	Hg PPB	Au PPB	wt/Au gm	Sb PPM	NOTES
S 108-26W		<0.2	28	100	10		<2	
S 108-27W		<0.2	20	60	5		<2	
S 108-28W		<0.2	5	35	<5		<2	
S 108-29W		<0.2	19	80	5		10	
S 108-30W		<0.2	83	65	35		<2	

PROSPECT: GERONIMO
CONDITIONS: IG Soil
Time in: 11:02 Time out: 12:02 Temp: 150°C.

DATE: 11/29/84
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	36-1W	A-1	7	3		~~36-6W~~	~~B-1~~			
2	36-2W	A-2	9	4						
3	36-3W	A-3	18	8						
4	36-4W	A-4	6	3						
5	36-5W	A-5	5	2						
6	36-6W	A-6	250	117						
7	36-7W	A-7	6	3		Standards	4.3 mV	27	22°C	
8	36-8W	A-8	25	12						
9	36-9W	A-9	6	3						15.5 mg/Kg
10	36-10W	A-10	6	3						
11	36-11W	A-11	5	2						
12	36-12W	A-12	4	2			.47			
13	36-13W	A-13	7	3						
14	36-14W	A-14	6	3						
15	36-15W	A-15	4	2						
16	36-16W	A-16	10	5						
17	36-17W	A-17	8	4						
18	36-18W	A-18	7	3						
19	36-19W	A-19	11	5						
20	36-20W	A-20	5	2						
21	36-21W	A-21	10	5						
22	36-22W	A-22	11	5						
23	36-23W	A-23	8	4						
24	36-25W	A-24	8	4						
25	36-26W	A-25	10	5						
26	36-27W	A-26	13	6						
27	36-28W	A-27	7	3						
28	36-29W	A-28	5	2						
29	36-30W	A-29	7	3						
30	36-0E	A-30	3	1						
31	36-1E	A-31	6	3						
32	36-2E	A-32	6	3						
33	36-3E	A-33	4	2						
34	36-4E	A-34	20	9						
35	36-5E	A-35	10	5						
36	36-6E	A-36	38	18						
37	36-7E	A-37	37	18						
38	36-8E	A-38	6	3						
39	36-9E	A-39	5	2						
40	36-10E	A-40	4	2						
41	36-11E	A41	5	2						
42	36-12E	A-42	3	1						
43	36-13E	A-43	4	2						
44	36-14E	A-44	7	3						
45	36-15E	A-45	5	2						
46	36-16E	A-46	7	3						
47	36-17E	A-47	4	2						
48	36-18E	A-48	10	5						
49	36-19E	A-49	8	4						
50	36-20E	A-50	7	3						

PROSPECT: PGERONIMO DATE: 11/30/81
CONDITIONS: 16 Soil SENS:
Time in: 10:56 Time out: 11:56 Temp: 150°C Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	36-6W	B-1	9	4	36-6W-2ND					
2	36-21E	B-2	6	3		Standards:		34 mV	12	23°C
3	36-22E	B-3	9	4						
4	36-23E	B-4	7	3						16.9 mg/Hg
5	36-24E	B-5	9	4						
6	36-25E	B-6	21	10						
7	36-26E	B-7	5	2						
8	36-27E	B-8	6	3						
9	36-28E	B-9	6	3						
10	36-29E	B-10	11	5						
11	36-30E	B-11	11	5						
12	42-1W	B-12	14	7						
13	42-2W	B-13	9	4						
14	42-3W	B-14	3	1						
15	42-4W	B-15	6	3						
16	42-5W	B-16	4	2						
17	42-6W	B-17	1	1						
18	42-7W	B-18	2	1						
19	42-8W	B-19	1	1						
20	42-9W	B-20	1	1						
21	42-10W	B-21	1	1						
22	42-11W	B-22	2	1						
23	42-12W	B-23	3	1						
24	42-13W	B-24	1	1						
25	42-14W	B-25	2	1						
26	42-15W	B-26	24	11						
27	42-16W	B-27	2	1						
28	42-17W	B-28	2	1						
29	42-18W	B-29	9	4						
30	42-19W	B-30	6	3						
31	42-20W	B-31	12	6						
32	42-21W	B-32	15	7						
33	42-22W	B-33	3	1						
34	42-23W	B-34	7	3						
35	42-24W	B-35	0	—						
36	42-25W	B-36	3	1						
37	42-26W	B-37	8	4						
38	42-27W	B-38	0	—						
39	42-28W	B-39	0	—						
40	42-29W	B-40	2	1						
41	42-30W	B-41	1	1						
42	42-0E	B-42	8	4						
43	42-1E	B-43	1	1						
44	42-2E	B-44	20	9						
45	42-3E	B-45	6	3						
46	42-4E	B-46	0	—						
47	42-5E	B-47	6	3						
48	42-6E	B-48	25	12						
49	42-7E	B-49	3	1						
50	42-8E	B-50	10	5						

PROSPECT: GERONIMO
CONDITIONS: 1G soil
Time in: 4:17 Time out: 5:17 Temp: 150°C

DATE: 11/30/84
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	42-9E	~~B-1~~ A-1	6	3						
2	42-10E	A-2	5	2			Stand.	30 mV at	21°C	
3	42-11E	A-3	12	6					14.4	µg/Hg
4	42-12E	A-4	5	2						
5	42-13E	A-5	6	3						
6	42-14E	A-6	7	3						
7	42-15E	A-7	5	2						
8	42-16E	A-8	3	1						
9	42-17E	A-9	8	4						
10	42-18E	A-10	6	3						
11	42-19E	A-11	16	7						
12	42-20E	A-12	26	12						
13	42-21E	A-13	9	4						
14	42-22E	A-14	7	3						
15	42-23E	A-15	5	2						
16	42-24E	A-16	5	2						
17	42-25E	A-17	5	2						
18	42-26E	A-18	5	2						
19	42-27E	A-19	4	2						
20	42-28E	A-20	4	2						
21	42-29E	A-21	4	2						
22	42-30E	A-22	7	3						
23	48-1E	A-23	7	3						
24	48-2E	A-24	6	3						
25	48-3E	A-25	3	1						
26	48-4E	A-26	54	25						
27	48-5E	A-27	34	16						
28	48-6E	A-28	7	3						
29	48-7E	A-29	15	7						
30	48-8E	A-30	14	7						
31	48-9E	A-31	8	4						
32	48-10E	A-32	6	3						
33	48-11E	A-33	3	1						
34	48-12E	A-34	3	1						
35	48-13E	A-35	5	2						
36	48-14E	A-36	4	2						
37	48-15E	A-37	2	1						
38	48-16E	A-38	7	3						
39	48-17E	A-39	0	—						
40	48-18E	A-40	2	1						
41	48-19E	A-41	9	4						
42	48-20E	A-42	1	1						
43	48-21E	A-43	1	1						
44	48-22E	A-44	1	1						
45	48-23E	A-45	0	—						
46	48-0W	A-46	1	1						
47	48-1W	A-47	21	10						
48	48-2W	A-48	10	5						
49	48-3W	A-49	2	1						
50	48-4W	A-50	1	1						

PROSPECT: GERONIMO
CONDITIONS: 16 soil
Time in: 9:49 Time out: 10:55 Temp: 150 °C

DATE: 12/1/84
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	48-5W	B-1	7	3		Standards.		28MV	at	20°C
2	48-6W	B-2	6	4						
3	48-7W	B-3	6	3						
4	48-8W	B-4	47	22						13.17 mg/Hg
5	48-9W	B-5	4	2						
6	48-10W	B-6	7	3						
7	48-11W	B-7	5	2						
8	48-12W	B-8	5	2						
9	48-13W	B-9	9	4						
10	48-14W	B-10	7	3						
11	48-15W	B-11	10	5						
12	48-16W	B-12	4	2						
13	48-17W	B-13	4	2						
14	48-19W	B-14	9	4						
15	48-20W	B-15	1	1						
16	48-21W	B-16	2	1						
17	48-22W	B-17	9	4						
18	48-23W	B-18	9	4						
19	48-24W	B-19	5	2						
20	48-25W	B-20	5	2						
21	48-26W	B-21	4	2						
22	48-27W	B-22	3	1						
23	48-28W	B-23	4	2						
24	48-29W	B-24	11	5						
25	48-30W	B-25	4	2						
26	36-6W	B-26	6	3	36-6W 3RD					
27	54-1E	B-27	5	2						
28	54-2E	B-28	8	4						
29	54-3E	B-29	36	17						
30	54-4E	B-30	35	16						
31	54-5E	B-31	69	32						
32	54-6E	B-32	27	13						
33	54-7E	B-33	10	5						
34	54-8E	B-34	11	5						
35	54-10E	B-35	2	1						
36	54-11E	B-36	5	2						
37	54-12E	B-37	7	3						
38	54-13E	B-38	5	2						
39	54-14E	B-39	3	1						
40	54-15E	B-40	8	4						
41	54-16E	B-41	7	3						
42	54-17E	B-42	2	1						
43	54-18E	B-43	5	2						
44	54-19E	B-44	8	4						
45	54-20E	B-45	14	7						
46	54-21E	B-46	34	16	54-21E					
47	54-0W	B-47	13	6						
48	54-1W	B-48	10	5						
49	54-2W	B-49	200	93						
50	54-3W	B-50	13	6						

PROSPECT: GERONIMO
CONDITIONS: 1 G soil
Time in: 2:38 Time out: 3:38 Temp: 150°C

DATE: 12/3/54
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	54-4W	A-1	8	4						
2	54-5W	A-2	10	5		Standard:		35mv	at	22°C
3	54-6W	A-3	13	6						
4	54-7W	A-4	18	8						1554 mg/Hg
5	54-8W	A-5	5	2						
6	54-9W	A-6	7	3						
7	54-10W	A-7	32	15						
8	54-11W	A-8	7	3						
9	54-12W	A-9	5	2						
10	54-13W	A-10	12	6						
11	54-14W	A-11	8	4						
12	54-15W	A-12	25	12						
13	54-16W	A-13	14	6						
14	54-17W	A-14	5	2						
15	54-18W	A-15	8	4						
16	54-19W	A-16	7	3						
17	54-20W	A-17	8	4						
18	54-21W	A-18	15	7						
19	54-22W	A-19	10	5						
20	54-23W	A-20	8	4						
21	54-24W	A-21	14	6						
22	54-25W	A-22	8	4						
23	54-26W	A-23	7	3						
24	54-27W	A-24	8	4						
25	54-28W	A-25	18	8						
26	54-29W	A-26	27	13						
27	54-30W	A-27	8	4						
28	66-0W	A-28	12	6						
29	66-2W	A-29	12	6						
30	66-3W	A-30	11	5						
31	66-4W	A-31	14	6						
32	66-7W	A-32	22	10						
33	66-8W	A-33	19	9						
34	66-9W	A-34	16	7						
35	66-10W	A-35	15	7						
36	66-11W	A-36	7	3						
37	66-12W	A-37	8	4						
38	66-13W	A-38	15	7						
39	66-14W	A-39	8	4						
40	54-2W	A-40	17	8	2nd					
41	60-1W	A-41	8	4						
42	60-3W	A-42	10	5						
43	60-4W	A-43	8	4						
44	60-5W	A-44	5	2						
45	60-7W	A-45	5	2						
46	60-8W	A-46	10	5						
47	60-9W	A-47	9	4						
48	60-10W	A-48	5	2						
49	60-11W	A-49	7	3						
50	60-12W	A-50	4	2						

PROSPECT: GERONIMO
CONDITIONS: 16 Soil
Time in: 2:35 Time out: 3:35 Temp: 150°C

DATE: 12/3/84
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	60-13W	B-1	7	3						
2	60-14W	B-2	5	2		Standards. 33mv at 24°C				
3	60-15W	B-3	6	3						
4	60-16W	B-4	5	2						18.3mg/Hg
5	60-18W	B-5	27	13						
6	60-20W	B-6	13	6						
7	60-21W	B-7	4	2						
8	60-22W	B-8	5	2						
9	60-23W	B-9	9	4						
10	60-25W	B-10	10	5						
11	60-27W	B-11	12	6						
12	60-28W	B-12	8	4						
13	60-29W	B-13	4	2						
14	72-1W	B-14	16	7						
15	72-3W	B-15	9	4						
16	72-5W	B-16	12	6						
17	72-6W	B-17	10	5						
18	72-8W	B-18	9	4						
19	72-9W	B-19	2	1						
20	72-10W	B-20	7	3						
21	72-11W	B-21	4	2						
22	72-12W	B-22	2	1						
23	72-13W	B-23	4	2						
24	72-16W	B-24	7	3						
25	72-19W	B-25	4	2						
26	72-20W	B-26	38	18						
27	72-21W	B-27	5	2						
28	72-22W	B-28	17	8						
29	72-23W	B-29	10	5						
30	78-1W	B-30	10	5						
31	78-2W	B-31	7	3						
32	78-3W	B-32	2	1						
33	78-4W	B-33	0	—						
34	78-5W	B-34	0	—						
35	78-6W	B-35	6	3						
36	78-15W	B-36	11	5						
37	78-16W	B-37	3	1						
38	78-22W	B-38	5	2						
39	78-23W	B-39	1	1						
40	78-24W	B-40	6	3						
41	78-25W	B-41	4	2						
42	78-29W	B-42	5	2						
43	78-0E	B-43	16	7						
44	78-1E	B-44	22	10						
45	78-2E	B-45	3	1						
46	78-3E	B-46	5	2						
47	78-4E	B-47	0	—						
48	78-5E	B-48	1	1						
49	78-6E	B-49	7	3						
50	78-7E	B-50	9	4						

PROSPECT: GERONIMO
CONDITIONS: 1G soil
Time in: 10:53 Time out: 1:53 Temp: 150°C

DATE: 12/5/84
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	78-8E	B-1	18	8						
2	78-9E	B-2	8	4		Standards 40 mV at 23°C				
3	78-10E	B-3	18	8						
4	72-0E	B-4	11	5						16.9 mg/Hg
5	72-1E	B-5	5	2						
6	72-2E	B-6	14	6						
7	72-3E	B-7	27	13						
8	72-4E	B-8	12	6						
9	72-5E	B-9	1	1						
10	72-6E	B-10	8	4						
11	72-7E	B-11	3	1						
12	72-8E	B-12	15	7						
13	72-9E	B-13	13	6						
14	72-10E	B-14	9	4						
15	72-11E	B-15	91	42						
16	72-12E	B-16	14	6						
17	72-13E	B-17	36	17	36 mV					
18	72-14E	B-18	39	18						
19	72-24W	B-19	45	21						
20	72-25W	B-20	8	4						
21	72-26W	B-21	12	6						
22	72-27W	B-22	6	3						
23	72-28W	B-23	7	3						
24	72-29W	B-24	9	4						
25	72-30W	B-25	7	3						
26	102-1E	B-26	24	11						
27	102-2E	B-27	~~49~~ 37	17	37 mV					
28	102-3E	B-28	37	17						
29	102-4E	B-29	9	4						
30	102-6E	B-30	5	2						
31	102-7E	B-31	12	6						
32	102-8E	B-32	4	2						
33	66-1E	B-33	12	6						
34	66-3E	B-34	7	3						
35	66-4E	B-35	5	2						
36	66-5E	B-36	7	3						
37	66-6E	B-37	17	8						
38	66-8E	B-38	10	5						
39	66-9E	B-39	13	6						
40	66-10E	B-40	3	1						
41	66-11E	B-41	5	2						
42	66-12E	B-42	26	12						
43	66-13E	B-43	21	10						
44	66-14E	B-44	33	15						
45	66-15E	B-45	5	2						
46	66-16E	B-46	3	1						
47	66-17E	B-47	6	3						
48	66-15W	B-48	4	2						
49	66-17W	B-49	5	2						
50	66-18W	B-50	5	2						

PROSPECT: GERONIMO DATE: 12/5/84
CONDITIONS: 16 soil SENS:
Time in: 2:04 Time out: 3:04 Temp: 85°C Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	66-19W	A-1	7	3						
2	66-22W	A-2	2	1		standards: 41 mV at 23°C				
3	66-23W	A-3	6	3						
4	66-24W	A-4	16	7						16.9 ng/Hg
5	66-28W	A-5	0	—						
6	66-29W	A-6	7	3						
7	66-30W	A-7	8	4						
8	84-3W	A-8	2	1						
9	84-4W	A-9	1	1						
10	84-5W	A-10	2	1						
11	84-6W	A-11	1	1						
12	84-7W	A-12	8	4						
13	84-8W	A-13	27	10						
14	84-9W	A-14	4	2						
15	84-11W	A-15	4	2						
16	84-12W	A-16	2	1						
17	84-20W	A-17	6	3						
18	84-26W	A-18	15	7						
19	84-0E	A-19	9	4						
20	84-1E	A-20	4	2						
21	84-2E	A-21	2	1						
22	84-3E	A-22	3	1						
23	84-5E	A-23	4	2						
24	84-6E	A-24	2	1						
25	84-7E	A-25	3	1						
26	84-8E	A-26	5	2						
27	84-9E	A-27	3	1						
28	84-12E	A-28	11	5						
29	84-13E	A-29	4	2						
30	84-14E	A-30	3	1						
31	96-0E	A-31	46	21						
32	96-1E	A-32	1	1						
33	96-2E	A-33	1	1						
34	96-3E	A-34	0	—						
35	96-4E	A-35	1	1						
36	96-6E	A-36	0	—						
37	90-1W	A-37	1	1						
38	90-3W	A-38	2	1						
39	90-5W	A-39	0	—						
40	90-7W	A-40	3	1						
41	90-9W	A-41	0	—						
42	90-10W	A-42	0	—						
43	90-16W	A-43	0	—						
44	90-17W	A-44	1	1						
45	90-18W	A-~~46~~45	3	1						
46	90-19W	A-46	0	—						
47	90-20W	A-47	0	—						
48	90-21W	A-48	0	—						
49	90-22W	A-49	2	1						
50	90-23W	A-50								

PROSPECT: GERONIMO
CONDITIONS: 1 G Soil
Time in: 9:56 Time out: 10:56 Temp: 150°C

DATE: 12/7/84
SENS:
Code: Name:

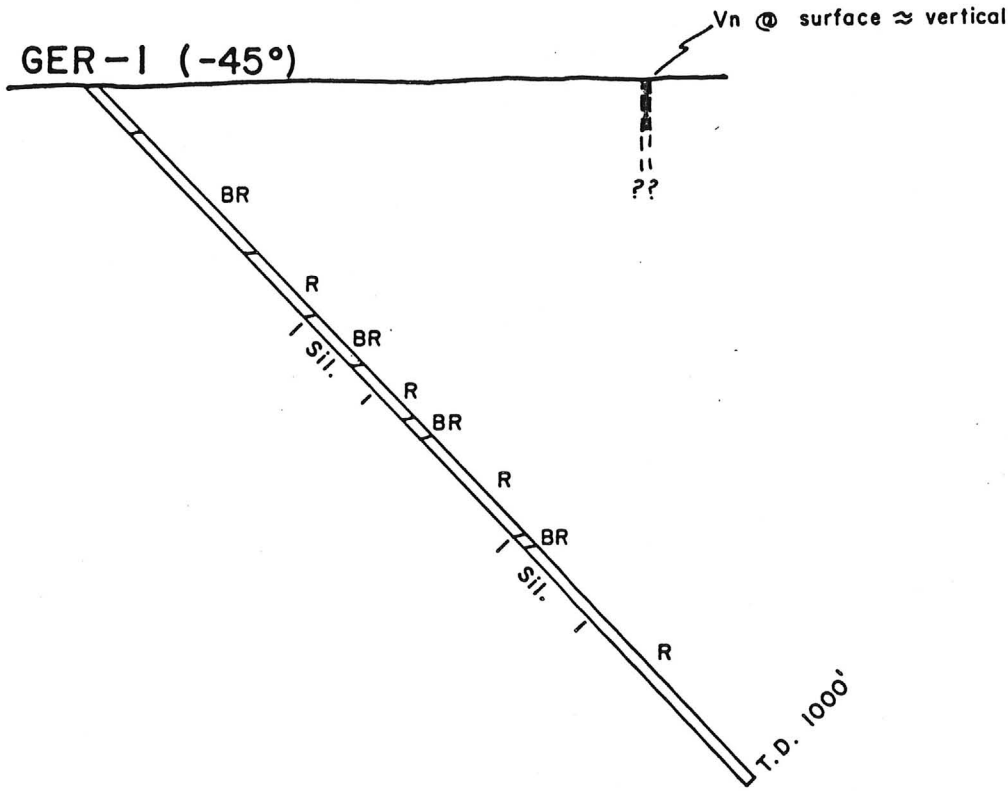
	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	90-24W	A-1	3	1						
2	90-25W	A-2	2	1						
3	90-26W	A-3	7	3		Standards:		42 mv at		25°C
4	90-27W	A-4	8	4						
5	90-28W	A-5	3	1						19.9 ng/Hg
6	90-29W	A-6	3	1						
7	90-0E	A-7	5	2						
8	90-1E	A-8	8	4						
9	90-2E	A-9	10	5						
10	90-3E	A-10	7	3						
11	90-4E	A-11	7	3						
12	90-5E	A-12	4	2						
13	90-6E	A-13	3	1						
14	90-7E	A-14	4	2						
15	90-8E	A-15	3	1						
16	90-9E	A-16	3	1						
17	90-10E	A-17	4	2						
18	90-11E	A-18	10	5						
19	60-2E	A-19	10	5						
20	60-3E	A-20	9	4						
21	60-4E	A-21	6	3						
22	60-5E	A-22	1	1						
23	60-6E	A-23	3	1						
24	60-7E	A-24	23	11						
25	60-9E	A-25	9	4						
26	60-10E	A-26	13	6						
27	60-11E	A-27	4	2						
28	60-12E	A-28	2	1						
29	60-13E	A-29	0	—						
30	60-14E	A-30	3	1						
31	60-15E	A-31	2	1						
32	60-16E	A-32	3	1						
33	60-17E	A-33	8	4						
34	60-18E	A-34	13	6						
35	60-19E	A-35	13	6						
36	60-20E	A-36	20	10						
37	96-1W	A-37	17	8						
38	96-2W	A-38	4	2						
39	96-3W	A-39	8	4						
40	96-4W	A-40	10	5						
41	96-7W	A-41	12	6						
42	96-8W	A-42	61	28						
43	96-9W	A-43	7	3						
44	96-10W	A-44	15	7						
45	96-13W	A-45	10	5						
46	96-14W	A-46	4	2						
47	96-17W	A-47	4	2						
48	96-21W	A-48	6	3						
49	96-23W	A-49	5	2						
50	96-26W	A-50	8	4						

PROSPECT: GERONIMO
CONDITIONS: IG Soil
Time in: 1:15 Time out: 2:15 Temp: 150°C

DATE: 12/7/54
SENS:
Code: Name:

	Sample #	Vial #	MV.	PPB	Remarks	Sample #	Vial #	MV.	PPB	Remarks
1	96-27W	B-1	4	2						
2	96-28W	B-2	2	1						
3	96-29W	B-3	2	1		Standards	38 mV at 26°C			
4	96-30W	B-4	2	1						
5	108-4W	B-5	6	3						21.5 in/Hg
6	108-5W	B-6	14	7						
7	108-6W	B-7	15	7						
8	108-8W	B-8	5	2						
9	108-9W	B-9	4	2						
10	108-10W	B-10	9	4						
11	108-11W	B-11	5	2						
12	108-12W	B-12	2	1						
13	108-13W	B-13	13	6						
14	108-15W	B-14	0	—						
15	108-16W	B-15	0	—						
16	108-17W	B-16	4	2						
17	108-18W	B-17	4	2						
18	108-19W	B-18	2	1						
19	108-21W	B-19	1	1						
20	108-22W	B-20	2	1						
21	108-23W	B-21	9	4						
22	108-24W	B-22	25	12						
23	108-25W	B-23	26	12						
24	108-26W	B-24	14	7						
25	108-27W	B-25	3	1						
26	108-28W	B-26	0	—						
27	108-29W	B-27	5	2						
28	108-0E	B-28	1	1						
29	108-2E	B-29	5	2						
30	108-3E	B-30	11	5						
31	108-4E	B-31	1	1						
32	108-5E	B-32	10	5						
33	108-6E	B-33	6	3						
34	108-7E	B-34	6	3						
35	108-8E	B-35	3	1						
36	108-9E	B-36	5	2						
37	108-10E	B-37	1	1						
38	102-0W	B-38	9	4						
39	102-1W	B-39	13	6						
40	102-2W	B-40	7	3						
41	102-3W	B-41	11	5						
42	102-4W	B-42	5	2						
43	102-5W	B-43	1	1						
44	102-6W	B-44	1	1						
45	102-7W	B-45	7	3						
46	102-8W	B-46	9	4						
47	102-9W	B-47	10	5						
48	102-11W	B-48	4	2						
49	102-12W	B-49	13	6						
50	102-13W	B-50	4	2						

LOOKING N20E

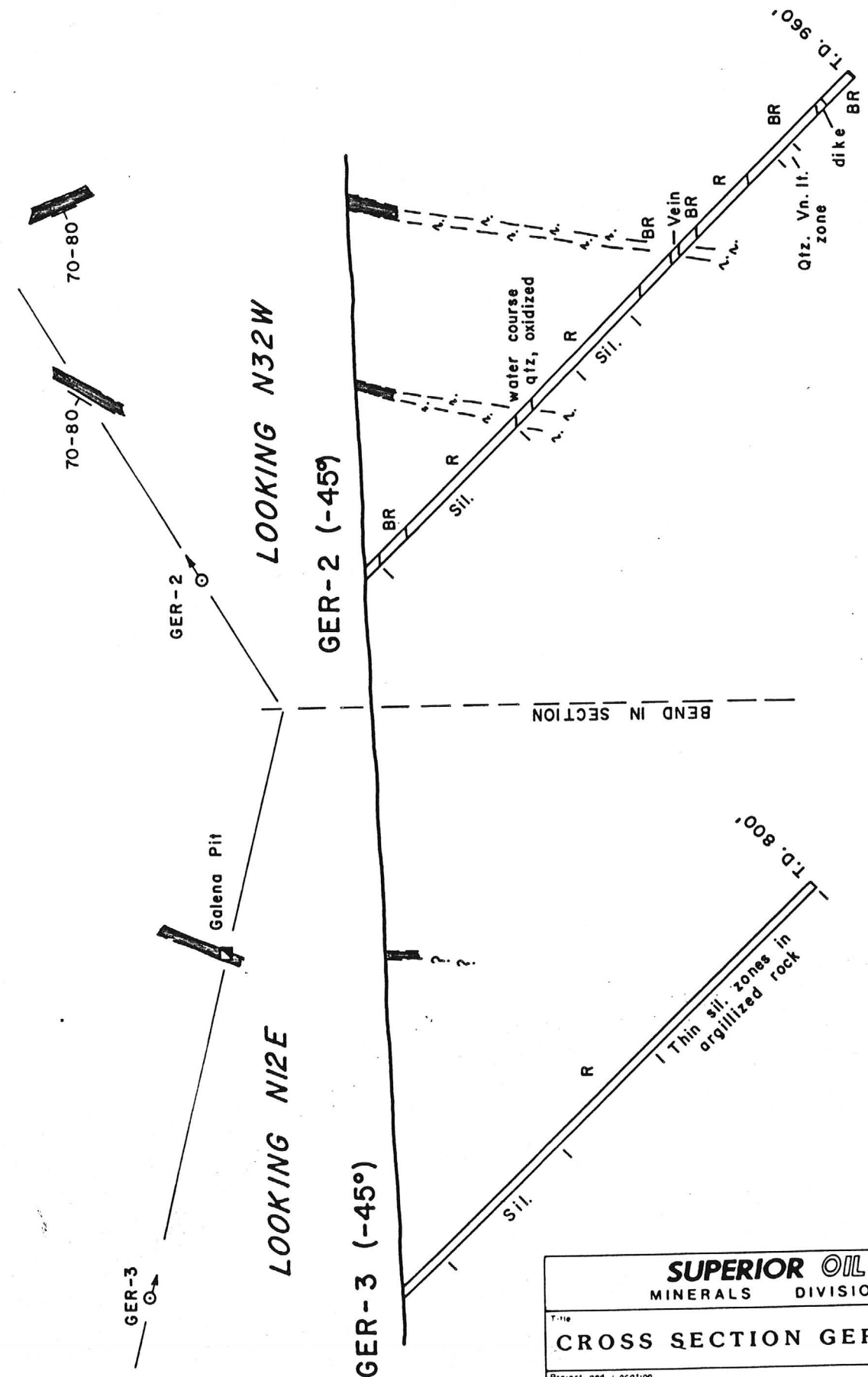


EXPLANATION

R = Rhyolite
BR = Biotite Rhyolite

SUPERIOR OIL MINERALS DIVISION	
Title: CROSS SECTION GER-1	
Project and Location: GERONIMO J.V	
Compiled by	Scale 1" = 200'
Drawn by	Date
Revised By	

PLATE VII



EXPLANATION

R = Rhyolite
BR = Biotite Rhyolite

SUPERIOR OIL
MINERALS DIVISION

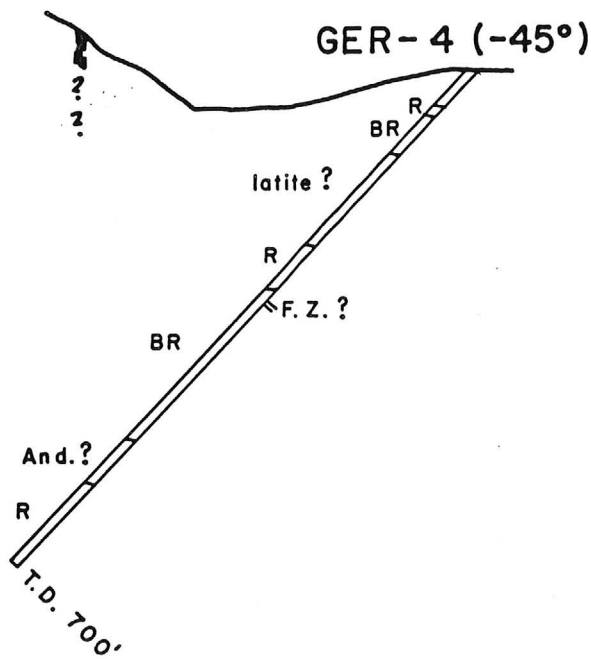
Title: CROSS SECTION GER-2 & 3

Project and Location: GERONIMO JV

Compiled by
Drawn by
Revised By
Scale 1" = 200'
Date

PLATE VIII

LOOKING N02E



EXPLANATION

R = Rhyolite
BR = Biotite Rhyolite

SUPERIOR OIL MINERALS DIVISION	
Title: CROSS SECTION GER-4	
Project and Location: GERONIMO JV	
Compiled by	Scale 1" = 200'
Drawn by	Date
Revised / By	

PLATE IX

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100 @ - 45
COORD. ,
DEPTH 1000' TYPE RCR
START 12-5-84 STOP 12-8-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	0		O C RQD: O C		0-12: Soil, overburden; No recovery - set surface casing.
	12				12-70: Weathered rock w/abundant clay. Most mat'l washes away through sieve. Rock frags left are vfg tan colored oxidized felsic volcanics.
	20		O C RQD: O C		
	40		O C RQD: O C		
	60		O C RQD: O C		
	70				70-130: Gray vfg volcanic; silicic-dacite? wk dissem biotite in the gray rock, v wk dissem to wk dissem Py. Also in interval are white to v. lt gray f.g. rhyolite w/2-3% biotite, wk dissem Py white frags 25%, gray 75 %.
	80		O C RQD: O C		
	100				By 90' rock is consistently lt-med gray w/wk dissem biotite. wk dissem Py-loc to 2-3%. Also v.f.g. dissem dark grains loc - too small to identify.

ALTERATION

SULFIDES: TOT SUL / DISS / PY / CP

ASSAYS

Samp No.	AU	AG	AS	SB
	PPM	PPM	PPM	PPM
21837	< .02	< .2	< 10	< 2
21838				
21839	< .02	< .2	< 10	< 2
21840				
21841	< .02	< .2	< 10	< 2
21842	< .02	< .2	< 10	2
21843	< .02	< .2	< 10	< 2
21844	< .02	< .2	< 10	< 2
21845	< .02	< .2	< 10	6

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GFR-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100° @ - 45°
COORD.
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES	ASSAYS
			O C				TOT SUL / DISS VN / PY CP	Samp. No. / Au / Ag / As / Sb
	100		RQD: O C					21846
					110-130: Contains frags of qtz, clear, loc in broken crystals, some contain Py. ≤5% qtz grains			21847 < .02 / < .2 / < 10 / < 2
	120		O C					
			RQD: O C					21848 < .02 / < .2 / 30 / < 2
	130				130 - 240: Lt gray vfg rhyolite contains brownish biotite. Abund. dissem Py, up to 2-3% loc, but commonly around 1%. Rock quite strongly argillically altered.			NONE
	140		O C					
			RQD: O C					21849 < 02 / < .2 / 30 / 2
								21850 < .02 / < .2 / 20 / < 2
	160		O C					
			RQD: O C					21851 < 02 / < .2 / 10 / < 2
								21852 < 02 / < .2 / 10 / < 2
	180		O C					
			RQD: O C					21853 < 02 / < .2 / < 10 / < 2
								21854 < .02 / < .2 / < 10 / < 2
	200							

INTERVAL: from _____ to _____

COMPOSITE ASSAYS												

INTERVAL: from _____ to _____

COMPOSITE ASSAYS												

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	200		O C RQD: O C		210-220: Same rock, but some evidence of silicification in some fragments. Silicified frags are gray-seem to have abund. (up to 5%) vfg Py.
	220		O C RQD: O C		
	240		O C RQD: O C		240-330: Lt gray rhyolite. f.g. Texture visible here where as last was too fine grained. Some qtz phenos. Ground mass less argillized, may be silicified. Biotite present, but prob only 1%. Wk dissem f. and vfg Py, est 1-2%. Py commonly appears to replace biotite.
	260		O C RQD: O C		
	280		O C RQD: O C		By 290 some definite evidence of silicification.
	300		O C RQD: O C		

ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP	ASSAYS Samp No.	AU	AG	AS	SB
				21855	<.02	<.2	<10	<2
				21856	<.02	<.2	<10	<2
				21857	<.02	<.2	<10	<2
				21858	<.02	<.2	<10	<2
				21859	<.02	<.2	<10	<2
				21860	<.02	<.2	<10	<2
				21861	<.02	<.2	<10	<2
				21862	<.02	<.2	<10	<2
				21863	<.02	<.2	<10	<2
				21864	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JFP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	300		O C RQD: O C		310-320: More argillization, less SiO_2.
	320		O C RQD: O C		320-330: Increased silicification
	330				330-370: Rhyolite f-vfg. Biotite rich, as in interval 130-240, but may be more c.g., and groundmass more gray. 2-3% black biotite. Silicified, W/wk dissem Py. Est 1-2% overall, loc higher.
	340		O C RQD: O C		
	360		O C RQD: O C		350-360: Contains frags (a few) of gray qtz W/vnlt Py.
	370		O C RQD: O C		370-400: Rhyolite, f.g. 1-2% biotite. Silicified, gray color. Mod dissem Py, contains 2-3% This could be some rock as last interval only much more strongly silicified.
	380		O C RQD: O C		
	400				

ALTERATION

SULFIDES: TOT SUL, DISS/VN, PY/CP

Samp No.	AU	AG	AS	SB
21865	<.02	<.2	<10	<2
21866	<.02	<.2	20	2
21867	<.02	<.2	20	<2
21868	<.02	<.2	<10	<2
21869	<.02	<.2	10	<2
21870	<.02	<.2	20	<2
21871	<.02	<.2	<10	<2
21872	<.02	<.2	10	2
21873	<.02	<.2	10	<2
21874	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100 @ - 45
COORD.
DEPTH 1000 TYPE RCR
START 12-5-84 STOP 12-8-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	400		O C RQD: O C		400-410: Strongly silicified f.g. rhyolite? Appears to be the low-biotite rock. Wk dissem Py, est 1-2%, loc higher.
	410				410-430: Rhyolite fand vfg Rock appears to vary in character. 1-2% biotite in 1st sample, decreasing in second. Mod silicified. Wk dissem & loc Vnlt Py, overall est 1-2%.
	420		O C RQD: O C		
	430				430-440: Gray to slightly green intermed volcanic latite-qtz latite? loc has distinct feldspar laths (phenos) aligned parrallel. Gen argillized, but some frags appear silicified. Wk-mod dissem Py, est 1-3%
	440		O C RQD: O C		440-480: Rhyolite, lt gray w/slight greenish cast l vfg, porphyritic. argillized. Considerable clear qtz - but most seems to be phenos. 1% biotite. Spotty dissem Py, est 1%
	460		O C RQD: O C		470-480: Transitional between intervals, contains various frag types.
	480		O C RQD: O C		480-500: Rhyolite, f-vfg. v. lt gray. Variety w/abund brown to black biotite. Mod silicified. wk dissem & rare hairline vnlt Py, est 1-2%.
	500				

ALTERATION

SULFIDES: TOT SUL | DISS/VN | PY/CP

Samp NO.	AU	AG	AS	SB
21875	.02	<.2	.10	2
21876	<.02	<.2	<10	<2
21877	<.02	<.2	<10	<2
21878	<.02	<.2	<10	2
21879	<.02	<.2	<10	<2
21880	<.02	<.2	<10	<2
21881	<.02	<.2	<10	<2
21882	<.02	<.2	10	<2
21883	<.02	<.2	<10	<2
21884	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100 @ - 45
COORD.
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/VN	SULFIDES PY/CP
	500		O C RQD: O C		500-510: Vfg lt gray to slightly green rhyolite. Mod silicified. Wk dissem Py, est ≤1%.				
	510				510-580: Rhyolite f.g. May be same rock as last only more cg. Lt gray. Consists of clear qtz phenos & feldspar which is argillized Abund grains of qtz in sample, but they appear to be phenos V wk dissem Py, <1%.				
	520		O C RQD: O C						
	540		O C RQD: O C		550: Begining here there are occ (1%) frags of gray qtz w/dissem Py which are prob Vns Also seems to be a gradual change in rock-becoming slightly more c.g. & has more biotite, ≤1%.				
	560		O C RQD: O C						
	580		O C RQD: O C		580-610: Rhyolite- same rock as last interval, but has 25-50% clear qtz grains. Crystal faces visible on many grains. No sulfides w/qtz, but still v. wk dissem Py loc in rhyolite.				
	600								

Samp. No.	AU	AG	AS	SB
21885	<.02	<.2	<10	<2
21886	<.02	<.2	<10	<2
21887	<.02	<.2	.10	<2
21888	<.02	<.2	<10	<2
21889	<.02	<.2	<10	<2
21890	<.02	<.2	<10	<2
21891	<.02	<.2	<10	.2
21892	<.02	<.2	.10	<2
21893	<.02	<.2	.20	.2
21894	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER - 1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 110° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP
	600		O C RQD: O C						
	610				610-640: Some rock as last 2 intervals, but amount of clear qtz frags down to about 10%. Appears to be some increase in dissem Py in f.g. rhyolite, ≤1%				
	620		O C RQD: O C		610-630: Much clay noted while drilling - most of sample washes away during sleving.				
	640		O C RQD: O C		640-660: Rhyolite, f.g, med gray. Hi biotite content species (2-4%?). Silicified, & Occ occ frags of dark gray Vn qtz. WK - mod dissem, poss Vnlt Py, est 2-4%.				
	660		O C RQD: O C		660-760: Rhyolite, f.g. Lt med gray Similar to 610-640 Very little biotite. Silicified; Mod dissem Py, to 3-4% Occ frags of vfg clear to gray qtz-poss Vn, which increases after first 10'. Has fg dissem Py.				
	680		O C RQD: O C		Some Hairline Vnlt Py present V. strong silicification				
	700								

ASSAYS

Samp No.	AU	AG	AS	SB
21895	<.02	<.2	<10	<2
21896	<.02	<.2	<10	<2
21897	<.02	<.2	<10	<2
21898	<.02	<.2	<10	<2
21899	<.02	<.2	<10	<2
21900	<.02	<.2	<10	<2
21901	<.02	<.2	<10	<2
21902	<.02	<.2	<10	<2
21903	<.02	<.2	<10	<2
21904	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GFR-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 110° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START ~~12/5/84~~ STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	700		O C RQD: O C		
	720		O C RQD: O C		After =730 There seems to be an increase in biotite up to 2-3%, but rock doesn't look changed. Still silicified, w/dissem Py & some evidence of gray Vn qtz.
	740		O C RQD: O C		
	760		O C RQD: O C		760-1000: Rhyolite, f.g. Lt gray. Argillized. Has abundant qtz (clear) grains - v. similar to unit uphole. WK dissem.Py,<1%.
	780		O C RQD: O C		780-790: Clear qtz grain contains black metallic Mat'l - Mn ?? (vfg, can't identify; has dendritic appearance)
	800				

ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP

Samp NO.	AU	AG	AS	SB
21905	<.02	<.2	<10	<2
21906	<.02	<.2	<10	<2
21907	<.02	<.2	<10	<2
21908	<.02	<.2	<10	<2
21909	<.02	<.2	<10	<2
21910	<.02	<.2	<10	<2
21911	<.02	<.2	<10	<2
21912	<.02	<.2	20	<2
21913	<.02	<.2	10	<2
21914	<.02	<.2	10	14

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER - 1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 110° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/VN	SULFIDES PY/CP
	800		O C RQD: O C						
	820		O C RQD: O C		820-830: Same rock, but cuttings contain many larger frags.				
	840		O C RQD: O C		By 840, rock is v. lt colored apparently due to strongly argillized ground mass, but seems to be change in alteration rather than rock type				
	860		O C RQD: O C						
	880		O C RQD: O C		At about 880, argillization begins decreasing; ground-mass harder, fresher down hole.				
	900		O C RQD: O C						

Samp No.	AU	AG	AS	SB
21915	< .02	< .2	< 10	< 2
21916	< 02	< .2	< 10	< 2
21917	< 02	< .2	< 10	< 2
21918	< .02	< .2	20	< 2
21919	< .02	< .2	< 10	< 2
21920	< 02	< .2	10	< 2
21921	< .02	< .2	< 10	< 2
21922	< .02	< .2	20	< 2
21923	< 02	< .2	20	< 2
21924	< 02	< .2	< 10	< 2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-1
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE 100° @ - 45°
COORD. ,
DEPTH 1000' TYPE RCR
START 12/5/84 STOP 12/8/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/VN	SULFIDES PY/CP
	900		O C RQD: O C						
	920		O C RQD: O C		920: Begins to be some silicification (wk)				
	940		O C RQD: O C						
	960		O C RQD: O C		960: Increase in silicification & some frags of gray vfg qtz, Prob Vn (rare)				
	980		O C RQD: O C						
	1000		O C RQD: O C						

ASSAYS

Samp.	AU	AG	AS	SB
21925	< .02	< .2	< 10	. 4
21926	< .02	< .2	< 10	< 2
21927	< 02	< .2	. 10	< 2
21928	< .02	< .2	. 20	< 2
21929	< 02	< .2	< 10	< 2
21930	< .02	< .2	. 20	< 2
21931	< .02	< .2	< 10	< 2
21932	< .02	< .2	. 10	< 2
21933	< .02	< .2	. 10	< 2
21934	< .02	< .2	< 10	< 0

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E @-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	0		O C RQD: O C		0-12: Rock bit to set casing. Alluvium-soil & rock frags. Frags are clay rich felsic volcanics.
	20		O C RQD: O C		12-30: Interval rich in clay-much of sample washes away during sieving. Rock frags remaining are gray rhyolite w/biotite. Also abund qtz grains-prob weathered out phenos.
	30				30-80: Rhyolite, f.g. (Black) biotite rich.-3-4%. Silicified. wk dissem Py, est 1-2%
	40		O C RQD: O C		40-50: Hit water in hole. Interval has some FeOx after Py.
	60		O C RQD: O C		
	80		O C RQD: O C		80-100: Rhyolite, vfg. porphyritic Med gray, rock is silicified (very slow drilling w/tri-cone). Similar in appearance to last except v. little biotite (<1%).
	100				

ALTERATION							SULFIDES				ASSAYS				
							TOT SUL	DISS VN	PY CP		Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
											21935	< .02	< .2	< 10	< 2
											21936	< .02	< .2	< 10	< 2
											21937	< .02	< .2	< 10	< 2
											21938	< .02	< .2	< 10	< 2
											21939	< .02	< .2	< 10	2
											21940	< .02	< .2	< 10	< 2
											21941	< .02	< .2	10	< 2
											21942	< .02	< .2	< 10	< 2
											21943	< .02	< .2	< 20	< 2
											21944	< .02	< .2	10	< 2

INTERVAL: from _____ to _____

COMPOSITE ASSAYS												

INTERVAL: from _____ to _____

COMPOSITE ASSAYS												

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E @-45
COORD.
DEPTH 960 TYPE RCT
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES	ASSAYS
	100		O C RQD: O C		100': Rock doesn't change, but there is increasing biotite-up to 1-2%. Seems to be gradational. Some fluctuation below here, still silicified rhyolite.		TOT SUL / DISS VN / PY CP	Samp No. / AU / AG / AS / SB
	120		O C RQD: O C					
	140		O C RQD: O C		140': Biotite now up to 3-4%, rock resembles interval from 30-80.			
	160		O C RQD: O C		160-170: Switch from tri-cone to hammer. Interval contains up to 5% light gray to slightly tan qtz frags			
	180		O C RQD: O C		170-180: Contains up to 10% frags of argillized f.g. rhyolite.			
	200		O C RQD: O C		180-210: Rhyolite f-vfg. gray Silicified. Minor biotite ≤1% -similar to intervals up hole. Mod dissem Py, est 1-2% Loc frags of gray vfg gray qtz w/dissem Py, prob from Vnlts.			

Samp No.	AU	AG	AS	SB
21945	<.02	<.2	20	<2
21946	<.02	<.2	10	<2
21947	<.02	<.2	20	<2
21948	<.02	<.2	<10	<2
21949	<.02	<.2	<10	<2
21950	<.02	<.2	<10	<2
21951	<.02	<.2	<10	<2
21952	<.02	<.2	<10	<2
21953	<.02	<.2	<10	<2
21954	<.02	<.2	10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E @-45
COORD. ,
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	200		O C RQD: O C		200-210: Transitional between rock types
	210				210-290: Rhyolite f-vfg., gray. Alteration mainly argillization(or weathering- some FeOx rich fragments present -prob a watercourse) Some silicification loc. No substantial biotite. wk dissem Py, est 1%. Up to 5% of Py bearing frags oxidized.
	220		O C RQD: O C		
	240		O C RQD: O C		240-260:Occ frags of vfg gray qtz w/dissem Py - prob Vnlt mat'l.
	260		O C RQD: O C		260-270: Up to half the frags oxidized, FeOx stained. Still evidence of Vnlt qtz.
	280		O C RQD: O C		
	290		O C RQD: O C		
	300				

ALTERATION	SULFIDES: TOT SUL	DISS/VN	PY/CP

ASSAYS: Samp No.	AU	AG	AS	SB
21955	<.02	<.2	<10	<2
21956	<.02	<.2	<10	<2
21957	<.02	<.2	<10	<2
21958	<.02	<.2	<10	<2
21959	<.02	<.2	10	<2
21960	<.02	<.2	<10	<2
21961	<.02	<.2	<10	<2
21962	<.02	<.2	<10	<2
21963	<.02	<.2	<10	<2
21964	<.02	<.2	20	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS VN	PY/CP
	300		O C RQD: O C		290-320: Strong water flow this interval. Dominantly oxidized. Most frags≥50% are of qtz or strongly silicified rock. Remainder is rhyolite fg, mostly silicified, but some argillized frags also. Up to 2-3% dissem FeOx after Py & occ remnant dissem Py.				
	320		O C RQD: O C		310-320: Transitional, Mixture of rocks.				
	340		O C RQD: O C		320-350: Rhyolite f.g., gray. Contains quite a few grains of qtz- prob weathered out phenos. Groundmass dominantly argillized although occ SiO_2 rich frags occur. Still has up to 5% frags of slightly tan stained qtz-prob Vnlt. v wk dissem Py, <1%.				
	350		O C RQD: O C		350-410: Rhyolite, f.g. gray similar to above, but interval contains up to 50% frags of clear to translucent qtz-phenos?? Frags of rhyolite dominantly argillized, although Some silicified frags can be found. wk dissem Py, 1%. Some small frags of Py, SiO_2 may be vnlt controlled.				
	360		O C RQD: O C						
	380		O C RQD: O C		370- Below here more frags of prob Vn origin (gray vfg qtz)				
	400		O C RQD: O C		380-390: Up to 5% FeOx stained, oxidized frags.				

Samp No.	AU	AG	AS	SB
21965	.10	1.6	10	2
21966	.03	<.2	<10	<2
21967	<.02	<.2	<10	2
21968	<.02	<.2	<10	<2
21969	.03	<.2	10	4
21970	<.02	<.2	<10	2
21971	<.02	<.2	<10	<2
21972	<.02	<.2	<10	<2
21973	<.02	<.2	<10	<2
21974	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JFP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	400		O C RQD: O C		
	410				410-520: Rhyolite f.g., gray, 1-2% biotite. Silicified. Occ frags of vfg gray qtz of prob Vnlt origin. Still a few grains of clear qtz present. wk-mod dissem Py, 1-2% overall, loc 2-3% Rarely some Vnlt Py noted.
	420		O C RQD: O C		
	440		O C RQD: O C		
	460		O C RQD: O C		
	480		O C RQD: O C		
	500				

ALTERATION	SULFIDES: TOT SUL	DISS/VN	PY/CP	ASSAYS: Samp No.	AU	AG	AS	SB
				21975	<.02	<.2	10	<2
				21976	<.02	<.2	10	<2
				21977	<.02	<.2	10	<2
				21978	<.02	<.2	10	<2
				21979	<.02	<.2	<10	<2
				21980	<.02	<.2	10	2
				21981	<.02	<.2	10	<2
				21982	<.02	<.2	10	<2
				21983	<.02	<.2	10	<2
				21984	<.02	<.2	20	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58D @-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	500		O C RQD: O C		520-540: Same rock type as 410-520 interval but with 2-3% of light gray and unsilicified.
	520		O C RQD: O C		540-560: Rhyolite, f.g. Lt-med gray. 1-2% biotite. Frags are dominantly argillized, but there are some which are silicified, may represent Vnlts. wk dissem Py, est≤1%. 540-550: contains up to 5% reddish frags-seems to be vfg hematite, commonly in silicified (poss Vn?) frags.
	540		O C RQD: O C		560-600: Prob gradational contact. Rock is prob same f.g. gray rhyolite, 1-3% biotite, but rock becoming more silicified instead of argillized. Contains up to 10% frags of (generally) gray vfg qtz-prob Vn mat'l. Vn mat'l occ reddish-due to dissem vfg hematite? Wk dissem Py, est≤1%.
	560		O C RQD: O C		590-600: Consists of same rock, but majority of frags are maroon-hematite(?)-stained, commonly w/SiO_2.
	580		O C RQD: O C		
	600				

ALTERATION	SULFIDES			ASSAYS				
	TOT SUL	DISS VN	PY CP	Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
				21985	<.02	<.2	10	2
				21986	<.02	<.2	<10	<2
				21987	<.02	<.2	10	<2
				21988	<.02	<.2	10	<2
				21989	<.02	<.2	10	<2
				21990	<.02	<.2	<10	<2
				21991	<.02	<.2	10	<2
				21992	<.02	<.2	<10	<2
				21993	<.02	<.2	10	<2
				21994	<.02	<.2	10	2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	600		O C RQD: O C		600-610: Interval is 75% frags of lt gray to rose colored vfg qtz, prob Vn. Remainder is rock from above. Wk dissem Py,<1%
	610				610-620: Similar to above: 75% qtz frags but here they are strongly maroon stained, (hematite?). Either Vn or intensily silicified rock. 25% remainder from next interval wk dissem Py,≤1%.
	620		O C RQD: O C		620-650: Rhyolite, f.g., gray. Similar to units above. Vn mat'l. Many frags are argillized, (60-75%?) but remainder silicified or Vn mat'l. Prob argillized zone w/Vnlts or intervals of silicification. 1-2% biotite in rock, wk dissem Py,<1%.
	640		O C RQD: O C		
	650				650-750: Rhyolite, vfg. Vnlt gray to slightly pink color. Rock is dominantly argillized, but there are still frags which are silicified. Wk dissem Py,≤1%.
	660		O C RQD: O C		
	680		O C RQD: O C		
	700				690: Starting at 690, up to 25% silicified & occ Vn qtz frags. (Prob biased becaused much clay rich mat'l washes away during sieving).

ALTERATION	SULFIDES			ASSAYS				
	TOT SUL	DISS VN	PY CP	Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
				21995	<.02	.2	<10	2
				21996	<.02	<.2	<10	<2
				21997	<.02	<.2	<10	<2
				21998	<.02	<.2	<10	2
				21999	<.02	<.2	10	4
				22000	<.02	<.2	10	<2
				22001	<.02	<.2	<10	<2
				22002	<.02	<.2	20	<2
				22003	<.02	<.2	20	<2
				22004	<.02	<.2	10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP	ASSAYS Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
	700		O C RQD: O C							22005	<.02	<.2	20	<2
										22006	<.02	<.2	10	<2
	720		O C RQD: O C							22007	<.02	<.2	10	<2
					730: Decrease in SiO_2 frags to ≤10%.					22008	<.02	<.2	20	2
	740		O C RQD: O C							22009	<.02	<.2	70	<2
	750				750-840: Subtle change-lithology poss changed. Rhyolite, f-vfg., still lt gray to slightly pink. Does not appear as strongly argillized as above. Dissem biotite - 2-3%, Wk dissem Py, <1%, same oxidized still same SiO_2 frags, <10%.					22010	<.02	<.2	20	2
	760		O C RQD: O C							22011	<.02	<.2	<10	<2
										22012	<.02	<.2	<10	<2
	780		O C RQD: O C							22013	<.02	<.2	10	<2
										22014	<.02	<.2	<10	<2
	800													

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/VN	SULFIDES PY/CP	ASSAYS Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
	800		O C RQD: O C		800-810: Up to 15-20% silicified frags w/dissem Py 810-820: Almost no SiO_2, strongly argillized, pink color, 2-3% dissem Py.					22015	<.02	<.2	20	2
	820		O C RQD: O C		820-830: Up to 25% SiO_2 frags, same Vn mat'l. 1-2% Py. Rock type unchanged.					22016	<.02	<.2	10	<2
	840		O C RQD: O C		830-840: 5% SiO_2, Pink argillized rock (same unit.) More water hit- warm. (Note dissem sulfide in above intervals dark gray in color - along w/Py, but looks as though it is just oxidation on surface of grains. Could be something other than Py).					22017	<.02	<.2	30	<2
	860		O C RQD: O C		840-890: Prob same lithology as above, but somewhat different appearance. (Rhyolite, f-vfg, w/1-3% biotite) Color more gray, less pink. Up to 25% silicified frags wk dissem Py≤1 (to 2% loc).					22018	<.02	<.2	10	<2
	880		O C RQD: O C		870-880: Mod amount of hematite staining in rhyolite (oxidized) 880-900: Intermed Volcanic? V dark gray to maroon groundmass (argillized) w/ argillized feldspar phenos. Poss a dike (?). Doesn't appear to have suls, but difficult to see due to fine grain size.					22019	<.02	<.2	10	2
	890		O C RQD: O C							22020	<.02	<.2	10	<2
	900									22021	<.02	<.2	10	<2
										22022	<.02	<.2	10	<2
										22023	<.02	<.2	10	<2
										22024	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-2
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE N58E 0-45
COORD.
DEPTH 960 TYPE RCR
START 12/9/84 STOP 12/12/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	900		O C RQD: O C		900-950: Rhyolite, f-vfg. Prob same as units above dike. Med gray. 2-4% f.g. dissem biotite. Dominantly wkly silicified, but common argillized chips v.f.g. dissem Py?? to 2%-dark colored, oxidized?
	920		O C RQD: O C		
	940		O C RQD: O C		
	960		O C RQD: O C		950-960: Poss rock change. Chip size very small, color lighter (lt. gray) Contains chips of above Unit, but also rhyolite, f-vfg w/no biotite. Argillized wk dissem Py?, ≤1-2%.
	980		O C RQD: O C		T.D. 960
	1000		O C RQD: O C		

ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/YN	SULFIDES PY/CP	ASSAYS Samp No.	PPM AU	PPM AG	PPM AS	PPM SB
				22025	<.02	<.2	<10	<2
				22026	<.02	<.2	<10	<2
				22027	<.02	<.2	<10	<2
				22028	<.02	<.2	<10	<2
				22029	<.02	<.2	10	<2
				22030	<.02	<.2	<10	<2
				22031	<.02	<.2	<10	<2
				22032	<.02	<.2	<10	<2
				22033	<.02	<.2	<10	<2
				22034	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD. ,
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	0		O C ROD: O C		0-20: Soil, alluvium & weathered volcanics, clay rich, tan color. 0-12- collar pipe set.
	20		O C ROD: O C		20-50: Rhyolite, f-vfg groundmass; fg. qtz, feld-spar phenos: Biotite poor. Gray, some clay, weathering disguises any alteration. v. wk dissem Py, <1%.
	40		O C ROD: O C		
	50		O C ROD: O C		50-720: Rhyolite, f-vfg Prob the same as above, just below weathering. Gray. 1-2% Biotite. Both argillized (wk) and silicified (wk) chips present, and some chips of gray vfg Vn qtz. Prob wkly argillized zone w/ Vnlts or intervals of silicification, wk dissem Py, ≤1%, gen. <1%.
	60		O C ROD: O C		50-60: Vn qtz, up to 2% dissem Py
	80		O C ROD: O C		80: After here, silicification dominant alt. Common chips (prob) Vn qtz.
	100				

ALTERATION

SULFIDES: TOT SUL | DISS/VN | PY/CP

Samp No.	AU	AG	AS	SB
22031	<.02	<.2	<10	<2
22032	<.02	<.2	10	<2
22033	<.02	<.2	<10	<2
22034	<.02	<.2	10	0
22035	<.02	<.2	<10	<2
22036	<.02	<.2	10	<2
22037	<.02	<.2	<10	<2
22038	<.02	<.2	<10	<2
22039	<.02	<.2	<10	<2
22040	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	100		O C RQD: O C		
	120		O C RQD: O C		120: Switched to wet sampling.
	140		O C RQD: O C		Same rock. Common chips vfg gray Vn qtz. Wk dissem Py, <1%.
	160		O C RQD: O C		
	180		O C RQD: O C		
	200		O C		190-200: Contains 5-10% chips that are silicic, reddish, prob due to fine dissem hematite.

ALTERATION	SUL FIDES			ASSAYS				
	TOT SUL	DISS VN	PY/CP	Samp No.	AU	AG	AS	SB
				22041	<.02	<.2	<10	<2
				22042	<.02	<.2	10	<2
				22043	<.02	<.2	<10	<2
				22044	<.02	<.2	<10	<2
				22045	<.02	<.2	<10	<2
				22046	<.02	<.2	<10	<2
				22047	<.02	<.2	<10	<2
				22048	<.02	<.2	<10	<2
				22049	<.02	<.2	10	<2
				22050	<.02	<.2	10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP
	200		O C RQD: O C						
	220		O C RQD: O C						
	240		O C RQD: O C		Same rock. No noticeable change. Still wkly-mod silicified & some poss Vnlts (qtz), wk loc argillization				
	260		O C RQD: O C						
	280		O C RQD: O C						
	300		O C RQD: O C						

Samp No.	AU	AG	AS	SB
22051	< .02	< .2	< 10	< 2
22052	< 02	< .2	< 10	< 2
22053	< 02	< .2	10	< 2
22054	< 02	< .2	20	< 2
22055	< 02	< .2	< 10	< 2
22056	< 02	< .2	< 10	< 2
22057	< 02	< .2	< 10	< 2
22058	< 02	< .2	< 10	< 2
22059	< 02	< .2	< 10	< 2
22060	< 02	< .2	< 10	< 2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	300		O C RQD: O C		300-310: Pronounced reddish color (dissem hematite?), apparently oxidized. Rock seems to be same unit. Wk argillization w/loc silicification.
	320		O C RQD: O C		310-330: Same unit; slightly lighter in color, more even textured. Prob just a slight change within main interval.
	340		O C RQD: O C		340: Increasing argillization, decresing silicification -only loc present
	360		O C RQD: O C		
	380		O C RQD: O C		370: By here mod argillization, rare SiO_2 Py still <1%
	400		O C RQD: O C		

ALTERATION	SULFIDES TOT SUL	DISS/YN	PY/CP

ASSAYS Samp No.	AU	AG	AS	SB
22061	< .02	< .2	< 10	< 2
22062	< .02	< .2	< 10	< 2
22063	< .02	< .2	< 10	< 2
22064	< .02	< .2	. 10	< 2
22065	< 02	< .2	< 10	< 2
22066	< 02	< .2	< 10	< 2
22067	< 02	< .2	< 10	< 2
22068	< 02	< .2	< 10	< 2
22069	< 02	< .2	< 10	< 2
22070	< 02	< .2	< 10	< 2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD. ,
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP	ASSAYS Samp No.	AU	AG	AS	SB
	400		O C ROD: O C							22071	<.02	<.2	<10	<2
	420		O C ROD: O C							22072	<.02	<.2	<10	<2
	440		O C ROD: O C		430-450: Only wkly argillized; becomes moderate again below.					22073	<.02	<.2	<10	<2
	460		O C ROD: O C							22074	<.02	<.2	<10	<2
	480		O C ROD: O C		480-490: Wkly-mod silicified. Moderate argillization below.					22075	<.02	<.2	10	<2
	500		O C ROD: O C							22076	<.02	<.2	<10	<2
										22077	<.02	<.2	<10	<2
										22078	<.02	<.2	<10	<2
										22079	<.02	<.2	<10	<2
										22080	<.02	<.2	10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	500		O C RQD: O C		520-530: Mod silicified, same chips gray vfg Vn qtz.
	520		O C RQD: O C		530-540: Return to argillized rock w/only loc silicification.
	540		O C RQD: O C		Below 540, Argillization only weak, appear to be going through silicified zones w/mod silicif. & Vnlts w/in argillic rock.
	560		O C RQD: O C		560-570: Up to 10% Vn qtz, increased Py, some appears Vn controlled. Prob a narrow Vein (1-2'?) w/silicified borders.
	580		O C RQD: O C		Below 570, rock wkly silicified, has chips of prob qtz Vnlts.
	600		O C RQD: O C		

ALTERATION

SULFIDES

TOT SUL	DISS/VN	PY/CP

ASSAYS

Samp No.	AU	AG	AS	SB
22081	< .02	< .2	< 10	< 2
22082	< .02	< .2	< 10	< 2
22083	< .02	< .2	< 10	< 2
22084	< .02	< .2	< 10	< 2
22085	< .02	< .2	< 10	< 2
22086	< .02	< .2	< 10	< 2
22087	< .02	< .2	750	110
22088	< .02	< .2	50	2
22089	< .02	< .2	30	2
22090	< .02	< .2	20	< 2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	600		O C RQD: O C		
	620		O C RQD: O C		
	640		O C RQD: O C		630-670: Wk argillization, only loc wk silicification 640-650: Hit more H_2O in hole
	660		O C RQD: O C		
	680		O C RQD: O C		670-690: Wkly silicified.
	700		O C RQD: O C		690-720: Wkly argillized w/silicified zones & qtz Vnlts.

ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP	ASSAYS Samp No.	AU	AG	AS	SB
				22091	<.02	<.2	<10	<2
				22092	<.02	<.2	<10	<2
				22093	<.02	<.2	<10	<2
				22094	<.02	<.2	<10	<2
				22095	<.02	<.2	.10	<2
				22096	<.02	<.2	<10	<2
				22097	<.02	<.2	<10	<2
				22098	<.02	<.2	.10	<2
				22099	<.02	<.2	.20	<2
				22100	<.02	<.2	.20	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-3
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE -45° S78E
COORD.
DEPTH 800' TYPE RCR
START 12-12-84 STOP 12-15-84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	700		O C RQD: O C		
	720		O C RQD: O C		720-770: V. lt gray to almost white rhyolite. vfg groundmass w/ f.g. qtz phenos, commonly angular. Groundmass argillized, occ silicified chips present. Wk vfg dissem Py, est≤1-2%.
	740		O C RQD: O C		740: Increase in silicified /or SiO_2 chips which are darker in color (gray). Many of the SiO_2 chips below here are clear, may be broken out phenos.
	760		O C RQD: O C		760-770: Up to 25% of chips now silicified, gray. One ½" chip from 760-770' has open space qtz crystals
	780		O C RQD: O C		770-800: Mixture of 2 chip types, in roughly equal proportion. First is white to lt gray argillized rhyolite immed above. Second is gray f.g. rhyolite, silicified, which resembles rock further up hole.
	800		O C RQD: O C		Not clear if the two are same rock, or if fingering contact wk dissem Py in both types, est ≤1-2%

ALTERATION

SULFIDES: TOT SUL / DISS VN / PY/CP

Samp No.	AU	AG	AS	SB
22101	<.02	<.2	<10	<2
22102	<.02	<.2	<10	<2
22103	<.02	<.2	<10	<2
22104	<.02	<.2	<10	<2
22105	<.02	<.2	<10	<2
22106	<.02	<.2	<10	<2
22107	<.02	<.2	<10	<2
22108	<.02	<.2	<10	<2
22109	<.02	<.2	<20	<2
22110	<.02	<.2	<20	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W- 45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JEP

Scale: 1": 20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	0		O C RQD: O C		0-12 No recovery; Rock bit to set casing. Soil & alluvium.
	12				12-40: Strongly weathered zone. Much clay & oxidized frags of felsic volcanics. Commonly stained tan due to FeOx.
	20		O C RQD: O C		
					40-50: 25% oxidized chips from above unit.
	40		O C RQD: O C		40-60: Rhyolite, f-vfg. lt gray-green. Contains lime green mineral which is pervasive, very soft (Scratched w/fingernail). - gypsum?? Some chip of clear to translucent qtz.-poss phenos? wk dissem Py, est≤1%.
	60		O C RQD: O C		60-90 : lt gray rhyolite. f.g. qtz feldspar phenos in vfg groundmass. wk dissem biotite - 1-2%. Common clear qtz chips - poss phenos. Appears wkly argillized, w/some silicified chip. wk dissem Py, ≤1%.
	80		O C RQD: O C		By 80 groundmass nearly white, brown biotite @ 2-3%. Many qtz phenos angular wkly - mod argillized
	90				90-110: Even mexture of chips from above unit and brownish-pink chips: rounded-angular phenos and/or shards in pinkish silicic groundmass. Tuffaceous texture. Rock looks felsic. Has some biotite. May not be much diff.
	100				

ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP

ASSAYS Samp No.	Au	Ag	As	Sb
22111	<.02	<.2	<10	<2
22112	<.02	<.2	10	<2
22113	<.02	<.2	10	<4
22114	<.02	<.2	<10	<2
22115	<.02	<.2	<10	<2
22116	<.02	<.2	10	<2
22117	<.02	<.2	10	<2
22118	<.02	<.2	20	<2
22119	<.02	<.2	10	<2

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JFP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	100		O C RQD: O C		from above. Unsure if color due to alteration - loc it is more reddish & may be due to dissem hematite. Wk dissem Py, est≤1%.
	110				110-230: Brownish - pink unit from above (under scope- chips in hand are maroon to gray). Rock itself re- sembles unit (60-90') but has pink groundmass, which is also silicic-Poss caused by silicification w/dissem
	120		O C RQD: O C		hematite?? 1-3% biotite. Wk dissem FeOx after Py? ≤1%. Through interval there seems to be occ chips of prob Vn qtz - same pinkish gray to brownish pink color.
	140		O C RQD: O C		
	160		O C RQD: O C		160-230: Begin wet sampling. (Hit water)
	180		O C RQD: O C		
	200				

ALTERATION							SULFIDES				ASSAYS					
							TOT SUL	DISS/VN	PY/CP		Samp No.	AU	AG	AS	SB	
											22120	<.02	<.2	.10	<2	
											22121	<.02	<.2	<10	<2	
											22122	<.02	<.2	<10	<2	
											22123	<.02	<.2	<10	<2	
											22124	<.02	<.2	.10	<2	
											22125	<.02	<.2	<10	<2	
											22126	<.02	<.2	.10	<2	
											22127	<.02	<.2	<10	<2	
											22128	<.02	<.2	<10	<2	
											22129	<.02	<.2	<10	<2	

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES	ASSAYS
	200		O C ROD: O C					
	220		O C ROD: O C					
	230				230-300: Rhyolite (?) lt green color, vfg matrix w/white -lt gray frags, some phenos. Prob a different unit th n those to N. lt green mineral v. soft-talc? Overall, mod argillized? Some lt gray qtz grains, <5%. wk dissem Py below 260, ≤1%.			
	240		O C ROD: O C					
	260		O C ROD: O C					
	280		O C ROD: O C					
	300		O C ROD: O C					

SULFIDES			
TOT SUL	DISS/VN	PY/CP	

ASSAYS Samp No.	AU	AG	AS	SB
22130	<.02	<.2	10	<2
22131	<.02	<.2	<10	<2
22132	<.02	<.2	<10	<2
22133	<.02	<.2	<10	<2
22134	<.02	<.2	<10	<2
22135	<.02	<.2	<10	<2
22136	<.02	<.2	<10	<2
22137	<.02	<.2	<10	<2
22138	<.02	<.2	10	<2
22139	<.02	<.2	<10	<2

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	SULFIDES DISS/VN	SULFIDES PY/CP
	300		O C RQD: O C		300-320: Ryholite, f-vfg. lt gray color to loc v. slightly green. Up to several % dissem brnish biotite. strongly argillized groundmass Mod dissem Py, overall to 2-3% Numerous chips to ½" size, general coarse nature.				
	320		O C RQD: O C		320-330: Cutting size much finer-generally less than ⅛" 75% of cuttings same as above - f-vfg lt gray rhyolite w/dissem biotite & Py, 25% reddish brn (FeOx) stained frags-Same rock?? Could be fault zone or other narrow structure.				
	330								
	340		O C RQD: O C		330-430: Rhyolite, f-vfg, as from 300-320. 3-5% dissem biotite, up to 2-3% dissem Py overall. Mod argillized This interval does not have the coarse chip size.				
	360		O C RQD: O C		340-350: 5-10% FeOx stained cuttings.				
	380		O C RQD: O C		360 or 370, argillization increases-strong. Also does not seem to be quite as much biotite.				
	400								

Samp No.	AU	AG	AS	SB
22140	<.02	<.2	10	<2
22141	<.02	<.2	<10	<2
22142	<.02	<.2	<10	<2
22143	<.02	<.2	<10	<2
22144	<.02	<.2	<10	<2
22145	<.02	<.2	<10	<2
22146				
22147	<.02	<.2	<10	<2
22148	<.02	<.2	<10	<2
22149	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP
	400		O C RQD: O C						
	420		O C RQD: O C						
	430				430-460: Ryholite, fg. V.lt. gray w/slight green cast. Contains the lt green mineral again. Still some biotite- ≤1%, but it appears this may be same rock as last, only biotite altered - Poss change only in style of alteration Wk dissem Py, ≤1%. Mod str argillized.				
	440		O C RQD: O C						
	460				Appears to be gradational contact.				
			O C RQD: O C		460-520: Rhyolite, f.g. Same as 330-430-lt. gray, biotite to 2-3%. Mod argillized. Dissem Py to 2-3%, overall 1-2% Biotite seems to be altering out. loc only a brownish stain where grains were.				
	480								
			O C RQD: O C		490-500: Contains large chips of gray vfg rock, 25% of total. Poss dike or interbedded unit.				
	500								

Samp No.	AU	AG	AS	SB
22150	<.02	<.2	<10	<2
22151	<.02	<.2	<10	<2
22152	<.02	<.2	<10	<2
22153	<.02	<.2	<10	<2
22154	<.02	<.2	<10	<2
22155	<.02	<.2	<10	18
22156	<.02	<.2	<10	<2
22157	<.02	<.2	<10	<2
22158	<.02	<.2	<10	<2
22159	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 STOP 12/18/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS	ALTERATION	SULFIDES TOT SUL	DISS/VN	PY/CP	ASSAYS Samp No.	AU	AG	AS	SB
	500		O C RQD: O C		510-520: Many (50%) of the chips again have greenish color, but appears to be same rock.					22160	<.02	<.2	<10	<2
										22161	<.02	<.2	<10	<2
	520		O C RQD: O C		520-580: Intermed Volcanic? dark gray to purple. Under-scope-reddish brown grondmass w/gray (rhyolite) frag. & phenos. Frags & phenos wkly argillized, but overall appears relatively fresh. Tr-v.wk dissem Py, <1%. Poss a dike.					22162	<.02	<.2	<10	<2
										22163	<.02	<.2	<10	<2
	540		O C RQD: O C							22164	<.02	<.2	<10	<2
										22165	<.02	<.2	<10	<2
	560		O C RQD: O C							22166	<.02	<.2	<10	2
										22167	<.02	<.2	<10	<2
	580		O C RQD: O C		580-590: 25% chips from above, 75% below. 580-610: Rynolite vfg, lt gray to slightly tan ground mass w/clear qtz phenos. Appears wkly argillized-but may show less effects than uphole due to high SiO_2 content (?) Wk dissem Py, est=1%					22168	<.02	<.2	<10	<2
	600									22169	<.02	<.2	<10	2

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

INTERVAL: from _____ to _____

COMPOSITE ASSAYS

NOTES:

THE SUPERIOR OIL COMPANY
Minerals Division

DRILL LOG

HOLE NO. GER-4
PROPERTY GERONIMO
COLLAR ELEV.
ATTITUDE S87W-45
COORD.
DEPTH TYPE RCR
START 12/15/84 TOP 12/18/84
LOGGED BY JEP

Scale: 1":20'

ELEV.	FOOTAGE	% REC.	FRACTURE DATA	GRAPHIC LOG	DESCRIPTION AND REMARKS
	600		O C RQD: O C		610-620: Rhyolite, vfg tan groundmass w/clear qtz. phenos. Other than color similar to last. May be a gradational change between surrounding intervals. Tr. v.wk dissem Py, 1%.
	610				
	620		O C RQD: O C		620-700: Appears to be same rock as above 2 intervals although color changes downhole. Rhyolite f-vfg groundmass which changes from tan color at top to gray near bottom. Clear qtz phenos and felsic frags and/or phenos. Phenoscryst content greater than above (est 25%). Frags/phenos wkly argillized, wk dissem Py, <1% overall, loc to 1%.
	640		O C RQD: O C		610-630: med. tan color 630-660: Mixture of gray and lt tan.
	660		O C RQD: O C		660-700: Lt. gray v. slight tan coloration at top which dissappears by bottom. Argillization seems to be increasing, to mod.
	680		O C RQD: O C		
	700				T.D. 700'

ALTERATION	SULFIDES			ASSAYS				
	TOT SUL	DISS VN	PY/CP	Samp No.	AU	AG	AS	SB
				22170	<.02	<.2	<10	<2
				22171	<.02	<.2	<10	<2
				22172	<.02	<.2	<10	<2
				22173	<.02	<.2	<10	<2
				22174	<.02	<.2	<10	<2
				22175	<.02	<.2	<10	<2
				22176	<.02	<.2	<10	<2
				22177	<.02	<.2	<10	<2
				22178	<.02	<.2	<10	<2
				22179	<.02	<.2	<10	<2

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

INTERVAL: from _____ to _____
COMPOSITE ASSAYS

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TFQ 196
January 10, 1985
21897 TO 22179

SUPERIOR OIL COMPANY
Attn: Mr. J.E. Poulter
P.O. Box 31870
Tucson, Arizona 85751

JAN 14 1985

Analysis of 195 Drill Cutting Samples

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
1	21897	<.02	<.2	<10.	<2.
2	21898	<.02	<.2	10.	<2.
3	21899	<.02	<.2	<10.	<2.
4	21900	<.02	<.2	10.	<2.
5	21901	<.02	<.2	<10.	<2.
6	21902	<.02	<.2	<10.	<2.
7	21903	<.02	<.2	10.	<2.
8	21904	<.02	<.2	<10.	<2.
9	21905	<.02	<.2	<10.	<2.
10	21906	<.02	<.2	<10.	<2.
11	21907	<.02	<.2	<10.	<2.
12	21908	<.02	<.2	<10.	<2.
13	21909	<.02	<.2	<10.	<2.
14	21910	<.02	<.2	<10.	<2.
15	21911	<.02	<.2	<10.	<2.
16	21912	<.02	<.2	20.	<2.
17	21913	<.02	<.2	10.	<2.
18	21914	<.02	<.2	10.	14.
19	21915	<.02	<.2	<10.	<2.
20	21916	<.02	<.2	<10.	<2.
21	21917	<.02	<.2	<10.	<2.
22	21918	<.02	<.2	20.	<2.
23	21919	<.02	<.2	<10.	<2.
24	21920	<.02	<.2	10.	<2.
25	21921	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
26	21922	<.02	<.2	20.	<2.
27	21923	<.02	<.2	20.	<2.
28	21924	<.02	<.2	<10.	<2.
29	21925	<.02	<.2	<10.	4.
30	21926	<.02	<.2	<10.	<2.
31	21927	<.02	<.2	10.	<2.
32	21928	<.02	<.2	20.	<2.
33	21929	<.02	<.2	<10.	<2.
34	21930	<.02	<.2	20.	<2.
35	21931	<.02	<.2	<10.	<2.
36	21932	<.02	<.2	10.	<2.
37	21933	<.02	<.2	<10.	<2.
38	21934	<.02	<.2	10.	0.
39	22021 *	0.00 *	.0 *	0. *	0. *
40	22022	<.02	<.2	<10.	<2.
41	22023	<.02	<.2	<10.	<2.
42	22024	<.02	<.2	10.	<2.
43	22025	<.02	<.2	<10.	<2.
44	22026	<.02	<.2	<10.	<2.
45	22027	<.02	<.2	<10.	<2.
46	22028	<.02	<.2	<10.	<2.
47	22029	<.02	<.2	10.	<2.
48	22030	<.02	<.2	<10.	<2.
49	22031	<.02	<.2	<10.	<2.
50	22032	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

JOB NO. TFQ 196
January 10, 1985

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
51	22033	<.02	<.2	<10.	<2.
52	22034	<.02	<.2	<10.	<2.
53	22035	<.02	<.2	<10.	<2.
54	22036	<.02	<.2	10.	<2.
55	22037	<.02	<.2	<10.	<2.
56	22038	<.02	<.2	<10.	<2.
57	22039	<.02	<.2	<10.	<2.
58	22040	<.02	<.2	<10.	<2.
59	22041	<.02	<.2	<10.	<2.
60	22042	<.02	<.2	10.	<2.
61	22043	<.02	<.2	<10.	<2.
62	22044	<.02	<.2	<10.	<2.
63	22045	<.02	<.2	<10.	<2.
64	22046	<.02	<.2	<10.	<2.
65	22047	<.02	<.2	<10.	<2.
66	22048	<.02	<.2	<10.	<2.
67	22049	<.02	<.2	10.	<2.
68	22050	<.02	<.2	10.	<2.
69	22051	<.02	<.2	<10.	<2.
70	22052	<.02	<.2	<10.	<2.
71	22053	<.02	<.2	10.	<2.
72	22054	<.02	<.2	20.	<2.
73	22055	<.02	<.2	<10.	<2.
74	22056	<.02	<.2	<10.	<2.
75	22057	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
76	22058	<.02	<.2	<10.	<2.
77	22059	<.02	<.2	<10.	<2.
78	22060	<.02	<.2	<10.	<2.
79	22061	<.02	<.2	<10.	<2.
80	22062	<.02	<.2	<10.	<2.
81	22063	<.02	<.2	<10.	<2.
82	22064	<.02	<.2	10.	<2.
83	22065	<.02	<.2	<10.	<2.
84	22066	<.02	<.2	<10.	<2.
85	22067	<.02	<.2	<10.	<2.
86	22068	<.02	<.2	<10.	<2.
87	22069	<.02	<.2	<10.	<2.
88	22070	<.02	<.2	<10.	<2.
89	22071	<.02	<.2	<10.	<2.
90	22072	<.02	<.2	<10.	<2.
91	22073	<.02	<.2	<10.	<2.
92	22074	<.02	<.2	<10.	<2.
93	22075	<.02	<.2	10.	<2.
94	22076	<.02	<.2	<10.	<2.
95	22077	<.02	<.2	<10.	<2.
96	22078	<.02	<.2	<10.	<2.
97	22079	<.02	<.2	<10.	<2.
98	22080	<.02	<.2	10.	<2.
99	22081	<.02	<.2	<10.	<2.
100	22082	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
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Tucson, Arizona 85703
(602) 622-4836

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
101	22083	<.02	<.2	<10.	<2.
102	22084	<.02	<.2	<10.	<2.
103	22085	<.02	<.2	<10.	<2.
104	22086	<.02	<.2	<10.	<2.
105	22087	<.02	<.2	750.	110.
106	22088	<.02	<.2	50.	2.
107	22089	<.02	<.2	30.	2.
108	22090	<.02	<.2	20.	<2.
109	22091	<.02	<.2	<10.	<2.
110	22092	<.02	<.2	<10.	<2.
111	22093	<.02	<.2	<10.	<2.
112	22094	<.02	<.2	<10.	<2.
113	22095	<.02	<.2	10.	<2.
114	22096	<.02	<.2	<10.	<2.
115	22097	<.02	<.2	<10.	<2.
116	22098	<.02	<.2	10.	<2.
117	22099	<.02	<.2	20.	<2.
118	22100	<.02	<.2	20.	<2.
119	22101	<.02	<.2	<10.	<2.
120	22102	<.02	<.2	<10.	<2.
121	22103	<.02	<.2	10.	<2.
122	22104	<.02	<.2	<10.	<2.
123	22105	<.02	<.2	<10.	<2.
124	22106	<.02	<.2	10.	<2.
125	22107	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

JOB NO. TFQ 196
January 10, 1985

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
126	22108	<.02	<.2	10.	<2.
127	22109	<.02	<.2	20.	<2.
128	22110	<.02	<.2	20.	<2.
129	22111	<.02	<.2	<10.	<2.
130	22112	<.02	<.2	10.	<2.
131	22113	<.02	<.2	10.	4.
132	22114	<.02	<.2	<10.	<2.
133	22115	<.02	<.2	<10.	<2.
134	22116	<.02	<.2	10.	<2.
135	22117	<.02	<.2	10.	<2.
136	22118	<.02	<.2	20.	<2.
137	22119	<.02	<.2	10.	<2.
138	22120	<.02	<.2	10.	<2.
139	22121	<.02	<.2	<10.	<2.
140	22122	<.02	<.2	<10.	<2.
141	22123	<.02	<.2	<10.	<2.
142	22124	<.02	<.2	10.	<2.
143	22125	<.02	<.2	<10.	<2.
144	22126	<.02	<.2	10.	<2.
145	22127	<.02	<.2	<10.	<2.
146	22128	<.02	<.2	<10.	<2.
147	22129	<.02	<.2	<10.	<2.
148	22130	<.02	<.2	10.	<2.
149	22131	<.02	<.2	<10.	<2.
150	22132	<.02	<.2	<10.	<2.

SKYLINE LABS, INC.
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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
151	22133	<.02	<.2	<10.	<2.
152	22134	<.02	<.2	<10.	<2.
153	22135	<.02	<.2	<10.	<2.
154	22136	<.02	<.2	<10.	<2.
155	22137	<.02	<.2	<10.	<2.
156	22138	<.02	<.2	10.	<2.
157	22139	<.02	<.2	<10.	<2.
158	22140	<.02	<.2	10.	<2.
159	22141	<.02	<.2	<10.	<2.
160	22142	<.02	<.2	<10.	<2.
161	22143	<.02	<.2	<10.	<2.
162	22144	<.02	<.2	<10.	<2.
163	22145	<.02	<.2	<10.	<2.
164	22146*	0.00*	.0*	0.*	0.*
165	22147	<.02	<.2	<10.	<2.
166	22148	<.02	<.2	<10.	<2.
167	22149	<.02	<.2	<10.	<2.
168	22150	<.02	<.2	<10.	<2.
169	22151	<.02	<.2	<10.	<2.
170	22152	<.02	<.2	<10.	<2.
171	22153	<.02	<.2	<10.	<2.
172	22154	<.02	<.2	<10.	<2.
173	22155	<.02	<.2	<10.	18.
174	22156	<.02	<.2	<10.	<2.
175	22157	<.02	<.2	<10.	<2.

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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
176	22158	<.02	<.2	<10.	<2.
177	22159	<.02	<.2	<10.	<2.
178	22160	<.02	<.2	<10.	<2.
179	22161	<.02	<.2	<10.	<2.
180	22162	<.02	<.2	<10.	<2.
181	22163	<.02	<.2	<10.	<2.
182	22164	<.02	<.2	<10.	<2.
183	22165	<.02	<.2	<10.	<2.
184	22166	<.02	<.2	10.	<2.
185	22167	<.02	<.2	<10.	<2.
186	22168	<.02	<.2	<10.	<2.
187	22169	<.02	<.2	10.	<2.
188	22170	<.02	<.2	<10.	<2.
189	22171	<.02	<.2	<10.	<2.
190	22172	<.02	<.2	<10.	<2.
191	22173	<.02	<.2	<10.	<2.
192	22174	<.02	<.2	<10.	<2.
193	22175	<.02	<.2	<10.	<2.
194	22176	<.02	<.2	<10.	<2.
195	22177	<.02	<.2	<10.	<2.
196	22178	<.02	<.2	<10.	<2.
197	22179	<.02	<.2	<10.	<2.

*NOTE: The following samples were not received:
Item No. 39 Sample No. 22021
Item No. 164 Sample NO. 22146

William L. Lehmbeck
Manager

SKYLINE LABS, INC.
1775 W. Sahuaro Dr. • P.O. Box 50106
Tucson, Arizona 85703
(602) 622-4836

REPORT OF ANALYSIS

JOB NO. TFQ 195
December 24, 1984
21837 TO 22021

SUPERIOR OIL COMPANY
Attn: Mr. J.E. Poulter
P.O. Box 31870
Tucson, Arizona 85751

Analysis of 144 Cutting Samples

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
1	21837	<.02	<.2	<10.	<2.
2	21839	<.02	<.2	<10.	<2.
3	21841	<.02	<.2	<10.	<2.
4	21842	<.02	<.2	<10.	2.
5	21843	<.02	<.2	<10.	<2.
6	21844	<.02	<.2	<10.	<2.
7	21845	<.02	<.2	<10.	6.
8	21847	<.02	<.2	<10.	<2.
9	21848	<.02	<.2	30.	<2.
10	21849	<.02	<.2	30.	2.
11	21850	<.02	<.2	20.	<2.
12	21851	<.02	<.2	10.	<2.
13	21852	<.02	<.2	10.	<2.
14	21853	<.02	<.2	<10.	<2.
15	21854	<.02	<.2	<10.	<2.
16	21855	<.02	<.2	<10.	<2.
17	21856	<.02	<.2	<10.	<2.
18	21857	<.02	<.2	<10.	<2.
19	21858	<.02	<.2	<10.	<2.
20	21859	<.02	<.2	<10.	<2.
21	21860	<.02	<.2	<10.	<2.
22	21861	<.02	<.2	<10.	<2.
23	21862	<.02	<.2	<10.	<2.
24	21863	<.02	<.2	<10.	<2.
25	21864	<.02	<.2	<10.	<2.

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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
26	21865	<.02	<.2	<10.	<2.
27	21866	<.02	<.2	20.	2.
28	21867	<.02	<.2	20.	<2.
29	21868	<.02	<.2	<10.	<2.
30	21869	<.02	<.2	10.	<2.
31	21870	<.02	<.2	20.	<2.
32	21871	<.02	<.2	<10.	<2.
33	21872	<.02	<.2	10.	2.
34	21873	<.02	<.2	10.	<2.
35	21874	<.02	<.2	<10.	<2.
36	21875	<.02	<.2	10.	2.
37	21876	<.02	<.2	<10.	<2.
38	21877	<.02	<.2	<10.	<2.
39	21878	<.02	<.2	<10.	2.
40	21879	<.02	<.2	<10.	<2.
41	21880	<.02	<.2	<10.	<2.
42	21881	<.02	<.2	<10.	<2.
43	21882	<.02	<.2	10.	<2.
44	21883	<.02	<.2	<10.	<2.
45	21884	<.02	<.2	<10.	<2.
46	21885	<.02	<.2	<10.	<2.
47	21886	<.02	<.2	<10.	<2.
48	21887	<.02	<.2	10.	<2.
49	21888	<.02	<.2	<10.	<2.
50	21889	<.02	<.2	<10.	<2.

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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
51	21890	<.02	<.2	<10.	<2.
52	21891	<.02	<.2	<10.	2.
53	21892	<.02	<.2	10.	<2.
54	21893	<.02	<.2	20.	2.
55	21894	<.02	<.2	<10.	<2.
56	21895	<.02	<.2	<10.	<2.
57	21896	<.02	<.2	<10.	<2.
58	21935	<.02	<.2	<10.	<2.
59	21936	<.02	<.2	<10.	<2.
60	21937	<.02	<.2	<10.	<2.
61	21938	<.02	<.2	<10.	<2.
62	21939	<.02	<.2	<10.	2.
63	21940	<.02	<.2	<10.	<2.
64	21941	<.02	<.2	10.	<2.
65	21942	<.02	<.2	<10.	<2.
66	21943	<.02	<.2	20.	<2.
67	21944	<.02	<.2	10.	<2.
68	21945	<.02	<.2	20.	<2.
69	21946	<.02	<.2	10.	<2.
70	21947	<.02	<.2	20.	<2.
71	21948	<.02	<.2	<10.	<2.
72	21949	<.02	<.2	<10.	<2.
73	21950	<.02	<.2	<10.	<2.
74	21951	<.02	<.2	<10.	<2.
75	21952	<.02	<.2	<10.	<2.

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ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
76	21953	<.02	<.2	<10.	<2.
77	21954	<.02	<.2	10.	<2.
78	21955	<.02	<.2	<10.	<2.
79	21956	<.02	<.2	<10.	<2.
80	21957	<.02	<.2	<10.	<2.
81	21958	<.02	<.2	<10.	<2.
82	21959	<.02	<.2	10.	<2.
83	21960	<.02	<.2	<10.	<2.
84	21961	<.02	<.2	<10.	<2.
85	21962	<.02	<.2	<10.	<2.
86	21963	<.02	<.2	<10.	<2.
87	21964	<.02	<.2	20.	<2.
88	21965	.10	1.6	10.	2.
89	21966	.03	<.2	<10.	<2.
90	21967	<.02	<.2	<10.	2.
91	21968	<.02	<.2	<10.	<2.
92	21969	.03	<.2	10.	4.
93	21970	<.02	<.2	<10.	2.
94	21971	<.02	<.2	<10.	<2.
95	21972	<.02	<.2	<10.	<2.
96	21973	<.02	<.2	<10.	<2.
97	21974	<.02	<.2	<10.	<2.
98	21975	<.02	<.2	<10.	<2.
99	21976	<.02	<.2	10.	<2.
100	21977	<.02	<.2	10.	<2.

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JOB NO. TFQ 195
December 24, 1984

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
101	21978	<.02	<.2	10.	<2.
102	21979	<.02	<.2	<10.	<2.
103	21980	<.02	<.2	10.	2.
104	21981	<.02	<.2	10.	<2.
105	21982	<.02	<.2	10.	<2.
106	21983	<.02	<.2	10.	<2.
107	21984	<.02	<.2	20.	<2.
108	21985	<.02	<.2	10.	2.
109	21986	<.02	<.2	<10.	<2.
110	21987	<.02	<.2	10.	<2.
111	21988	<.02	<.2	10.	<2.
112	21989	<.02	<.2	10.	<2.
113	21990	<.02	<.2	<10.	<2.
114	21991	<.02	<.2	10.	<2.
115	21992	<.02	<.2	<10.	<2.
116	21993	<.02	<.2	10.	<2.
117	21994	<.02	<.2	10.	2.
118	21995	<.02	.2	<10.	2.
119	21996	<.02	<.2	<10.	<2.
120	21997	<.02	<.2	<10.	<2.
121	21998	<.02	<.2	<10.	2.
122	21999	<.02	<.2	10.	4.
123	22000	<.02	<.2	10.	<2.
124	22001	<.02	<.2	<10.	<2.
125	22002	<.02	<.2	20.	<2.

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JOB NO. TFQ 195
December 24, 1984

ITEM	SAMPLE NO.	Au (ppm)	Ag (ppm)	As (ppm)	Sb (ppm)
126	22003	<.02	<.2	20.	<2.
127	22004	<.02	<.2	10.	<2.
128	22005	<.02	<.2	20.	<2.
129	22006	<.02	<.2	10.	<2.
130	22007	<.02	<.2	10.	<2.
131	22008	<.02	<.2	20.	2.
132	22009	<.02	<.2	70.	<2.
133	22010	<.02	<.2	20.	2.
134	22011	<.02	<.2	<10.	<2.
135	22012	<.02	<.2	<10.	<2.
136	22013	<.02	<.2	10.	<2.
137	22014	<.02	<.2	<10.	<2.
138	22015	<.02	<.2	20.	2.
139	22016	<.02	<.2	10.	<2.
140	22017	<.02	<.2	30.	<2.
141	22018	<.02	<.2	10.	<2.
142	22019	<.02	<.2	10.	2.
143	22020	<.02	<.2	10.	<2.
144	22021	<.02	<.2	10.	<2.