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MOHAVE COUNTY GOLD "RESERVES" - RESOURCES

\* = Elephant County (Potential for Asarco: Keep track of + future work)

\* Cyclopic - Gold Basin - +5 m.t. @ ± .04 opt Rough Estim. Resource -  
Corn/Ahren

Including: 300,000T @ 0.15 opt indicated  
(Wyman + King)

AZ Dept. Min. Res. -  
Phoenix

Including: 67,000T @ 0.28 opt indicated  
(McIntire)

(need to review data)

Saratoga Mines has lease from Wyman + King.

Production +60,000T @ 0.35 (Tails +5000T run 0.08 opt) - Corn

U.S. Borax Drill: 200,000T @ 0.04 (1983) W&N of Cyclopic, spotty,  
now Loghry/Corn/Ahren

(F.R.K. will sample a few of neglected better areas)

Back from Icarus-Teton Expl. 3/15/87.

\* N. Black Mtns: Van Deeman: Fischer-Watt Gold (US-OTC)/Arizona Star  
(+WSA) Resources (VSE)

(235 unpat. claims from Kunkes): fill-in - step out drilling

Spring 1987 (May 1 start + detailed mapping + sample on north end).

2-10 m.t. @ .04-.05 "potential" (including area W. of Pope Mine)

2.6 m.t. @ 0.042 .5-1.5/1 w/o indicated + infer. GCNL 2/9/87

.72 m.t. @ 0.042 1.2/1 w/o @.01 c/o indic.+prob. 65 holes+40' thick

.75 m.t. @ 0.042 - possible

— P. Dunning 12/86

Gold Bug (Ivy Minerals): 300T @ ± 4. opt Au Drilled to 200' (vein)  
Bill Vanderwall. Mgr. (Geol) (7 pat. claims)

+5000T @ 1. opt Au in vn to 400'; shaft retimbering, to 250'

2/87 - May ship to Hayden - mini-mill later (vn-lower plate p6)

Check out Liberty Mine color range anom., lower plate, drilled Freeport  
1982, Sec. 33, T27N, R21W.

+\*Mockingbird (Chevron, Ex-Anaconda) New Chevron claims S. of

Mockingbird 4/86

Production: +20-30,000T @ .4 opt Au-(+5,000T Tails) - Guess FRK +  
Shrader

+8 RDH Drilled Oct 1985 at Mockingbird Mine (Kyllo-Noon, Las V.?)

Plans of operations for Spring 1987 drilling by Chevron and another  
Group S. of Mine filed with BLM

April 7, 1988

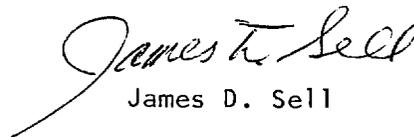
M.A. Miller

Gold Basin-Lost Basin District  
T27-30N, R16-19W  
Mohave County, AZ

The USGS has just released their 167 page Professional Paper 1361: Geology and Gold Mineralization of the Gold Basin - Lost Basin Mining Districts, Mohave County, AZ, by Ted G. Theodore, et al (1987).

The implications of this study involving the two-mica granites and detachment structures and gold deposits is worthy of your review.

JDS:mek

  
James D. Sell

cc: T. Dalla Vista

gouge. The vein is said to yield good values throughout, the average being about \$10 in gold to the ton, but the honeycombed quartz is the richest part of it.

At 120 feet in from the mouth of the drift the vein is abruptly cut off by a fault, immediately beyond which occurs a dark schistose rock that may be an intrusive. Near the fault the vein enlarges to about 12 feet in width, the enlargement being mainly on the foot-wall side and containing much honeycombed quartz, and the ore, greatly increased in quantity, is said to contain higher values. Some of it averaged about \$100 a ton in a large chamber, from which much ore has been removed.

The fault fades north at an angle of about 10°. It is a normal one and the lost portion of the vein has risen toward the southeast. The amount of throw was not determined, but it is probably not very great. Beyond the fault the drift extends about 100 feet on the projected course of the vein which, however, has not been found.

On the south the deposits occur in a blanket vein, which is 3 to 5 feet thick, dips about 25° SE., and is probably a portion of the vein in the north drift, for it straightens up in that direction toward the top of the hill. The blanket portion has been mined over an area of about 100 feet along the strike and a breadth of 35 feet down the dip, and it probably produced good values.

#### CYCLOPIC MINE.

*Location and history.*—The Cyclopic mine is located in the southeastern part of the district, about 5 miles southwest of the Eldorado mine, near the head of Cyclopic Wash, at about 4,500 feet elevation, on open ground. It was discovered in the early eighties by Patterson, Rowe, and Glen, and about 1896 it was leased to a Seattle company. In 1901, with the Golden Rule mine, it was sold to Robbins & Walker, of Minneapolis, who milled some ore. The coarse tailings still on the ground are said to contain about \$7 in gold to the ton. Since 1904 the mine has been owned by the Cyclopic Gold Mining Company, of Denver. A considerable amount of bullion is said to have been produced, but the exact amount was not ascertained.

*Developments.*—The mine is developed mainly by shallow, mostly inclined shafts, drifts, and crosscuts to a maximum depth of about 70 feet, but most of the workings do not extend below 30 feet. The developments probably aggregate about 1,000 feet of work.

As the mine is located in a broad wash, some of the workings have become filled with wash débris at times of flood. The principal equipments are an Ellspass mill, operated by a 26-horsepower engine, and a cyanide plant. The water supply is pumped by a small gasoline plant from the west side of the range, several miles distant.

*Geology.*—The country rock is a medium-grained coarsely porphyritic granite. It outcrops in association with the deposits and forms the foothills immediately on the southwest. Paralleling this rock, the wash, and the deposits on the northeast, and constituting the ridge on which the office and other buildings stand, is a fine-grained reddish granitic rock, with which is associated some of the same biotite granite that underlies the Eldorado mine. In contact with the deposits, particularly to the northwest, there is also a coarse red pegmatite.

*Deposits.*—The deposits are ill defined and not well understood. They consist of gold-bearing iron-stained breccias and sands of vein quartz, in a few places somewhat resembling conglomerate. The material is cemented by silica and iron oxide, but is in part loosely coherent. It trends from a point near the mill N. 57° W. up the wash and is contained in, and for the most part seems to occupy, an area three-fourths of a mile in length by about 200 feet or more in width. Prominent reefs of silicified iron-stained breccia several or more feet in width outcrop several feet above the surface. They are in practically all respects identical with the croppings of the Golden Rule and other veins that have been described. They do not, however, as a rule, continue in depth in the manner of a fissure vein, nor seem to have any definite fissure wall, but usually at a short distance below the surface give way to less firm material having an imperfect synclinal structure. In the northern part, the pseudovein croppings dip toward each other and their attitude suggests that they may be synclinal limbs of the same vein deposit.

From the principal openings near the mill in the southeastern part of the deposit the croppings representing the main or Cyclopic vein extend N. 57° W. They are continuous for the first 400 feet and are accompanied by some underlying vein quartz or ore and show ore in sight at both ends of the 400-foot excavation. Between this vicinity, however, and the northwest limits of the deposits, the croppings of the vein are interrupted, and some pits and cuts have failed to find ore there.

The croppings of the other vein extend without interruption from a point about one-fourth of a mile northwest of the principal opening for a distance of 350 feet to the northwest. They are nearly parallel with the main vein, from which they are about 350 feet distant.

The ore thus far has been derived mostly from these veins, but crosscuts 80 feet or more in length have been run in a considerable portion of the deposits between them and report fair values, which, however, seem to occur in lines or zones paralleling the deposits. Practically no mining has been done below a depth of about 30 feet. Near this level there is reported to occur a bed of red clay or gouge, which was formerly supposed to mark the lower limit of the ore, but

ore is said to have been found below it. The altered granite for a width of 100 feet or more bordering the deposit is also said to contain \$2 to \$4 a ton in gold.

The ore is of low grade, and is said to mill on the average from \$7 to \$8 a ton in gold, and to cyanide well. It contains also a little silver and a trace of copper, the latter occurring chiefly as malachite and not in sufficient amount to interfere with the cyanidation. The company is reported to have recently computed about 1,000,000 tons of ore in sight.

## GOLD BELT MINE.

The Gold Belt mine is located on the southeast side of Banker Wash. at about 5,000 feet elevation. It is owned by Henry Paully. The country rock is an amphibolite schist, dipping about 30° W. At the western of the two principal openings the deposits are contained in a blanket vein of quartz 15 feet thick, inclining gently eastward, but thinning out in a distance of about 30 feet. The eastern opening shows two quartz blanket veins, each 2 to 6 feet in thickness, dipping gently westward and separated by a 4-foot dike of some volcanic rock that seems to be basalt, but is altered beyond identification.

The ore is said to be of two grades, the lower grade yielding from \$4 to \$7 in gold to the ton and the better grade from \$16 to \$20 to the ton and some as high as several hundred dollars a ton, that occurring in the porous or honeycombed quartz being the best. The deposit is reported to have produced a few hundred dollars' worth of ore.

## SENATOR MINE.

The Senator mine is located some distance beyond the border of the Gold Basin district, about 7 miles northwest of the Eldorado and Golden Rule mines and about 7 miles south of Colorado River, on a low round hill at the southeast base of a prominent landmark known as "Senator Mountain." The mine was discovered late in the eighties by John Burnett, who in 1892 sold it for \$14,000 to Senator Page, of Los Angeles, who in turn sold it to a Colorado company. The company at once installed a 10-stamp mill on Colorado River, 2 miles below Salt Springs, operated the mine and mill for about six months, and then suspended. Later the property was acquired by or leased to the Salt Springs Mining Company, which operated it about a month in 1903 and shut down, the ore being of too low grade to pay for its haulage to the mill, 7 miles distant, and for bringing supplies from Hackberry and Kingman, 50 and 60 miles distant, respectively. The mine is reported to have been abandoned since then.

The mine is developed principally by open work, cuts, and adits. The deposits are said to be nearly flat lying and similar in character to those of the Cyclopic mine (p. 125), but they form a

larger body. The ore is said to be similarly low in grade, averaging about \$3 in gold to the ton. According to Comstock,<sup>a</sup> the deposits exhibit structural features resembling those of "brecciated fusion" and "cooling lamination" and in origin seem to be associated with igneous intrusion.

## DEPOSITS AT SALT SPRINGS.

The Salt Springs mine is about 7 miles northeast of the Senator mine and several miles south of Colorado River, in the first canyon west of Hualpai Wash. It is owned by the Salt Springs Mining Company, which is said to include members of the Arizona-Minnesota Gold Mining Company. The country rock is granite. The gold ore is said to occur sporadically in quartz bodies, and its downward limit is usually indicated by copper-stained quartz.

Other properties in this district are the Smuggler-Union group, the Eureka mine, and the Lutley group.

## WHITE HILLS DISTRICT.

## GENERAL DESCRIPTION.

## LOCATION AND HISTORY.

The White Hills district is located about 28 miles north of Chloride, in the western border of the White Hills, at about 3,000 feet elevation. It comprises an area about 2 miles in diameter and is a part of the Indian Secret mining district, so named because the knowledge of the presence of its mineral was for a long time withheld from the whites by the Indians.

The first discovery of mineral in the district by white men was made by Henry Shaffer in May, 1892, through the aid of an Indian known as Hualpai Jeff, who exhibited a piece of rich silver ore at Gold Basin and showed Shaffer its source, where the Indians procured the supply of red iron oxide with which they adorned their faces. The locality is at the site of the Hidden Treasure mine.

After making several locations, Shaffer reported the discovery at Gold Basin and was soon joined by John Burnett and John Sullivan, who also located what later proved to be some of the best mines. The trio began work and were soon shipping very rich ore, some averaging \$1,000 a ton. The camp soon became the largest in the region and reached its zenith in 1894, with a population of 1,200. Within a short time the camp was owned by one company, the White Hills Mining Company, of which the chief men were R. T. Root and D. H. Moffatt, of Denver. A 10-stamp mill was built early in 1904; in

<sup>a</sup> Comstock, Theodore B., Geology and vein phenomena of Arizona: Trans. Am. Inst. Min. Eng., vol. 30, 1900, pp. 1048-1049.

... be ... in the sulphide zone in the lower part of the mine than in the oxide zone near the surface. Its run of mine, roughly computed from a record of the output from October 10, 1885, to March 6, 1901, is about as follows: Silver 160 ounces and gold 2 ounces to the ton; lead, 12 to 20 per cent.

**Production.**—The production is reported to be \$1,300,000, that of silver alone amounting to about \$1,000,000; and several thousand dollars' worth of medium-grade ore are said to now lie on the dump. The output was mostly made between the autumns of 1885 and 1892. During this period 3,687 tons of ore are reported, according to smelter return sheets, to have contained about 402,000 ounces of silver, 1,180 ounces of gold, and 515,760 pounds of lead. Later, about 1900 to 1902, about 17,550 ounces of silver, 180 ounces of gold, and 114,360 pounds of lead are said to have been obtained from 330 tons of concentrates.

**MINES OF CANYON STATION WASH.**

In Canyon Station Wash, about a mile north of C. O. D. Wash, there are reported to be several small mines, of which the most important seem to be the Baden-Baden, King, and Queen mines, said to be owned by Lewis Davidson, of Kingman.

**MINES IN "TOP OF STOCKTON HILL" AREA.**

The "top of Stockton Hill" is situated in the northwestern part of the district, at the crest of the range, between the northern part of the Cerbat district on the west and the heads of I. X. L. and C. O. D. washes on the east. The mines include the Cincinnati, Miner's Hope, Blue Bell, Fountain Head, Brown, and others, the most important of which seems to be the Cincinnati. It is situated near the crest of the range about midway between Lane Springs and I. X. L. basins. It has not been worked for many years, but is regarded as a good property.

**GOLD BASIN DISTRICT.**

**GENERAL FEATURES.**

The Gold Basin mining district, of which Basin is the post-office, is situated in the eastern part of the White Hills (fig. 18). It extends over a hilly area about 6 miles in diameter, sloping to Hualpai Wash on the east, and ranges from 2,900 to 5,000 feet in elevation. The northeastern portion, where most of the mines are situated, is rugged, being marked by longitudinal fault scarps and scored by

The mine is said to contain no copper above the 200-foot level, but in an opening half a mile west of the mine and about 500 feet above it, on what is thought to be the same vein, the ore, which here occurs in a milk-white quartz gangue, consists chiefly of bornite and chalcopyrite, with some zinc blende, and about \$20 in gold to ton.

several deep transverse washes, of which the principal ones are Banker, O. K., and Cyclopic, situated about 2 miles apart. The nearest railway station is Hackberry, 40 miles to the south, with which connection is made by stage line. Colorado River lies 16 miles to the north. Mineral was first discovered here early in the seventies, but remoteness from the base of supplies, together with scarcity of fuel and water, renders operations expensive and has materially retarded developments. Nevertheless, considerable progress has been made and much ore has been produced and worked in arrastres and mills.

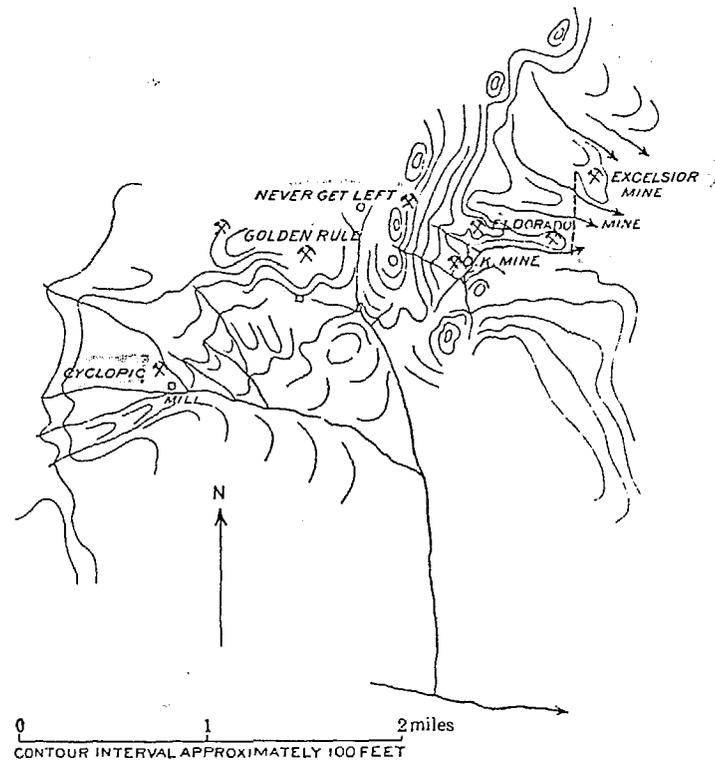


FIGURE 18.—Sketch map of Gold Basin district.

The deposits occur mainly in fissure veins in the pre-Cambrian crystalline rocks. The veins dip southeastward or northwestward, mainly at angles of 40° or 70°. The gangue is quartz, in places with siderite, and the metal is gold, mostly free milling, but it is associated with lead or copper ores, copper stain being a good indication of the gold values. Pyrite, chalcopyrite, galena, molybdenite, and wolframite are found, but the ore is largely oxidized, the water level not having been reached. Among the oxidized products are limonite, malachite, cerusite, and vanadinite.

USGS Bell 397 F.C. Schwaner 1909

The district contains about half a dozen small mines and about an equal number of good-looking prospects. The relative location of the most important is shown in the small sketch map (fig. 18). The principal mines are the Eldorado, Excelsior, Golden Rule, Jim Blaine, Never-get-left, O. K., and Cyclopic. The production of the district is given as more than \$100,000, most of which came from the Eldorado mine.

## ELDORADO MINE.

*Location and history.*—The Eldorado mine is located in the high foothills in the eastern part of the district, at about 4,000 feet elevation and 1,000 feet above Hualpai Wash, which is about 2 miles distant. The mine is reached by wagon road, over which most of the ore was hauled to the Basin or O. K. mill, 4 miles distant in Hualpai Valley. This mill, which was burnt while in operation in August, 1906, contained 10 stamps and a cyanide plant.

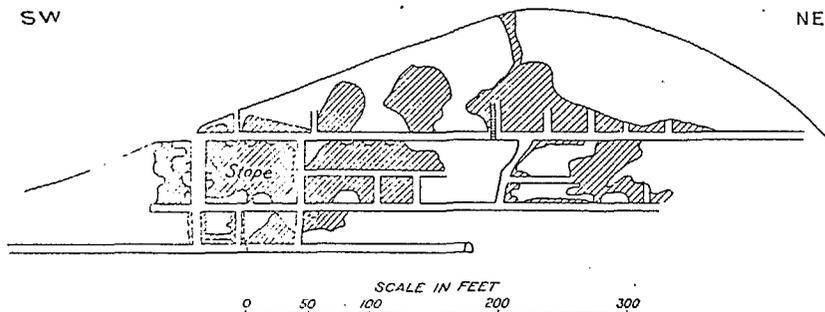


FIGURE 19.—Longitudinal section of Eldorado mine, showing stopes.

The mine was discovered late in the seventies and produced the first bullion taken from the district, much of its ore being at first worked in arrastres. It is owned by the Arizona-Minnesota Gold Mining Company, of Minneapolis. The production is reported to be \$65,000, of which \$5,000 was produced prior to 1902.

*Developments.*—The mine is developed principally by about 2,000 feet of tunnels and drifts and 40,000 cubic feet of stopes on three levels, aggregating probably about 90,000 cubic feet of underground work and distributed approximately as shown in the accompanying diagram (fig. 19). The lower tunnel trends about N. 33° E. and strikes the vein at about 200 feet in from the mouth. From this point the drift extends about 200 feet to the northeast.

*Geology.*—The country rock is a reddish schistose medium-grained granite. On the northeast, however, as shown at the surface and in the bottom of the mine, this rock gives way to a dark friable biotite granite. The contact between the two rocks dips about 30° W. It

is usually sharp and is probably a fault plane, which seems to cut off the vein on the northeast.

*Veins and ores.*—The deposit is a fissure vein, which strikes about N. 50° E. and dips 65° SE. It is continuous from the apex at the crest of the ridge to the contact in the lower tunnel of the mine and is stoped out through most of this extent. The walls are fair, but not regular. The vein averages several feet and the ore shoot about 20 inches in width. It contains iron-stained, free-milling gold-quartz ore, and is reported to average from \$12 to \$15 a ton in gold. The other associated minerals are malachite, lead carbonate, and vanadinite, the last occurring locally as incrustations of crystals one-fourth inch in maximum length. The principal mill treatment given to the ore was crushing, plate amalgamation, and cyanidation.

Just northwest of the apex of the vein above described and about 80 feet above it is the blanket vein, which is exposed for a length of 600 feet and a width of about 100 feet and which has contributed largely to the output of the mine. It dips about 25° E.

## O. K. AND EXCELSIOR MINES.

The O. K. and Excelsior mines were discovered and located by three prospectors, Patterson, Rowe, and Fox, early in the eighties. They worked the ores in arrastres and hauled some to the 4-stamp mill at Grass Springs. In 1886 the O. K. was sold to a Kansas City company, which at once put up the O. K. mill in Hualpai Valley and ran it intermittently from 1887 to 1890. The mill burned down in 1893, but was rebuilt in 1896 and operated by lessees for a time, and then again shut down. It started once more early in 1902 and ran intermittently until 1906, when it burned down while in operation. The water used at the mills was piped from the springs or water tunnels in the upper part of Grand Wash Cliffs, 7 miles to the northeast. The mines are now owned by the Arizona-Minnesota Gold Mining Company.

*O. K. mine.*—The O. K. mine is about half a mile south of the Eldorado mine and about 100 feet below it, on the opposite side of O. K. Wash. The mine is developed mainly by adit drifts, winzes, and stopes on four levels. There is about 1,600 feet of underground work, distributed approximately as shown in the section (fig. 20). The production is reported to be about \$25,000.

The country rock is a dark biotite granite, about the same as that which occurs in the bottom of the Eldorado mine. The strike is N. 30° E., with dip vertical. Slickensides pitch northeast-east toward the mouth of the drifts at angles of about 35°.

The vein trends N. 65° E., but curves to the north in its course and dips about 75° NW. It averages about 18 inches in width and is



FROM: W. L. KURTZ

To: Koutz

1-21-87  
filed with W, H, Z

① Econ Grad. Vol 81 #6

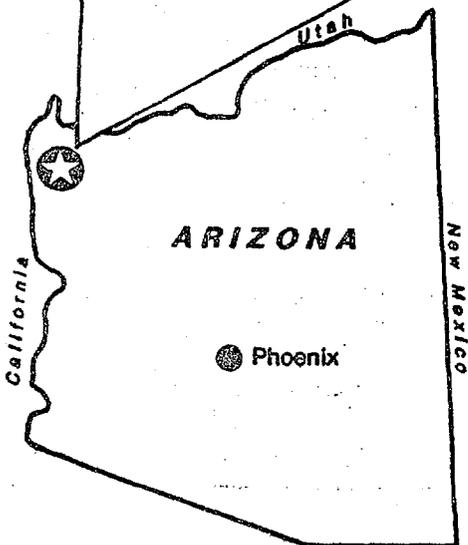
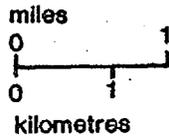
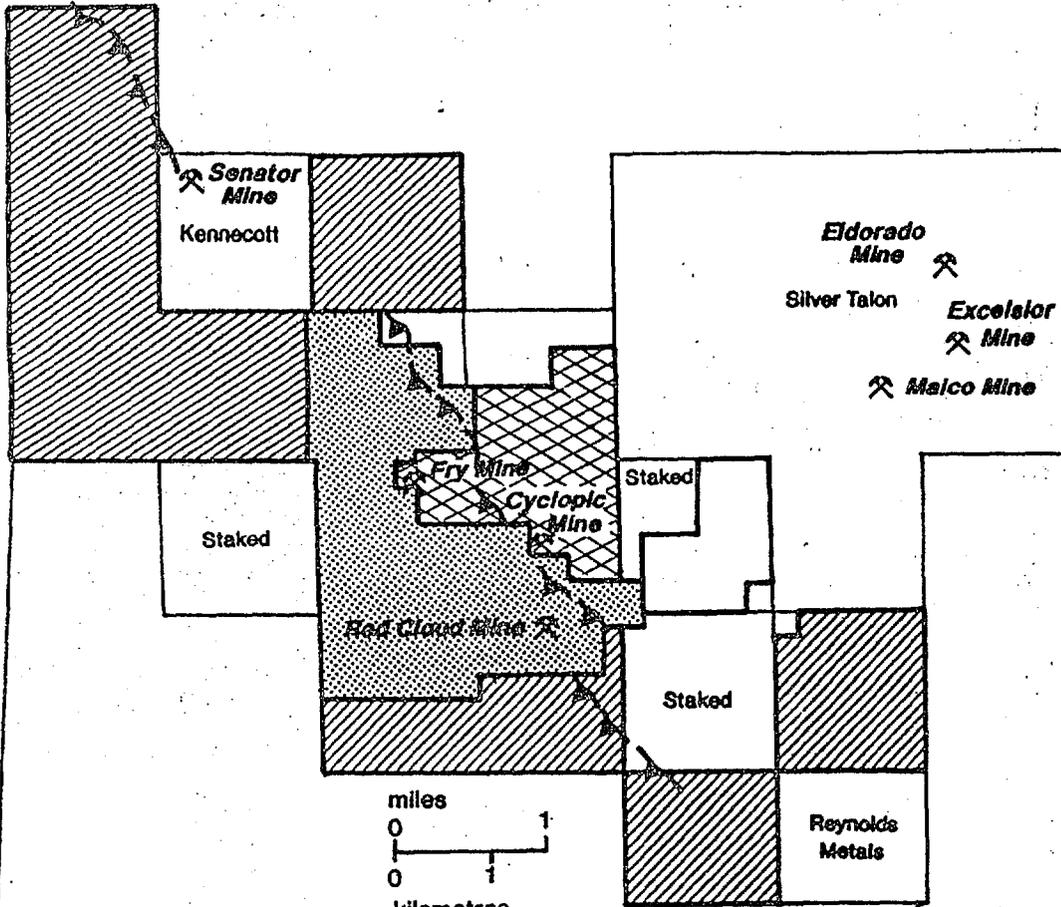
Communication on Cyclopic Man

② Jim Loghy is working in  
the area for his acc't. or  
someone's?

US Barak did not 2 holes dropped  
off, now Loghy has Canadian  
in there.

cc. T. Sell





-  Cons. Rhodes Res., Toltec Res. Ltd., Slocan
-  Cons. Rhodes Res., Toltec Res. Ltd. GOLDBASIN PROPERTY
-  Cons Rhodes Res., Toltec Res. Ltd. CYCLOPIC MINE PROPERTY
-  Regional Detachment Fault

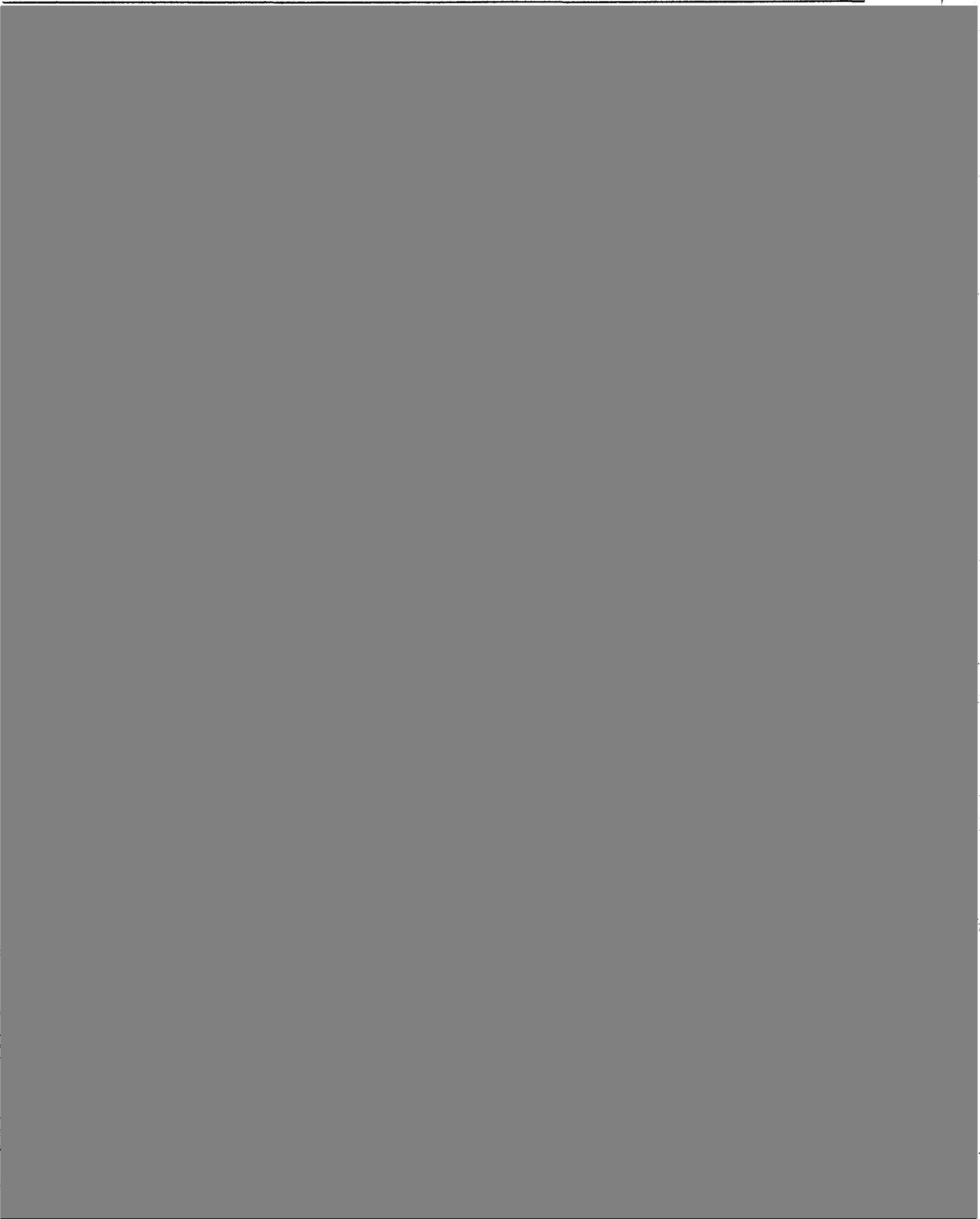
**PRIME EQUITIES INC.**

Consolidated Rhodes Res. Ltd.

**LAND HOLDINGS in the  
GOLD BASIN DISTRICT**  
Mojave County, Arizona

Date: October 2, 1990

Drafted by: E.R.





## ABSTRACT

Belt of veins apparently emplaced in Late E along SW high & and low & structures

Some gold is also found in small episyenitic pipes or in veins caught up tectonically in low & detachment structures

Regional low & detachment trend for 30km along eastern flank of White Hills.

Hydrothermal veins Pt

Cyclops Mine - expl. drilling 1968 failed find ore

Cyclops, O.K., Galswin mine produces over 200 years

Fluorite bearing episyenite vesicular gold

Cyclops veins caught up in low & faults

---

## Table 4

Golden Gate NW 1/4 2E32 30N 17W - frequent vein assoc. S. 3000 ft





**GAY GULCH DRILL HOLE ASSAYS**

87R-14	0.051/10
87R-15	0.067/20
87R-16	0.051/5
	0.060/10
87R-17	0.076/25
	0.120/5
87R-18	0.033/10
87R-20	0.100/5
87R-21	0.104/35
	0.040/5
87R-24	0.097/10
87R-38	0.103/10
	0.069/40
87R-39	0.160/5
87R-60	0.122/10
	0.045/5
87D-11	0.152/12.5
87D-12	0.123/3
	0.189/15

**ELDORADO CREEK DRILL HOLE ASSAYS**

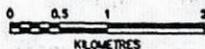
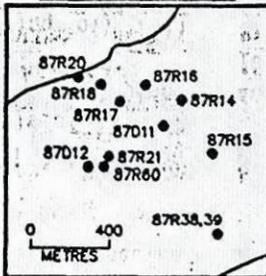
90R-30	0.081/10
90R-32	0.100/10
90R-35	0.130/15
90R-38	0.038/5
90R-47	0.031/30

**LEGEND**

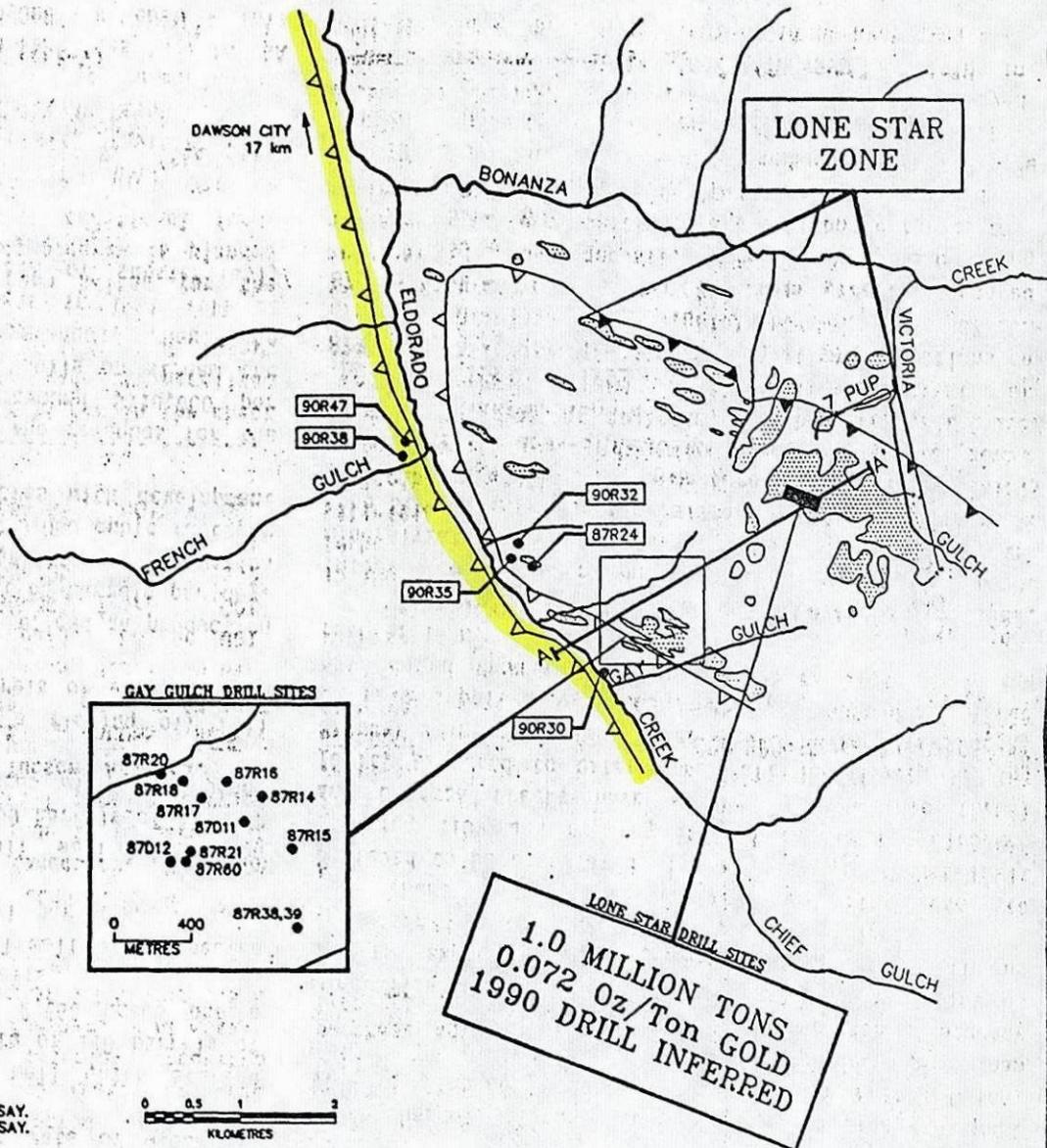
- GOLD SOIL ANOMALY
- RIVER
- ROTARY DRILL HOLE
- SEE X-SECTIONAL MAP
- $0.173/25$  Au(Oz/ton)/width(ft.)
- THRUST FAULT
- INFERRED FAULT



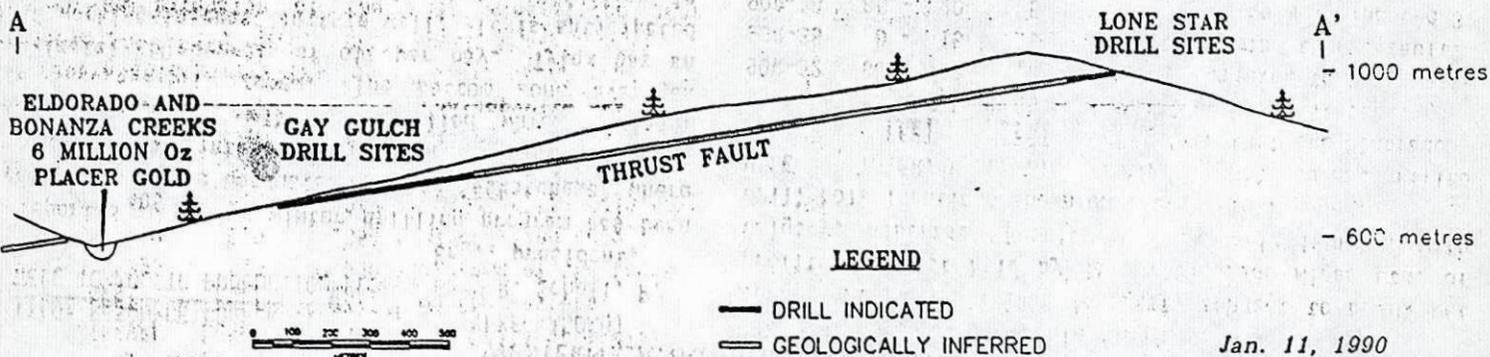
**GAY GULCH DRILL SITES**



NOTE: ALL 1987 RESULTS ARE BY REGULAR FIRE ASSAY.  
ALL 1990 RESULTS ARE BY METALLIC FIRE ASSAY.



**CROSS SECTION OF A - A'**



**LEGEND**

- DRILL INDICATED
- GEOLOGICALLY INFERRED

Jan. 11, 1990  
Drawn By: P. Scott

1710-688 GRANVILLE ST.  
P.O. BOX 10365 STOCK EXCHANGE TOWER  
VANCOUVER, B.C.  
V7Y 1G5  
(604) 683-7285  
FAX (604) 683-5306

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FEB 26 1991

EXPLORATION DEPARTMENT

*George Cross News Letter*

*Rebelle Reporting*

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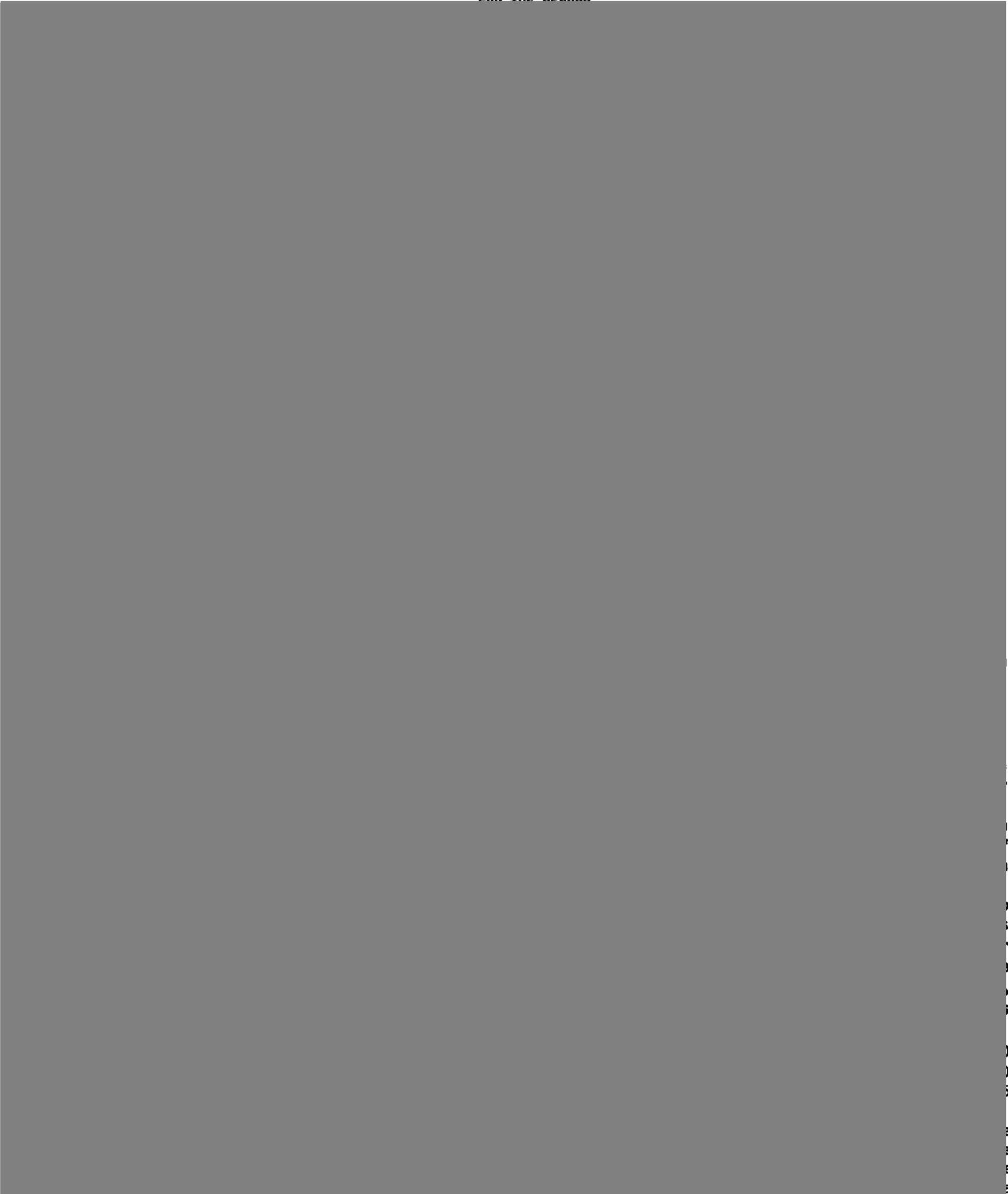
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FEBRUARY 25, 1991





FOR THE RECORD



40-day termination right.

back by Fri 20<sup>th</sup>  
16<sup>th</sup>  
No back Monday

Mr. Peter Loughheed  
Consolidated Rhales Resources Ltd.  
Vancouver, Canada  
604 / 687-7463.

Cyclogic Proj:  
White Hills, AZ

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780 Beatty St  
Vancouver, BC.

Prinsgeuties Inc.  
White Hills, AZ  
Orthophoto  
Ref. No. 1337-0  
1" = 400'

Certain map  
Ref. No. 1337-0.  
Jan 7, 1991.  
Sheet 1 of 1.

Jan. 1991

Permission to secure remaining surveyed data  
(dull holes, claim lines etc.) in McElhanney files.

Arden Larson

(702) 451 4600

2340 View Crest

Henderson NV

Mohave Survey

Kingman

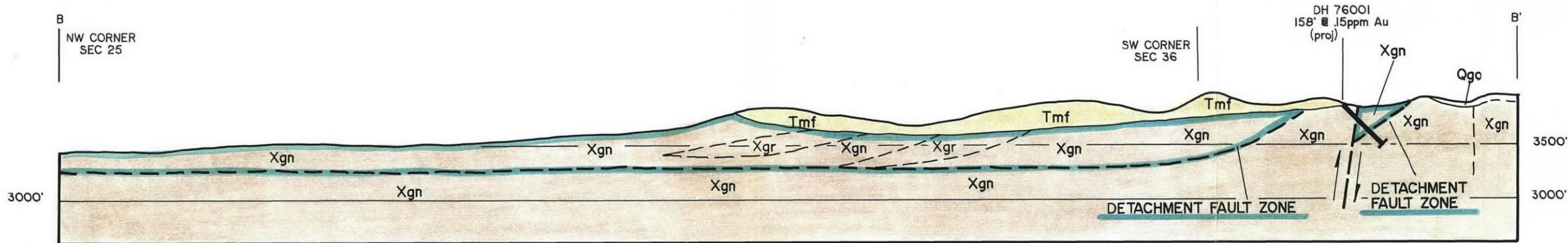
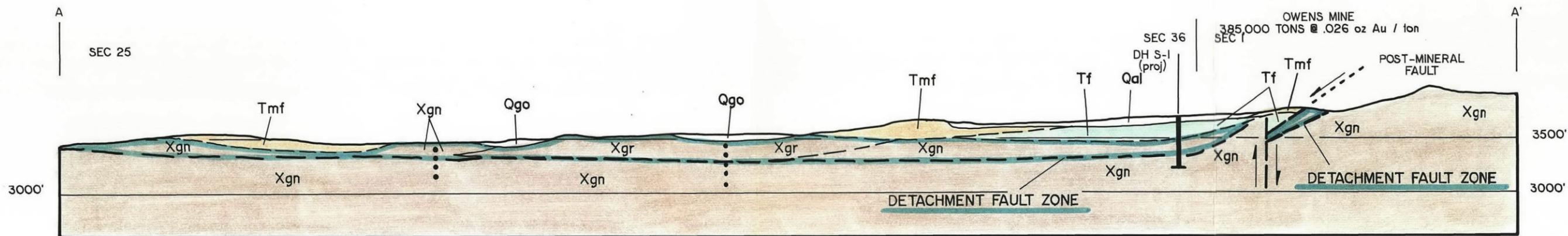
602 / 753 - 4647

Jeff Carlton  
Consolid Rhodes.

Wick Abner

Will send some data down after they  
run thru it.

11/22 Had lost my name, but PRIME has  
released all the data. Jeff will make  
up a list of hard copy & disc copy available  
& get back the 1st week in Dec.

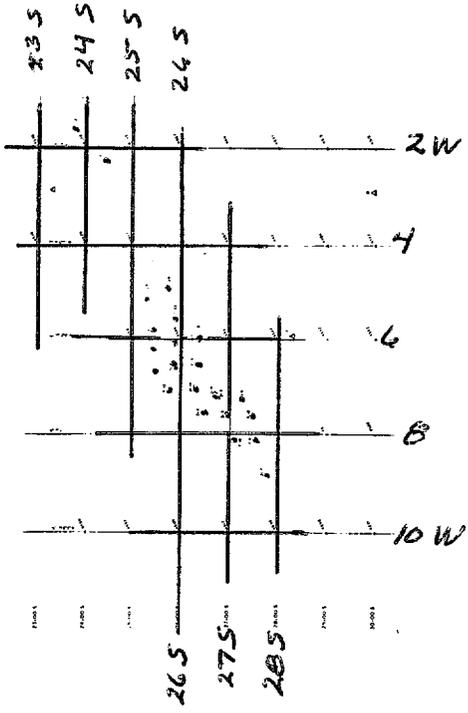


SCALE 1"=1000'

ASARCO Incorporated  
 GOLD BASIN DISTRICT  
**SECTIONS THRU THE OWENS MINE AREA**  
 MOHAVE CO., ARIZONA

R.M.C. MAY 1991  
 mn GB910606 RMC/DAM TUC 06/18/91

90

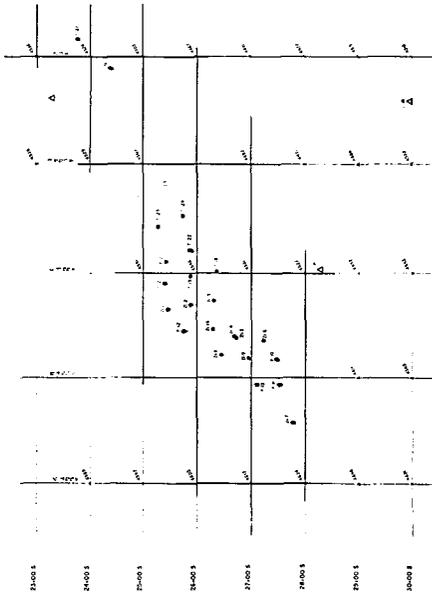


24

24

90

1" = 400'

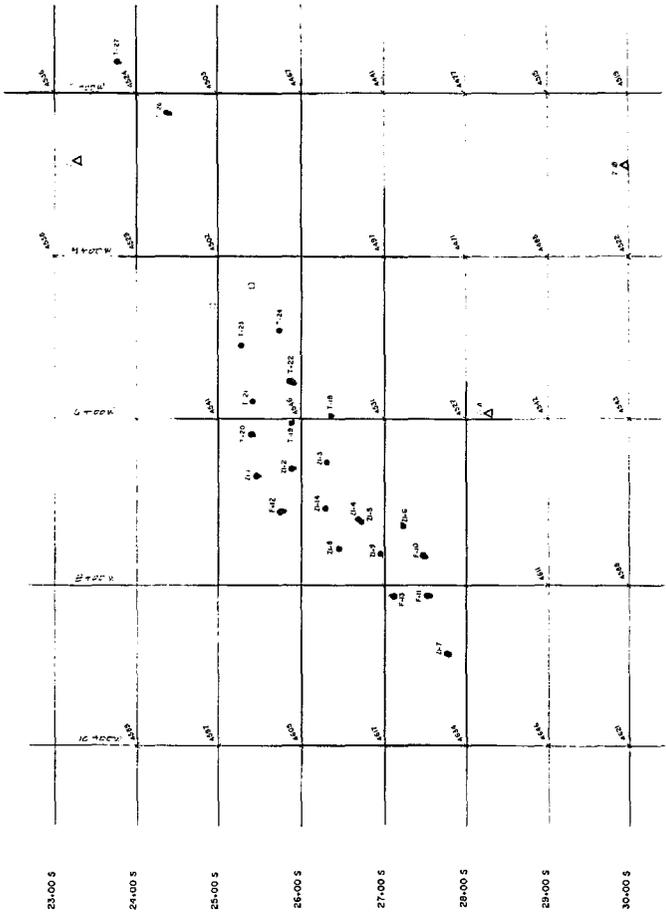


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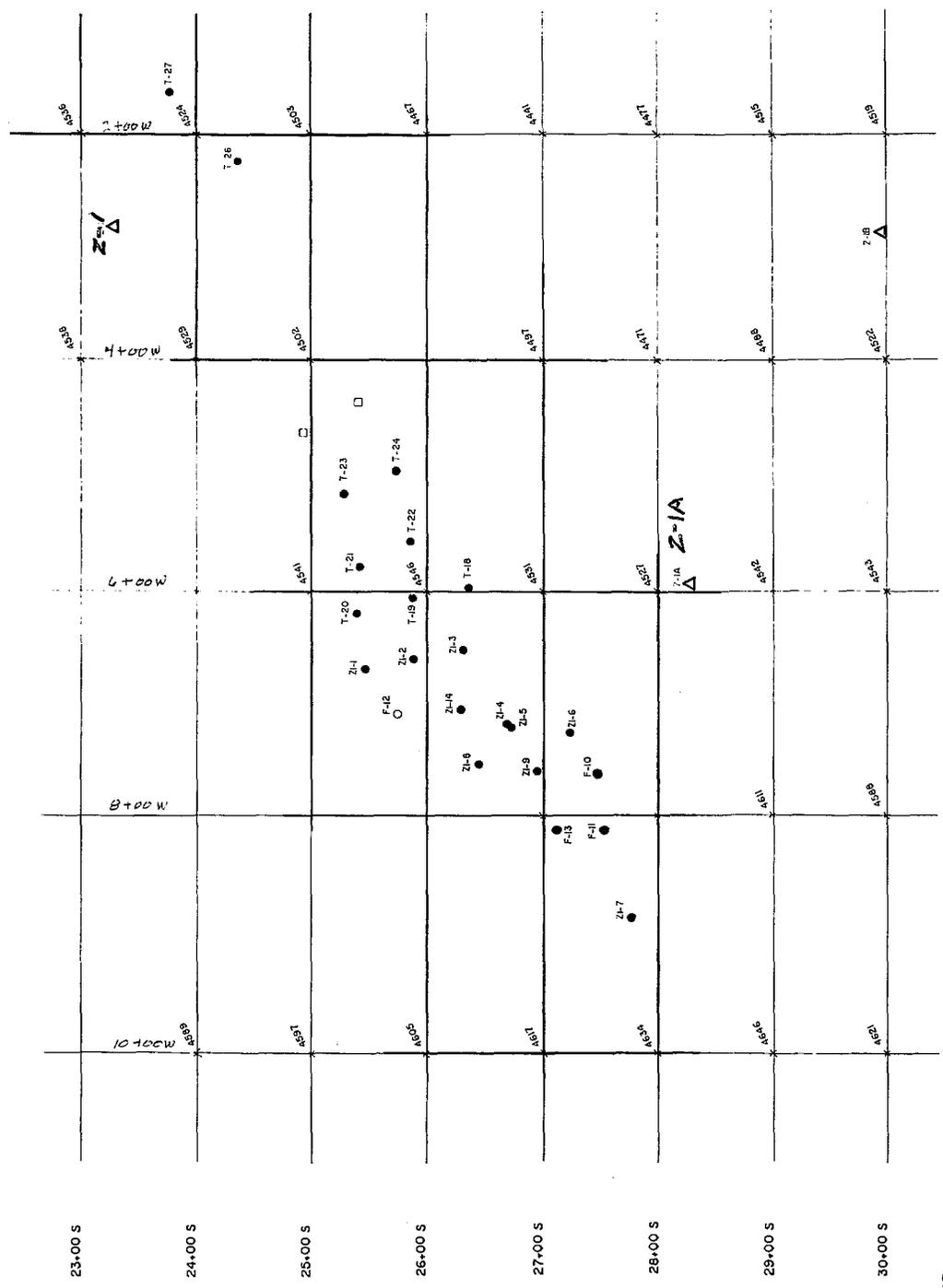
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44

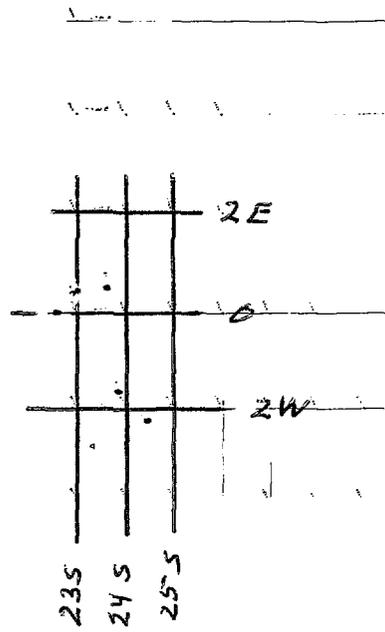


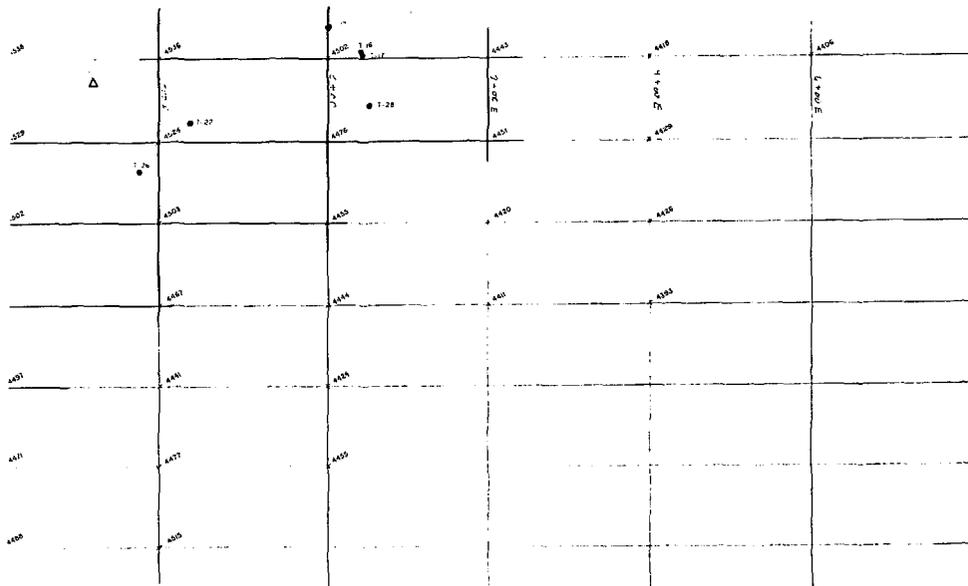
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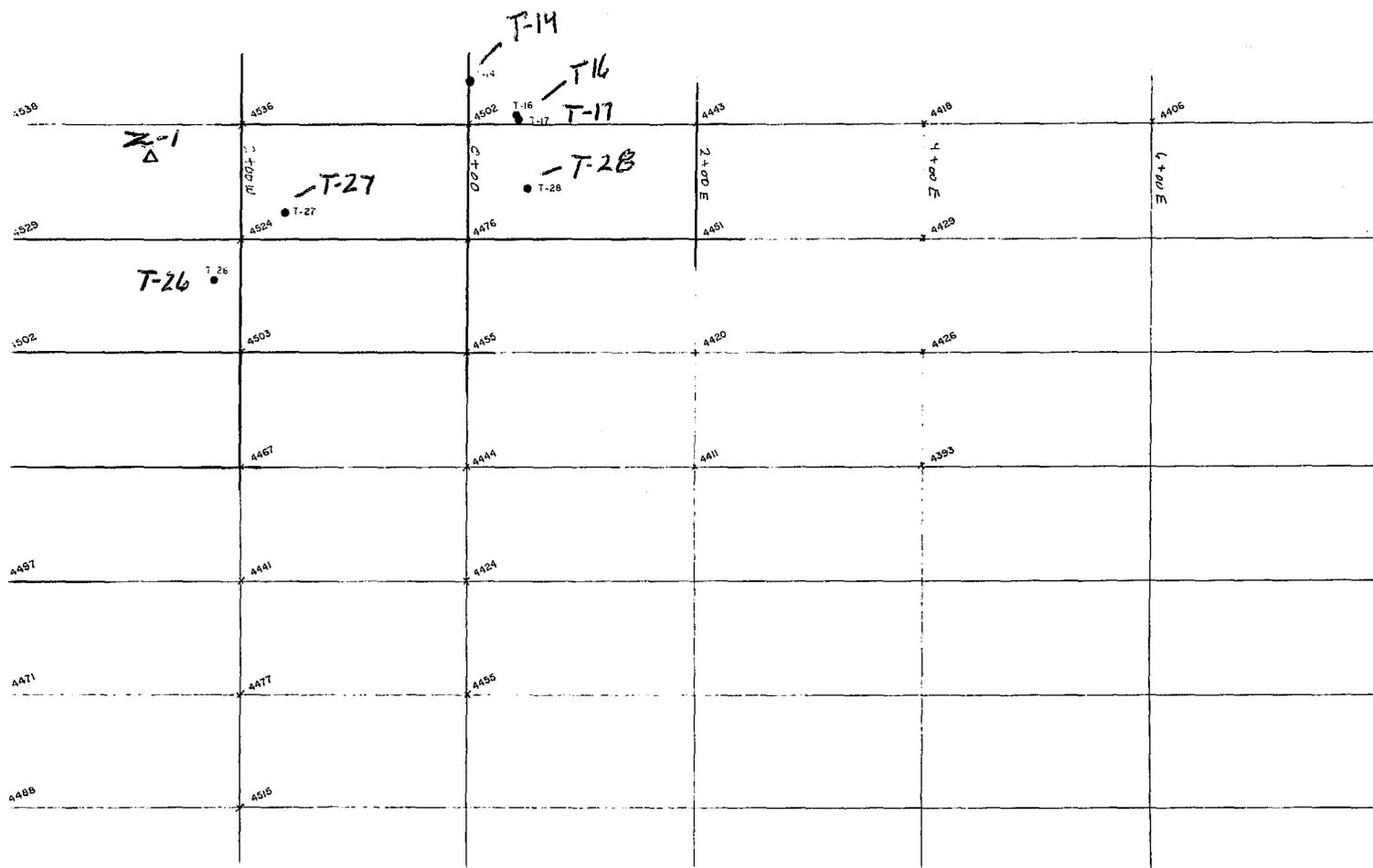
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1" = 400'

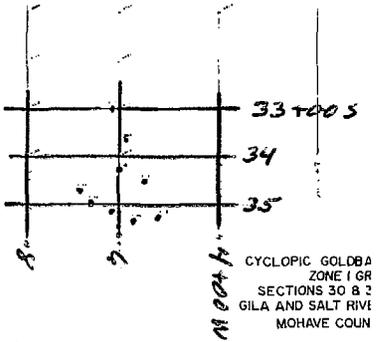




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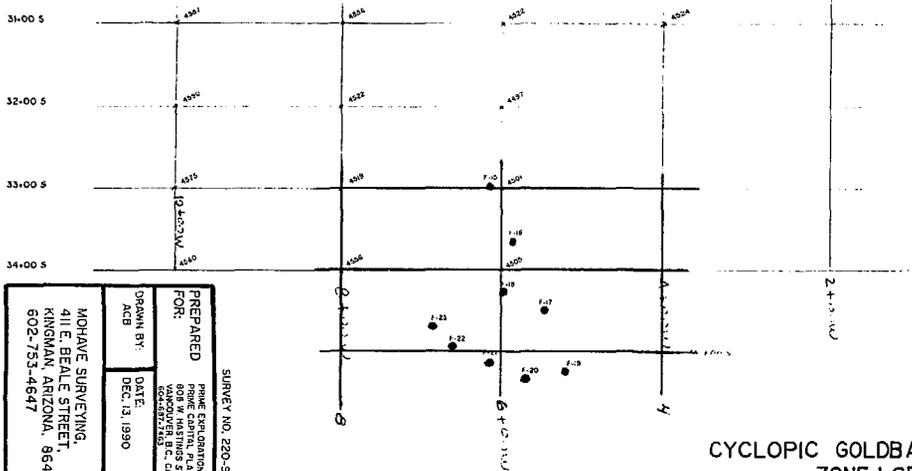


DATE	1964	BY	W. H. HARRIS
PROJECT	CYCLOPIC GOLDBA		
SECTION	ZONE I GR		
SHEET	OF 2		
UNITED STATES GEOLOGICAL SURVEY WASHINGTON, D. C. 20540			



90





CYCLOPIC GOLDBA  
 ZONE I GR  
 SECTIONS 30 & 31  
 GILA AND SALT RIVER  
 MOHAVE COUNTY

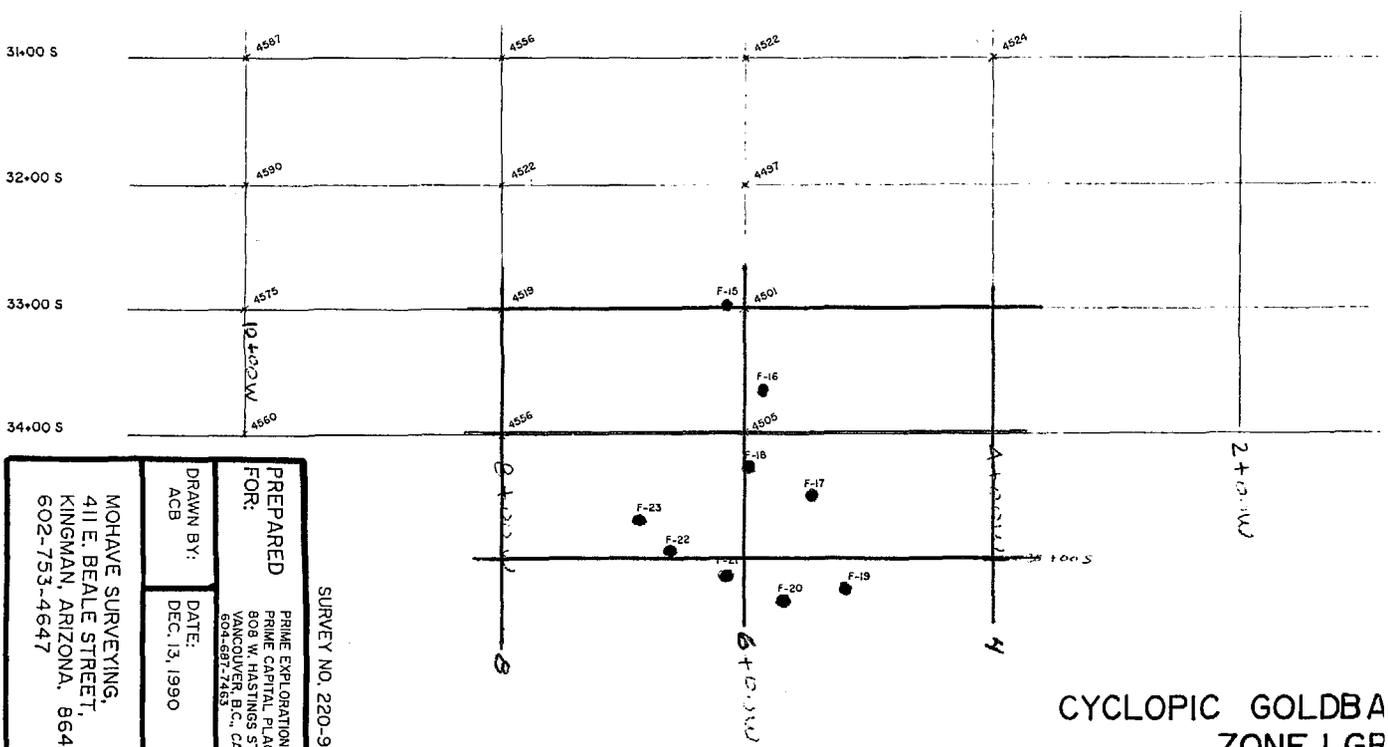
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 PREPARED BY: PRIME SURVEYING LTD.  
 FOR: R. H. FLORE, BOX 10,  
 608 W. HASTINGS STREET,  
 WASHINGTON, B.C., CANADA, V8C 2K4.  
 DRAWN BY: DATE: SHEET 1 OF 2  
 ACB DEC. 13, 1990  
 MOHAVE SURVEYING,  
 411 E. BEALE STREET,  
 KINGSMAN, ARIZONA, 86401  
 602-753-4647

64

64

1" = 100'

CYCLOPIC GOLDBA  
 ZONE I GR  
 SECTIONS 30 & 3  
 GILA AND SALT RIVE  
 MOHAVE COUN

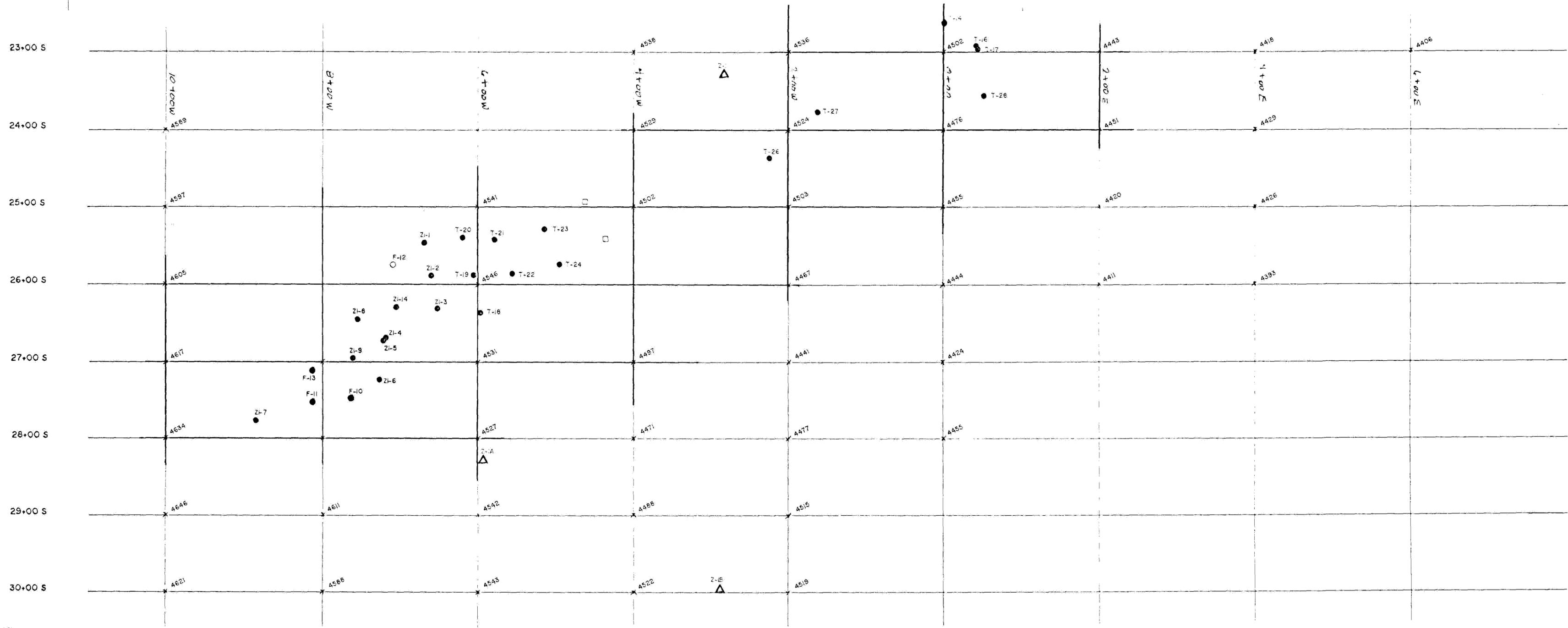


SURVEY NO. 220-90

PREPARED FOR: PRIME EXPLORATIONS LTD. PRIME CAPITAL PLACE, 10th FLOOR, BOX 10, 808 W. HASTINGS STREET, VANCOUVER, B.C., CANADA, V6C 2X4, 604-687-7453	
DRAWN BY: ACB	DATE: DEC. 13, 1990
MOHAVE SURVEYING, 411 E. BEALE STREET, KINGMAN, ARIZONA, 86401 602-753-4647	
SHEET 1 OF 2	

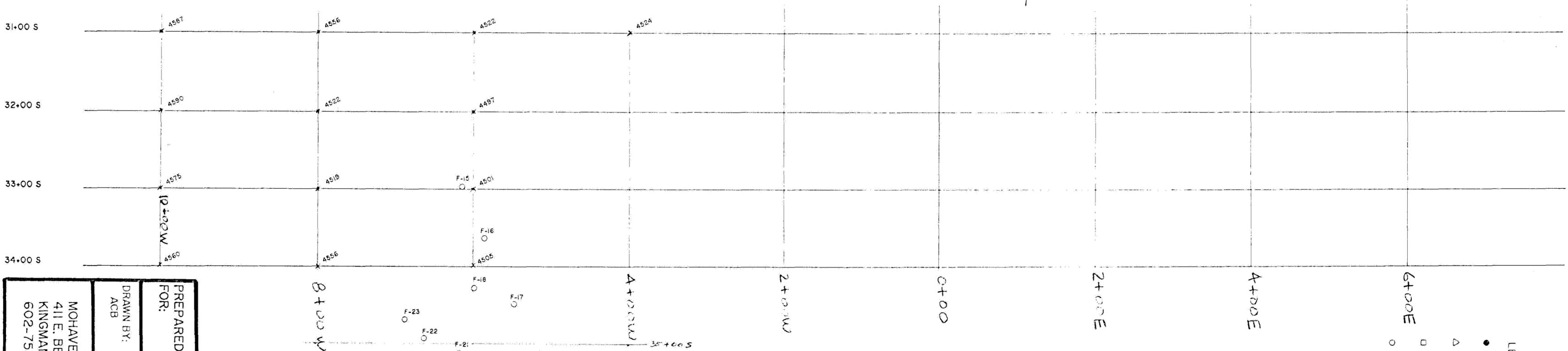
(64)

1" = 100'



CYCLOPIC GOLDBASIN PROPERTIES,  
 ZONE I GRID AREA  
 SECTIONS 30 & 31, T28N, R18W,  
 GILA AND SALT RIVER BASE MERIDIAN,  
 MOHAVE COUNTY, ARIZONA.

- LEGEND
- DENOTES EXISTING DRILL HOLE.
  - △ DENOTES SURVEY CONTROL POINT.
  - DENOTES EXISTING TRENCH.
  - DENOTES FUTURE DRILL HOLE.



SURVEY NO. 220-90

PREPARED FOR: PRIME EXPLORATIONS LTD. PRIME CAPITAL PLACE, 10th FLOOR, BOX 10, 808 W. HASTINGS STREET, VANCOUVER, B.C., CANADA. V6C 2X4, 604-687-7483		
DRAWN BY: ACB	DATE: DEC. 13, 1990	SHEET 1 OF 2
MOHAVE SURVEYING, 411 E. BEALE STREET, KINGMAN, ARIZONA, 86401 602-753-4647		

1" = 100'

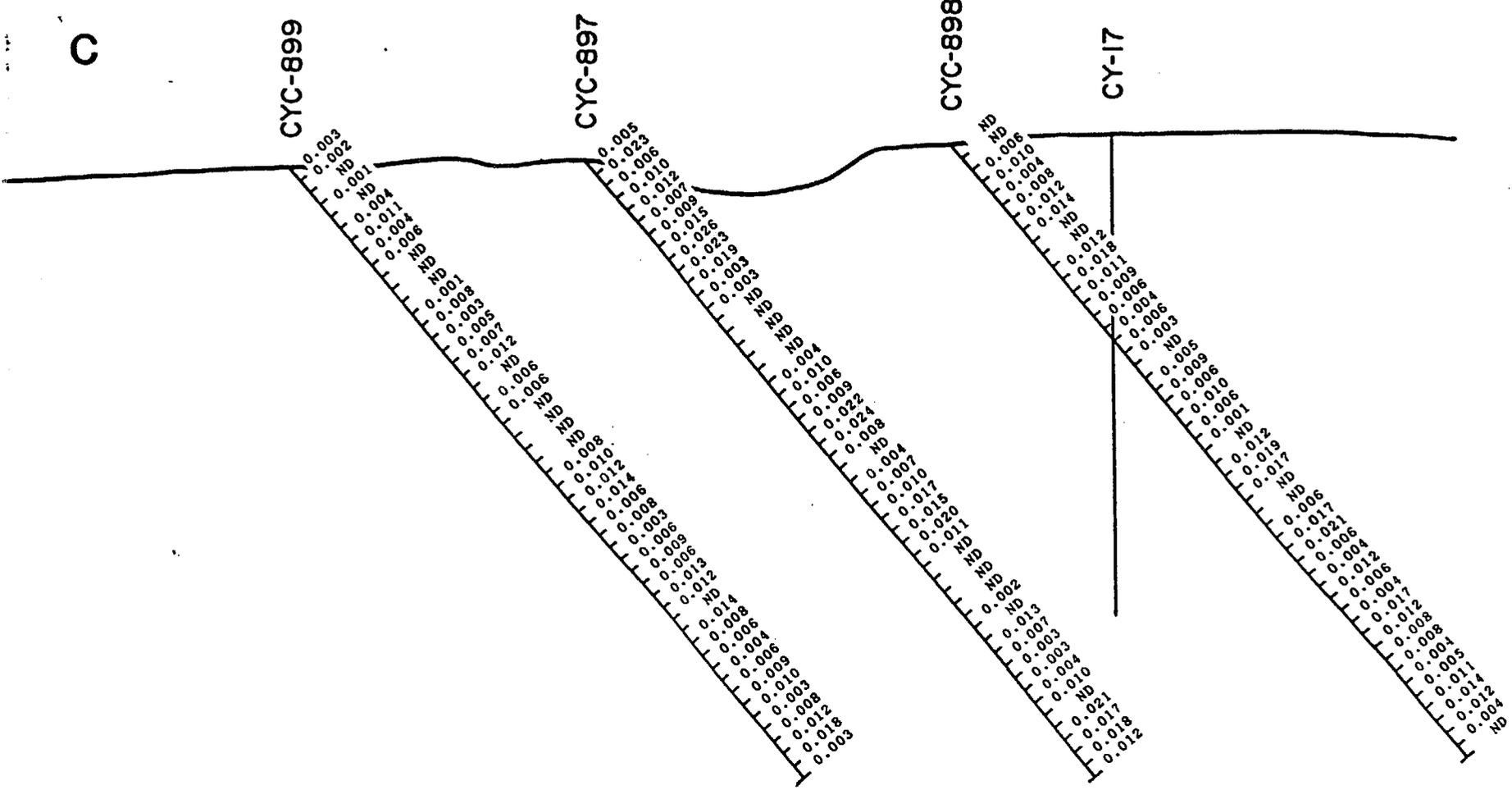




# Looking Southeast

C

C'

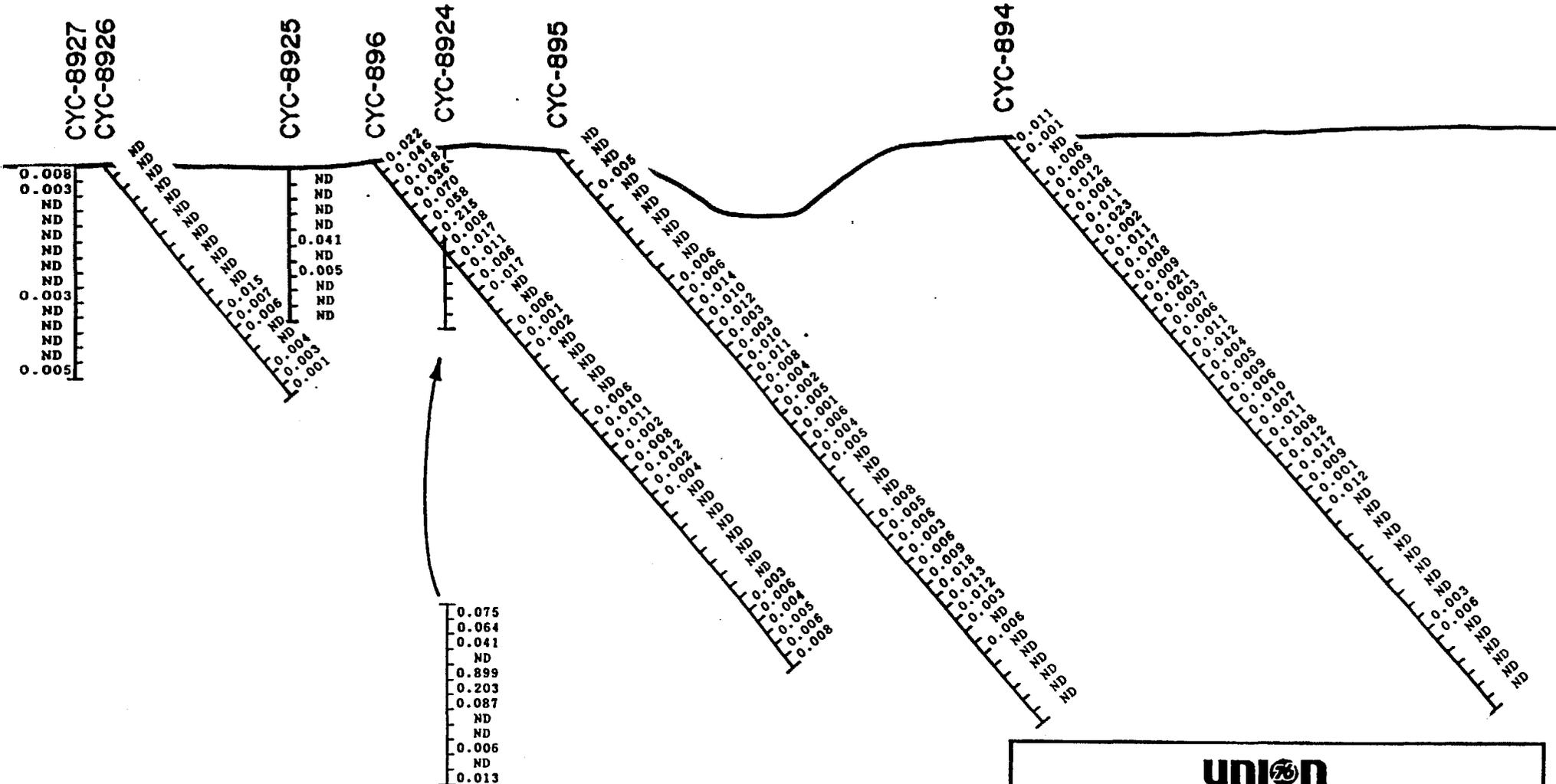


REVISIONS		DATE		BY		UNION MOLYCORP	
						Woodgett Cross Section C-C'	
						CYCLOPIC MINE PROJECT	
						COUNTY: MOHAVE	STATE: ARIZONA
						SCALE 0 50' 100'	MAP No.
						DATE: 8-15-89	DATA BY: D.H.O. DRAFTED BY: PCJ Figure





Looking North



<b>UNION</b> <b>MOLYCORP</b>	
<b>Cross Section F-F'</b>	
<b>CYCLOPIC MINE PROJECT</b>	
COUNTY: MOHAVE	STATE: ARIZONA
SCALE 0 50' 100'	MAP No.
DATE: 8-15-89   DATA BY: D.H.O.   DRAFTED BY: PCJ   Figure	



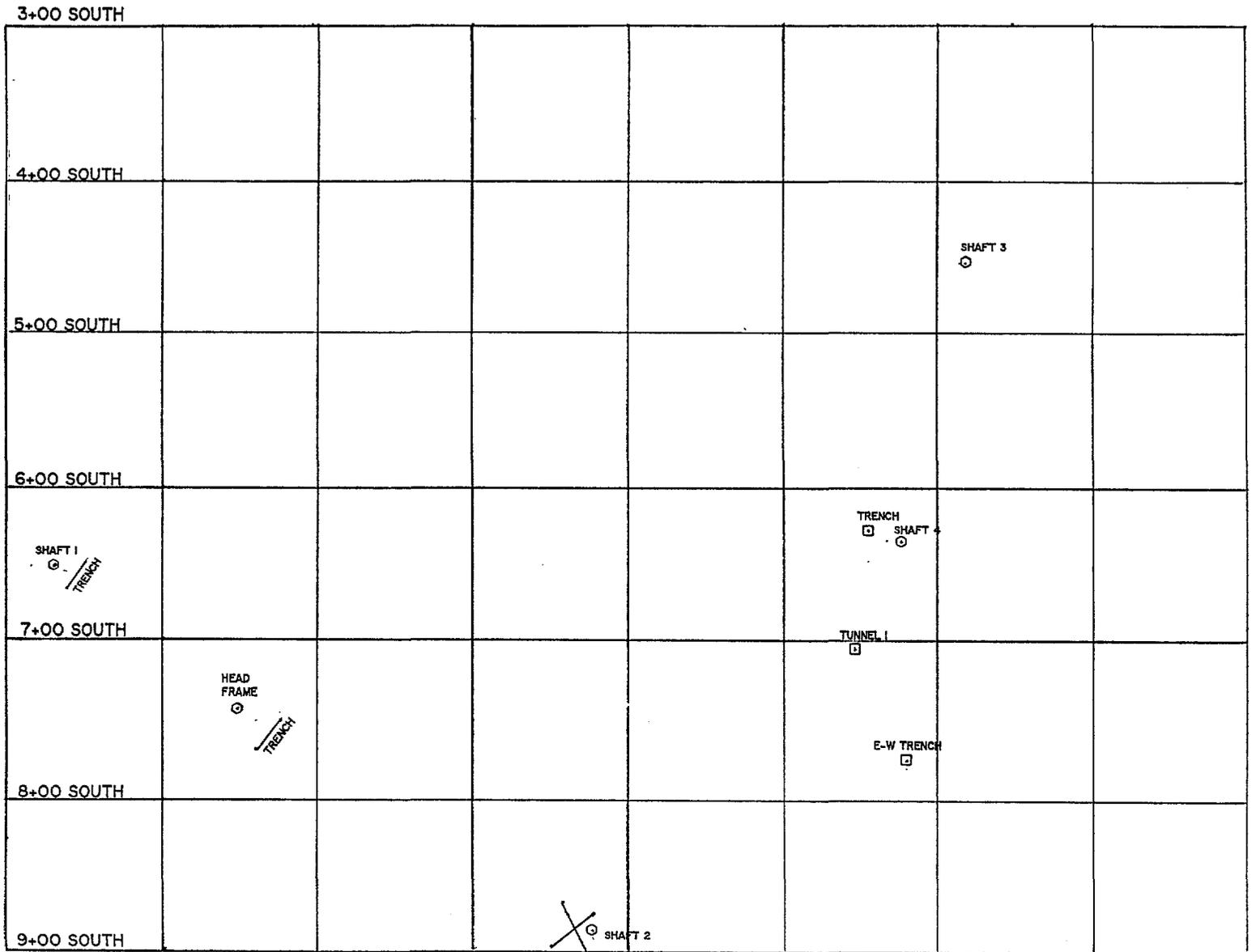


CYCLOPIC GOLDBASIN PROPERTIES

PRIME EXPLORATIONS LTD.

CLAIM CONTROL & GRID.

MOHAVE COUNTY, ARIZONA.



60+00 WEST

59+00 WEST

58+00 WEST

57+00 WEST

56+00 WEST

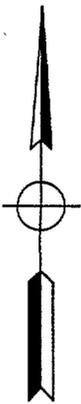
55+00 WEST

54+00 WEST

53+00 WEST

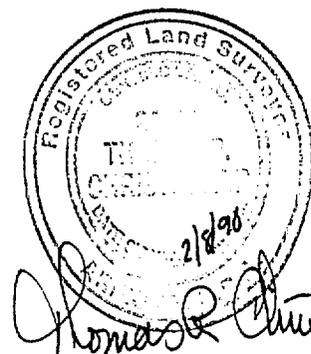
52+00 WEST

SCALE 1" = 100'



CL TUNNEL  
□

MOHAVE SURVEYING  
411 E. BEALE STREET  
KINGMAN, ARIZONA. 86401  
602-753-4647



**MOHAVE SURVEYING, INC.**  
**Consulting Land Surveyors**

**P.O. Box 110**  
**411 E. Beale Street**  
**Kingman, AZ 86402**

**602-753-4647**

FAX MESSAGE

DATE: January 23, 1991

FROM: Tom Christopher

Mohave Surveying, Inc.

Kingman, Arizona 86401

TO: Attention: Pete J. Lougheed, M. SC.  
Prime Explorations, Ltd.

Prime Capital Place, 10th Floor, Box 10

Vancouver, B.C., Canada V6C 2X4

REMARKS:

Zone I Grid Layout with elevations and coordinate list of elevations  
for drill holes.

SENT BY: Jan Christopher

ANY DIFFICULTIES RECEIVING FAX MESSAGE PLEASE CALL  
(602) 753-4647

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
-----						
List						
75	TRENCH	Z-1		-2541.6675	-437.9784	4481.90
76	TRENCH	Z-1		-2494.9638	-462.2161	4493.80
77	Z1-1,	DH		-2547.0800	-668.4275	4552.70
78	Z1-2,	DH		-2590.5268	-660.4836	4561.80
79	Z1-3,	DH		-2631.0374	-649.8097	4563.40
80	Z1-4,	DH		-2669.4530	-717.9766	4571.60
81	Z1-5,	DH		-2673.2568	-721.1497	4572.40
82	Z1-6,	DH		-2722.1894	-725.9953	4573.70
83	Z1-7,	DH		-2776.3119	-884.5920	4595.70
84	Z1-8,	DH		-2647.9677	-753.2584	4568.10
85	Z1-9,	DH		-2695.3171	-760.0508	4581.40
86	F-10			-2747.6320	-761.8800	4578.80
87	F-11			-2752.7380	-811.7522	4586.70
88	F-12			-2573.2774	-709.6379	4556.30
89	F-13			-2710.9738	-811.8798	4580.10
90	Z1-14,	DH		-2630.2014	-703.7394	4567.60
91	F-15			-3297.9713	-613.7251	4539.60
92	F-16			-3363.4909	-588.9422	4544.70
93	F-17			-3449.8236	-549.3548	4558.90
94	F-18			-3426.9167	-599.3104	4542.40
95	F-19			-3523.7279	-520.8122	4577.90
96	F-23			-3468.3197	-688.7317	4561.30
97	F-22			-3491.2058	-662.2764	4565.70
98	F-21			-3512.3792	-616.8054	4571.10
99	F-20			-3533.4017	-572.6058	4577.40

File: \SURVEY3\FILES\220.

Session terminated at 8:20 AM on 01-23-1991

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
-------	------	-----------	----------	----------	---------	-----------

-----  
List

1		POB BASELINE		0.0000	0.0000	0.00
2		CP KNOB		-101.1002	-2150.0243	0.00
3		CP 30-1		457.7292	2145.5679	0.00
4		SE COR. S.30		469.7245	2550.0601	0.00
5		CP 30-2		-608.6929	782.3954	0.00
6		S 1/4 COR S. 30		-1231.8131	529.1122	0.00
7		0+00 N, 10+50 E		0.0000	1050.0000	0.00
8		CP SKY		-1537.0806	-2014.5159	0.00
9		CP Z-1		-2330.1578	-282.2516	0.00
10		CP Z-2		-3819.4930	-3784.8830	0.00
11		VABM "CYCLOPIC"		-3129.3158	-6410.6350	0.00
12		CP PIT		-3176.4027	-4504.0737	0.00
13		CP Z-1A		-2831.3635	-594.8335	0.00
14		CP Z-1B		-2996.7446	-288.6536	0.00
15		CP SIDE		-3605.3223	-1656.4009	0.00
16		CP BLOW		-3931.8496	-4971.4653	0.00
17		CP FRY		-162.5053	-6242.9321	0.00
18		CP RIDGE		-1998.5419	-7740.4632	0.00
19		CP Z-3		476.5735	-8883.6831	0.00
20		CP Z-3A		224.5319	-9220.9262	0.00
21		CP Z-3B		32.0502	-7655.1519	0.00
22		CP NORTH		1368.4222	-1973.7250	0.00
23		NW COR. S.30		1227.8838	-4750.9213	0.00
24		CP TOP		3146.9478	-1382.9119	0.00
25		CP LAKE		4911.6175	-1441.1352	0.00
26		CP NOTHIN		4437.5329	-2559.8476	0.00
27		ENTRANCE OLD MINE SHAFT		4162.2667	-1826.3475	0.00
51		T-12, DRILL HOLE		-3681.5001	-3377.8375	4803.90
52		T-29, DRILL HOLE		-3718.7002	-3399.0303	4805.70
53		T-11, DRILL HOLE		-3743.9238	-3422.4780	4806.90
54		T-8, DRILL HOLE		-3348.6195	-4545.3747	4787.00
55		T-10, DRILL HOLE		-3433.0056	-4491.7226	4781.60
56		FLOURITE PIT, CTR. EAST EDGE		-3447.7806	-4507.5335	4790.10

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
61	T-18,	DRILL HOLE		-2638.5778	-597.0150	4546.90
62	T-19,	DRILL HOLE		-2589.6192	-606.5004	4544.90
63	T-20,	DRILL HOLE		-2541.7268	-620.5644	4543.50
64	T-22,	DRILL HOLE		-2586.5720	-557.9944	4528.90
65	T-21,	DRILL HOLE		-2542.7870	-579.4026	4528.90
66	T-24,	DRILL HOLE		-2573.7823	-495.2400	4505.20
67	T-23,	DRILL HOLE		-2529.9579	-513.1729	4505.40
68	T-27,	DRILL HOLE		-2377.0906	-161.2873	4512.30
69	T-26,	DH		-2436.4413	-224.1665	4522.50
70	T-14,	DH		-2261.7295	4.2500	4505.50
71	T-16,	DH	T-15?	-2291.8885	43.4579	4491.40
72	T-17,	DH		-2296.3343	46.0708	4491.50
73	T-28,	DH		-2356.2437	53.2172	4472.20
75	TRENCH	Z-1		-2541.6675	-437.9784	4481.90
76	TRENCH	Z-1		-2494.9638	-462.2161	4493.80
77	Z1-1,	DH		-2547.0800	-668.4275	4552.70
78	Z1-2,	DH		-2590.5268	-660.4836	4561.80
79	Z1-3,	DH		-2631.0374	-649.8097	4563.40
80	Z1-4,	DH		-2669.4530	-717.9766	4571.60
81	Z1-5,	DH		-2673.2568	-721.1497	4572.40
82	Z1-6,	DH		-2722.1894	-725.9953	4573.70
83	Z1-7,	DH		-2776.3119	-884.5920	4595.70
84	Z1-8,	DH		-2647.9677	-753.2584	4568.10
85	Z1-9,	DH		-2695.3171	-760.0508	4581.40
86	F-10			-2747.6320	-761.8800	4578.80
87	F-11			-2752.7380	-811.7522	4586.70
88	F-12			-2573.2774	-709.6379	4556.30
89	F-13			-2710.9738	-811.8798	4580.10
90	Z1-14,	DH		-2630.2014	-703.7394	4567.60
91	F-15			-3297.9713	-613.7251	4539.60
92	F-16			-3363.4909	-588.9422	4544.70
93	F-17			-3449.8236	-549.3548	4558.90

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
94	F-18			-3426.9167	-599.3104	4542.40
95	F-19			-3523.7279	-520.6122	4577.90
96	F-23			-3468.3197	-688.7317	4561.30
97	F-22			-3491.2058	-662.2764	4565.70
98	F-21			-3512.3792	-616.8054	4571.10
99	F-20			-3533.4017	-572.6058	4577.40
201	SHAFT 1			-651.0844	-5970.4803	0.00
202	SO. TRENCH			-667.5728	-5962.8469	0.00
203	N END TRENCH			-647.7094	-5950.5878	0.00
204	HEAD FRAME			-740.8104	-5852.7746	0.00
205	SO. END TRENCH			-768.3534	-5839.8611	0.00
206	N. END TRENCH			-749.4818	-5826.0550	0.00
207	SHAFT NO. 2			-887.7083	-5621.2969	0.00
208	SE COR OF X			-903.7343	-5623.7177	0.00
209	SW COR X			-895.3626	-5650.8453	0.00
210	NW COR X			-869.2161	-5642.0055	0.00
211	NE COR X			-875.3552	-5624.7642	0.00
212	SHAFT NO 3			-454.3521	-5381.6977	0.00
213	SHAFT #4			-633.6630	-5423.4993	0.00
214	TRENCH			-626.9563	-5446.1697	0.00
215	TUNNEL I			-705.5531	-5454.8324	0.00
216	CL E-W TRENCH			-775.1486	-5420.7583	0.00
217	CL TUNNEL			-1048.6839	-5353.5684	0.00
218	SHAFT #5			1118.1004	-6306.6534	0.00
5000	SE COR. S30			20000.0000	20000.0000	0.00
5001	CP 30-1			20250.7906	19682.4124	0.00
5002	CP 30-2			20309.9685	17952.6744	0.00
5003	S 1/4 COR S.30			19995.3950	17358.1371	0.00
5004	POB BASE LINE ON,OE			21279.1533	17744.5146	0.00
5005	O+00N,1050E			20604.2848	18548.9103	0.00
5006	CP KNOB			22583.5907	16032.4197	0.00

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Session terminated at 8:56 PM on 01-29-1991

Program: SURVEY 3.03  
Filename: \SURVEY3\FILES\220

02-18-1991

3:27 PM

Page 1

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
-----						
List						
401	90-RC-1			-2630.2014	-703.7394	4567.60
402	90-RC-2			-2631.0374	-649.8097	4563.40
403	90-RC-3			-2590.5268	-660.4836	4561.80
404	90-RC-4			-2669.4530	-717.9766	4571.60
405	91-RC-5			-2547.0800	-668.4275	4552.70
406	90-RC-6			-2722.1894	-725.9953	4573.70
407	91-RC-7			-2776.3119	-884.5920	4600.10
408	90-RC-8			-2647.9677	-753.2584	4568.10
409	91-RC-9			-2695.3171	-760.0508	4577.00
410	91- <sup>RC</sup> TC-10			-2764.3720	-751.0167	4579.20
411	90-RC-11			-2714.6101	-812.8018	4580.20
412	DH-Z-1-12			-2571.6411	-710.1774	4556.30
413	DH Z-1-13			-2532.4828	-704.0352	4539.50
414	DH-Z-1-14			-2581.7633	-750.0850	4544.20
415	DH-Z-1-15			-2618.2116	-809.3355	4551.20
416	91-RC-16			-2755.8018	-810.3785	4584.00
417	DH Z-1-17			-2654.2978	-811.7097	4554.50

File: \SURVEY3\FILES\220.

Session terminated at 3:28 PM on 02-18-1991

Program: SURVEY 3.03  
Filename: \SURVEY3\FILES\220

02-20-1991

6:59 AM

Page 1

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
-----						
List						
1		POB BASELINE		0.0000	0.0000	0.00
2		CP KNOB		-101.1002	-2150.0243	0.00
3		CP 30-1		457.7292	2145.5679	0.00
4		SE COR. S.30		469.7245	2550.0601	0.00
5		CP 30-2		-608.6929	782.3954	0.00
6		S 1/4 COR S. 30		-1231.8131	529.1122	0.00
7		0+00 N, 10+50 E		0.0000	1050.0000	0.00
8		CP SKY		-1537.0806	-2014.5159	0.00
9		CP Z-1		-2330.1578	-282.2516	0.00
10		CP Z-2		-3819.4930	-3784.8830	0.00
11		VABM "CYCLOPIC"		-3129.3158	-6410.6850	0.00
12		CP PIT		-3176.4027	-4504.0737	0.00
13		CP Z-1A		-2831.3635	-594.8335	0.00
14		CP Z-1B		-2996.7446	-288.6536	0.00
15		CP SIDE		-3605.3223	-1656.4009	0.00
16		CP BLOW		-3931.8496	-4971.4653	0.00
17		CP FRY		-162.5053	-6242.9321	0.00
18		CP RIDGE		-1998.5419	-7740.4632	0.00
19		CP Z-3		476.5735	-8883.6831	0.00
20		CP Z-3A		224.5319	-9220.9262	0.00
21		CP Z-3B		32.0502	-7655.1519	0.00
22		CP NORTH		1368.4222	-1973.7250	0.00
23		NW COR. S.30		1227.8838	-4750.9213	0.00
24		CP TOP		3146.9478	-1382.9119	0.00
25		CP LAKE		4911.6175	-1441.1352	0.00
26		CP NOTHIN		4437.5329	-2559.8476	0.00
27		ENTRANCE OLD MINE SHAFT		4162.2667	-1826.3475	0.00
51		T-12, DRILL HOLE		-3681.5001	-3377.8375	4803.90
52		T-29, DRILL HOLE		-3718.7002	-3399.0303	4805.70
53		T-11, DRILL HOLE		-3743.9238	-3422.4780	4806.90
54		T-8, DRILL HOLE		-3348.6195	-4545.3747	4787.00
55		T-10, DRILL HOLE		-3433.0056	-4491.7226	4781.60
56		FLOURITE PIT, CTR. EAST EDGE		-3447.7806	-4507.5335	4790.10

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
61	T-18,	DRILL HOLE		-2638.5778	-597.0150	4546.90
62	T-19,	DRILL HOLE		-2589.6192	-606.5004	4544.90
63	T-20,	DRILL HOLE		-2541.7268	-620.5644	4543.50
64	T-22,	DRILL HOLE		-2586.5720	-557.9944	4528.90
65	T-21,	DRILL HOLE		-2542.7870	-579.4026	4528.90
66	T-24,	DRILL HOLE		-2573.7823	-495.2400	4505.20
67	T-23,	DRILL HOLE		-2529.9579	-513.1729	4505.40
68	T-27,	DRILL HOLE		-2377.0906	-161.2873	4512.30
69	T-26,	DH		-2436.4413	-224.1665	4522.50
70	T-14,	DH		-2261.7295	4.2500	4505.50
71	T-16,	DH		-2291.8885	43.4579	4491.40
72	T-17,	DH		-2296.3343	46.0708	4491.50
73	T-28,	DH		-2356.2437	53.2172	4472.20
75	TRENCH	Z-1		-2541.6675	-437.9784	4481.90
76	TRENCH	Z-1		-2494.9638	-462.2161	4493.80
77	Z1-1,	DH		-2547.0800	-668.4275	4552.70
78	Z1-2,	DH		-2590.5268	-660.4836	4561.80
79	Z1-3,	DH		-2631.0374	-649.8097	4563.40
80	Z1-4,	DH		-2669.4530	-717.9766	4571.60
81	Z1-5,	DH		-2673.2568	-721.1497	4572.40
82	Z1-6,	DH		-2722.1894	-725.9953	4573.70
83	Z1-7,	DH		-2776.3119	-884.5920	4595.70
84	Z1-8,	DH		-2647.9677	-753.2584	4568.10
85	Z1-9,	DH		-2695.3171	-760.0508	4581.40
86	F-10			-2747.6320	-761.8800	4578.80
87	F-11			-2752.7380	-811.7522	4586.70
88	F-12			-2573.2774	-709.6379	4556.30
89	F-13			-2710.9738	-811.8798	4580.10
90	Z1-14,	DH		-2630.2014	-703.7394	4567.60
91	F-15			-3297.9713	-613.7251	4539.60
92	F-16			-3363.4909	-588.9422	4544.70
93	F-17			-3449.8236	-549.3548	4558.90

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
94	F-18			-3426.9167	-599.3104	4542.40
95	F-19			-3523.7279	-520.8122	4577.90
96	F-23			-3468.3197	-688.7317	4561.30
97	F-22			-3491.2058	-662.2764	4565.70
98	F-21			-3512.3792	-616.8054	4571.10
99	F-20			-3533.4017	-572.6058	4577.40
201	SHAFT 1			-651.0844	-5970.4803	0.00
202	SO. TRENCH			-667.5728	-5962.8469	0.00
203	N END TRENCH			-647.7094	-5950.5878	0.00
204	HEAD FRAME			-740.8104	-5852.7746	0.00
205	SO. END TRENCH			-768.3534	-5839.8611	0.00
206	N. END TRENCH			-749.4818	-5826.0550	0.00
207	SHAFT NO. 2			-887.7083	-5621.2969	0.00
208	SE COR OF X			-903.7343	-5623.7177	0.00
209	SW COR X			-895.3626	-5650.8453	0.00
210	NW COR X			-869.2161	-5642.0055	0.00
211	NE COR X			-875.3552	-5624.7642	0.00
212	SHAFT NO 3			-454.3521	-5381.6977	0.00
213	SHAFT #4			-633.6630	-5423.4993	0.00
214	TRENCH			-626.9563	-5446.1697	0.00
215	TUNNEL I			-705.5531	-5454.8324	0.00
216	CL E-W TRENCH			-775.1486	-5420.7583	0.00
217	CL TUNNEL			-1048.6839	-5353.5684	0.00
218	SHAFT #5			1118.1004	-6306.6534	0.00
301	91-RC-5	*		-2547.1049	-672.1598	0.00
302	DH-Z-1-12			-2571.6411	-710.1774	0.00
303	90-RC-3	*		-2591.4880	-660.2023	0.00
304	90-RC-2	*		-2630.9594	-649.8702	0.00
305	90-RC-1	*		-2629.3734	-702.3327	0.00
306	90-RC-4	*		-2670.3544	-717.7204	0.00
307	90-RC-6	*		-2722.8766	-725.3705	0.00
308	91-RC-10			-2764.3720	-751.0167	0.00

\* 1/2'-1' diff from 2-18-1991 run with elevations - use 2-18-91.

Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
506	CP	KNOB		22583.5907	16032.4197	0.00
507	CP	SKY		21396.4032	15213.2810	0.00
508	CP	Z-1		19675.4522	16030.6173	0.00
509	CP	Z-2		20785.7388	12390.0391	0.00
510	VA3M	CYCLOPIC		23002.1643	10822.0343	0.00
511	CP	FRY		25167.1914	12857.4123	0.00
512	CP	RIDGE		24723.1311	10530.0875	0.00
513	CP	NORTH		23596.0656	17111.9901	0.00
514	NW	COR S.30		25273.3932	14894.0760	0.00
601	SEC	GB 86		19671.9121	19708.8088	0.00
602	SO	CTR PILOT		19131.1326	19839.6870	0.00
603	SW	GB 89		19668.4059	19412.8365	0.00
604	DM	4X4 POST		20000.8296	19749.9715	0.00
605		2X2 POST		20785.1585	19782.2262	0.00
606	DM	2X2 POST ?		20819.9500	19482.5223	0.00
607	NEC	YUCCA 60		20786.1742	19485.0582	0.00
608	DM	YUCCA 60		20746.1259	19487.9767	0.00
609	2X2	NW 60, ME 58 YUCCA		20785.8873	19181.4534	0.00
610	DM	4X4 POST W/TAC		20826.3557	18835.7060	0.00
611	2X2	DM YUCCA 58		20773.4773	18842.0637	0.00
612	2X2	POST, NW YUCCA 58		20784.5606	18576.2860	0.00
613	MND	ST. DM. FEB 1940 CLAIM		20541.4234	18565.1239	0.00
614	4X4	POST NEC PILOT		20103.2664	18631.5771	0.00
615	4X4	POST NO TAG		19979.4807	18700.0700	0.00
616	MND	ST.		19986.6826	18729.1007	0.00
617	2X2	NO TAG		20001.0472	18604.7319	0.00
618	SE	GB 40, 2X2		19643.4270	18617.0626	0.00
619	3X3	POST COR GB 40-38		19652.9255	18879.3565	0.00
620	SE	PILOT 4X4		19359.1628	20022.9068	0.00
621	NW	SUSIE 4X4		19375.4805	19986.8755	0.00
622	2X2	GB CLAIM		19674.1229	20006.1997	0.00
623	WEC	SUSIE 4X4		19674.8983	19993.9549	0.00
624	2X2			22630.5454	15179.4411	0.00

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
511	CP	FRY		25167.1914	12857.4123	0.00
INPUT:	AR	111 11 36.5	2369.310	Z.Ang 90 00 00.0	CF	1.0000000
TR	SW	79 11 51.5	2369.310			0.00
512	CP	RIDGE		24723.1311	10530.0875	0.00
Start						
512	CP	RIDGE		24723.1311	10530.0875	0.00
Radial Stake Out						
512		Instrument Location		24723.1311	10530.0875	0.00
510		Backsight		23002.1643	10822.0343	0.00
Sight Points						
511	CP	FRY		25167.1914	12857.4123	0.00
RS	AR	268 49 32.5	2369.310			0.00
Exit Radial Stake Out, resume at point						
512	CP	RIDGE		24723.1311	10530.0875	0.00
Start						
502	CP	30-2		20309.9685	17952.6744	0.00
IN	SE	88 02 26.0	1730.750			0.00
501	CP	30-1		20250.7906	19682.4124	0.00
INPUT:	AR	265 25 47.0 ✓	579.480 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	2 36 39.0	579.480	from Base Point 501		0.00
601	SEC	GB 86		19671.9121	19708.8088	0.00
Exit Side Shots, resume at point						
501	CP	30-1		20250.7906	19682.4124	0.00
INPUT:	AR	260 02 41.0 ✓	1130.650 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	7 59 45.0	1130.650	from Base Point 501		0.00
602	SO	CTR PILOT		19131.1326	19839.6870	0.00
INPUT:	AR	292 52 45.0 ✓	641.750 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	24 50 19.0	641.750	from Base Point 501		0.00
603	SW	GB 89		19668.4059	19412.8365	0.00
INPUT:	AR	252 54 58.0 ✓	258.930 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	15 07 28.0	258.930	from Base Point 501		0.00
604	DM	4X4 POST		20000.8296	19749.9715	0.00
INPUT:	AR	98 37 15.0 ✓	543.610	Z.Ang 90 00 00.0	CF	1.0000000
SS	NE	10 34 49.0	543.610	from Base Point 501		0.00
605	2X2	POST		20785.1585	19782.2262	0.00
INPUT:	AR	68 41 21.0 ✓	603.240 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	19 21 05.0	603.240	from Base Point 501		0.00
606	DM	2X2 POST ?		20819.9500	19482.5223	0.00
INPUT:	AR	67 48 20.0 ✓	570.600 ✓	Z.Ang 90 00 00.0	CF	1.0000000

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
SS	NW	20 14 06.0	570.600	from Base Point 501		0.00
607	NEC	YUCCA 60		20786.1742	19485.0582	0.00
INPUT:	AR	66 36 32.0 ✓	532.130 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	21 25 54.0	532.130	from Base Point 501		0.00
608	DM	YUCCA 60		20746.1259	19487.9767	0.00
INPUT:	AR	44 55 40.0 ✓	733.000 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	43 06 46.0	733.000	from Base Point 501		0.00
609	2X2	NW 60, ME 58 YUCCA		20785.8878	19181.4534	0.00
INPUT:	AR	32 14 50.0 ✓	1023.810 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	55 47 36.0	1023.810	from Base Point 501		0.00
610	DM	4X4 POST W/TAC		20826.3557	18835.7060	0.00
INPUT:	AR	29 55 18.0 ✓	989.640 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	58 07 08.0	989.640	from Base Point 501		0.00
611	2X2	DM YUCCA 58		20773.4773	18842.0637	0.00
INPUT:	AR	23 48 02.0 ✓	1228.180 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	64 14 24.0	1228.180	from Base Point 501		0.00
612	2X2	POST, NW YUCCA 58		20784.5606	18576.2860	0.00
INPUT:	AR	12 37 17.0 ✓	1154.470 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	75 25 09.0	1154.470	from Base Point 501		0.00
613	MND	ST. DM. FEB 1940 CLAIM		20541.4234	18565.1239	0.00
INPUT:	AR	350 02 57.0 ✓	1061.140 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	82 00 31.0	1061.140	from Base Point 501		0.00
614	4X4	POST NEC PILOT		20103.2664	18631.5771	0.00
INPUT:	AR	342 36 04.0 ✓	1019.120 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	74 33 38.0	1019.120	from Base Point 501		0.00
615	4X4	POST NO TAG		19979.4807	18700.0700	0.00
INPUT:	AR	342 33 20.0 ✓	989.220 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	74 30 54.0	989.220	from Base Point 501		0.00
616	MND	ST.		19986.6826	18729.1007	0.00
INPUT:	AR	344 59 35.0 ✓	1106.240 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	76 57 09.0	1106.240	from Base Point 501		0.00
617	2X2	NO TAG		20001.0472	18604.7319	0.00
INPUT:	AR	328 21 10.0 ✓	1226.320 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	60 18 44.0	1226.320	from Base Point 501		0.00
618	SE	GB 40, 2X2		19643.4270	18617.0626	0.00
INPUT:	AR	321 22 24.0 ✓	1001.170 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	53 19 58.0	1001.170	from Base Point 501		0.00
619	3X3	POST COR GB 40-38		19652.9255	18879.3565	0.00
INPUT:	AR	247 08 23.0 ✓	954.430 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	20 54 03.0	954.430	from Base Point 501		0.00
620	SE	PILOT 4X4		19359.1628	20022.9068	0.00
INPUT:	AR	248 51 40.0 ✓	926.750 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	19 10 46.0	926.750	from Base Point 501		0.00

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
621	NW	SUSIE 4X4		19375.4805	19986.8755	0.00
INPUT:	AR	238 43 33.0 ✓	661.350 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	29 18 48.0	661.350	from Base Point 501		0.00
622	2X2	GB CLAIM		19674.1229	20006.1997	0.00
INPUT:	AR	239 37 42.0 ✓	654.760 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	28 24 44.0	654.760	from Base Point 501		0.00
623	WEC	SUSIE 4X4		19674.8983	19993.9549	0.00
Exit Side Shots, resume at point						
501	CP	30-1		20250.7906	19582.4124	0.00
Start						
507	CP	SKY		21396.4032	15213.2810	0.00
IN	NE	34 36 18.0	1442.360			0.00
506	CP	KNOB		22583.5907	16032.4197	0.00
INPUT:	AR	58 32 45.0	854.270	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	86 50 57.0	854.270	from Base Point 506		0.00
624	2X2			22630.5454	15179.4411	0.00
INPUT:	AR	59 35 25.0 ✓	1032.460 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	85 48 17.0	1032.460	from Base Point 506		0.00
625	NW	PAUL 4X4		22659.1213	15002.7261	0.00
INPUT:	AR	57 32 03.0 ✓	1084.850 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	87 51 39.0	1084.850	from Base Point 506		0.00
626	2X2			22624.0847	14948.3257	0.00
INPUT:	AR	57 42 08.0 ✓	1150.040 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	87 41 34.0	1150.040	from Base Point 506		0.00
627	W	1/4 S.30		22629.8887	14883.3120	0.00
INPUT:	AR	38 44 00.0 ✓	1096.450 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	73 20 18.0	1096.450	from Base Point 506		0.00
628	2X4	?SE YUCCA 14, SW YUCCA 1		22269.2169	14982.0046	0.00
INPUT:	AR	32 54 00.0 ✓	819.100 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	67 30 18.0	819.100	from Base Point 506		0.00
629	2X4,	SEC YUCCA 16		22270.2007	15275.6426	0.00
INPUT:	AR	41 05 51.0 ✓	793.600 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	75 42 09.0	793.600	from Base Point 506		0.00
630	2X2			22387.6058	15263.4002	0.00
INPUT:	AR	21 04 51.0 ✓	555.100 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	55 41 09.0	555.100	from Base Point 506		0.00
631	2X4,	SE YUCCA 16		22270.6640	15573.9299	0.00
INPUT:	AR	352 19 10.0 ✓	350.970 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	26 55 28.0	350.970	from Base Point 506		0.00
632	SEC	YUCCA 18		22270.6643	15873.4951	0.00
INPUT:	AR	339 25 50.0 ✓	326.330 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	14 02 08.0	326.330	from Base Point 506		0.00

Job: PRIME EXPLORATIONS, LTD.  
 CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
633	1X2	4'AG		22267.0031	15953.2768	0.00
INPUT:	AR	303 57 20.0 ✓	335.200 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	21 26 22.0	335.200	from Base Point 506		0.00
634	SE	YUCCA 18, 2X2		22271.5850	16154.9412	0.00
INPUT:	AR	293 49 48.0 ✓	216.940 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	31 33 54.0	216.940	from Base Point 506		0.00
635	2X2	MS		22398.7476	16145.9803	0.00
INPUT:	AR	9 32 20.0 ✓	259.640 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	44 08 38.0	259.640	from Base Point 506		0.00
636	2X2	MS		22397.2748	15851.5901	0.00
INPUT:	AR	35 47 05.0 ✓	306.900 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	70 23 23.0	306.900	from Base Point 506		0.00
637	4X4			22480.5887	15743.3207	0.00
INPUT:	AR	35 24 41.0 ✓	339.930 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SW	70 00 59.0	339.930	from Base Point 506		0.00
638	PROSP.	PIT		22467.4191	15712.9567	0.00
INPUT:	AR	74 55 04.0 ✓	903.140 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	70 28 38.0	903.140	from Base Point 506		0.00
640	4X4,	NE PAUL, SE EMMA		22885.4034	15181.2024	0.00
INPUT:	AR	59 53 55.0 ✓	547.750 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	NW	85 29 47.0	547.750	from Base Point 506		0.00
641	NE	GB 49 2X2		22626.6011	15486.3609	0.00
INPUT:	AR	311 41 59.0 ✓	545.670 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	13 41 43.0	545.670	from Base Point 506		0.00
642	2"	STEEL PIPE		22053.4348	16161.6115	0.00
INPUT:	AR	300 49 38.0 ✓	816.590 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	24 34 04.0	816.590	from Base Point 506		0.00
643	BASE	4X4 & MS DM?		21840.9265	16371.9328	0.00
INPUT:	AR	295 38 19.0 ✓	1103.360 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	29 45 23.0	1103.360	from Base Point 506		0.00
644	2"	STEEL PIPE 8'AG		21625.7159	16580.0319	0.00
INPUT:	AR	293 58 19.0 ✓	1219.530 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	31 25 23.0	1219.530	from Base Point 506		0.00
645	GB	CLAIM		21542.9156	16668.2254	0.00
INPUT:	AR	292 26 11.0 ✓	1299.070 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	32 57 31.0	1299.070	from Base Point 506		0.00
646	PROSP	PIT		21493.5881	16739.1567	0.00
INPUT:	AR	292 28 28.0 ✓	1393.090 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	32 55 14.0	1393.090	from Base Point 506		0.00
647	4X4	W/NAILS BASE		21414.1962	16789.5302	0.00
INPUT:	AR	290 36 40.0 ✓	1632.740 ✓	Z.Ang 90 00 00.0	CF	1.0000000
SS	SE	34 47 02.0	1632.740	from Base Point 506		0.00
648	2"	IP 10'AG		21242.6055	16963.8695	0.00

Program: SURVEY 3.03  
Filename: \SURVEY3\FILES\220

02-20-1991

6:04 AM

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Job: PRIME EXPLORATIONS, LTD.  
CLAIM CONTROL & GRID, CYCLOPIC GOLDBASIN PROPERTIES

By: T. CHRISTOPHER

Point	Quad	Direction	Distance	Northing	Easting	Elevation
INPUT: AR	290	33	10.0 ✓	1686.780 ✓	Z.Ang 90 00 00.0	CF 1.0000000
SS	SE	34 50	32.0	1686.780	from Base Point 506	0.00
649	2			21199.2024	16996.1083	0.00
Exit Side Shots, resume at point						
506	CP	KNOB		22583.5907	16032.4197	0.00
Assign ID						
649	2"	IP AT BASE LYING DOWN		21199.2024	16996.1083	0.00

File: \SURVEY3\FILES\220.

Session terminated at 6:08 AM on 02-20-1991