STAR MINE (gold, silver, mercury)  
Bohemian District  
LANE COUNTY  

Old name: Golden Star, Gold Leaf, Consolidated Mining Co.  

Owner: H.E. Cully, Eugene, Oregon  

Location: South of Puddin Rock, at elevations between 3200 to 3600 feet, in the NE 1/4 sec. 20, T. 23 S., R. 1 E., about 2 miles by trail from the Martin Creek branch of the Sharps Creek road, 12 miles south of Dayton, on the railroad.  

Area: 4 claims and a millsite.  

History: The "Bughole" vein was discovered some time previous to 1910 by Pat Jennings. According to Cully, about $30,000 was taken from a shoot in the west tunnel, and the mine was then sold to the Consolidated Mining Company for $60,000. In the early 1920's F.J. Bartels and Kline built a small mill on the creek below the mine, and did considerable development work, including crosscutting and exploration on the "Porphyry Dike" half a mile west of the main workings. The property was owned between 1924 and 1935 by Fred Coulter and Carl Maddox; between 1935 and 1940 by Dave von Neeva; and between 1940 and 1942 by Frank W. Cooper.  

Development and geology: Most of the development is fairly shallow, being upon the oxidized and enriched portions of three veins, which lie more or less parallel to each other only 15-20 feet apart. These veins strike from N. 40° W. to N. 75° W. and dip from 50° to 80° S., in the same direction as the steep hillside, and they have been developed over a lateral distance of about 500 feet by means of three drifts at about 3500 feet.
elevation, with additional drifts a few feet above or below this elevation. The easternmost workings consist of 3 drifts from 100 to 150 feet long and one drift 50 feet long. Two of these, at elevations of 3505 and 3525 feet, are on the same vein and narrow ore shoots have been stoped for the 25 feet distance between them; another ore shoot in the upper drift has been stoped to the surface. The lower drift at 3460 feet elevation lies on a vein directly beneath, and an ore shoot on this vein has also been stoped to the surface, the stope passing a few feet to the north of the upper drifts, but not being connected with them. The short upper drift lies on a vein a few feet to the south of the others. About 100 feet to the northwest of the portals of these drifts a 40-foot drift at elevation 3500 feet exposes a vein in hard quartz; and 200 feet farther to the northwest at elevation 3505 feet, a drift at least 120 feet long (caved on its east end) is reached by a short crosscut from the south. A narrow shoot on this vein, the "Bughole", is stoped to an upper caved level and is said to have produced $30,000.

Vein matter consists of brecciated altered andesite which contains disseminated pyrite and white to iron-stained quartz, frequently vuggy with comb structure. This material varies from a few inches to nearly 5 feet in thickness, and is paralleled and penetrated by stringers consisting of loose granular quartz in a matrix of limonitic material and some manganese oxides. These oxidized zones are from less than an inch in width to over a foot thick, and contain most of the free gold. The ore shoots appear to be about 10
feet long, have been stope for about 3 to 5 feet in width, and run directly up the dip. There is a suggestion that the ore in most cases occurs at the intersection of the N. 45-55° W. trending fractures with a set which trend N. 65-80° W.

One-half mile northwest of the main workings and at about the same elevation, 4 large open cuts and one 50-foot tunnel have been dug on the so-called "Porphyry Dike", a wide altered zone in porphyritic andesite. The zone appears to trend east and west, and dips 40 to 70° south. A sample across 1 foot of silicified material in the tunnel assayed oz. gold and oz. silver.

The upper crosscut, 125 feet long in green andesite breccia, cuts the western extension of the vein 45 feet below and a little to the west of the "Bughole" drift. At this depth the vein appears only as a fracture in the rock, with a little disseminated pyrite present. The lower crosscut lies from 150 to 200 feet in elevation below the main workings. It is 300 feet long in porphyritic andesite, and it cuts a vein at 275 feet which strike N. 75° W. and dips 65° S. The vein consists of 2 to 3 feet of clay gouge, containing a 1-inch stringer of quartz and limonite. An assay of a sample across 30 inches gave oz. gold and oz. silver.

Three samples were taken from these drifts and assayed as follows:

3 foot chip sample of pyritized rock and oxidized material on west side of first stope, above tunnel level, in the middle drift.  
  oz. gold  
  oz. silver

2 inch sample of limonite and manganese oxide at face of middle drift.  
  oz. gold, oz. silver, lbs. mercury
1 foot sample of limonite and manganese oxide in pocket at face of lower drift.

oz. gold
oz. silver
lbs. mercury

Informant: R.E. Cully

Report by: J.E. Allen, August, 1945
REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full _______ Chester Leighton Dailey _________

Post-office address ___________ 62 N. Washington Street, Eugene, Oregon ____________

Are you a citizen of Oregon yes Date on which sample is sent October 12, 1948

Name (or names) of owners of the property _______ H. E. Cully ________

Name of claim sample obtained from __________ Star Claims ________

Location of property or source of sample (describe as accurately as possible below):

County ____ Lane ____ Mining district ____ Bohemia ________

Township 23 Range 1-EWM Section 21 Quarter section _______ ________

How far from passable road _______ 2 miles ________

For what minerals or elements do you wish the sample(s) analyzed _______ Gold, Silver, Platinum ________

Channel (length) Grab Pipe Description

Sample No. 1 50 feet _______ _______ quartz ________

Sample No. 2 60 feet _______ _______ quartz ________

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) _______ Chester L. Dailey _________

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description ________________________________

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>GOLD oz./T Value</th>
<th>SILVER oz./T Value</th>
<th>PLATINUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1 Trace</td>
<td>Trace</td>
<td>Nil</td>
<td></td>
</tr>
<tr>
<td>No. 2 0.32</td>
<td>$11.20</td>
<td>Trace</td>
<td>Nil</td>
</tr>
</tbody>
</table>

Report issued _______ Card filed _______ Report mailed _______ Called for _______

SIR-5
REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: R. E. Cully
Post-office address: Rt. 2, Eugene, Oregon
Are you a citizen of Oregon: yes Date on which sample is sent: 12/1/45
Name (or names) of owners of the property above:
Name of claim sample obtained from: Star Mine
Location of property or source of sample (describe as accurately as possible below):
County: Lane Mining district: Bohemia
Township: 23S Range: 1E Section: 20 Quarter section: NE¼
How far from passable road: 2 miles
For what minerals or elements do you wish the sample(s) analyzed: Au & Ag

<table>
<thead>
<tr>
<th>Sample No. 1</th>
<th>Sample No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Channel (length)</td>
<td>Grab Pipe</td>
</tr>
<tr>
<td>Concentrates</td>
<td></td>
</tr>
</tbody>
</table>

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. E. Cully

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description

1. Cully (P-4301) 3. Quartz (P-4303) Hold for 30 days?
2. Cooper (P-4302) 4. Placer metal (P-4304) What is it?

<table>
<thead>
<tr>
<th>Sample</th>
<th>GOLD</th>
<th>SILVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
</tr>
<tr>
<td>#1</td>
<td>7.92</td>
<td>$277.20</td>
</tr>
<tr>
<td>#2</td>
<td>1.76</td>
<td>$61.60</td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed Called for

SIR-5
STAR MINE Bohemia District

NE¼ sec. 20, T. 23S., R. 1 E.

R.E. Cully, Owner. Dorena, Oregon

The values in the Star mine will only be found near the surface, it is doubtful if any high grade ore will appear farther than 30 or 40 feet from the surface.

There are several points where a small amount of development work might expose new ore shoots. The arrangement of the shoots already mined suggests strongly that they may be localized along intersections of fractures, one set of which strikes N. 45-55° W., and the other N. 65-80° W. Try development as follows (see best numbers on enclosed map):

1. In lower drift, 50 feet from portal. Crosscut 15-20 feet to the southwest here, to pick up ore-shoot which has been mined in the parallel vein above.

2. In uppermost drift, at the face. Extend this drift 10-20 feet to see if it intersects with the cross vein exposed in the short drift to the south.

3. Western "Bughole" tunnel. Extend the crosscut 10-20 feet to the north to see if lower vein occurs this far west.

J.E.A. 1945
### Samples Submitted By:

**Len Ramp (DOGAMI)**

**Address:** P.O. Box 417, Grants Pass, Oregon

**Date:** 12/6/60

<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S.</th>
<th>T.</th>
<th>R.</th>
<th>Assay For</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG - 319</td>
<td>Star Mine, Iron Gulch #1</td>
<td>30 inch cut</td>
<td>NE</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au, Ag</td>
</tr>
<tr>
<td>UG - 320</td>
<td>Star Mine, Iron Gulch #1</td>
<td>4 foot cut</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au, Ag</td>
</tr>
<tr>
<td>UG - 321</td>
<td>Star Mine, Iron Gulch #2</td>
<td>20 inch cut</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au, Ag</td>
</tr>
<tr>
<td>UG - 322</td>
<td>Star Mine, Iron Gulch #2</td>
<td>5 foot chip</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au, Ag</td>
</tr>
<tr>
<td>UG - 323</td>
<td>Star Mine, Snowshoe Claim</td>
<td>32 inch cut</td>
<td>NW</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au, Ag</td>
</tr>
</tbody>
</table>

**Descriptions:**

**UG - 319** - Taken across altered rusty gouge & fracture zone striking N. 43° W. and dipping 63° S. 12 feet from portal lower 100-foot crosscut tunnel on Iron Gulch No. 1 claim. It is silicified rock and clayey gouge with disseminated pyrite largely altered to limonite.


**UG - 321** - In vein about 70 feet from portal to 250 to 300-foot intermediate level drift trending S. 30° E. Iron-stained brecciated vein quartz and siliceous pyrite-impregnated altered wall rock.

**UG - 322** - Across altered zone in 37-foot crosscut tunnel west side Mattox Gulch on SE side, N. 23° E-trending tunnel, 20 foot from portal. Is fractured iron-stained in part clay gouge, in part brecciated vein quartz, and part silicified wall rock with disseminated pyrite & secondary limonite.

**UG - 323** - Across breccia-shear zone in up. drift trend. N. 75° E. Dip of shear 76° S. Includes limonitic breccia, pyrite-

**Results:**

**Impregnated clay gouge and minor fractured quartz**

<table>
<thead>
<tr>
<th></th>
<th><strong>GOLD</strong></th>
<th><strong>SILVER</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>P-26025</td>
<td>UG-319</td>
<td>Nil</td>
</tr>
<tr>
<td>P-26026</td>
<td>UG-320</td>
<td>0.03 ($1.05)</td>
</tr>
<tr>
<td>P-26027</td>
<td>UG-321</td>
<td>0.02 ($0.70)</td>
</tr>
<tr>
<td>P-26028</td>
<td>UG-322</td>
<td>Trace</td>
</tr>
<tr>
<td>P-26029</td>
<td>UG-323</td>
<td>0.02 ($0.70)</td>
</tr>
</tbody>
</table>

*drusy - "covered with minute crystals; containing cavities lined with crystals; as a drusy surface."
Star Mine
With Guy Lea
12-1-60

8" q/l vein exposed in
gulch striking N 65° W
dip 45° S in a grayish
siliceous py impreatt

Near vein bordering
on Iron Gulch No 1 Art.
3175 (A) (Bow)

Tunnel 3250 (A) E on
Iron Gulch #1

Face 20' + 3 0.5 10' drift
S 45° E + 70° 10' drift SE
on rusty gouge fault

and striking N 63° S

Take S # 1 12-1-60
30' cut 12' to portal

Trend = N 30° E
100' crosscut length

3300 Tunnel drifts both

ways vein strike
N 58° W dip 45° S

NE drift about 100'
5W H 25
Hit vein about 30' in for
portal Ratsey Cave
3330 (A) 5 1/2 trench

Drift on vein

5 1/2, 5 1/2 wide

Two quarters seams

New Portal about 12 April

Takes simple

2-12-1-40

3215 drift from

Gully 850 ft from Western

Optimum Gulch No. 3 (in)

Vein strikes N 60 W

Dips 60 5 SW

Thus 6" 9 ft Seam in

HW altered py-

Imposed zone

Underneath

Wormer gauge zone

Above 9 ft

Drift about 50' long

3225 (A) SE across gully

Short drift 850 E

on shear zone

40' raise caved at

Portal

Vein dips SW 65°
12-2-60

Powerhouse 2760
Crosscut Tunnel 3965
named for water storage

37' Crosscut 3210(A)
W side south (matter)
Tunnel → N 23° E 125's
Vein at 20' striking
N 50° W dip 45° SW
Vein consists of 5' altered
Silicified Pyrite and zon-
minal and of 9'2 seen in
Shear about 8' from feature

(UG 322) Take st 1-12-2-60
across vein
UP TO 3,310' DRIFT 30°
on vein, tap on top of vein
from 3,225' level in Free
vein N 42° W dip 45°

12-2-60
NW 1/4 see 20
Snow Shoe Claim

3,250' A upper drift crossed
higher
Assay vein strikes N 75° E dip 70°
strong shear with gouge & breccia
about 40° drift & some open
main shear about 2 feet
up to 20'?

Sample 2-12-2-60
= 2' cut across main shear

#
E of Snow Shoe 1,500' west
of End Tip Bull Claim
Crosscut temple
20' from dip tal thin shear
shaking N 63° E, dip
63° SE Take small sample
for panning
Flat shear & a ledge 20'
Mr. Jens Nielsen
3910 S.E. 65th St.
Portland, Oregon 97206

Dear Mr. Nielsen:

Mr. Corcoran has asked me to send you the information we have on the Star Mine in case it can be of help to you at the validity hearing next week.

I have visited the mine briefly on two occasions. The first visit was early in December of 1960 in the company of Mr. Guy Leabo. I looked over the accessible workings and took 5 chip samples across various vein exposures for assay.

My second visit was last spring at the open house held by Northwest Mine and Milling Inc. at which time I took 3 more samples for assay. I am enclosing photo copies of these assay reports and other samples from the mine that have been submitted to the Department for assay over the years.

I have only brief field notes from my visits and a letter report written to Mr. Leabo. I have never prepared a formal site report on the property, as it was my intention to return at some later time and make a geologic map of the combined workings and surrounding area to help the owners record their assay data and to better plan their exploration and development work. Unfortunately I never got around to doing this.

The following comments represent my knowledge of the mine and a summary of recommendations given to Leabo as a result of my December 1960 examination.

Mineralization in the area appears to occur in three different ways. Most of the development work has been to expose a system of narrow northwest-striking, southeast-dipping fissure veins or single veins that have been offset. There are also a few cross-cutting northeast-striking, high-angle fissures or faults. These two sets of fissures are generally filled with clay gouge, quartz, disseminated pyrite and varying amounts of secondary limonite. A few spots along these fissures contain interesting gold values, but the average assay of vein material is apparently quite low.
Points of enrichment (ore shoots) may be associated with intersections of these two
sets of cross-cutting fissures.

The third type of mineralization appears to be more widespread and may have
some potential of a large low-grade deposit. These are the areas of alteration and
pyrite dissemination in tuffs such as the area I sampled at the site of the proposed mill
adit (AEG 112). You will note from the assay report that this altered tuff contained a
minor amount of chalcopyrite. This could be very helpful if you decide to undertake a geochemi-
soil sampling program. The "porphyry dike" described in the 1945 report would also
belong to this Third Type of deposit.

My recommendations to Leabo were to get a geologic map made of the workings and
surrounding area so that he could have a better picture of the vein structures. On such
a map you would be able to plot all assay data and also to record any testing done by panning.
This would help to pinpoint and outline any ore shoots (enrichments) found along the
vein and enable better planning for development of ore. A large number of samples for
preliminary panning and a somewhat lesser number for control assays would be
essential in exploring and evaluating this area. In addition to this I believe that
a geochemical soil sampling program on a 100 foot-center grid with samples being assayed for
copper and then contoured for those above about 200 parts per million Cu should help to
outline favorable areas of disseminated sulfides. If surface sampling of any anomalous areas is at all encouraging, some drilling may be advisable in
order to determine the presence of an ore-body.

Exploration work such as this should be done by or under the direction of a com-
petent, experienced mining geologist. It should be carefully planned and carried out
in a logical step-by-step manner; in such a way that if you fail to obtain encouraging
results from any important exploration step, further work can be curtailed and thereby
avoid spending additional exploration funds on a program that is no longer justified.
In summary, I believe that the Star Mine and surrounding area contain enough evidence of mineralization to be worthy of some additional exploration. To my knowledge the area has never been mapped or systematically sampled so that a proper evaluation could be made. The type of preliminary mapping and sampling program I have in mind, could probably be obtained for under $1,000 and result in a recommendation of whether the area warrants any further work. It can be credited as assessment work.

It is possible that the responsible government agencies will be willing to grant you enough time to carry out such a program before deciding on the validity of your claims.

Sincerely,

Res. Chef
REQUEST FOR SAMPLE INFORMATION

The State law governing analysis of samples by the State assay laboratory is given on the back of this blank. Please supply the information requested herein fully and submit this blank filled out along with the sample.

Your name in full: Guy E. Leabo

Street or P.O. Box: 74 Pengra Road
City & State: Fall Creek, Oregon

Are you a citizen of Oregon? Yes
Date on which sample is sent: 9-25-1958

Name (or names) of owners of the property: Guy E. Leabo, Harry C. Miller

Are you hiring labor? No
Are you milling or shipping ore? No

Name of claim sample obtained from: Iron Gulch #1

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.):

County: Lane
Mining District: Bohemia

Township: 23 S.
Range: 1 E.
Section: 20
Quarter section: SE

How far from passable road? 1½ miles
Name of road: Puddin Rock Rd.

<table>
<thead>
<tr>
<th>Channel (length)</th>
<th>Grab</th>
<th>Assay for</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample no. 1</td>
<td>X</td>
<td>Au, Ag</td>
<td>10 inches material on hanging wall</td>
</tr>
<tr>
<td>Sample no. 2</td>
<td>X</td>
<td>Au, Ag</td>
<td>22 inches material on hanging wall</td>
</tr>
</tbody>
</table>

(Signed) Guy E. Leabo

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Sample Description:
1. Weathered tuff breccia.
2. Weathered tuff breccia.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>Value</th>
<th>SILVER</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T.</td>
<td></td>
<td>oz./T.</td>
<td></td>
</tr>
<tr>
<td>F-23713 No. 1</td>
<td>0.60</td>
<td>$21.00</td>
<td>0.60</td>
<td>$0.55</td>
</tr>
<tr>
<td>F-23714 No. 2</td>
<td>0.74</td>
<td>$25.90</td>
<td>0.62</td>
<td>$0.56</td>
</tr>
</tbody>
</table>

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(Please print.)

Name: Mr. Guy E. Leake
Street: 233 E. "G" Street
City: Cottage Grove, Oregon
Name of property owners: Guy Leake

Date sample is sent: 5-11-64
Are you hiring labor?: No
Milling or shipping ore?: No

Location of property or source of sample (If legal description is not known, give location with reference to known geographical point.)

County: 
Township: 29 T
Range: 1 W
How far from passable road and name of road: 1/4 mile

Channel (length): 
Grab Assay for: Au, Ag
Description:

Sample No. 1: Center riffle
Sample No. 2: Tol 10

(Signature) Guy E. Leake

(Samples for assay should be at least 1 lb. in weight; clay samples for ceramic testing, at least 5 lbs.)

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description: f1 and f2 - crushed rock.

<table>
<thead>
<tr>
<th>Sample number</th>
<th>GOLD</th>
<th>SILVER</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
</tr>
<tr>
<td>No. 1</td>
<td>10.97</td>
<td>0.029-93</td>
</tr>
<tr>
<td>No. 2</td>
<td>0.18</td>
<td>0.60</td>
</tr>
</tbody>
</table>

Report issued: Card filed: Report mailed 4-23-64
Called for: SIR-5
Up Sharps Creek road to Martin Creek junction. Then turn right up Martin Creek. Then left at the next spur road. 1/2 mile, then turn left again at next intersection about 1/2 miles, then is 600 feet to puddin rock creek. Then turn left again through locked gate. Combination to lock = 1432. Then 1/2 mile to parking spot. Then 1/2 mile by trail to mine.
REQUEST FOR INSPECTION OF PROPERTY
by
State Department of Geology and Mineral Industries

400 East I Street  702 Woodlark Building  2102 Court Street
Grants Pass  Portland  Baker

PLEASE READ THIS CAREFULLY BEFORE FILLING IN BLANKS

Every blank should be completely filled in. The reasons are that: We cannot examine all of the properties we are asked to examine because we do not have enough engineers to go around. Our funds and personnel are limited. It costs the State a substantial amount for the examination of your property. We are just as anxious to examine it as you are to have us do so. Therefore, in order that there shall be no loss of time, we must know exactly where your property is, how to get to it, where to meet you or someone who can take us in, and how much there is to be seen. You'd be surprised how often people, in directing us to their own properties, give directions which are not clear or which are confusing or incomplete. Sometimes we lose hours or a full day which could have been saved if the blank had been properly filled in. Please give us a break and put down all the dope!

Fill in accurately all the following blanks as fully as possible (even if the answer is "No"), and mail this form to the office address above, nearest to your property. A field engineer will then get in touch with you and arrange for the trip.

<table>
<thead>
<tr>
<th>Inspection requested by:</th>
<th>Owner of property:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name:</td>
<td>Name:</td>
</tr>
<tr>
<td>Address:</td>
<td>Address:</td>
</tr>
<tr>
<td>What is property commonly called?</td>
<td>Location of property:</td>
</tr>
<tr>
<td>Owner:</td>
<td>County:</td>
</tr>
<tr>
<td>Lessee:</td>
<td>Section:</td>
</tr>
<tr>
<td>Other:</td>
<td>Range:</td>
</tr>
</tbody>
</table>

What is the problem that is bothering you most? In other words, is it geological, metallurgical (milling), mining, how to continue exploration, financial, or what?

Date: . . . 194 . .

Name: E. LeFebre  Name: E. LeFebre
Address: 105) S. Coast Ave.  Address: 105) South 6th Ave.
What is property commonly called?  From the Columbia Mines (Star Mine).
What is your own interest in property?  Owner:  Partner:  Other
Location of property:  County:  Postoffice:  Culp Creek
Directions to field man:

Who will accompany field man to property? ..........................................

Can we drive right to the property? .................................................. What kind of road is it?

How far must we pack equipment, samples, etc., from the road? ............

During what months is the property not accessible? ..............................

Detailed road and trail directions for getting from nearest Postoffice to property; or to place where field man will meet you or the guide:

Description of property to be examined:

What kind of property: Gold lode? ........................ Placer? ................ Other?

History: Is the property a prospect? ........ A past producing mine now idle?

Is it producing now? .......... During what periods was it in production?

Development: Describe the surface workings (open-cuts, pits, trenches) that are cleaned out so that we can see the rock or ore in place...

Twelve tunnels

How many feet of underground workings (tunnels, cross-cuts, drifts, shafts, raises) approximately are open so that we can examine the rock or ore? ..........................

(1,000 feet probably)

How many dumps are there? ...... Do you have a claim map of the property?


How many samples have been taken and assayed? ..................................

Date request received: 9-29, 1940 Date set for visit: middle of Oct 1940

Date property visited: ...... 194 by: .............................................

Cost of inspection: Salary: .................................. Meals and Lodging: ........................................ Car Mileage-cost at 4¢ ................................. Total: ...................................................
STAR MINE (gold, silver, mercury)  

Old names: Golden Star, Gold Leaf, Consolidated Mining Co.  

Owner: H.E. Cully, Eugene, Oregon  

Location: South of Puddin Rock, at elevations between 3200 to 3600 feet, in the NE\(\frac{1}{4}\) sec. 20, T. 23 S., R. 1 E., about 2 miles by trail from the Martin Creek branch of the Sharps Creek road, 12 miles south of Dasson, on the railroad.  

Area: 4 claims and a millsite.  

History: The "Bughole" vein was discovered some time previous to 1910 by Pat Jennings. According to Cully, about $30,000 was taken from a shoot in the west tunnel, and the mine was then sold to the Consolidated Mining Company for $60,000. In the early 1920's F.J. Bartels and Kline built a small mill on the creek below the mine, and did considerable development work, including crosscutting and exploration on the "Porphyry Dike" half a mile west of the main workings. The property was owned between 1924 and 1935 by Fred Coulter and Carl Maddox; between 1935 and 1940 by Dave von Neeva; and between 1940 and 1942 by Frank W. Cooper.  

Development and geology: Most of the development is fairly shallow being upon the oxidized and enriched portions of three veins, which lie more or less parallel to each other only 15-20 feet apart. These veins strike from N. 40° W. to N. 75° W. and dip from 50° to 80° S., in the same direction as the steep hillside, and they have been developed over a lateral distance of about 500 feet by means of three drifts at about 3500 feet.
elation, with additional drifts a few feet above or below this elevation. The easternmost workings consist of 3 drifts from 100 to 150 feet long and one drift 50 feet long. Two of these, at elevations of 3606 and 3525 feet, are on the same vein and narrow ore shoots have been stoped for the 25 feet distance between them; another ore shoot in the upper drift has been stoped to the surface. The lower drift at 3460 feet elevation lies on a vein directly beneath, and an ore shoot on this vein has also been stoped to the surface, the stope passing a few feet to the north of the upper drifts, but not being connected with them. The short upper drift lies on a vein a few feet to the south of the others. About 100 feet to the northwest of the portals of these drifts a 40-foot drift at elevation 3500 feet exposes a vein in hard quartz; and 200 feet farther to the northwest at elevation 3505 feet, a drift at least 120 feet long (caved on its east end) is reached by a short crosscut from the south. A narrow shoot on this vein, the "Bughole", is stoped to an upper caved level and is said to have produced $30,000.

Vein matter consists of brecciated altered andesite which contains disseminated pyrite and white to iron-stained quartz, frequently vuggy with comb structure. This material varies from a few inches to nearly 5 feet in thickness, and is paralleled and penetrated by stringers consisting of loose granular quartz in a matrix of limonitic material and some manganese oxides. These oxidized zones are from less than an inch in thickness to over a foot thick, and contain most of the free gold. The ore shoots appear to be about 10
feet long, have been stoped for about 3 to 5 feet in width, and run directly up the dip. There is a suggestion that the ore in most cases occurs at the intersection of the N.45-55° W. trending fractures with a set which trend N. 65-80° W.

One-half mile northwest of the main workings and at about the same elevation, 4 large open cuts and one 50-foot tunnel have been dug on the so-called "Porphyry Dike", a wide altered zone in porphyritic andesite. The zone appears to trend east and west, and dips 40 to 70° south. A sample across 1 foot of silicified material in the tunnel assayed oz. gold and oz. silver.

The upper crosscut, 125 feet long in green andesite breccia, cuts the western extension of the vein 45 feet below and a little to the west of the "Bughole" drift. At this depth the vein appears only as a fracture in the rock, with a little disseminated pyrite present. The lower crosscut lies from 150 to 200 feet in elevation below the main workings. It is 360 feet long in porphyritic andesite, and it cuts a vein at 275 feet which strike N.75°W. and dips 65° S. The vein consists of 2 to 3 feet of clay gouge, containing a 1-inch stringer of quartz and limonite. An assay of a sample across 30 inches gave oz. gold and oz. silver.

Three samples were taken from these drifts and assayed as follows:

3 foot chip sample of pyritized rock and oxidized material on west side of first stope, above tunnel level, in the middle drift.

<table>
<thead>
<tr>
<th>Metal</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz. gold</td>
<td>1</td>
</tr>
<tr>
<td>oz. silver</td>
<td>2</td>
</tr>
</tbody>
</table>

2 inch sample of limonite and manganese oxide at face of middle drift.

<table>
<thead>
<tr>
<th>Metal</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>oz. gold</td>
<td>1</td>
</tr>
<tr>
<td>oz. silver</td>
<td>2</td>
</tr>
<tr>
<td>lbs. mercury</td>
<td>1</td>
</tr>
</tbody>
</table>
1 foot sample of limonite and manganese oxide in pocket at face of lower drift.

Oz. gold
Oz. silver
Lbs. mercury

Informant: R.E. Cully

Report by: J.E. Allen, August, 1945
REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full ________________________________ Chester Leighton Dailey

Post-office address ________________________________ 62 N. Washington Street, Eugene, Oregon

Are you a citizen of Oregon yes Date on which sample is sent October 12, 1948

Name (or names) of owners of the property ________________________________ H. E. Cully

Name of claim sample obtained from ________________________________ Star Claims

Location of property or source of sample (describe as accurately as possible below):

County ________________________________ Lane ________________________________ Mining district Bohemia

Township 23 Range 1-EWM Section 21 Quarter section __________

How far from passable road __________ 2 miles

For what minerals or elements do you wish the sample(s) analyzed Gold, Silver, Platinum

Channel (length) Grab Pipe Description

Sample No. 1 __________ 50 feet __________ __________ quartz

Sample No. 2 __________ 60 feet __________ __________ quartz

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) ________________________________ Chester L. Dailey

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description ________________________________

<table>
<thead>
<tr>
<th>Sample Number</th>
<th>GOLD</th>
<th>SILVER</th>
<th>PLATINUM</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>Trace</td>
<td>Trace</td>
<td>Nil</td>
</tr>
<tr>
<td>No. 2</td>
<td>0.32</td>
<td>$11.20</td>
<td>Trace</td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed Called for

SIR-5
REQUEST FOR SAMPLE INFORMATION

The State law governing free analysis of samples sent to State Assay Laboratories requires that certain information be furnished the Laboratory regarding samples sent for assay or identification. A copy of the law will be found on the back of this blank. Please fill in the information called for as completely as possible, and submit it along with your sample. Keep a copy of the information on each sample for your own reference.

Your name in full: R. E. Cully
Post-office address: Rt. 3, Eugene, Oregon

Are you a citizen of Oregon: yes Date on which sample is sent: 12/1/45

Name (or names) of owners of the property: above

Name of claim sample obtained from: Star Mine

Location of property or source of sample (describe as accurately as possible below):

County: Lane Mining district: Bohemia
Township: 23S Range: 1E Section: 20 Quarter section: NE¼
How far from passable road: 2 miles

For what minerals or elements do you wish the sample(s) analyzed: Au & Ag

Channel (length): Grab Pipe Description
Sample No. 1
Sample No. 2

IMPORTANT: A vein sample should be taken in an even channel across the vein from wall to wall. Location of sample in the workings, together with the width measured, should be recorded.

(Signed) H. E. Cully

DO NOT WRITE BELOW THIS LINE - FOR OFFICE USE ONLY - USE OTHER SIDE IF DESIRED

Description
1. Cully (P-4301) 3. Quartz (P-4303) Hold for 30 days?
2. Cooper (P-4302) 4. Placer metal (P-4304) What is it?

P-4304, mainly metallic iron, also hypersthene, magnetite, and gold (?)

<table>
<thead>
<tr>
<th>Sample</th>
<th>GOLD</th>
<th>SILVER</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number</td>
<td>oz./T. Value</td>
<td>oz./T. Value</td>
<td></td>
</tr>
<tr>
<td>#1</td>
<td>7.92 $277.20</td>
<td>4.00 $3.60</td>
<td>$280.80</td>
</tr>
<tr>
<td>#2</td>
<td>1.76 $61.60</td>
<td>1.95 $1.76</td>
<td>$63.36</td>
</tr>
</tbody>
</table>

Report issued Card filed Report mailed Called for

SIR-5
The values in the Star mine will only be found near the surface, it is doubtful if any high grade ore will appear farther than 30 or 40 feet from the surface.

There are several points where a small amount of development work might expose new ore shoots. The arrangement of the shoots already mined suggests strongly that they may be localized along intersections of fractures, one set of which strikes N. 45-55° W., and the other N. 65-80° W. Try development as follows (see blue numbers on enclosed map):

1. In lower drift, 50 feet from portal. Crosscut 15-20 feet to the southwest here, to pick up ore-shoot which has been mined in the parallel vein above.

2. In uppermost drift, at the face. Extend this drift 10-20 feet to see if it intersects with the cross vein exposed in the short drift to the south.

3. Western "Bughole" tunnel. Extend the crosscut 10-20 feet to the north to see if lower vein occurs this far west.

J.E.A. 1945
<table>
<thead>
<tr>
<th>Sample No.</th>
<th>Mine or Prospect</th>
<th>Type</th>
<th>District</th>
<th>S</th>
<th>T</th>
<th>R</th>
<th>Assay For</th>
</tr>
</thead>
<tbody>
<tr>
<td>UG - 319</td>
<td>Star Mine, Iron Gulch #1</td>
<td>30 inch cut</td>
<td>NE</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au,Ag</td>
</tr>
<tr>
<td>UG - 320</td>
<td>Star Mine, Iron Gulch #1</td>
<td>4 foot cut</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au,Ag</td>
</tr>
<tr>
<td>UG - 321</td>
<td>Star Mine, Iron Gulch #2</td>
<td>20 inch cut</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au,Ag</td>
</tr>
<tr>
<td>UG - 322</td>
<td>Star Mine, Iron Gulch #2</td>
<td>5 foot chip</td>
<td>&quot;</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au,Ag</td>
</tr>
<tr>
<td>UG - 323</td>
<td>Star Mine, Snowshoe Claim</td>
<td>32 inch cut</td>
<td>NW</td>
<td>20</td>
<td>23</td>
<td>1 E</td>
<td>Au,Ag</td>
</tr>
</tbody>
</table>

**Descriptions:**

UG - 319 - Taken across altered rusty gouge & fracture zone striking N. 43° W. and dipping 63° S. 12 feet from portal lower 100-foot crosscut tunnel on Iron Gulch No. 1 claim. It is silicified rock and clayey gouge with disseminated pyrite largely altered to limonite.

UG - 320 - Across vein in upper open cut & 50-foot drift trending E. 56° E. on vein striking N. 65° W. and dipping 55° S. includes 2 6-inch drusy* quartz veins in rusty, clayey, sheared, and pyrite-impregnated altered rock.

UG - 321 - In vein about 70 feet from portal to 250 to 300-foot intermediate level drift trending S. 30° E. Iron-stained-breciated vein quartz and siliceous pyrite-impregnated altered wall rock.

UG - 322 - Across altered zone in 37-foot crosscut tunnel west side Mattox Gulch on SE side, N. 23° E-trending tunnel, 20 foot from portal. Is fractured iron-stained in part clay gouge, in part brecciated vein quartz, and part silicified wall rock with disseminated pyrite & secondary limonite.

UG - 323 - Across breccia-shear zone in up. drift trend. N. 75° E. dip of shear 76° S. includes limonitic breccia, pyrite-

**Results:** Impregnated clay gouge and minor fractured quartz.

<table>
<thead>
<tr>
<th></th>
<th>GOLD</th>
<th>SILVER</th>
</tr>
</thead>
<tbody>
<tr>
<td>F-25026</td>
<td>0.03</td>
<td>$0.10</td>
</tr>
<tr>
<td>F-25027</td>
<td>0.02</td>
<td>$0.07</td>
</tr>
<tr>
<td>F-25028</td>
<td>Trace</td>
<td>Nil</td>
</tr>
</tbody>
</table>

*drusy - "covered with minute crystals; containing cavities lined with crystals; as a drusy surface.