

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

STAR MINE (gold, silver, mercury)

LANE COUNTY
Bohemia District

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 Disston, 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 eastermost 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 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 350 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 stoppe, above tunnel level, in the middle drift.

AN oz. gold
oz. silver

2 inch sample of ~~ix~~ limonite and manganse oxide at fave 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

STAR MINE

BOHEMIA

0011

LANE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

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

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1	<u>50 feet</u>	<u></u>	<u></u>	<u>quartz</u>
Sample No. 2	<u>60 feet</u>	<u></u>	<u></u>	<u>quartz</u>

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

Sample Number	GOLD		SILVER		PLATINUM			
	oz./T.	Value	oz./T.	Value				
No. 1	Trace		Trace		Nil			
No. 2	0.32	\$11.20	Trace		Nil			

Report issued Card filed Report mailed Called for

STAR MINE

BOHEMIA

CO. T

LANE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

REQUEST FOR SAMPLE INFORMATION

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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 NE $\frac{1}{4}$

How far from passable road 2 miles

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

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1				<u>Concentrates</u>
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

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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-3404, mainly metallic iron, also hypersthene, magnetite, and gold (?)

Sample Number	GOLD		SILVER				TOTAL
	oz./T.	Value	oz./T.	Value			
#1	7.92	\$277.20	4.00	\$3.60			\$280.80
#2	1.76	\$ 61.60	1.95	\$1.76			\$ 63.36

Report issued _____ Card filed _____ Report mailed _____ Called for _____

STAR MINE

Bohemia District

NE $\frac{1}{4}$ 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 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

SAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417, Grants Pass, Oregon DATE: 12/6/60

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For	
UG - 319	Star Mine, Iron Gulch #1	30 inch cut	Bohemia	NE	20	23 S	1 E	Au, Ag
UG - 320	Star Mine, Iron Gulch #1	4 foot cut	"	"	20	23 S	1 E	Au, Ag
UG - 321	Star Mine, Iron Gulch #2	20 inch cut	"	"	20	23 S	1 E	Au, Ag
UG - 322	Star Mine, Iron Gulch #2	5 foot chip	"	"	20	23 S	1 E	Au, Ag
UG - 323	Star Mine, Snowshoe Claim	32 inch cut	"	NW	20	23 S	1 E	Au, Ag

Descriptions:

- UG - 319 - Taken across altered rusty gouge & fracture zone striking N. 43° W. and dipping 62° 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 S. 5° 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 in 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 dissem. 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-impregnated clay gouge and minor fractured quartz.

Results:

			GOLD	SILVER
P-26025	UG-319	.....	Nil	Nil
P-26026	UG-320	.....	0.03 (\$1.05)	Nil
P-26027	UG-321	.....	0.02 (\$0.70)	Nil
P-26028	UG-322	.....	Trace	Nil
P-26029	UG-323	.....	0.02 (\$0.70)	Nil

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

1/4/61

Star Mine
with Guy Leabo
12-1-60

8" qtz vein exposed in
gulch striking N68°W
dip 45° S in agglom
siliceous py impo. att
200' near vein bordering
on Iron Gulch No 1 claim
3175(A) ("low")

Tunnel 3250 (A) E on
Iron Gulch #1

Face 20' ~~to~~ 10' drift
S45°E + 70' 10' drift SE
on rusty gouge of fracture
zone striking N43°W, dip
63° S

VC319
* 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° E dip 45° S ? NW
NE drift about 100' strike
SW " " 25'
hit vein about 30' in from
portal partly covered

French &
3330 (A) ^{50'} drift on
vein → S 65° E
dip 55° S
about 4 1/2' wide
Two 6' quartz seams
near portal about
2' apart
Take sample
2-12-1-60 (A)

UG 320
★

3215 drift from
gully 250' from west end
of Nixon Gulch No 2. (in)

vein strikes N 60° W
dips 60° SW

thin 6" qtz seam in
HW altered py-
impregnated zone
underneath

Narrow gangue zone
above qtz.
drift about 50' long

3225 (A) SE across gully
short drift S 30° E
on shear zone
40' raise caved at
portal
vein dips SW 65°

Nixon Gulch

Quant of breccia in
face dark Fe staining
uggy. enters about
S 80° E & curves to
S 30° E about 15' in

~~Drift~~ Drift 25' above
→ S 30° E 250 or 300
Cased. some vein & dip.
below
Two connecting raises
from intermediate level
& raise to surface
short levels about

3250
VG 321
5:30 Cabin 2725(A) night

(Send Ore-Bin Sub.
To Guy Leabo
1051 South 6th St.
Cottage Grove, Ore.
Pd 50¢

To Leabo
Send back issues re
small mine operation, placer
mines, active mines list,
etc.

12-2-60

Powerhouse 2760 (A)
crosscut tunnel 2965 (A)
dammed for water storage

37' Crosscut 3210 (A)
w side gulch (mattox)
tunnel \rightarrow N23°E kts
vein at 20' striking
N 50°W dip 45°SW
vein consists of 5' altered
silicified pyrimp rgr zone
minor amt of qtz seen in
shear about 8" from face
(UG 322) Take s# 1-12-2-60
across vein



10x Triple
20x too high Triple
2 plane



up to 3310 (Adrift to 30'
on vein top of vein
from 3225 level in face
vein N42°W dip 45

12-2-60
NW 1/4 sec 20

Snow shoe claim

3250 A upper drift (crossed
higher

fissure vein strikes N75 E dip 76°
strong shear with gouge & breccia

about 40' drift of some ^(50') open cu

main shear about 2 feet
with wide altered zone
up to 20'?

(VG 323) Sample 2-12-2-60
= 2' cut across main shear

#

E of Snow shoe & 50' west
of End Iron Ore claim
crosscut tunnel

20' from partial thin-shear
striking N63°E, dip
53°SE / Take small sample
for panning

Flat shear & altered zone

CC to REC.

Mr. Jens Nielsen
3910 S.E. 65 th St.
Portland, Oregon 97206

Dear Mr. Nielsen:

Mr. Corcoran has asked me to send you ^{all} 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 ^{at which time} 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 ^{along with} ~~and~~ other samples from the mine that have been submitted to the Department for assay over the years, ^{and a copy of our 1945 mine reports}

I have only brief field notes from my visits and a ^{copy of a} letter ~~report~~ written to Mr. Leabo. I have never prepared a formal ~~the~~ 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 ^{Mr} 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 vein that has 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, ^{drusy} 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 ^{appears to be} ~~is~~ ^{apparently} quite low.

Zones

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 geochemical soil sampling program. *The "Porphyry Dike" described in the 1945 report would also belong to this third type of deposit.*

My recommendations to ^{Mr.} 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 ~~pin point~~ and outline any ore shoots (~~enrichments~~) found along the vein and enable better planning for development of ore. A large number of samples for ~~pre~~ 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 ^{surface} 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 ~~but~~ Cu ~~is~~ should help to ~~point~~ ^{line} out favorable areas ~~of~~ ^{all of} disseminated sulfides. If surface sampling of ~~these~~ ^{any} anomalous areas is at all encouraging, some ~~drilling~~ 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 competent, 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~~ 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 ^{Forest Service} ~~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 Geof

2033 First Street
Baker, Oregon

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building
Portland 1, Oregon

239 S.E. "H" Street
Grants Pass, Oregon

P-23713 & P-23714
Au, Ag

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 Dec 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 Behemia

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

How far from passable road? 1 1/2 miles Name of road Puddin Rock Rd.

	Channel (length)	Grab	Assay for	Description
Sample no. 1		<u>X</u>	<u>Au, Ag</u>	<u>10 inches material on hanging wall</u>
Sample no. 2		<u>X</u>	<u>Au, Ag</u>	<u>22 inches material on hanging wall</u>

(Samples for assay should be at least 1 pound in weight)

(Signed) Guy E. Leabo

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Sample Description (1) Weathered tuff breccia. and vein material. ✓
(2) Weathered tuff breccia.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
<u>P-23713 No. 1</u>	<u>0.60</u>	<u>\$21.00</u>	<u>0.60</u>	<u>\$0.55</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>P-23714 No. 2</u>	<u>0.74</u>	<u>\$25.90</u>	<u>0.62</u>	<u>\$0.56</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Report issued _____ Card filed _____ Report mailed 12-19-58 Called for _____

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES. 1-270
292
Cory

1069 State Office Building
Portland, Oregon - 97201

REQUEST FOR SAMPLE INFORMATION

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(Please print.)

Name Mr. Guy E. Leabo Date sample is sent 5-21-64
234 N. "O" Street
Street/Box Cottage Grove, Oregon Name of property owners Guy Leabo

City _____ State _____ ZIP Code _____ Are you hiring labor? No
Milling or shipping ore? No

Name of claim sampled Iron Gulch #2

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 22 S Range 1 E Section 20 Quarter section _____
How far from passable road and name of road 1 1/2 mile

	Channel (length)	Grab	Assay for	Description
Sample No. 1	<u>Center riffle</u>		<u>Au, Ag</u>	<u>mill millings</u>
Sample No. 2	<u>Tail 10</u>		<u>Au, Ag</u>	<u>" tails</u>

(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.

(Signed) Guy E. Leabo

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Description #1 and #2 - crushed rock.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
<u>No. 1</u> <u>P-39214</u>	<u>10.97</u>	<u>\$383.95</u>	<u>15.60</u>	<u>\$21.11</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>
<u>No. 2</u> <u>P-39215</u>	<u>0.16</u>	<u>\$5.60</u>	<u>1.00</u>	<u>\$0.90</u>	<u>---</u>	<u>---</u>	<u>---</u>	<u>---</u>

Report issued _____ Card filed _____ Report mailed 5-21-64 Called for _____

SIR-5

Up Sharps Creek road to Mantin
Creek junction Then turn right up Mantin
Creek Then left at the next spur road
 $\frac{1}{2}$ mile, then turn left again at
next intersection about 2 miles, then
is 600 feet to puddin rock creek Then
turn left again through locked
gate combination to lock = 1432
then $\frac{1}{2}$ mile to parking spot then
 $\frac{1}{4}$ mile by trail to mine

REQUEST FOR INSPECTION OF PROPERTY

by

State Department of Geology and Mineral Industries

400 East I Street
Grants Pass

702 Woodlark Building
Portland

2102 Court Street
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.

Date 194

Inspection requested by:

Owner of property:

Name: *Guy E. Leabo*

Name: *Guy E. Leabo & Harry Miller*

Address: *1051 South St Cottage Grov*

Address: *1051 South St Cottage Grov*

What is property commonly called? *Iron Gulch Claims (Star Mine)*

What is your own interest in property? ~~Owner~~

Location of property:

Owner: Partner:

County: *Lone* Postoffice: *Culp Creek*

Lessee: Other:

Section: *20* Township: *23 S* Range: *1 E*

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?

FOR OFFICE RECORDS ONLY

Date request received:
Date property visited:
by:
Cost of inspection:
Total:

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?

(Harold Banta has examined property)

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

Map of workings? *none* Assay map? Mill flow sheet? Engineer's report?

How many samples have been taken and assayed?

FOR OFFICE RECORDS ONLY

Date request received. *9-29th* 1960 Date set for visit *middle of oct* 1960

Date property visited. 194 by:

Cost of inspection: Salary
Meals and Lodging
Car Mileage-cost at 4¢
Total

State Department of Geology and Mineral Industries

702 Woodlark Building
Portland, Oregon

STAR MINE (gold, silver, mercury)

LANE COUNTY
Bohemia District

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 Disston, 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 eastermost 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 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 350 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 stoppe, above tunnel level, in the middle drift.

AN oz. gold
oz. silver

2 inch sample of ~~ix~~ limonite and manganse oxide at fave 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

STAR MINE

BOHEMIA

0411

LANE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

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

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1	<u>50 feet</u>	_____	_____	<u>quartz</u>
Sample No. 2	<u>60 feet</u>	_____	_____	<u>quartz</u>

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 _____

Sample Number	GOLD		SILVER		PLATINUM			
	oz./T.	Value	oz./T.	Value				
No. 1	Trace		Trace		Nil			
No. 2	0.32	\$11.20	Trace		Nil			

Report issued _____ Card filed _____ Report mailed _____ Called for _____

STAR MINE

BOHEMIA

CO. T

LANE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORIES

REQUEST FOR SAMPLE INFORMATION

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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 NE $\frac{1}{4}$

How far from passable road 2 miles

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

	<u>Channel (length)</u>	<u>Grab</u>	<u>Pipe</u>	<u>Description</u>
Sample No. 1				<u>Concentrates</u>
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

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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-3404, mainly metallic iron, also hypersthene, magnetite, and gold (?)

Sample Number	GOLD		SILVER				TOTAL
	oz./T.	Value	oz./T.	Value			
#1	7.92	\$277.20	4.00	\$3.60			\$280.80
#2	1.76	\$ 61.60	1.95	\$1.76			\$ 63.36

Report issued _____ Card filed _____ Report mailed _____ Called for _____

STAR MINE

Bohemia District

NE $\frac{1}{4}$ 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 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

SAMPLES SUBMITTED BY: Len Ramp (DOGAMI) ADDRESS: P.O. Box 417, Grants Pass, Oregon DATE: 12/6/60

Sample No.	Mine or Prospect	Type	District	S.	T.	R.	Assay For	
UG - 319	Star Mine, Iron Gulch #1	30 inch cut	Bohemia	NE	20	23 S	1 E	Au, Ag
UG - 320	Star Mine, Iron Gulch #1	4 foot cut	"	"	20	23 S	1 E	Au, Ag
UG - 321	Star Mine, Iron Gulch #2	20 inch cut	"	"	20	23 S	1 E	Au, Ag
UG - 322	Star Mine, Iron Gulch #2	5 foot chip	"	"	20	23 S	1 E	Au, Ag
UG - 323	Star Mine, Snowshoe Claim	32 inch cut	"	NW	20	23 S	1 E	Au, Ag

Descriptions:

- UG - 319 - Taken across altered rusty gouge & fracture zone striking N. 43° W. and dipping 62° 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 S. 5° 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 in 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 dissem. 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-impregnated clay gouge and minor fractured quartz.

Results:

			GOLD	SILVER
P-26025	UG-319	.....	Nil	Nil
P-26026	UG-320	.....	0.03 (\$1.05)	Nil
P-26027	UG-321	.....	0.02 (\$0.70)	Nil
P-26028	UG-322	.....	Trace	Nil
P-26029	UG-323	.....	0.02 (\$0.70)	Nil

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

1/4/61