Humdinger, Grants Pass Josephine
Lewis

1. NAME OF PROPERTY Humdinger Mine.
2. LOCATION 23 miles South of Grants Pass Ore. ELEVATION Between 2000 or 2500
3. IN FOREST RESERVE? No. - O & C section.
4. NAME AND DISTANCE OF NEAREST RAILROAD STATION Southern Pacific - 23 miles.
5. DISTANCE FROM HIGHWAY 4 Miles from Secondary CHARACTER OF MINE ROAD Two miles Mountain Road
6. DESCRIPTION OF HOLDINGS 5 unpatented Claims.
7. NUMBER OF CLAIMS 5 NUMBER PATENTED none ACREAGE HELD approx 100
8. DESCRIBE WATER SUPPLY: (A) NAME OF STREAM none - Springs close to Mine.
   (B) HOW FAR FROM CLAIMS?
   (C) APPROXIMATE AVERAGE FLOW
   (D) POWER POSSIBILITIES Electric Power approx. 1½ miles.
   (E) AVERAGE SNOWFALL not over 6 inches WINTER TEMP.
9. WHAT POWER AVAILABLE? Electric Power NEAREST ELECTRIC POWER approx. 1½ miles
10. AMOUNT AND KIND OF TIMBER Fir & Pine.
11. NEAREST SOURCE FOR SUPPLIES Grants Pass Oregon - 23 miles.
12. WHAT IS PREVAILING ROCK FORMATION? Green stone.
13. WHAT OTHER ROCKS ARE PRESENT? Limestone.
14. IS THERE EVIDENCE OF FAULTING? no.
15. IS THE COUNTRY RUGGED OR FLAT? medium.
16. TYPE OF DEPOSIT Ore Chute on Vein.

DESCRIPTION OF DEPOSIT:
(A) EXPOSURE ON STRIKE From 2 to 7 feet.
(B) DIRECTION OF STRIKE North.
(C) DIP, ANGLE AND DIRECTION Approx. 80 to the East.
(D) AVERAGE WIDTH 4 feet.

17. WHAT METALS, IN THE ORDER OF THEIR IMPORTANCE? Gold & Silver.
18. REPRESENTATIVE ASSAYS From $5.00 to $200.00.
19. DEVELOPMENT WORK (NATURE, AMOUNT AND DEPTH) approx. 300 feet Tunnel. See attached Sketch of Workings.
20. ORE RESERVES, IF ANY, ESTIMATE TONNAGE

COPY COPY

REVISED SUMMARY OF ORE BLOCKS. Oct.5,1930.
HUNDINGER MINE.

Oxidized ores.			Sulphide ores.			Total.		
Tons.	Avg Val.	Total Value.	Tons.	Avg. Val.	Total Value.	Tons.	Avg. Val.	Total Value.
Block A.								
1465	$7.81	$11,225,85.	4427	$16,81	$74,417,67.	5864	$14.65	$85,643,72.
Block B.								
1176	17.43	28.796,94.	9786	9,74	95.315,64.	10964	11,32	124,112,48.
Block C.								
300	17,43	5,229,00		none		300	17,43	5,225,00.
Block D.								
	none		3182	11,64	37,038,48.	3182	11,64	37,038,48.
2915.	$15.52.	$45,251,69.	17395.	$11.88.	$206,771,99.	20310.	$12,48.	$252,023,68.

Summary:

Oxidized ores, 2915 tons @ 15.52 ____ $45,251,69.
Sulphide ores, 17395 " 11.88 ____ 206,771,99.

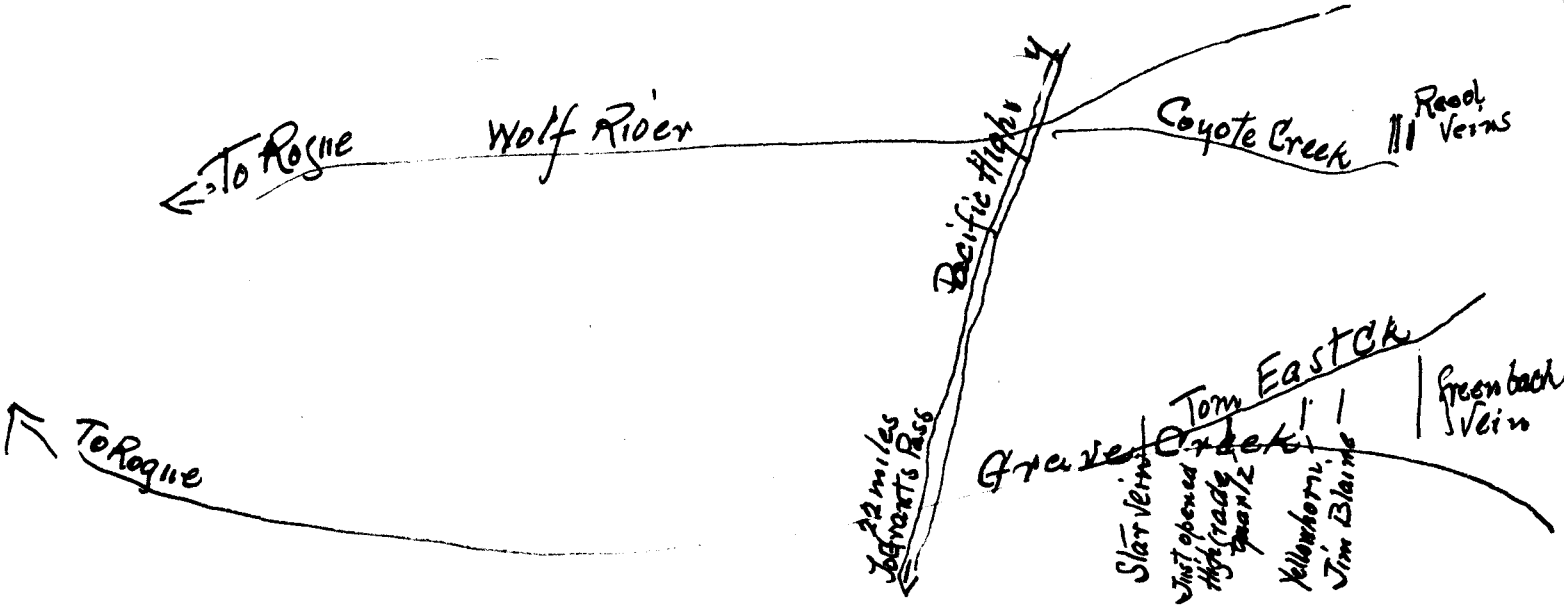
Mine total, 20,310. 12.48 ____ 252,023,68.

GOLD QUARTZ IN S. W. OREGON.

The tributaries of the Rogue river have been prolific producers of gold since 1852, and while much of this has been brought in from Northern California, by an ancient high level river, the channel of which has been cut by more recent streams, there is considerable evidence that recent streams have, by erosion, cutting the numerous quartz veins, supplied a goodly quantity of gold. These veins have the reputation of being pockety, and pockets have been very profitable while they lasted.

One of these veins however, after phenomenally rich surface ore, developed a well defined ore shoot about 600 ft. long, which was worked to a depth of 800 ft. and yielded $2,800,000.00. This was the Greenback, at the headwaters of Grave Creek. This ore shoot lay between Grave Creek and Tom East Creek, a tributary. The latter has produced well in placer gold, and at present is being worked, with a yield of 50 to 60¢ per cubic yard this year.

North of this is Coyote Creek, a tributary of Wolf Creek, which with Grave Creek flows into the Rogue. A low pass separates Tom East from Coyote Creek - the distance being 1500 feet. Lining up fairly well with the Greenback vein which has just been described, are two veins of promise - one 36" wide has 50 feet of tunnel, the other 5' to 30' wide, is opened by cuts only.



The owner of this property was out with me about Christmas time, when we planned a visit to his claims, but a very heavy rain rendered the road tricky and we turned back. Again on the first of February, I spent a day with him and planned to see his property on the following day, but I was summoned north by wire. I therefore got his story by questioning, as follows: -

"Has five claims, 20 acres each - Auto road to property. There is flowing water, which however dries up in summer. For this storage can be obtained.

Strike, dip and formation identical with that of Greenback, but rocks perhaps more altered. Blue Ledge is 36" wide at face of 50' tunnel. Big ledge is 5 to 30 feet wide - not all quartz. They are parallel 130 ft. apart. Picked up 3 abandoned stamps and moved them on the property, but had no concentrator. Put 1000 pounds from Blue Ledge through the mill and cleaned up $7.00 gold ($14.00 free per ton). There was sulphide - panned some tailing and got $136.00 gold per ton. Do not know what this will add to value. Milled three tons from Big ledge, where it was 8 ft. wide; got $4.25 per ton off plates. Milled four tons from 20 ft. width and got $2.60 per ton free. Made no test of concentrated. There was lots of it.

Elevation of hill above me about 700'. 800 ft. of tunnel will tap Big ledge with 450' of backs."

Reed is a man of over 50 years, whose father came in to Grave Creek in 1860. He has mined both placer and quartz for 40 years in that section, is no fool, and I judge honest and conservative, stating facts as he sees them.

Asked for price and terms on his property, he says - "$16,000. cash 60 days" or "$25,000. by option with $2000. cash." I asked him if he would give me four months before paying anything on account of purchase, and suggested that I put him on as working foreman during that period. To this he agrees, adding that with the exposures, in four months the property can be put in shape to support a small pilot mill.

Time could be extended

Should this prove the case, I should be inclined to install a Lane slow speed mill and small flotation unit, which could be installed for about $20,000.00. With an ore in which the gold is free in large proportion, such a mill would do excellent work at low cost. The mill proper will cost $4,800.00 f.o.b. Los Angeles. It will cost about $1000.00 to make a thorough examination of the property. Possibly less.

It is reached in 25 miles north of Grants Pass by the Pacific highway, plus six miles fair road up Coyote Creek.

Donald R. Keeley

L a L

If you are interested in this please write Keeley direct on the matter. His address is 1316 Alberni St. Vancouver BC.

KL Mar 22/21.

TACOMA PLANT

Tacoma, Washington,
March 25, 1931.

MEMORANDUM FOR SETTLEMENT DESK:

Mr. H. H. Lotz has agreed to ship about two cars of ore per week of 50 tons each from the Continental Mine in the vicinity of Myrtle Creek, Oregon. He anticipates the ore will contain .6 ounce gold and 60% silica or better. Verbally I gave him the following rate, which might be called a development rate to see what he can do for the next few months:

GOLD: Pay for all of the gold at $19.00.

SILVER: Pay for 95% of the silver at the Handy & Harman New York quotation as transmitted to us by the Western Union Telegraph Company, on the date of arrival of the ore at our Plant, with a minimum deduction of one-half ounce silver per ton of ore.

BASE CHARGE: $2.10 per ton, F.O.B. our Plant.

Over .65 Oz. Au. increase treatment $1.00 for each .15 oz. increase. Maximum $4.50 anything up to $25.00 ore.

AHR:GS

A. H. RICHARDS

cc LALevensaler

FILE MEMORANDUM:

Mr. Lotz's estimated costs:

Trucking	$1.50	per ton
Freight	3.35	" "
	$4.85	" "
4% moisture		
Trucking & freight per dry ton	$5.05	
Mining cost	3.25	
Total	$8.30	
Smelter Pay	9.30	
Mr. Lotz's profit------	$1.00	

Pay:		100% Value:
Au .6 @ $19	$11.40	Au .6 @ $20.6 12.3
Less base	2.10	
	$ 9.30	Margin $ 3.06
Full Costs:		
Smelting	$ 2.38	
Roasting	.42	
Cu Loss	.62	
Interest	.14	
	$ 3.56	
Loss	$ .50	

It is said there is 1% Cu. If so margin will be increased $1.60

FIELD REPORT ON CHIEFTAIN MINE.

O-o-o-o-o-o-o-o-o-o-o-O

SUMMARY.

With adequate equipment and management that will correctly interpret the geologic data as encountered, the Chieftain Mine offers an opportunity for profitable operation, and should pay good interest on the money invested. The problems to be encountered are geologic and managerial. The enrichments are both frequent and of fair size. The metallurgy is simple and operating conditions excellent. The data from which the above conclusions are drawn are incorporated in the following report.

GENERAL:

The Chieftain Mine is situate in Section 20, Township 29 South, Range 3 West of the Willamette Meridian in Douglas County, Oregon and consists of 43 acres of patented land. Access to the property is simple, it being 12 miles east of the town of Myrtle Creek, Oregon and 1/4 mile from the County road. No hills of any consequence are encountered. There is an abundance of wood and water on the property and the general physical conditions for operation are excellent. The title is clear and the only encumbrance is a $2500.00 mortgage against the ground. The equipment on the property consists of car and

face of the lower tunnel which is 650 feet more

complete assay equipment and our ore bins erected preparatory to putting in a small pilot plant.

HISTORY.

The Chieftain mine was originally opened up about 1900 and several shipments of high grade ore were made at that time. Then the property changed hands and a mill was erected which was metallurgically unsuited to treat the character of ore encountered in this district and the recovery was negligible. However, these new operators received about $200,000.00 from the shipment of high grade ores to the smelter. Bad management, unsuitable metallurgy and incorrect geologic deductions caused the abandonment of the property until the time we took over the property. As soon as the Chieftain Mining Company took over the property we have cross cut on the lower tunnel and picked up the downward extension of the so-called vein and developed it for about 150 feet. We have shipped 12½ tons of ore to the A. S. & R. Smelter at Selby which netted us $1042.00. We have just shipped another small carload to the Smelter at Tacoma and the ore was not of such high grade, our net return being $325.00 on 19 tons. We have however a considerable tonnage of probable ore which can be handled at a profit if concentrated and our present plans include the erection of a small concentrator using flotation as a metallurgical process. Mechanical concentration has proven unsatisfactory on the character of ore encountered here, the values lying chiefly in the tellurium compounds, the characteristic of which is a float condition and tables and vanners do not give a very satisfactory recovery.

GEOLOGY.

The formation is a dark basic rock having a granetic

texture, classified by Dillard of the U. S. Geologic Survey as a meta-gabbro. The ore occurs along a shear which can be traced over a length of two miles running in an easterly and westerly direction. Along this shear there are two mines which have produced in the past, the Chieftain and the Continental which lies 2500 feet to the west on the same shear. The ore occurs in a quartz along this shear and consists of pyrites of both iron and copper, intimately mixed with finely disseminated sylvanite and petzite, some nice specimens of tellurium ores being encountered at various times. Of 13 samples taken of our various sulphides, every one gave a tellurium reaction in their qualitative analysis. The ore has a thickness of from six inches to several feet, opening out into a lenticular bodies which are faulted both on the strike and dip. The faulting as noted to date, without exception, has been post mineral movement. Tellurium compounds require a high temperature for their deposition and this fact would indicate that the ores encountered in the Chieftain mine are of primary origin. The oxidized zone is almost negligible, a few feet in depth showing the primary sulphides. The oxidized ores on the surface carry roughly the same values that the primary sulphides carry, there being as far as our exploration work takes us at the present time no secondary enrichments. This fact would lead us to believe that the erosion has not been extensive and consequently we are nowhere near the root of our ore body. Seeing that the mass formation is a basic flow with a very persistent shear running through it, cutting this formation and the character of the ore demanding a high temperature for its deposition, it is possible that there

is an intrusion which has not had force enough to show either on the surface or at the depth of any of the present workings which caused the break along which the present ore is deposited and that further exploration at depth will possibly uncover this intrusion and it is to be expected that larger and more continuous ore bodies will be encountered near this dike. Development to a greater depth offers some interesting possibilities.

COMMENTS.

Maps both in plan and longitudinal section showing the extent of the present workings with stopes and probable ore tonnages are inclosed to accompany this report.

Dated, March 11th, 1931.

Respectfully submitted,

Edward Lano.

P.S. Tonnages from various stopes as shown on long" section are tonnages shipped to smelter. not milled. E.L.

HUMDINGER MINE LOWER APPLE JOSEPHINE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORY

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 C. W. Dean

Post office address 102 West Burgess, Grants Pass, Oregon

Are you a citizen of Oregon yes Date on which sample is sent January 24, 1950.

Name (or names) of owners of the property Same

Name of claim sample obtained from Humdinger

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County Josephine Mining district Lower Applegate

Township 38 S Range 5 W Section 21 Quarter section

How far from passable road Road to property from Williams Creek Road

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

	Channel (length)	Grab	Pipe	Description
Sample no. 1	18 in.			
Sample no. 2				

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

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) C. W. Dean

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

Description Gray quartz containing disseminated sulphides including pyrite, chalcopyrite and galena.

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T	SILVER Value				
P-9593	5.37		11.00					

Report issued Card filed Report mailed Called for

SIR-5

HUMDINGER MINE LOWER APPLE JOSEPHINE

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORY

REQUEST FOR SAMPLE INFORMATION

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Your name in full W. B. Barton

Post office address Box 70, Grants Pass, Oregon

Are you a citizen of Oregon yes Date on which sample is sent March 24, 1950

Name (or names) of owners of the property Bill Robertson, W. B. Barton, C. W. Dean, V. Hull.

Name of claim sample obtained from Humdinger

Location of property or source of sample (describe as accurately as possible below):
(If legal description is not known, give location with reference to known geographical point)

County Josephine Mining district Lower Applegate

Township 38 S. Range 5 W. Section 21 Quarter section

How far from passable road Road to property from Williams Creek Road

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

	Channel (length)	Grab	Pipe	Description
Sample no. 1		X		
Sample no. 2		X		

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

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) W. B. Barton

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

Description #1 & #2--Gray quartz with considerable pyrite. A minor amount of galena is present in sample #2.

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T	Value				
P-9740	4.08	$142.80	21.00	$19.00				
P-9741	5.31	$185.85	20.50	$18.55				

Report issued Card filed Report mailed Called for

SIR-5

6/46

Bumdinger
NAME

OLD NAMES

Gold
PRINCIPAL ORE

MINOR MINERALS

38 South T 5 West R 21-16 S

....Josephine..... COUNTY

....Lower Applegate..... AREA

..... ELEVATION

..... ROAD OR HIGHWAY

.25 miles from Grants Pass. DISTANCE TO SHIPPING POINT

PUBLISHED REFERENCES

Oregon Metal Mines Hdbk. 14-C Vol.II Sec.1
U.S.G.S. 850-B pp.48
Petrology and Mineral Resources of Jackson & Josephine Counties, Oregon; A.N. Winchell.

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) ..Mrs. M. E. Butcher.....

.....

.....

.....

Address .....San Francisco, California.....

.....

.....

.....

.....

OPERATOR George H. Shan, Williams, Oregon.....

Name of claims	Area	Pat.	Unpat.

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

MI-21

Josephine County
Lower Applegate District

Name: Humdinger Mine

Owner: Mrs. M. E. Butcher, San Francisco, Calif.
Under option to George H. Shan, Williams, Oregon.

For description of this mine, see Page 38 of Bulletin 830 B.

Informant: J. E. Morrison.

13 -Humdinger Mine

NW¼ sec. 21 & SW¼ sec 16, T. 38 S., R. 5 W.

Pyrite
Quartz
Pyrrhotite
Sphalerite
Chalcopyrite
SEricite
Galena
Gold
Telluride ?
Calcite
Anglesite

Lorner Applegate

Parks + Swartley (1916) - p. 125

Humdinger Mine -

"The Humdinger Mine, 12 mile south of Grants Pass, in about Sec. 21, T. 38S., R. 5W., and very near the Rising Star mine, is owned by Scroggins and Mascall. The country rock is granulite and argillite. An adit extends N75°W 40 feet on a small vein of quartz which dips 70° N.E. The quartz is high grade gold ore in places. Work in progress in 1913 was near the surface.

HUMDINGER MINE
(Gold)

Lower Applegate Area
Josephine County

Owner: Mrs. M. E. Butcher, San Francisco, California

Operator: Under option to George H. Shan, Williams, Oregon

History: "The claims of the Humdinger Mine are in the NW¼ sec 21 and the SW¼ sec 16, T. 38 S., R. 5 w., near the head of a gulch tributary to Williams Creek. The mine is 4 miles west of Williams and 23 miles south of Granst Pass. Ore was discovered on the property 20 to 30 years ago, and work was done near the present mine, but the excavations made at that time are not now accessible. A Mr. Butcher and associates located the property in 1912 and did some work. In 1925 A. W. Constans and George Pike procured a lease, erected a small 2-stamp mill, and ran what is known as the mill tunnel. In 1926 Mr. Constans bought an interest in the mine, and in November, 1929, the property was sold to D. H. Ferry, who has since, as the result of continued work, developed a considerable body of gold ore. The more recently worked vein is said to have been discovered in 1929 at a spring near the portal to the No. 2 tunnel."

The mine was active, in a small way during the 1939-1940 season. In 1941 J. C. McDonald and Mr. Grant leased the mine from Mrs. Butcher and sampled the property.

Reference: Shenon 32:48 (quoted)

TG-94 & 95
Au, Ag

STATE DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES

2033 First Street
Baker, Oregon

1069 State Office Building
Portland 1, Oregon

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

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 N. V. Peterson (DOGAMI)

Street or P.O. Box P.O. Box 417 City & State Grants Pass, Ore.

Are you a citizen of Oregon? Yes Date on which sample is sent 5/7/59

Name (or names) of owners of the property

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

Name of claim sample obtained from Humdinger Mine

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

County Josephine Mining District Lower Applegate

Township 38S Range 5W Section 21 Quarter section NW¼

How far from passable road? 1½ miles Humdinger Mine Rd. Name of road West Side Water Dep.

	Channel (length)	Grab	Assay for	Description
Sample no. 1	3'		Au, Ag	#1 drift #2 raise
Sample no. 2		X	Au, Ag	Face of #1 Drift

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

(Signed) N V Peterson

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

Sample Description #1 Quartz and chloritic gouge material with pyrite limonite+
#2 - Thin quartz with abundant pyrite, arsenopyrite(?)

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value				
P-24095 TG-94	0.40	14.00	2.20	1.99	—	—	—	—
P-24096 TG-95	1.12	39.20	4.70	4.25	—	—	—	—

Report issued Card filed Report mailed Called for

SIR-5

Humdinger Mine AEG - 30 Au, Ag

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
1069 State Office Building - Portland, Oregon 97201

REQUEST FOR SAMPLE INFORMATION

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N. V. Peterson
P.O. Box 417
Grants Pass, Oregon 97526

Please print your name and address in space above

Date sample is sent: 3/3/70

Name of claim sampled: Humdinger Mine

Name of property owners George Slade

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

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

County Jackson Mining district Upper Applegate

Township 38 S Range 5 W Section 21 Quarter section NE/NW

How far from passable road and name of road road to mine

	Channel (length)	Grab	Assay for	Description
Sample No. 1		x	Au,Ag	
Sample No. 2				

(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) N. V. Peterson

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

Description Table concentrates mainly pyrite.

Sample Number	GOLD oz./T.	GOLD XXXXX	SILVER oz./T.	SILVER XXXXX				
P-34536 AEG-30	4.58	- -	16.05	- -	- -	- -	- -	- -

Report mailed 3-12-70

KG-56
Au, Ag

STATE OF OREGON DEPARTMENT OF GEOLOGY AND MINERAL INDUSTRIES
ASSAY LABORATORY

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 H. D. Wolfe

Post office address Box 417, Grants Pass, Oregon

Are you a citizen of Oregon yes Date on which sample is sent March 16, 1950

Name (or names) of owners of the property W. S. Robertson, W. B. Barton, C. W. Dean & V. E. Hull

Name of claim sample obtained from Humdinger Mine

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

County Josephine Mining district Lower Applegate

Township 38s Range 5w Section 21 Quarter section NW¼

How far from passable road and name of road 1½ mile from Williams Creek Road

	Channel (length)	Grab	Assay for	Description
Sample no. 1		x	Au, Ag	Grab sample from dump-represents ore
Sample no. 2				from 100' up inclined raise in No. 2 tunnel.

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

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. D. Wolfe

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

Description Gray quartz with disseminated sulphides - pyrite, pyrrhotite and galena dominant.

Sample number	GOLD oz./T.	GOLD Value	SILVER oz./T.	SILVER Value				
P-9719 KG-56	0.20	$7.00	Trace	- - -	- - -	- - -	- - -	- - -

Report issued _____ Card filed _____ Report mailed 3-27-50 Called for _____

SIR-5

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION
- RECORD NO..... M061088
- RECORD TYPE..... X1M
- COUNTRY/ORGANIZATION. USGS
- DEPOSIT NO..... ODGMI 100-319
- MAP CODE NO. OF REC..

REPORTER
- NAME..... JOHNSON, MAUREEN G.
- UPDATED..... 81 03
- BY..... FERNS, MARK L. (BROOKS, HOWARD C.)

NAME AND LOCATION
- DEPOSIT NAME..... HUMDINGER
- MINING DISTRICT/AREA/SUBDIST. LOWER APPLEGATE
- COUNTRY CODE..... US
- COUNTRY NAME: UNITED STATES
- STATE CODE..... OR
- STATE NAME: OREGON
- COUNTY..... JOSEPHINE
- DRAINAGE AREA..... 17100309 PACIFIC NORTHWEST
- PHYSIOGRAPHIC PROV..... 13 KLAMATH MOUNTAINS
- LAND CLASSIFICATION..... 01

QUAD SCALE	QUAD NO OR NAME
1: 62500	GRANTS PASS

LATITUDE	LONGITUDE
42-16-02N	123-17-55W

UTM NORTHING	UTM EASTING	UTM ZONE NO
4679267.2	475378.4	+10

- TWP..... 38S
- RANGE.... 05W
- SECTION.. 21
- MERIDIAN. W.M.

LOCATION COMMENTS: N 1/2

COMMODITY INFORMATION

OCCURRENCE(S) OR POTENTIAL PRODUCT(S):
POTENTIAL.....
OCCURRENCE..... PB CU ZN

ORE MATERIALS (MINERALS,ROCKS,ETC.):
FREE GOLD, PYRRHOTITE, PYRITE, SPHALERITE, GALENA, ARSENOPYRITE, CHALCOPYRITE, TETRADYMITE (BISMUTH TELLURIDE)

COMMODITY SUBTYPES OR USE CATEGORIES:
1.867 AU:AG

COMMODITY COMMENTS:
VALUES VARIABLE BUT INCREASE WITH SULFIDE CONTENT

ANALYTICAL DATA(GENERAL)
ASSAYS - OXIDIZED ORE - 0.40 OZ AU & 2.2 OZ AG; UNOXIDIZED? 1.12 OZ AU, 4.70 OZ AG

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 8
PRESENT/LAST OWNER..... GEORGE SLADE, MEDFORD OREGON (1975)

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:
COMPOSITE FISSURE VEIN *
FORM/SHAPE OF DEPOSIT: MULTIPLE, BRANCHING VEINLETS

SIZE/DIRECTIONAL DATA
SIZE OF DEPOSIT..... SMALL
MAX WIDTH..... 9 FT
STRIKE OF OREBODY.... NW
DIP OF OREBODY..... 60NE

DESCRIPTION OF WORKINGS
DEPTH OF WORKINGS BELOW SURFACE. 138 FT

COMMENTS(DESCRIP. OF WORKINGS):
1200 FEET ON THREE LEVELS

PRODUCTION
YES
SMALL PRODUCTION

ANNUAL PRODUCTION (ORE,COMMOD.,CONC.,OVERBURD.)

ITEM	ACC	AMOUNT	THOUS.UNITS	YEAR	GRADE,REMARKS

SOURCE OF INFORMATION (PRODUCTION).. USBM

PRODUCTION COMMENTS.... MOST PRODUCTION 1900'S; NO GOOD RECORD

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... GREENSTONE ARGILLITE

PERTINENT MINERALOGY..... GANGUE; QUARTZ CHLORITE, CALCITE & APOPHYLLITE, DIOPSIDE & ADULARIA

LOCAL GEOLOGY
NAMES/AGE OF FORMATIONS,UNITS,OR ROCK TYPES
1) NAME: APPLEGATE GROUP
AGE: PERM-TRI

SIGNIFICANT ALTERATION:
SERICITE

GENERAL COMMENTS
RECORD NUMBER (MO13422) HAS BEEN MERGED WITH THIS RECORD AND DELETED FROM THE OREGON FILE.

GENERAL REFERENCES
1) RAMP, L. AND PETERSON, N.V., 1979, GEOLOGY AND MINERAL RESOURCES OF JOSEPHINE COUNTY, OREGON; ODGMI BULL. 100
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2) BROOKS, H.C. AND RAMP, L., 1968, GOLD AND SILVER IN OREGON; ODGMI BULL. 61, P. 256
3) OREGON METAL MINES HANDBOOK, 1942, ODGMI BULL. 14-C, VOL. 2, SEC. 1, P. 157
4) LOWELL, W.R., 1942, THE PARAGENESIS OF SOME GOLD AND COPPER ORES OF OREGON; ECON. GEOL. VOL. 37, PP. 557-595
5) SHENNON, P.J., 1933, GEOLOGY OF THE ROBERTSON, HUNDINGER, AND ROBERT E. GOLD MINES, SOUTHWESTERN OREGON; U
BULL. 830-B, P. 51