

State Department of Geology and Mineral Industries

1069 State Office Building
Portland 1, Oregon

JUL 2 1968
STATE DEPT. OF GEOLOGY
& MINERAL INDU.

CASEY PROSPECT - Gold, Silver, Lead

Jackson County
Jacksonville Area

Owner: Charles F. Casey
Route 1 Box 448, Talent, Oregon
Deeded land.

Location: The Casey prospect is about 5 miles southeast of Talent on a south facing slope along the North Fork Anderson Creek in the extreme SE $\frac{1}{4}$ of sec. 31 and the extreme SW $\frac{1}{4}$ of sec. 32, T. 38 S., R. 1 W. The prospect can be reached via the Anderson Creek road and the North Fork Anderson Creek road.

Development: The prospect has been explored by an inclined shaft about 30 feet long, an open cut 40 feet long and 10 feet wide and various other small trenches and holes.

Geology: Bedrock in the immediate vicinity are metamorphosed volcanic and sedimentary rocks of the Applegate group (Wells, 1956). The rocks are generally green in color, fine-grained, with a schistose structure. Interbedded white to gray quartzites are also present. The predominant strike is about N. 45° W. with moderate to steep dips to the NE. Sparse to common narrow quartz veins parallel the predominant structure.

In the inclined shaft which is about 1000 feet northwest of the Casey cabin at about 2800 feet elevation a quartz vein that varies from 3 inches to 18 inches wide has been explored for about 25 feet. This vein strikes N. 45° W. and dips about 50° to the east. The grayish iron-stained quartz contains small amounts of pyrite and galena. The footwall is a massive green meta-volcanic rock that also carries abundant disseminated pyrite near the vein.

CASEY PROSPECT
Jackson County, Jacksonville area

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Around the hill about 200 yards to the east and up at about 2900 feet elevation a narrow quartz vein and shear zone has been explored by an open cut 40 feet long and 10 feet wide. This vein, which varies from 2 to 8 inches wide and the shear zone on either side strike N. 30° W. to N. 40° W. and dip 60° to the northeast. Here the rocks are contorted sandstones and siltstone that grade into quartzite and phyllite.

Below the trench about 200 feet a small hole exposes an iron-stained light-colored quartzite(?) or meta-rhyolite(?) that contains abundant disseminated pyrite (cubes up to $\frac{1}{4}$ ").

Samples from the vein in the inclined shaft (UG-85 & UG-103) and from the iron-stained meta-rhyolite (UG-104) were submitted for assay. Results as follows:

	$\frac{\text{Au}}{\text{oz./T.}}$	$\frac{\text{Ag}}{\text{oz./T.}}$	$\frac{\text{Co}}{\%}$	$\frac{\text{Pb}}{\%}$
UG- 85	0.05	0.30	Nil	0.20
UG-103	0.04	Nil		
UG-104	0.01	Nil		

Visited: 5/12/60 (P.M.) N.V.P. & L.R.

Report by: H. V. Peterson

Informant: Charles F. Casey.

Reference: Wells & others - Geology of Medford Quad., 1956.

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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, Oregon

Are you a citizen of Oregon? Yes Date on which sample is sent 5/13/60

Name (or names) of owners of the property Charles F. Casey

Are you hiring labor? _____ Are you milling or shipping ore? _____

Name of claim sample obtained from Casey Prospects

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 Jacksonville Ashland

Township 38 S Range 1 W Section 31-32 Quarter section SE 31; SW 32

How far from passable road? 100' to 100 yds. Name of road N. Frk. Anderson Creek Rd.

	Channel (length)	Grab	Assay for	Description
Sample no. 1		<u>x</u>	<u>Au, Ag</u>	<u>quartz from inclined shaft</u>
Sample no. 2		<u>x</u>	<u>Au, Ag</u>	<u>from open small cut</u>

(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 - Iron-stained vein quartz, lime & sericite on fractures.
#2 - Meta-rhyolite(?) or meta-tuff(?) with fine disseminated pyrite. ✓

Sample number	GOLD		SILVER					
	oz./T.	Value	oz./T.	Value				
P-25195 UG-103	0.04	\$1.40	Nil	--	---	---	---	---
P-25146 UG-104	0.01	\$0.35	Nil	--	---	---	---	---

Report issued _____ Card filed _____ Report mailed 6-2-60 Called for _____

sent 6/6/60 *copy to C.F. Casey*
~~*Send copy to Bob Burns & L.A. Bratcher*~~ SIR-5

CRIB MINERAL RESOURCES FILE 12

RECORD IDENTIFICATION

RECORD NO..... M061956
RECORD TYPE..... X1M
COUNTRY/ORGANIZATION. USGS
MAP CODE NO. OF REC..

REPORTER

NAME..... SMITH, ROSCOE M.
DATE..... 78 08
UPDATED..... 81 01
BY..... FERNS, MARK L.; (BROOKS, HOWARD C.)

NAME AND LOCATION

DEPOSIT NAME..... CASEY

MINING DISTRICT/AREA/SUBDIST. JACKSONVILLE

COUNTRY CODE..... US
COUNTRY NAME: UNITED STATES

STATE CODE..... OR
STATE NAME: OREGON

COUNTY..... JACKSON
DRAINAGE AREA..... 17 ROGUE RIVER
PHYSIOGRAPHIC PRDV..... 13 KLAMATH MOUNTAINS
LAND CLASSIFICATION..... 00

QUAD SCALE QUAD NO OR NAME
1: 62500 TALENT

LATITUDE LONGITUDE
42-12-56N 122-51-08W

UTM NORTHING UTM EASTING UTM ZONE NO
4673500. 512200. +10

TNP..... 385
RANGE..... 01W
SECTION.. 32
MERIDIAN. WB & M

LOCATION COMMENTS: SW COR

*Jacksonville
District*

COMMODITY SPECIALIST INFORMATION:

SPECIAL FIELD 3 VEINS

ORE MATERIALS (MINERALS, ROCKS, ETC.):
PYRITE, GALENA

COMMODITY SUBTYPES OR USE CATEGORIES:
0.17 AU:AG

ANALYTICAL DATA (GENERAL)
SAMPLE ASSAYED 0.05 OZ/TON AU; 0.3 OZ/TON AG; 0.2 % PB

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 2

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

VEIN

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX THICKNESS..... 18 IN
STRIKE OF OREBODY.... N45W
DIP OF OREBODY..... 50E

DESCRIPTION OF WORKINGS

COMMENTS (DESCRIP. OF WORKINGS):
SHAFT 30, CUT 10X40, TRENCHES, PITS

PRODUCTION

NO PRODUCTION

23 SAMPLE - 1960 0.05 AU, 0.3 AG, 0.2 PB

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... PERM-TRI
HOST ROCK TYPES..... QUARTZITES, SILICIC METAVOLCANICS, METARHYDLITE
IGNEOUS ROCK TYPES..... METAVOLCANICS

PERTINENT MINERALOGY..... QUARTZ

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: APPLGATE GROUP