

White Swan

Gypsum

440

NAME

OLD NAMES

PRINCIPAL ORE

MINOR MINERALS

105

17E

5 1/2 28

T

R

S

PUBLISHED REFERENCES

Cook

..... COUNTY

Ochoa

..... AREA

..... ELEVATION

MISCELLANEOUS RECORDS

..... ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

PRESENT LEGAL OWNER (S)

Address

OPERATOR

Name of claims Area Pat. Unpat.

Name of claims Area Pat. Unpat.

EQUIPMENT ON PROPERTY

State Department of Geology and Mineral Industries

1069 State Office Building
702 Woodlark Building
Portland 3, Oregon

WHITE SWAN PROPERTY (Gypsum)

Ochoco District
Crook County

Location:

South $\frac{1}{2}$ sec. 28, T. 18 S., R. 17 E. on ridge NE of Scott's ranch just west of Saddle.

Owners:

Claims owned by W. A. Beaver, E. L. Burchard of Bend, and others.

Economics:

The extent of the deposit is great enough so that if the gypsum content should prove to be high enough for its use as a land plaster or fertilizer, or if the metallurgical problem of mechanically segregating the pure mineral can be cheaply solved, it might be of some value.

General:

A shaft 47 feet deep has been dug in a white tuff impregnated with numerous veinlets of crystalline gypsum. The last 8 feet of the shaft penetrated highly pyritized blue clay. This zone apparently runs many hundred feet to the northeast and southwest and is a secondary deposit of gypsum derived from the sulphide. The rock material is very soft and breaks down to fines upon weathering. The gypsum may make up as much as 10 percent by weight, occurring in veinlets up to one inch thick and in radiating crystalline aggregates, rosettes and fishtails, up to 8 inches in diameter.

Report by: John Eliot Allen

Date: April 8, 1939

Sample Site Computer Input Form

Sampler's name

J G R A Y

Year
28 29
8 4

Month
30 31
0 7

Day
32 33
2 4

T 35 36
1 8 S

R 37 38
1 7 E

Sec. 39 40
2 8

Subsections: 1st 41 9 2nd 42 9 3rd 43 7

Study Area # 45 49
5 1 6 1 0

Field # 71 78
P 0 3 9 2 R 0 1

Card # 79 80
2

(Crook=013, Jefferson=031)

Lab #

1 8

UTM-E 14 19
0 8 2

UTM-N 21 27
4 8 7 1

State 30 31
4 1

County 32 34
0 1 3

Formation name

36 59

(continues next line)

60 70

Field # 71 78
P 0 3 9 2 R 0 1

Card # 79 80
3

Material class 11
A

Sample type 12
A

Sample source 13
D

Rock type 14
X

Igneous form 15

Structural setting 16

Matrix 17
A

Oxidation state 19
A

Alteration 20
C

Ore minerals 21

Mineral deposit form 22

Geologic age 24

Rock name 25 26
J S

Code 27

Quad name 28 29 30 35 36 37 38 39 60 61 62 63 64 65
B R O T H E R S N W

Field # 71 78
P 0 3 9 2 R 0 1

Card # 79 80
5

Other Samples taken: Pan Concentrate _____
Rock Chip _____
Soil _____

WRITE COMMENTS ON BACK OF PAGE

Float samples of jasperoid and breccia were sampled

Site Computer Input Form

Sampler's name

J G R A Y

Year 8 4

Month 0 7

Day 2 4

T 1 8 S

R 1 7 E

Sec. 2 8

Subsections: 1st 4 2nd 9 3rd 9

Study Area # 5 1 6 1 0

Field # P 0 3 9 3 R 0 1

Card # 2

(Crook=013, Jefferson=031)

Lab #

UTM-E 1 8

UTM-E 14 19

UTM-N 21 27

State 4 1

County 0 3 1 3

Formation name

36 59

(continues next line)

60 70

Field # P 0 3 9 3 R 0 1

Card # 3

Material class A

Sample type A

Sample source C

Rock type

Igneous form

Structural setting B

Matrix E

Oxidation state A

Alteration E

Ore minerals

Mineral deposit form

Geologic age

Rock name

Code

Quad name B R O T H E R S N W

Field # P 0 3 9 3 R 0 1

Card # 5

WRITE COMMENTS ON BACK OF PAGE

Other Samples taken: Pan Concentrate, Rock Chip, Soil

A dump sample was taken from the White Swan Gypsum property

Sample Site Computer Input Form

Sampler's name

J G R A Y

Year 28 29 8 4

Month 30 31 07

Day 32 33 24

T 35 36 17 S

R 37 38 16 E

Sec. 39 40 36

Subsections: 1st 41 6 2nd 42 9 3rd 43 6

Study Area # 45 49 5 1 6 1 0

Field # 71 78 P 0 3 9 1 R 0 1

Card # 79 80 2

(Crook=013, Jefferson=031)

Lab #

1 8

UTM-E

14 19

UTM-N

21 27

State 30 31 4 1

County 32 34 0 1 3

Formation name

36 59

(continues next line)

60 70

Field # 71 78 P 0 3 9 1 R 0 1

Card # 79 80 3

Material class 11 A

Sample type 12 A

Sample source 13 A

Rock type 14 X

Igneous form 15

Structural setting 16 B

Matrix 17 B

Oxidation state 19 B

Alteration 20 C

Ore minerals 21

Mineral deposit form 22

Geologic age 24

Rock name 25 26 BR

Code 27

Quad name 28 29 30 35 36 37 38 39 60 61 62 63 64 65 POWELL BUTTES

Field # 71 78 P 0 3 9 1 R 0 1

Card # 79 80 5

Other Samples taken: Pan Concentrate Rock Chip Soil

WRITE COMMENTS ON BACK OF PAGE

5' sampled of road cut across from Y

Sample Site Computer Input Form

Sampler's name
 1 20
 J G R A Y
 Year 28 29: 8 4
 Month 30 31: 0 7
 Day 32 33: 2 4

T 35 36: 1 7 S R 37 38: 1 6 E Sec. 39 40: 3 5 Subsections: 1st 41: 6 2nd 42: 9 3rd 43: 6

Study Area # 45 49: 5 1 6 1 0 Field # 71 78: P 0 3 8 8 R 0 1 Card # 79 80: 2

(Crook=013, Jefferson=031)
 Lab # UTM-E UTM-N State 30 31: 4 1 County 32 34: 0 8 3

Formation name 36 59 (continues next line)

60 70 Field # 71 78: P 0 3 8 8 R 0 1 Card # 79 80: 3

Material class 11: A Sample type 12: A Sample source 13: B Rock type 14: S

Igneous form 15: B Structural setting 16: B Matrix 17: B Oxidation state 19: A

Alteration 20: B Ore minerals 21: Mineral deposit form 22: Geologic age 24:

Rock name 25 26: R Y Code 27: Quad name 28 29 30 35 36 37 38 39 60 61 62 63 64 65: P O W E L L B U T T E S

Field # 71 78: P 0 3 8 8 R 0 1 Card # 79 80: 5

WRITE COMMENTS ON BACK OF PAGE
 Rock Pit 100' x 75 was sampled around the bench
 Other Samples taken: Pan Concentrate _____
 Rock Chip _____
 Soil _____

Sample Site Computer Input Form

Sampler's name

J G R A Y

Year 28 29 8 4

Month 30 31 0 7

Day 32 33 2 4

T 35 36 1 7 S

R 37 38 1 6 E

Sec. 39 40 3 6

Subsections: 1st 41 7 2nd 42 6 3rd 43 9

Study Area # 45 49 5 1 6 1 0

Field # 71 78 P 0 3 8 9 R 0 1

Card # 79 80 2

(Crook=013, Jefferson=031)

Lab #

UTM-E

UTM-N

State

County

1 8

14 19

21 27

30 31 4 1

32 34 0 0 1 3

Formation name

36 59

(continues next line)

60 70

Field # 71 78 P 0 3 8 9 R 0 1

Card # 79 80 3

Material class 11 A

Sample type 12 A

Sample source 13 A

Rock type 14 S

Igneous form 15 C

Structural setting 16 A

Matrix 17 B

Oxidation state 19 A

Alteration 20 C

Ore minerals 21

Mineral deposit form 22

Geologic age 24

Rock name 25 26 R Y

Code 27

Quad name 28 29 30 35 36 37 38 39 60 61 62 63 64 65 P O W E L L B U T T E S

Field # 71 78 P 0 3 8 9 R 0 1

Card # 79 80 5

Other Samples taken: Pan Concentrate, Rock Chip, Soil

WRITE COMMENTS ON BACK OF PAGE

50' x 50' outcrop, stands up, 20'

Sample Site Computer Input Form

Sampler's name: J G R A Y Year: 84, Month: 07, Day: 24

T ^{35 36} 17 S ^{37 38} R 16 E ^{39 40} Sec. 36 Subsections: 1st ⁴¹ 7 2nd ⁴² 0 3rd ⁴³ 0

Study Area # ^{45 49} 51610 Field # ^{71 78} P 0889 R 02 Card # ^{79 80} 2

Lab # _____ (Crook=013, Jefferson=031)

UTM-E: ^{1 8} _____ ^{14 19} _____ UTM-N: ^{21 27} _____ State: ^{30 31} 41 County: ^{32 34} 013

Formation name: _____ (continues next line)

Field # ^{71 78} P 0889 R 02 Card # ^{79 80} 3

Material class ¹¹ A Sample type ¹² A Sample source ¹³ A Rock type ¹⁴ X

Igneous form ¹⁵ _____ Structural setting ¹⁶ B Matrix ¹⁷ A Oxidation state ¹⁹ A

Alteration ²⁰ C Ore minerals ²¹ _____ Mineral deposit form ²² _____ Geologic age ²⁴ _____

Rock name ^{25 26} BR Code ²⁷ _____ Quad name ^{28 29 30 35 36 37 38 39 60 61 62 63 64 65} POWELL BUTTES

Field # ^{71 78} P 0889 R 02 Card # ^{79 80} 5

WRITE COMMENTS ON BACK OF PAGE

Other Samples taken: Pan Concentrate _____, Rock Chip _____, Soil _____

This sample taken 200' up stream from R01. The Br. is 20' across.

Sample Site Computer Input Form

Sampler's name: J G R A Y [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] [] []
Year: 84, Month: 07, Day: 26

T 17 S R 16 E Sec. 36 Subsections: 1st 7 2nd 7 3rd 6

Study Area # 51610 Field # POWELL BUTTES 3 Card # [] []

(Crook=013, Jefferson=031)

Lab # [] [] [] [] [] [] [] [] UTM-E [] [] [] [] [] [] [] [] UTM-N [] [] [] [] [] [] [] [] State 41 County 013

Formation name [] (continues next line)

Field # POWELL BUTTES 3 Card # [] []

Material class A Sample type A Sample source A Rock type X

Igneous form [] Structural setting A Matrix A Oxidation state 1

Alteration C Ore minerals [] Mineral deposit form [] Geologic age []

Rock name JS Code [] Quad name POWELL BUTTES

Field # POWELL BUTTES 3 Card # [] []

Other Samples taken: Pan Concentrate _____ Rock Chip _____ Soil _____

WRITE COMMENTS ON BACK OF PAGE
 $\frac{1}{2}$ to 3" veinlets in Rhyolite

Sample Site Computer Input Form

Sampler's name

J G R A Y

Year 28 29
8 4

Month 30 31
07

Day 32 31
24

T 35 36 S R 37 38 E Sec. 39 40

Subsections: 1st 41 2nd 42 3rd 43

Study Area # 45 49
5 1 6 1 0

Field # 71 78
P 0391R02

Card # 79 80
2

(Crook=013, Jefferson=031)

Lab #

1 8

UTM-E 14 19

UTM-N 21 27

State 30 31
4 1

County 32 34

Formation name

36 59

(continues next line)

60 70

Field # 71 78
P 0391R02

Card # 79 80
3

Material class 11
A

Sample type 12
A

Sample source 13
A

Rock type 14
X

Igneous form 15

Structural setting 16
A

Matrix 17
B

Oxidation state 19
A

Alteration 20
C

Ore minerals 21

Mineral deposit form 22

Geologic age 24

Rock name 25 26
BR

Code 27

Quad name 28 29 30 35 36 37 38 39 60 61 62 63 64 6
POWELL BUTTES

Field # 71 78
P 0391R02

Card # 79 80
5

Other Samples taken: Pan Concentrate _____
Rock Chip _____
Soil _____

WRITE COMMENTS ON BACK OF PAGE

75' road cut sampled both sides of
RD 2

5/5 Rocks

Field No.	Lab No.	Au	Ag	As	Hg	Cu	Pb	Zn	Mo
388 "	130	L .002	.16	9	53	12	40	139	3.2
389 "	131	L .002	15	15	20	7	15	133	3.5
389-R02	132	L .002	13	3	11	11	10	193	4.8
390-R01	133	L .002	12	12	52	12	4	52	6.4
391 "	134	L .002	21	29	30	8	6	65	3.9
391-R02	135	L .002	14	10	10	12	9	135	3.1
392-R01	136	L .002	13	19	30	14	15	68	17.1
393 "	137	L .002	14	3	06	51	4	58	1.7

WHITE SWAN PROPERTY (gypsum deposit)

Location: South $\frac{1}{2}$ sec. 28, T. 18 S., R. 17 E., on ridge NE. of Scotts Ranch just west of Saddle. At this point a shaft 47 feet deep was dug in a white tuff impregnated with numerous veinlets of crystalline gypsum. The last 8 feet of the shaft penetrated highly pyritized blue clay. This zone apparently runs many hundred feet to the northeast and southwest and is a secondary deposit of gypsum derived from the sulphide. The material is very soft and breaks down to fines.

Economics: This deposit is large enough so that if the gypsum content should prove to be high enough for its use as a land plaster or fertilizer, it might be of some value.

Several other claims owned by W. A. Beaver and E. L. Burchard, of Bend, are located 200 yards to the north of the shaft. Here the impregnations of gypsum are less and the tuff dips about 15° to the west.
John Eliot Allen.

4/8/39