

RECORD IDENTIFICATION

RECORD NO..... M020175
RECORD TYPE..... XIM
INFORMATION SOURCE... 1
MAP CODE NO. OF REC..

REPORTER

NAME..... FERNS, MARK L. (BROOKS, HOWARD C.)
AFFILIATION..... DDGMI
DATE..... 81 05

NAME AND LOCATION

DEPOSIT NAME..... CALLAHAN MINE

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

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

COUNTY..... DOUGLAS
DRAINAGE AREA..... 17100302 PACIFIC NORTHWEST
PHYSIOGRAPHIC PRDV..... 13 COAST RANGE
LAND CLASSIFICATION..... 01

QUAD SCALE QUAD NO OR NAME
1: 62500 ROSEBURG

LATITUDE LONGITUDE
43-08-06N 123-29-31W

UTM NORTHING UTM EASTING UTM ZONE NO
4775700 460000 +10

TWP..... 027S
RANGE..... 007W
SECTION.. 14
MERIDIAN. WILLAMETTE

LOCATION COMMENTS: CENTER OF SECTION

COMMODITY INFORMATION

COMMODITIES PRESENT..... COA2

PRODUCER(PAST OR PRESENT):
MAJOR PRODUCTS.. COA2

Handwritten:
C
Unique Dist

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

BEDDED

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX THICKNESS..... 4 FT
STRIKE OF DREBODY.... N55E
DIP OF DREBODY..... 10NW

COMMENTS(DESCRIPTION OF DEPOSIT):

COAL SEAM RANGES FROM 20 TO 48 INCHES THICK WITH ABOUT 20 INCHES OF MINEABLE, GOOD-QUALITY BITUMINOUS GRADE

DESCRIPTION OF WORKINGS

UNDERGROUND

COMMENTS(DESCRIP. OF WORKINGS):

OVER 1000 FEET OF DEVELOPMENT IN 4 CAVED ADITS

PRODUCTION

YES

SMALL PRODUCTION

CUMULATIVE PRODUCTION (DRE, COMMOD., CONC., OVERBUR.)

ITEM	ACC	AMOUNT	THOUS. UNITS	YEAR	GRADE, REMARKS
15 COA2	EST	0000.400	TONS	1909-1942	

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... E0
HOST ROCK TYPES..... SANDSTONE AND SILTSTONE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES
1) NAME: UMPQUA
AGE: E0

GENERAL REFERENCES

1) RAMP, L., 1972, GEOLOGY AND MINERAL RESOURCES OF DOUGLAS COUNTY, OREGON; ODGMI BULL. 75, P. 91

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CALLAHAN MINE (coal)

Umpqua Unclassified area.

Coal has been known in this area since about the 1860's and has been mined, intermittently, since about 1909. Inadequate financing or lack of coal mining knowledge has handicapped development. The principal vein is narrow, but its extent, and its proximity to Roseburg, might permit operation in a small way.

Owner: Frank and Nan Dunn, Melrose, Oregon.

Location: At center $\frac{1}{4}$ corner sec. 14, T. 27S., R. 7W., and eastward as far as the $\frac{1}{16}$ corner. The property is reached from Roseburg, going west on the Melrose road as follows:

Beginning at S.P.R.R. tracks in Roseburg--0.0 miles
Melrose (straight ahead)- - - - -7.6 "
End of pavement * - - - - - 8.1 "
Gravelled road; at intersection with Doerner
road continue straight ahead a mileage of-8.7 "
Turn right toward Reston at mileage * - - 9.5 "
Continue to ramshackle stucco house on the
south that used to be a bootleggers paradise
This is on the N.-S. center line of section
11; at mileage- - - - -10.5 "
Dirt road, impassible if wet, south along
this center line $\frac{3}{4}$ miles to Callahan adit 11.3 "

Area: Total area underlain by coal, not known. All land is privately owned.

History: Mrs. Dunn's maiden name was Callahan. Her father, G.J.C. Callahan pioneered this land and they have owned it since the 1860's. She inherited the property. J. S. Diller, U.S.G.S.

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was in the area in the 1890's and was quite interested in the coal. Mrs. Dunn remembers hearing him say that the vein was narrow and that the coal was of local extent because the land had slid. (faulted?)

In 1909, J. W. Perkins and Col. Mundy leased the land and started an adit down the dip on Emery's land, about 400' - 500' north of the E - W. center line and 400' west of the east 1/16 corner on that line. This adit was to open the Callahan coal. The adit got in some 400 ft. when work was discontinued. The portal closed.

The actual mining was done by Edson (now deceased) and Geo. Carpenter, who were coal miners from Pennsylvania. After the Perkins outfit ceased work, Geo. Carpenter continued. He started an adit in the same locality but stopped because of "sulfur balls", bad roof, and water. Later he drove another adit or two, nearby. Caved portals of four adits in this immediate neighborhood were visited 11/18/42. Carpenter has also drilled the area, - results unknown.

About 12 years ago Grant Bales leased the property and several men sub-leased from him. They included Geo. Carpenter, Richard Baker, a Mr. Jovanierie, and others. An adit was started on Dunn's land (the former Callahan property) about 100ft. west of the center $\frac{1}{4}$ corner and driven up the dip. The roof was good, requiring little timber and the coal was good. No work has been done for several years and the portal is caved.

There is no way of computing tonnage. Mr. Dunn estimates that at least 400 tons of coal have been marketed.

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Development: All adits caved at the portal and workings are inaccessible. There are four adits in the vicinity of a point 400 ft. west of the SW $\frac{1}{4}$ NE $\frac{1}{4}$ corner stake. The Perkins-Mundy adit, reported as 450 ft; portal trends S. 65° W., down the dip. Carpenters adit, reported as 200 ft.; portal trends S 10° W. No data on the fourth. The Callahan adit trends S. 35° W., and goes up the dip at about 16° (?). At 200' is an air shaft, 35 ft. deep. Adit is reported as 400 ft. long.

Reports of other prospect adits are given but were not visited. Adits extend over a horizontal distance of nearly half a mile.

Equipment: None.

Geology: Country rock is Eocene Umpqua sandstone. Rock exposures are very poor but as best as can be estimated the generalized dip is about 10° N. 35° W. Farther to the west across Flournoy valley and onto Landers Lookout, dips are generally similar. Southward, in T. 28 S., structural relationships are complex with probable faulting.

The sandstone more properly should be called a graywache. Grain size is about 1 mm and grains are subangular. Presence of many water worn pebbles in the mantle rock suggests that some conglomerate is associated with the series. Fossils are found in a gulch in sec. 15, and also to the north. They are reported as oyster shells and some of them 6" - 8" long. They must be abundant as residents have burned them for local "liming" of agricultural land. The fossils indicate a marine condition of deposition.

No coal, in place, was seen. Thickness is variously reported from 20" to 48". Mr. Dunn states that the mineable coal is 20" thick

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when the bone is picked out. Samples of coal on the dump indicate that it holds up well with weathering and that it is of fair quality. The coal samples are bright and lustrous.

Coal has been prospected along the east half of the E-W center line of sec. 14, a distance of half a mile. The coal should be cut off by a deep gulch just west of the Callahan adit, but if persistent it should again be found farther west in sec. 14.

There are reports of three coal veins. Mr. Dunn has seen only two; the one mined, and a lower but very dirty vein. He states that a 6" vein was dug on by Mr. Callahan, just back of the homestead, for his own use.

Informants: Frank & Nan Dunn, Ray C. Treasher

Report by: R.C.T. 11/18/42

