

RECORD IDENTIFICATION

RECORD NO..... #020344
 RECORD TYPE..... X1M
 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..... EMPIRE MINES

MINING DISTRICT/AREA/SUBDIST. COOS BAY COAL FIELD

COUNTRY CODE..... US

COUNTRY NAME: UNITED STATES

STATE CODE..... OR

STATE NAME: OREGON

COUNTY..... COOS

DRAINAGE AREA..... 17100304 PACIFIC NORTHWEST

PHYSIOGRAPHIC PROV..... 13 COAST RANGE.

LAND CLASSIFICATION..... 01

QUAD SCALE

1: 24000

QUAD NO OR NAME

EMPIRE (1970)

LATITUDE

43-22-52N

LONGITUDE

124-16-09W

UTM NORTHING

4803700

UTM EASTING

397180

UTM ZONE NO

+10

TWP..... 025S

RANGE..... 013W

SECTION.. 20

SECTION FRACTIONS: SW 1/4

MERIDIAN. WILLAMETTE

ACCURACY OF LOCATION

ACCURATE

COMMODITY INFORMATION

COMMODITIES PRESENT..... COA

EXPLORATION AND DEVELOPMENT
STATUS OF EXPLOR. OR DEV. 6
YEAR OF FIRST PRODUCTION. 1870'S

EXPLOR. AND DEVELOP. COMMENTS:
FIRST PRODUCER

DESCRIPTION OF DEPOSIT

DEPOSIT TYPES:

SEDIMENTARY

FORM/SHAPE OF DEPOSIT:

SIZE/DIRECTIONAL DATA

SIZE OF DEPOSIT..... SMALL
MAX THICKNESS..... 3.1 FT
STRIKE OF OREBODY.... N 15 W
DIP OF OREBODY..... 70 E

DESCRIPTION OF WORKINGS
UNDERGROUND

PRODUCTION

YES

SMALL PRODUCTION

GEOLOGY AND MINERALOGY

AGE OF HOST ROCKS..... EO
HOST ROCK TYPES..... SANDSTONE AND SHALE

LOCAL GEOLOGY

NAMES/AGE OF FORMATIONS, UNITS, OR ROCK TYPES

1) NAME: COALEDD
AGE: EO

COMMENTS (GEOLOGY AND MINERALOGY):

BED IS BADLY BROKEN BY A NUMBER OF SMALL FAULTS

GENERAL REFERENCES

1) ALLEN, J.E. AND BALDWIN, E.M., 1944, GEOLOGY AND COAL RESOURCES OF THE COOS BAY QUADRANGLE, OREGON; ODGMI BUL
29, P. 114