Report #

NAME: John Hunter Coal Mine, Baker District, Baker County.

OWNERS: John Hunter, 2435 Fourth Street, Baker, Oregon; Eric Landes, Baker, Oregon.

LOCATION: 500 ft. south of railroad and highway in the southeast quarter of section 29, township 10 south, range 39 east.

AREA: Prospecting permit for 2,560 acres.

HISTORY: Discovered September 1937. No production as yet.

DEVELOPMENT: Tunnel 200 ft. long; 45 ft. inclined, horizontal for the rest of the distance.

EQUIPMENT: Blacksmith shop, mine car, and track, small hoist, a good cabin on property.

GEOLOGY: The coal ~~seam~~ seam lies between two lava flows with an overburden of several hundred ~~700 ft.~~ ft. of basalt. It dips about 25 degrees to the south, ~~on the original~~ incline following down this dip for 45 ft. There it is offset 25 ft. up by a north dipping fault. The tunnel continues on in and picks up the seam as it comes down out of the roof. A section of the coal is as follows:

~~From top to bottom~~ Basalt
4 ft. brown shale
12 ft. black carboniferous shale
7 ft. woody lignite
3 ft. black and brown soil.
1½ ft. of mixed soil and coal ~~basalt.~~
Basalt.

ECONOMICS: The coal has been tested and is said to have given 11,500 B.T.U.. Further tests are to be made. The accessability to transportation and possible market indicate that further development should be made if the coal stands up to requirements.

DATED: September 26, 1938

Informant John Hunter

J. E. Allen

6-139

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Test No. _____ G—COAL-ANALYSIS REPORT Lab. No. _____

Sample of Lignite. Sample I-1 Can No. None

Operator Prospect - J. Hunter Mine _____

State Oregon County Baker Bed Unnamed

Town 12 miles south of Baker; Sec. 29, T. 10 S., R. 39 E. WM

Location in mine 150' from portal of basalt tunnel.

Method of sampling Irregular Gross weight, lbs. _____ Net weight, grams _____

Date of sampling 1/22/39 Date of Lab. sampling 1/31/39 Date of analysis 2/1/39

B. of M. or U. S. G. S. section _____ Collector John Eliot Allen

		Coal (Air dried)	Coal (As received)	Coal (Moisture free)	Coal (Moisture and ash free)
Air-dry loss 45.3%					
Proximate Analysis	Moisture	5.2	48.1	----	----
	Volatile matter	42.4	23.2	44.7	56.6
	Fixed carbon	32.5	17.8	34.3	43.4
	Ash	19.9	10.9	21.0	----
		100.0	100.0	100.0	100.0
Ultimate Analysis	Hydrogen				
	Carbon				
	Nitrogen				
	Oxygen				
	Sulphur	.7	.4	.7	.9
	Ash				
Calorific value	Calories				
	British thermal units	8,660	4,740	9,140	11,560

Softening temperature of ash _____ ° C. _____ ° F.

Date 2/10/39 (Signed) K. A. Johnson

Chemist.

6—8404 U. S. GOVERNMENT PRINTING OFFICE: 1934

6-139

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Test No. _____ G—COAL-ANALYSIS REPORT Lab. No. _____

Sample of Lignite. Sample I-2. Can No. None

Operator Prospect - J. Hunter Mine _____

State Oregon County Baker Bed Unnamed

Town 12 miles south of Baker; Sec. 29, T. 10 S., R. 39 E. WM

Location in mine 150' from portal of basalt tunnel.

Method of sampling Irregular Gross weight, lbs. _____ Net weight, grams _____

Date of sampling 1/22/39 Date of Lab. sampling 1/31/39 Date of analysis 2/1/39

B. of M. or U. S. G. S. section _____ Collector John Eliot Allen

	Air-dry Loss 37.2%	Coal (Air dried)	Coal (As received)	Coal (Moisture free)	Coal (Moisture and ash free)
Proximate Analysis	Moisture	3.5	39.4	----	----
	Volatile matter	32.6	20.5	33.8	60.1
	Fixed carbon	21.6	13.6	22.4	39.9
	Ash	42.3	26.5	43.8	----
		100.0	100.0	100.0	100.0
Ultimate Analysis	Hydrogen				
	Carbon				
	Nitrogen				
	Oxygen				
	Sulphur	2.1	1.3	2.2	3.9
	Ash				
Calorific value	Calories				
	British thermal units	6,030	3,790	6,250	11,130

Softening temperature of ash _____ ° C. _____ ° F.

Date 2/10/39. (Signed) K. A. Johnson.

Chemist.

C—8404 U. S. GOVERNMENT PRINTING OFFICE: 1934

6-139

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF MINES

Test No. _____ G—COAL-ANALYSIS REPORT Lab. No. _____

Sample of Lignite - Sample L-3. Can No. None

Operator Prospect - J. Hunter Mine _____

State Oregon County Baker Bed Unnamed

Town 12 miles south of Baker; Sec. 29, T. 10 S., R. 39 E. WM

Location in mine 150' from portal of basalt tunnel.

Method of sampling Irregular Gross weight, lbs. _____ Net weight, grams _____

Date of sampling 1/22/39 Date of Lab. sampling 1/31/39 Date of analysis 2/1/39

B. of M. or U. S. G. S. section _____ Collector John Eliot Allen

		Coal (Air dried)	Coal (As received)	Coal (Moisture free)	Coal (Moisture and ash free)
Air-dry Loss 20.7%					
Proximate Analysis	Moisture	2.6	22.8	----	----
	Volatile matter	27.3	21.6	28.0	61.2
	Fixed carbon	17.3	13.7	17.8	38.8
	Ash	52.8	41.9	54.2	----
		100.0	100.0	100.0	100.0
Ultimate Analysis	Hydrogen				
	Carbon				
	Nitrogen				
	Oxygen				
	Sulphur	1.8	1.4	1.8	3.9
	Ash				
Calorific value	Calories				
	British thermal units	4,660	3,700	4,780	10,450

Softening temperature of ash _____ ° C. _____ ° F.

Date 2/10/39 (Signed) K. A. Johnson

Chemist.

C—8404 U. S. GOVERNMENT PRINTING OFFICE: 1934

Hunter Coal Mine

NAME

OLD NAMES

Coal

PRINCIPAL ORE

MINOR MINERALS

10 S T | 39 E R | SE¼ 29 S

PUBLISHED REFERENCES

Brogan 14 A p 15

Baker ..... COUNTY

Baker ..... AREA

..... ELEVATION

..... ROAD OR HIGHWAY

..... DISTANCE TO SHIPPING POINT

MISCELLANEOUS RECORDS

PRESENT LEGAL OWNER (S) John Hunter

Erie Landes

Address 2435 4th St Baker

Baker Oregon

OPERATOR Idle

Name of claims	Area	Pat.	Unpat.

Name of claims	Area	Pat.	Unpat.

EQUIPMENT ON PROPERTY

DEPARTMENTAL RECORDS on file in	P'land	G.P.	Baker
REPORTS			
Hunter Coal Mine JEA 9/26/38	X		X
SHIPMENT AND ASSAY RECORDS			
Bureau of Mines Coal Analyses for 3 samples			
taken by JEA - analyzed 2-10-39			X
MAPS			

HUNTER (JOHN) COAL MINE

Baker District

Owners: John Hunter, 2435 4th Street, Baker, Oregon; Eric Landes, Baker, Oregon.

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Area: Prospecting permit for 2,560 acres.

History: Discovered September, 1937.

Development: Tunnel 200 feet long; 45 feet inclined, horizontal for the rest of the distance.

Equipment: Blacksmith shop, mine car and track, small hoist, a good cabin on property.

Geology: The coal seam lies between two lava flows with an overburden of several hundred feet of basalt. It dips about 25 degrees to the south, the incline following down this dip for 45 feet. There it is offset 25 feet up by a north dipping fault. The tunnel continues on in and picks up the seam as it comes down out of the roof. A section of the coal is as follows:

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Informant: J. Hunter through J. E. A.