FORDING COAL LIMITED

FORDING RIVER OPERATIONS



ANNUAL REFLAMATION REPORT		
COAL EXPLORATION IN 1978 AND		
THE PROPOSED PROGRAM FOR	1979	in to to be a

K. C. Davie Para marga

GEOLOGICAL BRANCH ASSESSMENT REPORT

Ken Clarke Reclamation Technician Environmental Services March 21, 1979



TABLE OF CONTENTS

1.0	INTRODUCTION .	1
2.0	ENVIRONMENTAL PROTECTION	
	2.1 PLANNING 2.2 FIELD ACTIVITIES	1 1
3.0	1978 EXPLORATION PROGRAM	- 1
5.0	3.1 FORMS - NOTICE OF WORK ON COAL LICENCES FOR 1978	- 3
	3.2 EXTENT OF AREA DISTURBED BY EXPLORATION IN 1978	4
4.0	1978 RECLAMATION PROGRAM FOR EXPLORATION ACTIVITIES	4
5.0	 4.1 METHODS AND TREATMENTS 4.11 SITE PREPARATION 4.12 SEEDING, FERTILIZING PROGRAM 4.12.1 SEED MIXES AND APPLICATION RATE 4.12.2 FERTILIZER BLEND AND APPLICATION RATE 4.13 SLASH DISPOSAL, PRE-LOCGING 4.14 EROSION CONTROL SUMMARY OF EXPLORATION, RECLAMATION ACTIVITIES IN 1978 5.1 EXPLORATION	5 7 8 8 8 8 8
	5.2 RECLAMATION	9
	5.3 RECLAMATION RESEARCH	10
	5.4 FORMS - RECLAMATION REPORT - COAL EXPLORATION	11
6.0	PROPOSED EXPLORATION PROGRAM FOR 1979	
	6.1 LOCATION AND EXTENT	12
7.0	1979 RECLAMATION PROPOSAL FOR EXPLORATION ACTIVITIES	
	7.1 LOCATION AND EXTENT7.2 SITE PREPARATION TECHNIQUES	13
	7.21 ACCESS ROADS	14
	7.22 TEST PITS	14
	7.23 DRILL SITES	14

PAGE

	TABLE OF CONTENTS (cont'd)	PAGE
	7.3 SEED AND FERTILIZER	14
	7.31 SEED MIX AND APPLICATION RATE	14
	7.32 FERTILIZER BLEND AND APPLICATION RATE	15
8.0	RESEARCH	15
9.0	FORMS - NOTICE OF WORK ON COAL LICENCES FOR 1979	16
10.0	FORMS - RECLAMATION REPORT - COAL EXPLORATION FOR 1979	17
11.0	APPENDICES	
	I 1-10000 MOSIACS WITH OVERLAYS OUTLINING:	
	1978 EXPLORATION COMPLETED	

- 1979 PROPOSED EXPLORATION
- 1978 RECLAMATION OF EXPLORATION DISTURBANCES
- 1979 PROPOSED RECLAMATION OF EXPLORATION DISTURBANCES

LIST OF TABLES

TABLE 1	BREAKDOWN OF 1978 EXPLORATION ACTIVITIES CONTRIBUTING TO LAND DISTURBANCES	4
TABLE 2	RECLAMATION OF EXPLORATION DISTURBANCES BY AREA	5
TABLE 3	RECLAMATION OF EXPLORATION DISTURBANCES UP TO DECEMBER 31, 1979	9
TABLE 4	EXPLORATION SUMMARY BY AREA FOR 1979 PROPOSALS	12
TABLE 5	PROPOSED RECLAMATION OF EXPLORATION ACTIVITIES FOR 1979	13
	LIST OF ILLUSTRATIONS	

FIGURE 1	GENERAL LOCATION MAP	2A
FIGURE 2	SITE PREPARATION TECHNIQUES	7A

RECLAMATION REPORT

1.0 INTRODUCTION

Fording Coal Limited is presently in it's seventh year of a fifteen year contract to provide 3 million long tons of clean metallurgical coal per annum to Japanese markets. In compliance with subsection 1, 2, and 3 of section 8 in the Coal Mines Regulations Act, the following reports on reclamation of coal exploration activities by Fording in 1978 and a submission of proposals for 1979.

2.0 ENVIRONMENTAL PROTECTION

2.1 · PLANNING

All exploration proposals are reviewed jointly by both the Environmental Services and the Geology departments of Fording Coal Limited. Main concerns include; road and drill site locations, drainage control, land capabilities for other resources, pre-logging requirements and reclamation requirements (to follow).

It is Fording's policy to return disturbances back to their natural state.

2.2 FIELD ACTIVITIES

All field work follows the "Guidelines for Coal and Mineral Exploration" prepared by the Ministry of Mines and Petroleum Resources also all field work is inspected and approved by environmental personnel prior to construction.

3.0 1978 EXPLORATION PROGRAM

The exploration program initally involved exploration in the following areas:

- a) Greenhills Area
- b) Turnbull Mountain Area
- c) Lake Mountain Area
- d) Clode Pit Area
- e) West Turnbull

Once this program was completed in early September, an expansion to the program included the following areas:

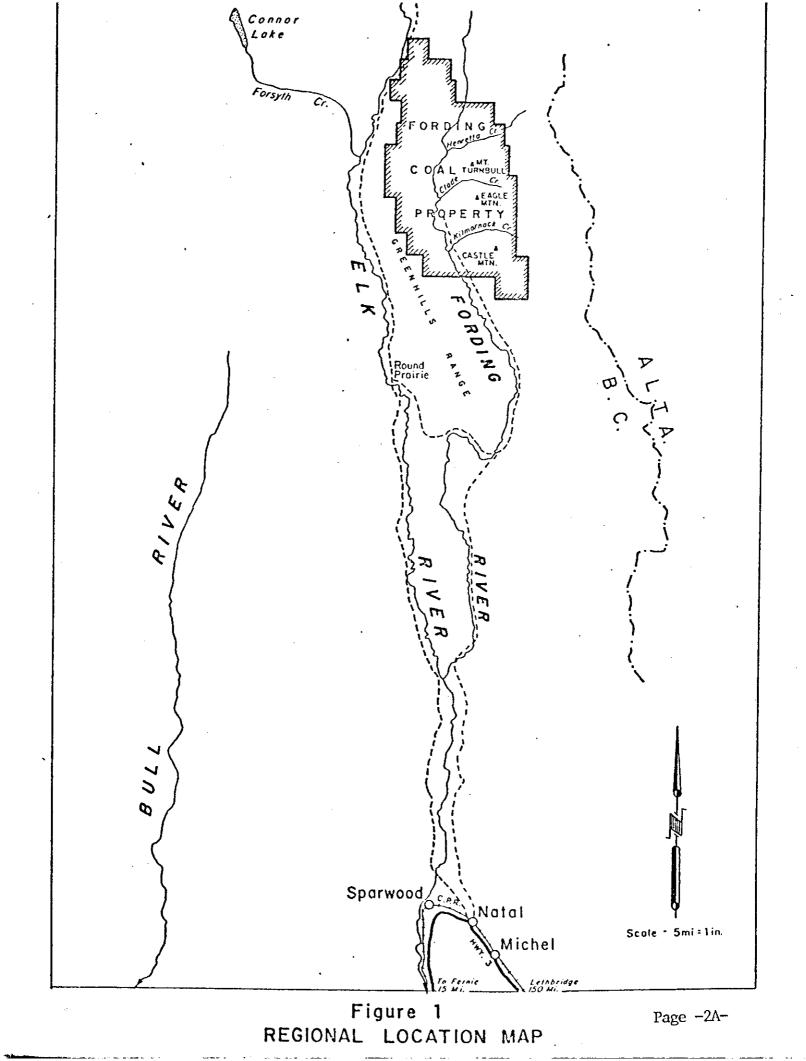
- i) Kilmarnock Creek Area
- ii) Henretta Creek Area
- iii) Elk Valley Area

These areas are all located in South Eastern British Columbia. A location map is reproduced in figure 1.

Completion of this program was in late November. Except for two instances, all field work went as planned.

The first instance concerned the most north easterly hole proposed in the Henretta area. The access to this hole proved to be in too wet of terrain, therefore the access was relocated to come in from the north east off of the McQuarrie Creek road. The hole was also relocated to the north side of Henretta Creek, to avoid crossing the creek with the access road.

The second instance concerned the most westerly hole in the Elk Valley area. This hole proved to be located in an area with too much overburden, therefore the hole was abandoned and relocates south easterly along the Kananaskis-Elk powerline access road.



3.1 FORMS - Notice of Work on Coal Licences for 1978

Fording River Operations Area Elk Valley Area Kilmarnock Creek Area Henretta Creek Area



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DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

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NOTICE OF WORK ON A COAL LICENCE

Pursuant to section 3 of the Coal Mines Reputation Act this notice is to be completed by all complemes or individuals carrying out exploration work prior to commencement of work, and within one month of assustion of work and one copy is to be whit to each of the influency:

Sanior Reclamation Inspector, Victoria District Inspector of Mines Regional Water Rights Engineer

District Forester or Forest Renger Regional First and Wildlife Office

----- DATE _ JANUATY 22, 1979

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	PERMIT NO	
NAME OF	PROPERTY Fording Coal Limited _ Fording River Operations	
Cosi Licenç	ca Numbers: Fording Coal Limited - CL 0344, 345 and 349	
LOCATION	N: Mining Division Fore Steele NTS Map Shear (e.g., B2E/9E)	_823/2
	" 10" Long 114 " 52" Locality and Access Fording River area via Spa	
	and Elkford	
OWNER:		
	Address Box 100 City Elkford	
0968430	BR. Neme Fording River Operations Free Miner's Cort, No. 171898	
U	Company Fording_Coal Limited Telephone No	865-2231
	Address Box 100 City Elkford	
	AddressCAV	
	DATE WORK COMPLETED: Dry N/A Month	
	MATE NUMBER OF MEN EMPLOYED:	
EXPLORA	ATION WORK: Proposed 🕅 Completed 🗋 SUse metric messure - 1 metric - 3.3 teet.)	
	g (ditance, width, method)N11	
	approved of Parest Dervice. "Licence to Curl or "rive the periodic may be withheld until Hickemestion Fermin ef No. of Sites <u>14 (all in cleared area)</u> Totel Area <u>8,400</u>	
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•	- Number None Total Length	
	P Number N11 Total Disturbed Area	
Work by Se	all C and Nume of Contractor S.B.S. Drilling	
	responsible for ensuring the Cenvactor complete with pertinent replations, see section 0, Coll Mines Regular IREST SERVICE ADVISED BY OPERATOR:UPON receipt of this notice.	ION ACL.1
DATE FOR	Tille of Forest Difficial J.L. Humphrey Ranger, B.C.F.S.	
	Box 730, Fernic, B.C.	
Adden		
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LD C-MUNI	t to suction 8, subjection 21-5 of the Casf Sfires Regulation Act, ""where the employment of mechanical e- to the surface of the tenish in clearing, struping, teanching,," the Application for a Reclamation Permit on t is submitted,	şulpunentik h⊧efy De reyerse side ø
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DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Pursuant to section 7 of the Cael Mines Repulsion Act this nature is to be completed by all companies ar individuals carrying out exploration work prior to commentement of work, and within one month of expansion of work and one copy is to be write each of she following:

Senior Reclamation Inspector, Victoria District Impector of Ma Regional Vistar Rights Engineer

District Forestel of Forest Range **Regional Fish and Wildlife Office**

102 PERMIT NO. __

- NAME OF PROPERTY: _____ Fording Coal Limited Fording River Operations (Elk Valley Ares) ъ. Cont Licence Numbers Cominco Ltd., C.L. 541,543
- LOCATION: Mining Division ____ Fort Steele 2 Las 50 * 10 Long) 14 * 52 Locality and Access
- OWNER: Neme Cominco Ltd. Free Miner's Carl. No. 163806 з. Addies _ 200 Granville Square _____ Civ _ Vancouver _____ B.C. OFTSATOR: Nome Fording Coal Limited Fier Miner's Cert No. 171898 Company Fording River Operations Telephone No. 425-6263
- Address P.O. Box 100 City_Elkford Prov. B.C. ESTIMATED DURATION OF WORK: From _____ September 1/78 _____ November 1/78
- ACTUAL DATE WORK COMPLETED: Day 12 Month Kovetber 19 78
- AFFROXIMATE NUMBER OF MEN EMPLOYED: ____6_ 2.
- ENFLORATION WORK: Proposed 🗋 Completed 👰 (Use newski maesure 1 man = 3,3 feet) (Reduites as proved of Forest Services, "Licence to Cust or "Free Use Fermit" may be withheld while Perlamation Permit endinovel3 Dilling = No. of Sites ______ 4 ____ Tevious ____ Tote' Arm _____ 1,200 _____ square states Rues Construction - Total Longon Nil (Totads) menes Approximete Wildth Uncerproved Exploration _____ N11 Treaching - Number N11 Total Length ______ matter Width _____ 30 KA14 (717 P.44 Nors by Suff C OR Hume of Convector _____CONNOTS_DILLING______ 10-ner b reconside for ensuring the Convector complies with consistent reputations, or section 2, Coel Mines Regulation Acc. 1

DATE FOREST SERVICE ADVISTO BY OPERATOR: _____ August 24, 1978

Network Tota of Foren Official J.L. Humphroy, Ranger, B.C.F.S. Sox 730, Fernie, B.C.

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Ť coult-. X _ nine Senior Mine Geologist SIGNATURE OF AFFLICANT _ DATE JANUARY 22, 1979 FAINT NAME P.M. Daighoult

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DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL BESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

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Senior Rectamation Inspector, Victoria Direct Inspector of Maum Regional Viatar Rights Engineer District Forester or Forest Ranger Regional Fish and Wildlife Office

PERMIT NO. _____ 102

- 2 LOCATION: Mining Division Fort Stecle _____ NTS Map Shron (e.g., 826/981 _____823/2____ Lot 50 • 10 · Long 114 • ... 52 · Locality and Accura Fording River area via Sparwood ______ and Elkford.
- a. CWNER: None Fording Coal Limited Free Miner's Cerc No. 171898 ADDIES FOR 100 City Elkford Play. 5.C. CFERATOR: None Fording Coal Limited Free Miner's Cerc No. 171898 Corpany Fording River Operations Telephone No. 425-5763 Address Box 100 City Elkford Play. B.C.
- Addien ______ City _____ Prov. ____ Prov. _____ Prov. ______ Prov. _______ Prov. _______ Prov. ______ Prov. _______ Prov. _______ Prov. _______ Prov. ______ Prov. ______ Prov. _______ Prov. _______ Prov. _______ Prov. _______ Prov. ________ Prov. _______ Prov. _______ Prov. ________ Prov. _______ Prov. _______ Prov. ________ Prov. ________ Prov. ________ Prov. ________ Prov. ________ Prov. ________Prov. _________Prov. _________Prov. _________Prov. ________Prov. _______Prov. __________Prov. ______
 - ACTUAL DATE WORK COMPLETED: Day 21 _____ Nonth September 19 78
- 2. APPROXIMATE NUMBER OF MEN EMPLOYED
- 🚛 🛛 EXPLORATION WORK: Frances 🔂 Completed 🖾 (Vise metric measure 1 metres 5.3 feel)

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SIGNATURE OF APPLICANT 12 FRINT NAME P.M. Daignoult

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DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES DRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

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Senior Reclamation Inspector, Victoria District Inspector of Minus Regional Vietar Rights Engineer

Direct Forener or Foren Ranger Regional Fish and Wildidg Office

PERMIT NO. ______

- 3. NAME OF PROPERTY: Fording Coal Limited Fording River Operations (Henriette Creek Area) Coullience Numbers: Fording Coal Limited 330, 336
- 2 LOCATION: Mining Durinion Fort Steele ______ NTS Map Short M.C. B7(192) _____ 823/2 Lot 50 ° 10 ' tong 114 ° 52 ' Lotality and Accam Fording River area via Sparwood ______ _____and Fikford.
- OWNER: Name Fording Coal Limited Free Miner's Cerc No. 171898
 Acova P.O. Box 100 Cay Elkford Prov. B.C.
 OPERATOR: Name Fording Coal Limited Free Miner's Cerc No. 171898
 Company Fording River Operations Telephone No. 425-6263
- Addian P.O. Box 100 ciry Elkford prov. B.C.
- 8. ACTUAL DATE WORK COMPLETED: Dry 28 North Occober 1978
- 7. APPROXIMATE NUMEER OF MEN EMPLOYED _____
- EXPLORATION WORK: Prozensed Constraints (State Constraints)
 Explored to the state of th
- DATE FORIST SERVICE ADVISED BY GREAKION: <u>AUGUST</u>, 74, 1978 Nemerina True of Feren Division <u>J.L. Rumphrey, Fonger, B.C.F.S.</u> Astrono <u>Box 730, Fernic, B.C.</u>

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Tre As any coult mir Senior Mine Geologise SIGNATURE OF APPLICANT DATE JANUARY 22, 1979 PRINT NAME P.H. Daignault

3.2 EXTENT OF AREA DISTURBED BY EXPLORATION IN 1978

Exploration in 1978 involved only drilling activities, therefore drill pad and access road construction were the only disturbances. The extent and break-down of disturbance by area is summarized in Table 1 below.

AREA	ACTIVIT NEW T ROADS	TOTAL DISTURBANCE (Hectares)				
GREENHILLS TURNBULL MIN. LAKE MIN. CLODE PIT KILMARNOCK CRK. HENRETTA CRK. ELK VALLEY WEST TURNBULL	.08 NIL .76 NIL NIL 1.2 NIL .61	NIL NIL NIL NIL NIL NIL NIL	NIL NIL NIL NIL NIL NIL NIL	.23 .03 .05 .01 .15 .06 .09 .09	NIL NIL NIL NIL NIL NIL NIL	.31 .03 .81 .01 .15 1.26 .09 .70
TOTALS	2.65			.71		3.36

BREAKDOWN OF 1978 EXPLORATION ACTIVITIES

CONTRIBUTING TO LAND DISTURBANCE

(Figures represented in hectares) Refer to Appendix 1 Overlay 1 for Photo Mosiac outlining areas exploration was active in during 1978.

TABLE 1

4.0 1978 RECLAMATION PROGRAM FOR EXPLORATION ACTIVITIES

Reclamation of past exploration disturbances continued in 1978. The program mainly involved road reclamation although work did include reclamation of drill sites and some trenches. Approximately 19 hectares of exploration disturbances were reclaimed in 1978, with treatments varying depending on site specifics. Table 2 summarizes reclamation accomplished by area, the extent of reclamation and the type of disturbance involved.

Procedures:	By using a caterpillar 225 excavator the road surface within the cut section is ripped to provide a cohesive base, then most of the road fill material is returned into the road cut. Once the slope has been restored, it is treated with seed and fertilizer. For seed and fertilizer mixes and rates, refer to section 4.12.1.
Advantages:	 removes access stabilizes the cut bank to prevent sluffing totally restores natural drainage is aesthetically pleasing provides a suitable seed bed for both artificial and natural revegetation
Technique:	(B) $*$ for before and after outlines of the road surface refer to figure 2B.
Type of Disturb	oance: Old exploration access which has grown over with natural vegetation
Objective:	To stablize the cut bank along the road access; saving as much vegetation as possible, both on the road surface and in the area to be stabilized, also to restore drainage and prevent erosion.
Procedure:	The cut bank is resloped to a stable angle of repose by using a caterpillar 225 excavator. In this resloping technique, care is taken to minimize the destruction of vegetation within the area to be resloped. In alpine locations, the vegetation is in sod form and can be salvaged and located on the slope after stabilization, thus reducing the amount of re-vegetation needed after site treatment. All areas along the road surface lacking vegetative cover are ripped up with the excavator bucket to break up the surface compaction. Once these site treatments are completed, all areas not vegetated are seeded and fertilized.
Advantages:	 hastens the stabilization of the cut bank, allowing vegetation to establish reduces the requirements for artificial revegetation restores the drainage pattern. Problem areas are totally restored (gulleys, high eroision areas, etc.)

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AREA	TYPE OF DISTURBANCE					AREA	
	ROAD	ADIT	DRILL SITE	TEST PIT	TRENCHES	RECLAIMED (Hectares)	
UPPER FORDING VALLEY	*		*		· ·	1.4	
HENRETTA RIDGE	*					.4	
SOUTH SLOPE OF HENRETTA MIN.					*	.9	
UPPER CLODE BASIN	*					5.5	
EAGLE MIN. (South Aspect)	*		*			2.5	
CASTLE MIN. (North Aspect)	*		*			6.4	
TURNBULL MIN.	İ				*	1.0	
RIVER FLATS NORTH OF THE MINESITE	*		*			1.2	
TOTAL AREA RECLAIMED						19.3 Hectares	

RECLAMATION OF EXPLORATION DISTURBANCES BY AREA

TABLE 2

Refer to Appendix 1 Overlay 3 for photo mosiac outlining area reclamation was carried out in during 1978.

4.1 METHODS AND TREATMENTS

4.11 SITE PREPARATION

In 1978, various site preparation techniques were applied at an operational scale. The following, outlines each technique and the reasoning behind them. The area in which each technique was applied can be identified by noting the letter reference for each technique then referring to the photo mosiac. (Appendix 1)

Technique (A) * for before and after outlines of the road surface refer to figure 2A.

Type of Disturbance: fresh exploration access lacking any vegetative cover.

Objective: To totally restore the slope back to it's natural angle of repose, revegetate it, restore drainage and prevent erosion.

-5-

Technique (C) * for before and after outlines of the road surface, refer to figure 2C

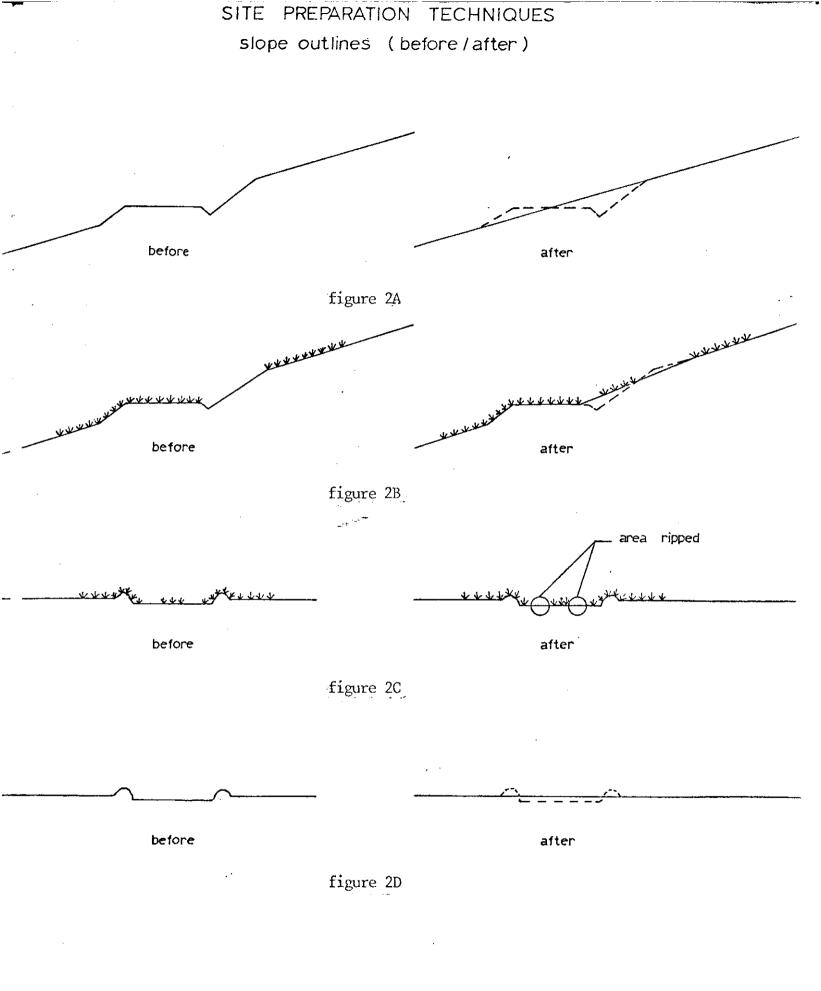
- Type of Disturbance: old exploration access on level ground lacking cut and fill slopes. Road has practically overgrown.
- Objective: To establish vegetation on the complete road surface, restore drainage and prevent erosion.
- Procedure: All areas along the road surface without vegetative cover are ripped up with a caterpillar 225 excavator bucket to break up surface compaction. The treated areas are now seeded and fertilized. A dozer with a ripper can also be used in this situation.

Advantages: - minimizes the requirements for artificial revegetation - creates a more permeable road surface for run-off considerations

- Technique (D) * for before and after outlines of the road surface refer to figure 2D
- Type of Disturbance: fresh exploration access on level ground lacking any vegetation
- Objective: To totally remove the road; establish a vegetative cover; re-establish drainage and prevent erosion.
- Procedure: By using a small dozer with an attached ripper the road surface is ripped to provide a more cohesive base; then side cast material from the road construction is pushed back over the road surface. After site treatment, the road surface is seeded and fertilized.
- Advantages: provides a more suitable seed bed to establish vegetation on - is aesthetically pleasing
 - removes access
 - restores drainage

4.12 SEEDING, FERTILIZING PROGRAM

All sites outlined in section 4.11 were seeded and fertilized immediately after site preparation was completed. Reference to overlay 3 in Appendix 1 shows the location of these areas.



4.12.1 SEED MIXES AND APPLICATION RATE

'Iwo seed mixes were utilized in the 1978 program. Both mixes included species which were more adaptable to higher elevations over 1980^m ASL (6500' ASL). A breakdown of these seed mixes are listed below.

MIX NO. 1

Rhizoma Alfalfa	35%
Alsike Clover	9%
Creeping red fescue	26%
Red Top	4%
Timothy	17%
Canada Bluegrass	9%

MIX NO. 2

Rhizoma Alfalfa	15%
Sainfoin	20%
Alsike Clover	10%
Slender Wheat Grass	8%
Creeping Red Fescue	25%
Red Top	5%
Streambank Wheatgrass	7%
Timothy	10%

Application rates for both mixes was 56kg/hectare (50 lb/acre). Cyclone spreaders (hand operated) were used to spread the seed cover.

4.12.2 FERTILIZER BLEND AND APPLICATION RATE

13-16-10 fertilizer was applied at, 225 kg/hectare (200 lb/acre). Cyclone spreaders (hand operated) were used to spread the fertilizer.

4.13 SLASH DISPOSAL, PRE-LOGGING

Pre-logging and slash disposal was initiated in 1977 and continued in 1978. All merchantible timber down to a 10cm (4 inch) top was salvaged, and latter sold to a near-by mill. Non-merchantible timber and slash was bucked to lengths no greater than 2 m. (6 feet) and windrowed along the road right of way.

4.14 EROSION CONTROL

Maintenance to existing roads (cleaning out culverts and ditches) is an active part of Fording's Erosion Control Plan. Roads with surface gradients are also cross ditched to specifications outlined in "Guidelines for Coal and Mineral Exploration".

TABLE 3

UP TO DEC. 31, 1978

2.5 2.5 TURNBULL 2.1 2.5 4.6 EAGLE NOUNTAIN 6.4 6.4 CASTLE MOUNTAIN 1.3 1.3 HENRETTA 2.4 1.0 1.4 UPPER FORDING 5.5 6.3 CLODE BASIN .75 TOTAL RECLAIMED 23.5 HECTARES RECLAMATION OF EXPLORATION DISTURBANCES

2. . A summary of reclamation of exploration disturbances up to December 31, 1978, is outlined in Table 3 below.

1977

AREA RECLAIMED/YEAR

1975 1976

(HECTARES)

TOTAL

1978

A summary of reclamation activities in 1978, is reproduced in Table

This year proved to be another productive season for reclamation of exploration disturbances. It is estimated that within 2 working seasons all past exploration in areas not requiring further work will be reclaimed. This will allow Fording to concern itself with reclaiming present and future exploration disturbances within a time frame shortly after completion of the program.

The summary of 1978 Exploration activities, is reproduced in Table 2.

cases, was simplified. Environmental Services will continue to

Environmental Services became very much involved with the planning stage as well as overseeing the construction phases of the 1978

exploration program. Results were significant, in that environmental impact was reduced substantially, also follow up reclamation in most

EXPLORATION

5.1

5.2 RECLAMATION

AREA

5.0 SUMMARY OF EXPLORATION, RECLAMATION ACTIVITIES IN 1978

become involved with future exploration programs.

5.3 RECLAMATION RESEARCH

The 1978 research program continued as in the past years with the reclamation research group of Cominco Limited. This year, their program involved evaluating vegetative growth; yields and nutrient status in existing plots. Also new plots were established at 2060' ASL (6750' ASL.), representative of most of Fording's spoil locations on Eagle Mountain. These plots will test the effect of competition an legume: grass ratio on establishment and growth of fall seeded mixtures on high elevation waste rock.

Research also involved new site preparation techniques as outlined in section 4.1. Continued monitoring of slope stability, vegetation establishment and drainage will ultimately dictate site preparation techniques for future reclamation practices.

5.4 FORMS - RECLAMATION REPORT - COAL EXPLORATION FOR 1978

- a) Upper Fording Valley
- b) Henretta Ridge, South Aspect
- c) Upper Clode Basin
- d) Eagle Mountain (South Aspect)
- e) Castle Mountain
- f) Turnbull Mountain
- g) West Turnbull, River Flats North of the Mine Site



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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria. See note at bottom of page.

FOR CALENDAR YEAR 19 78	Pt	RMIT NO	-102
COMPANY Fording Coal Limited	NAME OF OFFICIA	N 01	
ADDRESS BOX 100	SIGNATURE	Un Clar	ka _
Elkford, B.C. VOB THO	- DATE SUBMITTED.	March 21,	1979
DETAILS OF WORK DONE AND DESCRIPTION OF RECLAN Use metric mesure (1 metre = 3.3 feet). Show method of reclam topsol), seed type, fertilizer used and application, etc. Use back of Reference Mispl.	etion, for example, tackfill		
Upper Fording Valley ROADS: Inductive testing of individual readinary built and approximand full.	nsie width both eut	Area Distorbed	Area Reclaimed
Reclaimed 1166 m x 12 of road surface an	d drill		_14,000 _
sites totally reclaimed	·		
	•	m ²	F
TEST #175:			
	_ <u></u>		"
		m²	n
		m ³	@
TRENCKES: Indicate tengths, widths, and ground slope.			
	<u> </u>	m²	m
		m ³	****
			r
		m ³	«
ADITS:			
Tols! No			
DRILL SITES:			
TourNo Included Under Roads		m ³	
OTHER:			
		m ²	
		m ²	<i>"</i>
Setal Dirivitad and Retained Alea (square metres)		m'	_14,000 ,
Taut Dirivited and Reclaimed Arias theorarus) (1 hectare = 10 000 square motion)		Na	1.4 .

4. GENERAL COMMENTS:

NOTE: Refer to original "Application for a Naclamation Fermil" and note work dure on two copies of the 1:50 (KM) map. Specity where work done has used from theil which was propried. Attach to this report, fight to bootist animed, *Guidelines for Coal and Mineral Exploration*, as-lability at the office of the Origins Insurcion of Miner, for recisination advice, Astach photographs or other support day if depind to supplement this format.

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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Impector, Victoria, Ser note at bottom of page.

۶.	FOR CALENDAR YEAR 19 78	PERMIT NO
ż	COMPANY Fording Coal Limited	NAME OF OFFICIAL KOD CLARKE
	ADDRESS BOX 100	SIGNATURE Are lake
	Elkford B.C. VOB DHO	DATE SUBMITTED, March 21, 1979

DETAILS OF WORK DONE AND DESCRIPTION OF RECLAMATION
Use meric measure (I merie + 3.3 Set). Show method of reclamation, for example, backlidt of excavated parth and replacement of
topsoil, and type, femiliter used and application, arc. Use back of sheet if required. Heterone locations on 3:50,000 map (Cost Titlet
Reference Mapa).

Henretta Ridge, South Aspect RDADS: Indexes lengths of individual codeways built and approximate width both out and till.	Area Distorted	Ares Reclaimed
Reclaimed 974 m x 4 m of raod surface and	m ²	4000 ",
drillsite totally reclaimed		m
	m ¹	
	m'	m'
	m²	m ³
TEST PITS:		•
	m ⁷	m²
· · · · · · · · · · · · · · · · · · ·	m²	······ m'
	m3	m²
	m ²	m ²
TRENCHES: Indicate lengths, widths, and ground slope,		
Reclaimed 741 m x 12 m	m²	9000, m ³
	— m²	m ³
······································	———— w,	m'
	m²	m²
AD175:		
Total No.	m ²	m²
DRILL SITES:		
Toul No Included under roads	to ²	m ²
OTHER:		
	m ²	
	m²	<u>13000</u> ,
Total Disturbed and Reclaimed Area Sugura metres?	m²	
Tetal Disturbed and Reclaimed Alias (Nectarys) (3 Rectary = 30 000 source metrics)	he	1.3 🏎

4. GENERAL COMMENTS:

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NOTE: Refer to original "Application for a Arcientation Fermit" and note work done on two course of the 5-50-000 map. Specify where work done has sound from that which was provided. Attach to this report, Artack an advise antitud, *Guidelines for Cast and Mineral Exploration*, evaluable at the office of the District Inspector of Mineral data If derived to support that formal to support the formation advise. Attack to upport

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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria. See note at bottom of page,

1.	FOR CALENDAR YEAR 39 78	PERMIT NOC-102
2	COMPANY Fording Coal Limited	NAME OF OFFICIAL KED Clarke
	ADDRESS BOX 100	SIGNATURE ALA Marta
	Elkford, B.C. VOB THO	DATE SUBMITTED March 21, 1979

DETAILS OF WORK DONE AND DESCRIPTION OF RECLAMATION
 Det mession (1 metre = 3,3 feet), Show method of reclamation, for example, backfull of excervated earth and replacement of
 topsolit, and replacement ward and application, etc. Use back of sheet it required, Reference totations on 1:50,000 map (Coal Thiles
 Reference Mapu).
 Area Area

Area	A144
	Reclaimus
m ^{>}	55000;
m ²	m'
m²	m ²
m²	— m ²
	m³
	m ¹
m ⁷	••••
en	m²
m ²	m²
m²	m²
m ³	m)
m²	
m²	m²
m ¹	m ³
m ³	m'
m²	<u>55000</u> m ³
he he	~ ~
	Disturbed m ² m ² m ² m ² m ² m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³ m ³

4. GENERAL COMMENTS:

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NDTE: Refer to original "Application for a Reclamation Permit" and note work done on two copies of the 1.50,000 map. Specify intere work done has ear of from this which was proposed. Attach to this report, Refer to bookts entitled, Guidelines for Cost and Minnest Entitles done this estimation advice. Attach photographs or other explore data if desired to supplement this for mat.

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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria, See note at bottom of page.

FOR CALENDAR YEAR 19 78_ COMPANY_Fording Coal Limited		Kenner Kenner	<u>ka</u> ,
	IAME OF OFFICE	7/	67
	IGNATURE	ze fl	dere
Elkford, B.C. VOB 1H()	ATE SUBMITTED	March 21	, 1979
DETAILS OF WORK DOME AND DESCRIPTION OF RECLAMATION	3		
Use meaning meanure () means = 3.3 feed), Show method of reclamation, a topsoil, wed type, fertilizer used and application, etc. Use back of sneet if			
Reference Maps).		A	A
Eagle Mountain (South Aspect) ROADS: Indexise lengths of inder-dual readways built and approximate wi		Detected	Reclaimed
ind lift.			
Reclaimed 2029 m x 12 m of road surface and			
drillsit 1700 m of access road was totally			
reclaimed, 329 m of access road had the cut		رتبر	
bank sluffed in	— · —	_	
		ft ³	_ .
IEST PITS:			
		m²	<u></u>
		m ³	_ .
			<u> </u>
	<u> </u>	m)	
AENCHES: Indicate lengths, widths, and ground stope.			
		m ³	
		m ¹	
		······································	·
ADITS:			
Total No.		m²	
DRILL SITES:			
Tour No Included under roads		m²	
DTHER:			
		m ²	
	_	m)	
Total Didwined and Reclaimed Area (square metres)		m ³	25000
Toul Disturbed and Recisimed Area (hectored)			2.5
() hectore = 10.000 square meters)			

4. GENERAL COMMENTS:

NOTE: Refer to original "Application for a Restamation Permit" and note work done on two retures of the 150,000 map. Spreaty where work done has research from that which was proported. Attend to this sepon. Refer to bothlet entitled, *Guidelines for Cust and Atinava* Exploration, evaluable at the office of the District Inspector of Mines, for sectamation advice. Attack photographic or other support date if deviced to aupplement this formet.



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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria, See note at bottom of page,

FOR CALENDAR YEAR 19_78_ COMPANY_Fording Coal Limited		Ken Glark	e
	NAME OF OFFICIAL	1/	107
ADDRESS _ BOX 100	SIGNATURE	Gen for	
Elkford, B.C. VOB DHO	DATE SUBMITTED.	March 21,	1979
DETAILS OF WORK DONE AND DESCRIPTION OF RECLAMA	T10N		
the metric measure (1 metre = 3,3 level, Show method of reclamation lopipil, seed type, fertilizer used and application, etc. Use back of she			
Reference Maps).	et in required, evenence		
Castle Mountain (North Aspect)		Area Distorting	Area Reclaimed
EDADS: Indicate lengths of individual readinarys built and approximation of fill,	ie wigth both cut		
Reclaimed 5257 m x 12 m of road surface an	nd		64000
drillsites. 4500 m of road was totally		m ³	m
reclaimed 757 m of road had the cut bank		e.,	
sluffed in		_	
		m,	m
EST PITS:			
		m²	m
······································			m
		m ²	m
		m²	
RENCHES: Indicate lengths, widths, and ground stope_			
And the second second second second by a second by and a second by a se			
		m²	m
· · · · · · · · · · · · · · · · · · ·		m²	mi
		m,	m
ADITS:			
Toist No		@ ²	m
DAILL SITES:			
Total No.		m²	m
DTHER:			
		m3	m
		m ³	•
Total Disturbed and Asclaimed Area (square matrix)	-	e,	64000 m
Timat Disturbed and Reclaimed Area (Nectares)		Na	<u>6.4</u> N
(1 bectars = 10 000 square metres)			

4. GENERAL COMMENTS:

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NOTE: Refer to arginal "Application for a Reclamation Farmit" and note work done on two copies of the 1150,000 map. Specify where work done has varied from that which was proposed. Attach to this report, Refer to tooklet anisted. *Guidelines for Coal and Minisal* Esploration, assistion at the office of the Disting Engletion of Mines, for reclamation advise, Attach photographs or other support date it devices to supplement this format.



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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria, See note at bottom of page.

1.	FOR CALENDAR YEAR 19 78	PERMIT NO. C-102
2	COMPANY_Fording Coal Limited	NAME OF OFFICIAL KET CHETKE
	ADDRESS BOX 100	SIGNATURE
	Elkford, B.C. VOB DHO	DATE SUBMITTED March 21, 1979
э.	DETAILS OF WORK DONE AND DESCRIPTION OF RECLAMAT	ION

numbull mountain	Disturbed	Reclaimed
ROADS: Indicate lengths of individual road ways built and approximate width both cut and fill,		
	m ²	m ³
	m²	
	m²	m2
	m²	@ ⁷
TEST PITS:		
	m'	m ¹
	— m3	m²
	m²	m²
TRENCNES: Indicate lengths, widths, and ground slope,	- <u></u> m²	m²
Reclaimed tranches 200 m x 500 m (recontoured)	m²	10000_ m²
	m,	m ²
	m ³	m ¹
	m ³	
ADITS:		
Total No.	. <u> </u>	m²
DRILL SITES:		
Southo.	m²	m'
OTHER:		
	m²	m²
	m)	m²
Taul Daturbed and Reclaimed Arus (square metrus)	m'	<u>10000</u> ",
Tasel Disturbed and Ascleimed Area (hactore) (3 Access = 10 000 square metural	Ne	N

4. GENERAL COMMENTS:

BEDTE: Refer to original "Application for a Reclamation Permit" and note work done on two conies of the 1:50 000 map. Specify where work done has varied from that which was proposed, Assech to this report. Refer to booklet entitled, *Guidelines for Cost and Minecal Exploration*, assisting at the office of the support date II desired to supplement this format.

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RECLAMATION REPORT - COAL EXPLORATION

To be submitted in duplicate to Senior Reclamation Inspector, Victoria, See note at bottom of page,

FOR CALENDAR YEAR 19 78		PERMIT NO.	C-102
COMPANY Fording Coal Limited	NAME OF OFF	ICIAL Ken Cla	irke
ADDRESS BOX 100	SIGNATURE	Les 1	Pa ha
Elkford, B.CVOB_IHO	DATE SUBMIT	ED March 2	1, 1979
DETAILS OF WORK DONE AND DESCRIPTION OF R	ECLAMATION		
Use metric measure (1 more = 3.3 feet), Show method of sopsoil, and type, finalizer used and application, etc. Use by Reference Maps).	reclamation, for example, bac set of sheet if required. Refer	still of excavated ear ende focations on 2:5	th and replacement of 0,000 map (Coal Title
West Turnbull, River Flats North of ROADS: Indicate lengths of individual readways built and an and fill.	the Mine Site	Area Disturbed	Arsa Reclaimed
Reclaimed 1850 m x 6 m road surface	ripped up the	— m'	
road surface, covered with side cas	t material	m ²	m ²
from the road construction		m ²	m
	<u> </u>	m)	m²
TEST PITS:			
·		——— m²	m²
·		m ¹	m*
	·	m ²	m ³

TRENCHES' Indicate lengths, widths, and ground slope.

	to ³	
	m²	<u> </u>
	m²	m²
	m ¹	m²
ADITS:		
3 Tétal Nu	m'	m²
DRILL SITES:		
Tour Na	m²	<u>900 m</u>
DTHER:		
	m,	m²
	m²	m²
Total Ontorbed and Reclaimed Arati (square metric)	<u> </u>	<u>12000</u> ",
Total Desurfact and Reclaimed Arms (hextails) [1 hextairs = 10 000 aquare marines)	he	<u>1.2</u> No

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A. GENERAL COMMENTS:

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NOTE: Relet to original "Application for a Reclamation Permit" and note work done on two convert of the 1:50,000 map. Specify where work done has send from that which was proposed. Attach to this report, Reter to booking encided. Guidelines for *Cost and Mineral Exploretion*, evaluate at the other of the District Inspector of Mines, for reclamation advice. Assoch photographs of other support dsb it deved to workers this format.

6.0 PROPOSED EXPLORATION PROGRAM FOR 1979

6.1 LOCATION AND EXTENT

The 1979 exploration program will include 3 areas. Within each of these areas, various proposals exist. Table 4 below, outlines and breaks down each area into specific proposals, indicating their location, extend and estimated land disturbances. These areas are all located in South Eastern British Columbia. A Location Map is reproduced in Figure 1.

AREA	SITE	EXPLOR METHOD	ATION EXTENT	NEW LAND DISTURBANCES (HECTARES)
NORTH GREENHILLS	K-seam A-Spoil Pits 3,4,5	Drilling Drilling Drilling	6 Holes 4 Holes 9 Holes	.4 NIL NIL
SOUTH GREENHILLS	Pits 1,2 Pit G&H	Drilling Drilling	17 Holes 9 Holes	NIL .82
EAGLE MOUNTAIN (South Face)	K-4 Pit East Limb	Drilling Test Pits Drilling	3 Holes 4 Pits 6 Holes	.09 .24 1.8
EAGLE MOUNTAIN (North Face)	Repeat 4, Clode Pit 12 & 13 Seams	Drilling Drilling	3 Holes 5 Holes	NIL .3
Turnbull Mountain (West Face)	R-4 Pit	Drilling	2 Holes	.06
<u>,</u>	3.71 TOTAL			

EXPLORATION SUMMARY

BY AREA

TABLE 4

The majority of the 1979 program is in previously disturbed areas (either from logging or clearing for mining extension). Plans are designed to utilize existing roads and trials, although drillsite construction may involve some undisturbed area adjacent to the access. The impact from this will be negligible considering the previous disturbances. Exploration throughout the east limb, along the south face of Eagle Mountain, will require new land disturbance. Plans have utilized any existing roads and trail, although an additional 4050 meters of road and 2.7 hectares of drillsite cfnstruction is required. An additional 1040 meters of new road is required to access 4 drillsites in the Greenhills area. All field work will be inspected and approved by Environmental personnel prior to construction, also it is expected that reclamation will immediately follow the completion of the exploration on the south face of Eagle Mountain.

7.0 1979 RECLAMATION PROPOSAL FOR EXPLORATION ACTIVITIES

7.1 LOCATION AND EXTENT

It is planned that reclamation will take place within seven areas during 1979. The majority of the plan involves road reclamation although 4 test pits and numerous drillsites will also be resloped and seeded. Table 5 below outlines the areas and extent of reclamation proposed per area for 1979.

AREA	TYPE AND EXTENT OF DISTURBANCES ROAD TEST ADITS DRILL TRENCHES PITS SITES (HECTARES)				TOTAL AREA PLANNED FOR RECLAMATION (HECTARES)	
TURNBULL ELK VALLEY HENRETTA LAKE MIN. CASTLE MIN. EAGLE MIN. GREENHILLS	4 .37 3.9 * *	*		.12		4.0 .12 .37 3.9

TABLE 5

PROPOSED RECLAMATION OF EXPLORATION ACTIVITIES FOR 1979

Refer to Appendix 1 overlay 4 for areas proposed for reclamation in 1979.

* To be determined.

7.2 SITE PREPARATION TECHNIQUES

7.21 ACCESS ROADS

Site preparation for reclaiming road systems will be determined on site specific basis as was done in the 1978 program. The site preparation techniques to be considered per site will be chosen from the four techniques outlined in section 4.11.

7.22 TEST PITS

Four test pits are planned for 1979. To simplify the reclamation of these pits and to have good materials present within the rooting zone, all materials excavated will be stockpiled in an inverse order. Once the pits are completed, the materials can be returned back to their proper sequence.

7.23 DRILLSITES

Site preparation for reclaiming drillsites will be similar to the techniques involved for reclaiming access roads.

7.3 SEED AND FERTILIZER

By reviewing the conclusions derived from 1977 and 1978 research programs, it's expected that changes within Fording's present seed and fertilizer mixes will prove more beneficial in terms of establishment and low maintenance requirements.

7.31 SEED MIX AND APPLICATION RATE

Fording has decided to use one seed mix for all revegetation planned for in 1979. The following outlines the species and their percent in the mix.

MIX #7 (all elevations)

SPECIES	% BY WEIGHT
Rambler Alfalfa Birdsfoot Trefoil V. Leo Alsike Clover Crested Wheatgrass Creeping Red Fescue V. Boreal	32.5 25 10 17.5 10
Canada Bluegrass	2.5
Red Top	2.5

The application rate for this mix will be 56 kg/hectare. Cyclone hand spreaders will be used.

7.32 FERTILIZER BLEND AND APPLICATION RATE

Research has indicated that potassium is unnecessary for the establishment and continued growth of plant species at Fording Coal. Therefore if a complete fertilizer such as 13-16-10 was used, the potassium would be wasted increasing reclamation costs. 11-55-0 fertilizer is expected to be used in 1979, previous to this, all of the existing stock of 13-16-10 at Fording Coal Ltd., will be utilized. Both fertilizers will be applied at 225 kg/hectare.

8.0 RESEARCH

Reclamation research will continue in 1979. Past plots will again be evaluated, spring sown plots will be added to those established in the fall on Eagle Mountain and new site preparation techniques will be examined.

FORMS - NOTICE OF WORK ON COAL LICENCES FOR 1979

- A) #1 & #2 Pit Greenhills
- B) Turnbull Area (West Face)
- C) North Eagle (12 & 13 Seam) and Clode Pit
- D) Proposed K-4 Pit & East Limb of Eagle Mountain
- E) K Seam, 3,4,&5 A Spoil, North Greenhills



DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Pulsuant to section. 7 of the Coul Alines Regulation Act this notice is to be completed by all companies or individuals carrying ous exploration mork prior to commencement of work, and within one month of orsertion of wark and one copy is to be arrived ath of the following:

Senio: Afalemation Inspertor, Victoria Distinct Inspector of Minus Augumet Wests Rights Engineer

Orbitett Forener or Forest Sanger Regional Fish and Wildlife Others

		PERMIT NO. 102
NAME OF 1	Fording Coal Limited -	Fording River Operations
		Greenhills - LEASE 1, LEASE 2,
	GL358 & CL511.	
LOCATION:		NTS Mup Shan I.E. 828/921 823/2
		FORDING RIVER AREA VIA SPARNOOD AND
ELKFORD		• · · · · · · · · · · · · · · · · · · ·
OWNER	Nem Fording Coal Limited	5 Mary Car No. 17 18 98
		Elkford B.C.
OFERATOR:		Sim Miner's Care No. 17 18 98
	Company Fording Coal Limited	
	Box 100	Crry Elkford B.C.
151+MATED	DURATION OF WORK: FIRM May 1979	October 1979
	TE NUMBER OF MEN EMPLOYED 20	
Linecotting (s	intence width method)	_
	Invation Freens Service, "Elecance to Cut! or "Free Use Perm	
		Talah Ara7800 sprare mat
	stion - Test Langth 920 meter	
-		
	Number Total Longt	
	Number MIL. Total Dinurbed dras	13,320
Test Fature -		ied Yet.
	Contractors Not Determin	
West by 34X	Solution for ensuring the Consistion somplies with persona	At securition are settion & Cost Mines Regulation Art. 1
West by Self	ST STRUCE ADVISED BY OFERATOR UPON T	receipt of this Notice.
West by Self (O-ref & fait DATE FORE	SENSIGN FOR ENLINE THE CONTINUES COMPLEX WITH OPENING ST STRVICE ADVISED BY OPENATOR UPON T In of Period Diffect	ALTERNISTICS WE SELVED B COST MUSE REQUESTION ALL.)



DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Paravent to wretion 7 of the Cast Almes Repulsion Act this notice in to be completed by all companies or individuals carrying out replocation work prior to commismoment of work, and writish one month of actuation of work and one copy is to be writto each of the following:

Senior Reclementon Inspector, Victoria Datrict Inspector of Minus Regional Visser Rights Engineer

Dutrict Forester or Forest Ranger Regional Fish and Wildlife Office

PERMIT NO. _102

Coal Licence Numbers:Thmbull_	Area (West Face)	LEASE 1	
LOCATION: Mining Division Fort :	Steele	NTS Mep Sheet 1	
Let <u>50</u> • <u>10</u> · ₁₀₀₉ <u>114</u> • <u>5</u> ELKFORD.	2 ' Locally and Ascens -	ORDING RIVER AREA V	TA SPARWOOD AN
	Limited	FIR Mere's Cers, No17	19.00
OFERATOR: None Fording Rive	r Opprations	_ cmy_Elkford	Prov. <u>B</u> ,(
	1 Limited		None No. 865-227
		E]kford	
ESTIMATED DURATION OF WORK: F	May 1979	Octob	er 1979
ACTUAL DATE WORK COMPLETED: 1	Day N.A.		
ACTUAL DATE WORK COMPLETED:	LOYED20	_ HONTH	
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NOTE: Persuant to section B, subjection 21a1 of the Cool Mines Repulsion Act, "___nhere the employment at mechanical equipment is their to detuin the sectors of the lend in clearing, expering "tenching." the Application for a Reclamation Permit on the secence size is oliging to be supmined.

Vianoult _ TITLE _ Senior Mine Geologist DATE March 16, 1979

PAINT NAME P.M. Doignault

SIGNATURE OF APPLICANT



DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Portuant to section 7 of the Cost Mines Regulation Act this notice at to be completed by all companies or individuals sampling out exploration work prior to commencement of work, and within one month of oriention of work and one copy is to be each to sech of the following:

Senior Reclamation Importor, Vectoria Datuct Inspector of Minie Regional Water Rights Engineer

Detroit Forestar in Forest Ranger Reponal Fish, and Wildida Ottum

NAME OF	Morenty: Fording Coal Limited - 1	Fording River Opera	tions
	Number: North Eagle (12 & 13 Sea		
	Mining Division Fort Steele		
<u>ь. 50</u> •	10 Long 114- 52 Locally and Access	Fording River A	ea Via Sparwood and
Elkford			
OWNER:			
		Elkford	<u>B.C.</u>
OFERATOR	Norma Fording River Operations		
	Company Fording Coal Limited		Telephone No. 865-2271
	Box 100	emy_ Elkiora	B.C.
		<u>0</u>	
	ATE WORK COMPLEYED: DAT N.A.	Manth	
	TE NUMBER OF MEN EMPLOYED:		
EXPLORATE	ON WORK: Place out Completed D Current	enic measure - 1 metre - 3.3	iver.)
	distance, wight, method) Howst of Forest Service, "Lirence to Curt as Free Use Par	mit may be written a null field	
		Terel A.m. 3000	
Rood Control	men - Test worth Upgrading existing		
Union y ound	Exclerence NIL roads.		
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DATE FOR	ST SERVICE ADVISED BY OPERATOR UNT	Der BCES	.1.5.
Name and Th	Box 730, Fernie, B.		
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DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Pursuant to section 7 of the Casi Mines Repulsion Act this notice is to be completed by all companies or andmiduall carrying out exploration work prior to communication of work, and within and month of carbation of work and one ecoly is to be sent to each of the following

Senior Rectangeon Inspector, Viceoria Dissiet Inspector at Norm Regional Yustor Rights Engineer Deprati Forestan on Forest Ranger Regional Fish and Wildlifa Ottica

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	PERMIT NO. 102
	NAME OF PROPERTY: Fording Coal Limited - Fording River Operations
	Cast Lease Numbers Proposed K-4 Pit & East Linb of Eagle Mountain - 1EASE 2
	LOCATION: Mining Division Fort Steele MTS Map Simon (4.3. 426 786) 821/2 Lat 50 * 10 Long 114 * 52 Locating and Access FORDING RIVER AREA VIA SPARWOOD AND
	EXERCED.
	OWNER: Norme Fording Coal Limited Further No. 17 18 98
	ADDITAS BOX 100 Crry Elkford Fion B.C.
	OFERATOR: Name Fording River Operations - For Manuscan Ha, 17 18 98
	Company Fording Coal Limited Tempers No. 865-2271
	Addiess Box 100 City Elkford From B.C.
	ESTIMATED DURATION OF WORK; FIOT May 1979 October 1979
	ACTUAL DATE WORK COMPLETED: Day N.A. Month 19
	APPADXIMATE NUMBER OF MEN EMPLOYED
	EXPLORATION WORK: Prozona 🖄 Completed 🗋 (Use mains measure = 1 metre = 3.3 (net)
	Linesursung förstance, width, methods)NIL
	Drilling - No. of Sites 9 Total Area 2700 total Area
	Road Construction - 70201 Langth 4050 meters Approximate Wath 6 meters meters
	Underground Exploration free
	Tranching - Number Total Longth man watch watch man
	Test Pitting - Number 4 Test Ontwided Ares 29,400
	Work by Sett D Constructors Not Determined Yet.
	DATE FOREST SERVICE ADVISTO BY OPERATOR: Upon receipt of this Notice.
	Normand Talk of Foren Official J.L. Hanghrey Ranger B.C.F.S.
	Rox 730, Fernie, B.C.
1	E: Burwant to waite a subwrition Dial of the Coal Silver Reputation Act "where the employment of mathemical equipment is like to derived the surface of the land in clearing sempting manching" The Application for a Becametion Parmit on the reverse the
	atio to be submitted.
	nn Ali I
N	ATURE OF APPLICANT 1. 24 Angiant TITLE Senior Mine Coologi
H	s wante P.M. Daismault Date Harch 16, 1979



DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

NOTICE OF WORK ON A COAL LICENCE

Purspent so section 7 of the Coal Mines Reputetion Act this notice is to be completed by all companies or individuals carrying out exploration work prior to commanisment of work, and within and month of octation of work and one copy it to be sent to each of the following:

Senior Reclamation Inspector, Victoria District Inspector of Minus Regional Water Rights, Engineer

Diriest Forester or Forest Ranger Regional Fach and Wildlife Office

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L. 	ELKFORD	10 - Long 114 - 52 - Locality and Arc-			
•	ELKFORD.		<u>, FORDING FIVER A</u>	<u>REA VIA SPARWX</u>	D AND
-	WHER:	Fording Cash Timbers			
		Nume Fording Coal Limited	Eren Miner's Certy F	17 18 98	
		Action Box 100	Elkford		<u>. B.C.</u>
¢	PERATORS	Nome Fording River Operations		17 18 98	
		Company Fording Coal Limited		Telephone No. 865	
		Address Box 100	Elkford		<u>B.C.</u>
		OURATION OF WORK: From May 1979			
	CTUAL DA	TE WORK COMPLETED: Day N.A.	Menth		
	PROXIMA	TE NUMBER OF MEN EMPLOYED:			
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	TE +0415	T SERVICE ADVISED BY OPERATOR UPOD	receipt of this h	Notice.	Arth
**•			Hamphrey Kang		
	Bretta		730, Fernie, B.C.		
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10. FORMS - APPLICATION FOR A RECLAMATION PERMIT ON A COAL LICENCE

A) #1 & #2 Pit "G" & "H" Pit Greenhills

B) Turnbull Area (West Face)

C) North Eagle (12 & 13 Seam) and Clode Pit

D) Proposed K-4 Pit & East Limb of Eagle Mountain

E) K Seam, 3,4, & 5 A Spoil, North Greenhills

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4	Con Contexaster 1423 LAGO	
2	DEPARTMENT OF MINES AND PETROLEUM RESOURCES	
æ	MINERAL RESOURCES BRANCH	
	INSPECTION AND ENGINEERING DIVISION	
A	APPLICATION FOR A RECLAMATION PERMIT ON A COAL LICENCE	
	Pursuent to write a the Cost Himes Repulsion ACL, the form is to be completed when applying for a Reclamation Fermily, when care array is when reporting applies and were to be done. When exporting on work, which has been done, we realistation at the bottom of the gase. For economical demonstration and environmental control, we booket enviroled. Containes for Cast and Minute Exploration, which is evolution at the opportunity.	
	PERMIT NO. 102	
۶.	THIS 25: An Innul Application D Earnersh 2 Monor of Proceed Experience West D Pit Greenhills	
3.	PRESENT STATE OF LAND ON WHICH EXPLORATION WILL BE DON'T IS	
	Canada Land Inventory (norma ponista) _ moderate yield forest	
	French Land Une Generating Sumper etc.] forestry, limited wildlife	
	Type of Versions Engelman spruce, Alpine fir, Lodgepole pine	
	Array Forents are comprised Mumerous access roads, main roads in good condition	
	Company Die Wartung (Social condition) Area was logged in 1976 - 77, old and new workings-	
•	Comparison, Die Werkunge Housenaan, zonderigen <u></u>	
з.	PROPOSED SURFACE WORK: Lamath 7 sopier of 1:50,000 MTS map with Tull earent of exploration work noted - Cool Third Relevence Maph.) (Up methic measure -) methics 3.3 (1952)	· -
	Roads: Teres length920 metrice Tores deformed area5520	
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	Tranchas: Total No.	
	Smelude provid slade at month on NTS map)	
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	(1) Dismaid Drill (Skid manted)	
	(1) Rotary Drill (Truck monted)	1
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	Name of Official	1
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	کوردوانوی می اور	
	SIGNATURE OF APPLICANT Backe EATS 21/03/79	
6 .	Reclemation Technician Company Fording Coal Limited	
	FOR DEPARTMENT OF MINES USE DNLY	
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	t Minister's Approvel Order the Council	1
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25	DEPARTMENT OF MINES AN	D PETROLEUM I	RESOURCES
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	INSPECTION AND EN	GINEERING DIVISIO	n -
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	6. (1) diamond drill (skid mounted)	(4)	
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COAL EXPLORATION FORM 7-8

DEPARTMENT OF MINES AND PETROLEUM RESOURCES MINERAL RESOURCES BRANCH INSPECTION AND ENGINEERING DIVISION

APPLICATION FOR A RECLAMATION PERMIT ON A COAL LICENCE

Furthern to exchange 8 of the Cost Miner Reputation Act, this form is to be exampleted when applying for a ferranzion Permy, when serving sense or when reporting explosition work to be done. When reporting no work which has been done, we implusions at the borrow of the page. For incommunation indiate or estancial and environmental control, and book as enjoined, Guidelines for Cost and Minuted Exploration, which a example of the office of the Danic Timprican of Menny.

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