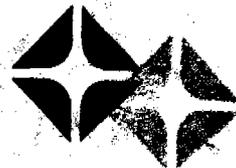


Beaver Creek Coal Company
Gordon Creek No. 2/7
Annual Report 1985

Beaver Creek Coal Company
P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



April 8, 1986

Mr. Lowell Braxton
Administrator
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 300
Salt Lake City, Utah 84180-1203

Re: 1985 Annual Report
Gordon Creek No. 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Enclosed is the Annual Report for Coal Mining and Reclamation
Operations for 1985 for Gordon Creek No. 2/7 Mines.

If you have any questions or need any further information, please let
me know.

Respectfully,

Dan W. Guy,
Manager, Permitting & Compliance

cc: J. Marshall
File 4-P-5-1-1

RECEIVED
APR 10 1986

DIVISION OF
OIL, GAS & MINING

(December 1985)

COAL MINING AND RECLAMATION OPERATIONS FOR 1985
(Authority UMC 784)

(Must be submitted to the Division by March 31, 1986)

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203
(801) 538-5340

Operator: Beaver Creek Coal Company
Mine Name: Gordon Creek No. 2 Mine
Mailing Address: PO Box 1378, Price, Utah 84501
Company Representative: Dan W. Guy
Permit No.: ACT/007/016
Date of Permanent Program Permit: 8/27/84
Quantity of Coal Mined (tonnage) 1985: #2 - 348,107 Tons
#7 - 365,113 Tons
Attach Most Recent Certificate of Insurance. (Included)
Attach Updated Mine Sequence Map. (Included - See Subsidence Maps)

All monitoring activities during the report period must be submitted with this report: (including, but not limited to)

- A. Water Monitoring Data (Included)
- B. Precipitation Data (Included)
- C. Subsidence Monitoring (Included)
- D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final) (Included)
- E. Permit Stipulation Status (Included)
- F. Modifications / Amendments (Included)
- G. Notifications (Included)

GORDON CREEK NO. 2/7 MINES

CERTIFICATES OF INSURANCE

CERTIFICATE OF INSURANCE

(This Certificate of Insurance neither affirmatively nor negatively amends, extends or alters the coverage, limits, terms or conditions of the policies it certifies.)

FIGURE 2-1

This is to Certify to

State of Utah
Dept. of Oil, Gas & Mining
1589 West North Temple
Salt Lake City, Utah 84116

COMPANY CODES

- 2 INA UNDERWRITERS INS. CO.
- 3 INA OF TEXAS
- 5 PACIFIC EMPLOYERS INS. CO.
- 9 INSURANCE COMPANY OF NORTH AMERICA
- A INA INS. CO. OF ILLINOIS
- B INA INS. CO. OF OHIO
- (OTHER; - SPECIFY) FOLD

That the following described policy or policies, issued by The Company as coded below, providing insurance only for hazards checked by "X" below, have been issued to:

NAME AND ADDRESS OF INSURED
Atlantic Richfield Company, Its subsidiaries and subsidiaries thereof as now or hereinafter constituted, Atlantic Richfield Plaza, 515 So. Flower St., Los Angeles, CA 90071

covering in accordance with the terms thereof, at the following location(s):

Including Beaver Creek Coal Company

	TYPE OF POLICY	HAZARDS	CO. CODE	POLICY NUMBER	POLICY PERIOD	LIMITS OF LIABILITY
Bodily Injury	(a) Standard Workmen's Compensation & Employers' Liability	<input type="checkbox"/>	<input type="checkbox"/>			Statutory W. C. One Accident and Aggregate Disease
	(b) General Liability Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9	SCG 1440	01-01-81 to 01-01-84	} \$ s*See Below } \$ Aggregate—Completed Operations/Products
Independent Contractors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9				
Completed Operations/Products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9				
Contractual, (Specific type as described in footnote below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9				
Property Damage	Premises—Operations (including "Incidental Contracts" as defined below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9	SCG 1440	01-01-81 to 01-01-84	} \$ s*See Below } \$ } \$ } \$ Aggregate—Prem./Oper. Aggregate—Protective Aggregate—Completed Operations/Products Aggregate—Contractual
	Independent Contractors	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
	Completed Operations/Products	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
	Contractual, (Specific type as described in footnote below)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
Bodily Injury	(c) Automobile Liability Owned Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9	SCA 5343	01-01-81 to 01-01-84	} \$ } \$ } \$ Each Person Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
	Hired Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
	Non-owned Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
Property Damage	Owned Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9	SCA 5343	01-01-81 to 01-01-84	} \$ } \$ } \$ Each { <input type="checkbox"/> Accident <input type="checkbox"/> Occurrence
	Hired Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
	Non-owned Automobiles	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/> 9			
(d) See reverse side for additional wording				* \$2,000,000 Combined Single Limit per occurrence subject to aggregate of \$2,000,000 where applicable. This Policy covers all operations in all States.		

Contractual Footnote: Subject to all the policy terms applicable, specific contractual coverage is provided as respects

(Check a contract
(Applicable) purchase order agreements
(Block) all contracts } between the Insured and:

It is the intention of the company that in the event of cancellation the policy or policies by the company, ten (10) days' written notice of such cancellation will be given to you at the address stated above.

NAME OF OTHER PARTY

DATE (if applicable)

CONTRACT NO. (if any)

DESCRIPTION (OR JOB)

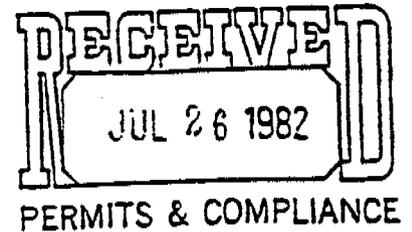
Definitions: "Incidental contract" means any written (1) lease of premises (2) easement agreement, except in connection with construction or demolition operations on or adjacent to a railroad, (3) undertaking to indemnify a municipality required by municipal ordinance, except in connection with work for the municipality, (4) sidetrack agreement, or (5) elevator maintenance agreement.

Coverage includes use of explosives and damage to water wells. It is hereby understood and agreed that the insurers notify the State of Utah, Division of Oil, Gas & Mining, whenever substantive changes are made in the policy, including any termination or failure to renew in accordance with UMC 806.14 (c).

AtlanticRichfieldCompany Finance
515 South Flower Street
Los Angeles, California 90071
Telephone 213 486 1374



H. A. Minehart
Risk Manager



July 22, 1982

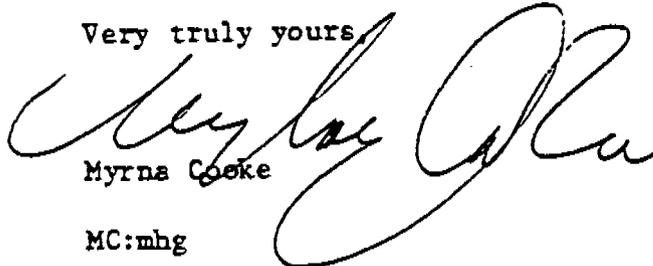
State of Utah
Division of Oil, Gas and Mining
Utah Department of Natural Resources
4241 State Office Building
Salt Lake City, UT 84114

Attention: Mr. James W. Smith, Jr.
Coordinator, Mined Land Development

Gentlemen:

With respect to our Certificate of Insurance issued to your office on March 9, 1981, with an expiration date of January 1, 1984, please be advised that the General Liability Insurance will be renewed on January 1, 1984, for another three-year period, at which time a new Certificate will be furnished to the State of Utah, Division of Oil, Gas and Mining.

Very truly yours,



Myrna Cooke

MC:mhg

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FIGURE 2-2
Land Office & Serial Number
Salt Lake City, Utah
U-8319

STATEWIDE OR NATIONWIDE MINERAL LEASE BOND
(EXCEPT OIL AND GAS)

KNOW ALL MEN BY THESE PRESENTS, That we,

SWISHER COAL COMPANY, a Utah Corporation

of the county of Carbon, in the State of Utah

as principal, and AETNA CASUALTY & SURETY CO., of the county of Hartford

in the State of Connecticut, as surety, are held and firmly bound unto the United States

of America in the sum of Twenty Five Thousand Dollars

(\$25,000.00) lawful money of the United States, for which payment, well and truly to be made, we, by these presents, bind ourselves, and each of us, and each of our heirs, executors, administrators, successors, and assigns, jointly and severally, upon the following conditions, viz:

If the amount of this bond is \$75,000, or if it is raised by an attached rider to that amount, coverage shall extend to all the principal's holdings involving deposits in the United States, including Alaska, under the Act or Acts cited in Schedule A.

If the amount of this bond is \$25,000, its coverage extends only to the principal's holdings involving coal deposits in the State named in Schedule A. Furthermore, such coverage is confined to the holdings under the Public Domain Leasing Act of February 25, 1920 (41 Stat. 437) as amended.

SCHEDULE A

Public Domain Leasing Act of February 25, 1920 (41 Stat. 437) as amended and supplemented (30 U.S.C. 351-357)		Acquired Lands Leasing Act of August 7, 1947 (61 Stat. 913; 30 U.S.C. 351-359)	
NAME OF STATE	LEASE NUMBER	NAME OF STATE	LEASE NUMBER
Utah	U-8319		
and other federal leases now covered by individual bonds which coverage is in process of being transferred by rider or otherwise statewide bond.			
The principal and surety both agree to "assume the liability for the necessary reclamation and abandonment work required as a result of operations on the lease lands prior to the date of the assignment" of U-8319.			

The conditions of the foregoing obligations are such that, whereas the said principal, in one or more of the following ways, has an interest in mineral leases issued under the Act or Acts cited in Schedule A of this bond:

1. as the lessee of such leases;
2. as the approved holder of operating rights in all or part of the lands covered by such leases under operating agreements with the lessees; and
3. as designated operator or agent under such leases pending approval of an assignment or operating agreement; and

WHEREAS the principal is authorized to drill for, mine, extract, remove, and dispose of mineral deposits in or under the lands covered by the leases, operating

agreements or designations, and is obligated to comply with certain covenants and agreements set forth in such instruments; and

WHEREAS the principal agrees that the coverage of this bond, in addition to the present holdings of the principal shall extend to and include:

1. Any mineral lease hereafter issued to, or acquired by, the principal affecting mineral deposits in the State or States now named in Schedule A, or later named in a rider, the coverage to be confined in the principal's holdings under the Act or Acts cited at the head of the column in which the name(s) of the State or States appears and to become effective immediately upon such issuance or upon departmental approval of a transfer in favor of the principal.

2/15/83

2-22

2. Any operating agreement entered into or acquired by the principal, affecting mineral deposits in the States now named in Schedule A, or later named in a rider, relating to mineral leases issued under the Act or Acts cited in Schedule A at the head of the column in which the name of the State is placed. The coverage shall become effective immediately upon departmental approval of the agreement or of a transfer of an operating agreement to the principal.

3. Any designation subsequent hereto of the principal as operator or agent of a lessee under a lease issued pursuant to an Act or Acts cited in Schedule A and covering lands in a State named in Schedule A, either presently or by rider. This coverage shall become effective immediately upon the filing of such a designation under a lease.

4. Any extension of a lease covered by this bond, such coverage to continue without any interruption due to the expiration of the term set forth in the lease.

WHEREAS the principal hereby agrees that notwithstanding the termination of any lease or leases, operating agreements or designations as operator or agent covered by this bond, whether the termination is by operation of law or otherwise, the bond shall remain in full force and effect as to any remaining leases, operating agreements, or designations covered by the bond; and

WHEREAS the principal as to any lease or part of a lease for lands as to which he has been designated as operator or agent, or approved as operator, in consideration of being permitted to furnish this bond in lieu of

the lessees, and by these presents does hereby bind himself to fulfill, on behalf of each lessee, all the obligations of each such lease for the entire leasehold in the same manner and to the same extent as though he were the lessee; and

WHEREAS the principal agrees that notwithstanding any use of the security pledged herewith for the purpose for which it is pledged, the bond shall remain in full force and effect in the sum above set forth and that he will, whenever so required by the lessor, deposit additional security to bring the security up to the full amount; and

WHEREAS the principal agrees that the neglect or forbearance of said lessor in enforcing, as against the lessees of such lessor, the payment of rental or royalties or the performance of any other covenant, condition, or agreement of the leases, shall not, in any way, release the principal from any liability under this bond; and

WHEREAS the principal agrees that in the event of any default under the leases, the lessor may commence and prosecute any claim, suit, action, or other proceeding against the principal without the necessity of joining the lessees.

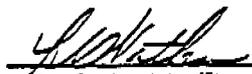
NOW, THEREFORE, if said principal shall in all respects faithfully comply with all of the provisions of the leases referred to hereinbefore, then the above obligations are to be void; otherwise to remain in full force and effect.

Signed on this 21st day of January, 1976, in the presence of:


(Signature of Principal)

607 Kearns Building, S.C. Utah 84101
(Address of Principal, include zip code)

[SEAL]


R. C. Watkins (Signature of Surety) Attorney-in-F

The Aetna Casualty & Surety Company
425 South Main, Salt Lake City, Utah 84
(Business Address of Surety, include zip code)

If this bond is executed by a corporation, it must bear the seal of such corporation

SPS 22-711



POWER OF ATTORNEY AND CERTIFICATE OF AUTHORITY OF ATTORNEY(S)-IN-FACT

KNOW ALL MEN BY THESE PRESENTS, THAT THE AETNA CASUALTY AND SURETY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, hath made, constituted and appointed, and does by these presents make, constitute and appoint **H. B. Cox, J. Keyser, R. C. Watkins or J. R. Breitweiser** - -

of **Salt Lake City, Utah**

its true and lawful Attorney-in-Fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area thus designated

the following instrument(s):
by his sole signature and seal, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any and all contracts incident thereto

and to bind THE AETNA CASUALTY AND SURETY COMPANY, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of THE AETNA CASUALTY AND SURETY COMPANY, and all the acts of said Attorneys-in-Fact, pursuant to the authority herein given, are hereby certified and confirmed.

This appointment is made under and by authority of the following Standing Resolutions of said Company which Resolutions are now in full force and effect:

VOTED: That each of the following officers: Chairman, Vice Chairman, President, Any Executive Vice President, Any Senior Vice President, Any Vice President, Any Assistant Vice President, Any Secretary, Any Assistant Secretary, may from time to time appoint Resident Vice Presidents, Resident Assistant Secretaries, Attorneys-in-Fact, and Agents to act for and on behalf of the Company and may give any such appointee such authority as his certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors may at any time remove any such appointee and revoke the power and authority given him.

VOTED: That any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the Chairman, the Vice Chairman, the President, an Executive Vice President, a Senior Vice President, a Vice President, an Assistant Vice President or by a Resident Vice President, pursuant to the power prescribed in the certificate of authority of such Resident Vice President, and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary or by a Resident Assistant Secretary, pursuant to the power prescribed in the certificate of authority of such Resident Assistant Secretary; or (b) duly executed under seal, if required, by one or more Attorneys-in-Fact pursuant to the power prescribed in his or their certificate or certificates of authority.

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Standing Resolution voted by the Board of Directors of THE AETNA CASUALTY AND SURETY COMPANY which Resolution is now in full force and effect:

VOTED: That the signature of each of the following officers: Chairman, Vice Chairman, President, Any Executive Vice President, Any Senior Vice President, Any Vice President, Any Assistant Vice President, Any Secretary, Any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, THE AETNA CASUALTY AND SURETY COMPANY has caused the instrument to be signed by its Secretary and its corporate seal to be hereto affixed this 27th day of August, 1975



THE AETNA CASUALTY AND SURETY COMPANY

By B I Rodding
Secretary

State of Connecticut }
County of Hartford }

On this 27th day of August, 1975, before me personally came **E. I. RADDING** Secretary

to me known, who, being by me duly sworn, did declare and say: that he is THE AETNA CASUALTY AND SURETY COMPANY, the corporation described in and which executed the above instrument; that he knows the seal of said corporation, that the seal affixed to the said instrument is such corporate seal; and that he executed the said instrument on behalf of the corporation by authority of the Board of Directors under the Standing Resolutions thereof.



E. I. Radding
Notary Public
My commission expires July 31, 1980

CERTIFICATE

I, the undersigned, Assistant Secretary of THE AETNA CASUALTY AND SURETY COMPANY, a stock corporation of the State of Connecticut, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not been revoked, and furthermore, that the Standing Resolutions of the Board of Directors, as set forth in the Certificate of Authority, are now in force.

Signed and Sealed at the Home Office of the Company, in the City of Hartford, State of Connecticut, Dated this

JANUARY 1976.

21st day of



[Signature]



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

41 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

December 20, 1984

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

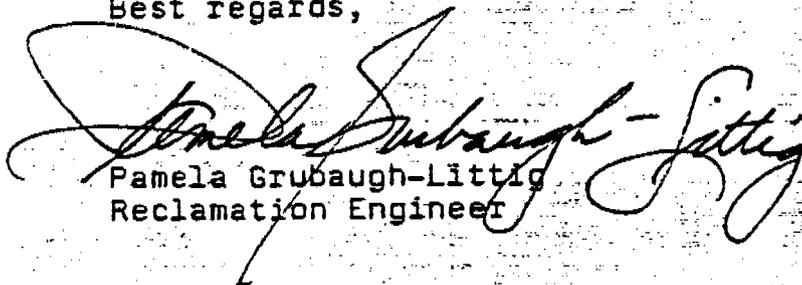
Dear Mr. Guy:

RE: Posted Bond in 1989 Dollars, Gordon Creek #2 and #7,
ACT/007/016, #5, Carbon County, Utah

I enclosed a signed original bond for your files. This bond represents posting of the reclamation surety in 1989 dollars for the Gordon Creek #2 and #7 operations.

If you have any comments, please let me know. Thank you for your cooperation.

Best regards,



Pamela Grubaugh-Littig
Reclamation Engineer

btb

Enclosure

cc: Mary Humphrey

Ron Daniels

Mary Boucek

8808R-33

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES AND ENERGY
DIVISION OF OIL, GAS AND MINING
4241 State Office Building
Salt Lake City, Utah 84111

RECEIVED
DEC 4 1984
DIVISION OF
OIL, GAS & MINING

THE MINED LANDS RECLAMATION ACT

BOND

The undersigned Beaver Creek Coal Company
as principal, and FEDERAL INSURANCE COMPANY as
surety, hereby jointly and severally bind ourselves, our heirs, administrators,
executors, successors and assigns unto the State of Utah, Division of Oil, Gas
and Mining, and the U. S. Department of the Interior, Office of Surface Mining
in the penal sum of Six hundred forty one thousand four hundred forty three and no/100
dollars (\$ 641,443.00). Such sum shall be payable to
one, but not both, of the above-named agencies.

The principal estimated in a "Notice of Intention to Commence Mining
Operations and a Mining and Reclamation Plan," filed with the Division of Oil,
Gas and Mining on the 2nd day of February,
1983, that 2,286.05 acres of land will be affected by this mining
operation in the State of Utah. A description of the affected land is attached
hereto as Exhibit "A."

If the principal shall satisfactorily reclaim the above-mentioned lands
affected by mining by the said principal in accordance with the Mining and
Reclamation Plan and shall faithfully perform all requirements of the Mined
Land Reclamation Act, and comply with the Rules and Regulations adopted in
accordance therewith, then this obligation shall be void; otherwise it shall
remain in full force and effect until the reclamation is completed as outlined
in the approved Mining and Reclamation Plan.

If the approved plan provides for reclamation of the land affected on a
piecemeal or cyclic basis, and the land is reclaimed in accordance with such
plan, then this bond may be reduced periodically.

In the converse, if the plan provides for a gradual increase in the area
of the land affected or increased reclamation work, then this bond may
accordingly be increased with the written approval of the surety company.

NOTE: Where one signs by virtue of Power of Attorney for a surety company, such Power of Attorney must be filed with this bond. If the principal is a corporation, the bond shall be executed by its duly authorized officers with the seal of the corporation affixed.

BEAVER CREEK COAL COMPANY
Principal (Company)

By *J. Merckhoff - President*
Company Official - Position

Date: November 28, 1984

FEDERAL INSURANCE COMPANY
Surety (Company)

By *Norman D. Squires*
Official of Surety - Position
Norman D. Squires, Attorney-in-Fact
447 East First South
Salt Lake City, Utah 84111

DATE: November 28, 1984

APPROVED AS TO FORM:

Barbara W. Roberts
Assistant Attorney General

STATE OF UTAH
County of Salt Lake

} ss.:

On this 28th day of November, in the year nineteen hundred
eighty four, A. D., before me, Mary Cristaudo, a Notary Public in and for
County of Salt Lake, State of Utah, residing therein, duly commissioned and

personally appeared Norman D. Squires
known to me to be the Attorney(s) in Fact of Federal Insurance Company execu
annexed instrument, and acknowledged to me that such Corporation executed th

IN WITNESS WHEREOF, I have hereunto set my hand and affixed by off
in said county the day and year in this certificate first above written.

Mary Cristaudo
Notary Public in and for the County of Salt Lake, State

My Commission expires July 4, 1987

POWER OF ATTORNEY

Know all Men by these Presents, That the FEDERAL INSURANCE COMPANY, 15 Mountain View Road, Warren, New Jersey, a New Jersey Corporation, has constituted and appointed, and does hereby constitute and appoint Norman D. Squires, Richard G. Taylor and George L. Williams, Salt Lake City, Utah-----

each a true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds of any of the following classes, to-wit:

1. Bonds and Undertakings filed in any suit, matter or proceeding in any Court, or filed with any Sheriff or Magistrate, for the doing or not doing of anything specified in such Bond or Undertaking.
2. Surety bonds to the United States of America or any agency thereof, including those required or permitted under the laws or regulations relating to Customs or Internal Revenue; License and Permit Bonds or other indemnity bonds under the laws, ordinances or regulations of any State, City, Town, Village, Board or other body or organization, public or private; bonds to Transportation Companies, Lost Instrument bonds; Lease bonds, Workers' Compensation bonds, Miscellaneous Surety bonds and bonds on behalf of Notaries Public, Sheriffs, Deputy Sheriffs and similar public officials.
3. Bonds on behalf of contractors in connection with bids, proposals or contracts.

In Witness Whereof, the said FEDERAL INSURANCE COMPANY has, pursuant to its By-Laws, caused these presents to be signed by its Assistant Vice-President and Assistant Secretary and its corporate seal to be hereto affixed this 12th day of December 19 83

Corporate Seal



Richard D. O'Connor
Assistant Secretary

FEDERAL INSURANCE COMPANY

By George McClellan

George McClellan
Assistant Vice-President

STATE OF NEW JERSEY }
County of Somerset } ss.

On this 12th day of December 19 83, before me personally came Richard D. O'Connor to me known and by me known to be Assistant Secretary of the FEDERAL INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney, and the said Richard D. O'Connor being by me duly sworn, did depose and say that he is Assistant Secretary of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company, and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; and that he is acquainted with George McClellan and knows him to be the Assistant Vice-President of said Company, and that the signature of said George McClellan subscribed to said Power of Attorney is in the genuine handwriting of said George McClellan and was thereto subscribed by authority of said By-Laws and in opponent's presence.

Notarial Seal



Acknowledged and Sworn to before me
on the date above written.

Alice Leonard

Notary Public

CERTIFICATION

ALICE LEONARD
NOTARY PUBLIC OF NEW JERSEY.
My Commission Expires June 28, 1988

STATE OF NEW JERSEY }
County of Somerset } ss.

I, the undersigned, Assistant Secretary of the FEDERAL INSURANCE COMPANY, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 11, 1953 and most recently amended March 11, 1983 and that this By-Law is in full force and effect.

"ARTICLE XVIII.

Section 2. All bonds, undertakings, contracts and other instruments other than as above for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice-Chairman or the President or a Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in Section 3 below, may execute any such bond, undertaking or other obligation as provided in such resolution or power of attorney.

Section 3. All powers of attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman or the Vice-Chairman or the President or a Vice-President or an Assistant Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed."

I further certify that said FEDERAL INSURANCE COMPANY is duly licensed to transact fidelity and surety business in each of the States of the United States of America, District of Columbia, Puerto Rico, and each of the Provinces of Canada with the exception of Prince Edward Island, and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by law.

I, the undersigned Assistant Secretary of FEDERAL INSURANCE COMPANY, do hereby certify that the foregoing Power of Attorney is in full force and effect.

GIVEN under my hand and the seal of said Company at Warren, N.J., this 28th day of November 19 84

Corporate Seal



Norman D. Squires
Assistant Secretary



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE
324 SOUTH STATE, SUITE 301
SALT LAKE CITY, UTAH 84111-2303

IN REPLY REFER TO

3400
U-8319
(U-942)

JUN 25 1985

DECISION

Beaver Creek Coal Company
555 Seventeenth Street
Denver, CO 80217

:
:
:

Coal
U-53159



Bond Accepted

On April 11, 1985, a coal lease bond (No. 8105 27 12) in the amount of \$123,000, with Beaver Creek Coal Company as principal and Federal Insurance Company as surety, was filed in this office to provide bond coverage for coal lease U-8319.

The bond has been examined, found to meet the requirements of the regulations in 43 CFR 3474.2(a), and is accepted effective as of the date filed.

Chief Minerals
Adjudication Section



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE
324 SOUTH STATE, SUITE 301
SALT LAKE CITY, UTAH 84111-2303

IN REPLY REFER TO

3400
U-53159
(U-942)

JUN 25 1985

DECISION

Beaver Creek Coal Company
555 Seventeenth Street
Denver, CO 80217

:
:
:

Coal
U-53159



Rider to Bond Accepted

On April 11, 1985, a rider to coal lease bond (No. 8094 25 99), with Beaver Creek Coal Company as principal and Federal Insurance Company as surety, covering coal lease U-53159 was filed.

The rider increases the coverage of this bond from \$10,000 to \$242,000. The rider has been examined, found to be satisfactory, and is hereby accepted effective the date of filing.

Chief, Minerals
Adjudication Section

GORDON CREEK NO. 2/7 MINES

1985

WATER MONITORING DATA

Beaver Creek Mine #2

Station: 2-1-W D = Discharge S = Spring ST = Stream
 Loc. : Lower Sed Pond PS = Perennial Stream IS = Inter- mittent Stream SP = Seep
 Year : 1985 ES = Ephemeral Stream R = Runoff DH = Ditch

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	D & G
01/15	D	Monthly	Dry													
02/19	D	Monthly	24.96	7.10	7.90	10.00	580.00	1040.00	360.00	8.00	0.21	0.02	0.58	91.00	50.00	1.00
03/18	D	Monthly	18.20	7.40	8.20	4.00	640.00	720.00	450.00	20.00	0.84	0.02	0.49	128.00	98.00	0.10
04/15	D	Monthly	12.60	8.00	8.10	5.00	600.00	610.00	470.00	36.00	0.43	0.03	0.58	107.00	97.00	-1.00
05/15	D	Monthly	150.00	8.40	8.20	4.00	800.00	857.00	886.00	6.00	0.02	-0.02	-0.02	334.00	78.00	NT
06/14	D	Monthly	Dry													
07/19	D	Monthly	2.60	7.60	7.20	8.00	3540.00	3020.00	2330.00	15.00	0.21	0.05	1.67	391.00	785.00	-1.00
07/24	D	Monthly	18.00	7.80	7.20	9.00	1500.00	1790.00	962.00	28.00	0.44	0.03	1.31	230.00	293.00	-1.00
08/07	D	Monthly	12.00	8.00	7.80	9.00	1140.00	1240.00	665.00	11.00	0.09	0.02	0.22	175.00	137.00	1.00
09/26	D	Monthly	Dry													
10/15	D	Monthly	Dry													
11/04	D	Monthly	7.50	8.00	7.90	4.00	1290.00	1350.00	756.00	18.00	0.12	0.08	0.30	210.00	234.00	-1.00
12/02	D	Monthly	0.86	8.10	8.00	4.00	1290.00	1750.00	970.00	10.00	0.13	0.20	0.09	263.00	313.00	
Mean	:		27.41	7.82	7.83	6.33	1264.44	1375.22	872.11	16.88	0.27	0.04	0.58	214.33	231.66	-0.27

Beaver Creek Mine #2

Station: 2-2-W

Loc. : Bryner Canyon below mine

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & G
01/15	IS	Monthly	300.00	8.00	8.10	0.00	600.00	620.00	370.00	482.00	1.01	34.00	2.27	66.00	11.00	NA
02/19	IS	Monthly	165.00	8.00	8.10	2.00	700.00	670.00	415.00	8.00	0.26	0.02	0.70	88.00	10.00	NA
03/18	IS	Monthly	149.00	8.00	8.10	2.00	650.00	670.00	470.00	4.00	0.38	0.02	0.31	95.00	9.00	NA
04/15	IS	Monthly	137.21	8.10	8.30	6.00	400.00	400.00	270.00	213.00	2.86	0.10	2.81	45.00	5.00	NA
05/15	IS	Monthly	514.56	8.20	8.40	5.00	500.00	498.00	284.00	66.00	0.82	0.02	2.68	33.00	6.00	NA
06/14	IS	Monthly	1372.16	8.30	8.30	9.00	420.00	428.00	236.00	46.00	0.55	0.02	2.09	33.00	8.00	NA
07/19	IS	Monthly	1372.16	8.10	8.40	8.00	500.00	532.00	316.00	185.00	2.43	0.08	0.93	56.00	7.00	NA
08/18	IS	Monthly	490.00	8.00	8.00	6.00	550.00	542.00	326.00	26.00	0.32	0.01	0.59	62.00	8.00	NA
09/26	IS	Monthly	159.00	8.10	8.20	7.00	500.00	559.00	346.00	8.00	0.08	0.01	0.55	72.00	9.00	NA
10/15	IS	Monthly	138.00	8.10	8.20	3.00	600.00	580.00	340.00	14.00	0.09	0.01	0.52	66.00	9.00	NA
11/04	IS	Monthly	162.00	8.10	8.20	5.00	590.00	610.00	380.00	4.00	0.09	0.01	0.52	88.00	10.00	NA
12/02	IS	Monthly	168.00	8.10	8.30	2.00	590.00	617.00	364.00	8.00	-0.02	-0.01	0.78	72.00	7.00	NA
Mean	:		427.25	8.09	8.21	4.58	550.00	560.50	343.08	88.66	0.73	2.85	1.22	64.66	8.25	0.00

Beaver Creek Mine #2

Station: 2-3-W

Loc. : Lower Beaver Creek

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & G
01/15	PS	Monthly	Inacc.													
02/19	PS	Monthly	Inacc.													
03/18	PS	Monthly	Inacc.													
04/15	PS	Monthly	Inacc.													
05/15	PS	Monthly	Inacc.													
06/14	PS	Monthly	587.45	8.00	8.20	7.00	440.00	460.00	266.00	32.00	0.65	0.04	2.03	17.00	4.00	NA
07/19	PS	Monthly	160.00	8.00	8.30	8.00	500.00	507.00	292.00	52.00	1.44	0.08	1.42	25.00	4.00	NA
08/18	PS	Monthly	69.00	8.10	8.10	6.00	640.00	490.00	294.00	16.00	0.32	0.04	1.22	12.00	5.00	NA
09/26	PS	Monthly	36.00	8.00	8.20	7.00	500.00	487.00	312.00	4.00	0.47	0.07	1.05	19.00	5.00	NA
10/15	PS	Monthly	82.40	8.10	8.10	3.00	500.00	520.00	278.00	14.00	0.50	0.08	1.18	21.00	5.00	NT
11/04	PS	Monthly	Inacc.													
12/02	PS	Monthly	Inacc.													
Mean	:		186.97	8.04	8.18	6.20	516.00	492.80	288.40	23.60	0.67	0.06	1.38	18.80	4.60	0.00

Beaver Creek Mine #2

Station: 2-4-W

Loc. : Upper Beaver Creek

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & G
01/15	PS	Monthly	Inacc.													
02/19	PS	Monthly	Inacc.													
03/18	PS	Monthly	Inacc.													
04/15	PS	Monthly	Inacc.													
05/15	PS	Monthly	Inacc.													
06/14	PS	Monthly	587.45	8.00	8.20	7.00	440.00	460.00	237.00	66.00	0.62	0.03	2.62	14.00	3.00	NA
07/19	PS	Monthly	68.00	8.10	8.30	8.70	500.00	506.00	284.00	28.00	0.49	0.04	2.14	17.00	3.00	NA
08/18	PS	Monthly	48.00	8.20	8.10	6.00	510.00	549.00	306.00	8.00	0.10	0.03	2.32	17.00	3.00	NA
09/26	PS	Monthly	29.00	8.00	8.00	8.00	450.00	463.00	304.00	-2.00	0.05	0.02	1.79	21.00	5.00	NA
10/15	PS	Monthly	67.60	8.00	7.90	3.00	500.00	500.00	270.00	8.00	0.05	0.03	1.63	23.00	5.00	NT
11/04	PS	Monthly	Inacc.													
12/02	PS	Monthly	Inacc.													
Mean :			160.01	8.06	8.10	6.54	480.00	495.60	280.20	21.60	0.26	0.03	2.10	18.40	3.80	0.00

Beaver Creek Mine #2

Station: 2-5-W

Loc. : Beaver Creek Spring

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	D & G
01/15	S	Monthly	Inacc.													
02/19	S	Monthly	Inacc.													
03/18	S	Monthly	Inacc.													
04/15	S	Monthly	Inacc.													
05/15	S	Monthly	Inacc.													
06/14	S	Monthly	36.00	8.00	8.20	6.00	440.00	454.00	266.00	34.00	0.68	0.04	1.94	12.00	3.00	NA
07/19	S	Monthly	1372.16	8.00	8.10	5.00	450.00	485.00	276.00	34.00	0.77	0.06	1.29	17.00	3.00	NA
08/18	S	Monthly	39.00	8.10	8.10	5.00	536.00	550.00	288.00	6.00	0.21	0.01	1.32	14.00	4.00	NA
09/26	S	Monthly	22.00	8.00	8.00	4.00	450.00	485.00	328.00	2.00	0.26	0.01	1.25	14.00	4.00	NA
10/15	S	Monthly	22.00	8.00	7.90	4.00	450.00	480.00	264.00	8.00	0.08	0.01	1.02	16.00	4.00	NT
11/04	S	Monthly	Inacc.													
12/02	S	Monthly	Inacc.													
Mean			298.23	8.02	8.06	4.80	465.20	490.80	284.40	16.80	0.40	0.02	1.36	14.60	3.60	0.00

Beaver Creek Mine #2

Station: 2-6-W

D = Discharge

S = Spring

ST = Stream

Loc. : Lease Mod. Spring

PS = Perennial Stream

IS = Inter- mittent Stream

SP = Seep

Year : 1985

ES = Ephemeral Stream

R = Runoff

DH = Ditch

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & G
01/15	S	Monthly	Inacc.													
02/19	S	Monthly	Inacc.													
03/18	S	Monthly	Inacc.													
04/15	S	Monthly	Inacc.													
05/15	S	Monthly	Inacc.													
06/14	S	Monthly	6.80	8.00	8.00	6.00	500.00	498.00	238.00	144.00	1.49	0.11	1.30	17.00	6.00	NA
07/19	S	Monthly	3.60	8.10	8.20	6.00	550.00	542.00	316.00	46.00	0.96	0.06	1.10	21.00	7.00	NA
08/18	S	Monthly	0.18	8.00	8.00	6.00	525.00	523.00	296.00	8.00	0.09	0.02	0.97	25.00	7.00	NA
09/26	S	Monthly	1.20	8.00	8.00	4.00	500.00	492.00	294.00	8.00	0.09	0.01	1.91	21.00	7.00	NA
10/15	S	Monthly	1.70	8.00	8.10	4.00	500.00	480.00	260.00	18.00	0.11	0.01	0.88	16.00	6.00	NA
11/04	S	Monthly	Dry													
12/02	S	Monthly	Dry													
Mean :			2.69	8.02	8.06	5.20	515.00	507.00	280.80	44.80	0.54	0.04	1.23	20.00	6.60	0.00

Beaver Creek Mine #2

Station: 2-7-W

Loc. : Left Fork B. C.

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	D & G
01/15	ES	Monthly	Dry													
02/19	ES	Monthly	Dry													
03/18	ES	Monthly	Frozen													
04/15	ES	Monthly	3.60	8.00	8.20	3.00	600.00	620.00	410.00	306.00	6.55	0.32	9.50	126.00	12.00	NA
05/15	ES	Monthly	6.70	8.00	8.20	5.00	1000.00	976.00	650.00	156.00	1.35	0.13	1.34	156.00	9.00	NA
06/14	ES	Monthly	16.20	8.00	7.90	9.00	1000.00	1010.00	654.00	60.00	0.66	0.13	0.83	165.00	28.00	NA
07/19	ES	Monthly	1.80	8.00	8.10	9.00	1000.00	1310.00	788.00	134.00	2.57	0.12	1.36	281.00	38.00	NA
08/18	ES	Monthly	0.76	8.00	8.00	8.00	1200.00	1170.00	714.00	50.00	0.62	0.05	0.06	233.00	24.00	NA
09/26	ES	Monthly	0.16	8.10	8.20	7.00	650.00	681.00	424.00	48.00	1.53	0.05	0.07	56.00	30.00	NA
10/15	ES	Monthly	Dry													
11/04	ES	Monthly	Dry													
12/02	ES	Monthly	Dry													
Mean			4.87	8.01	8.10	6.83	908.33	961.16	606.66	125.66	2.21	0.13	2.19	169.50	23.50	0.00

Beaver Creek Mine #2

Station: 2-B-W

Loc. : Right Fork B. C.

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & B
01/15	ES	Monthly	Frozen													
02/19	ES	Monthly	Dry													
03/18	ES	Monthly	Frozen													
04/15	ES	Monthly	1.65	8.00	8.20	4.00	600.00	600.00	375.00	294.00	5.40	0.28	0.46	66.00	7.00	NA
05/15	ES	Monthly	4.60	8.30	8.30	4.00	700.00	727.00	432.00	96.00	0.87	0.04	0.47	78.00	8.00	NA
06/14	ES	Monthly	2.80	8.00	8.10	7.00	540.00	666.00	398.00	80.00	1.17	0.06	0.18	68.00	8.00	NA
07/19	ES	Monthly	2.10	8.20	8.20	7.00	590.00	680.00	352.00	86.00	1.25	0.06	0.14	60.00	19.00	NA
08/18	ES	Monthly	2.54	8.10	8.20	6.00	550.00	573.00	330.00	94.00	1.26	0.08	0.04	NT	6.00	NA
09/26	ES	Monthly	0.20	8.00	8.10	6.00	1000.00	1050.00	756.00	128.00	0.30	0.02	1.83	247.00	25.00	NA
10/15	ES	Monthly	0.20	8.00	8.10	3.00	600.00	620.00	384.00	22.00	0.40	0.02	0.27	7.00	7.00	NT
11/04	ES	Monthly	133.00	8.10	8.30	4.00	560.00	560.00	344.00	32.00	0.95	0.04	0.01	47.00	6.00	NT
12/02	ES	Monthly	1.10	8.10	7.90	2.00	590.00	626.00	372.00	6.00	-0.02	-0.01	0.73	80.00	10.00	NA
	Mean	:	16.46	8.08	8.15	4.77	647.77	678.00	415.88	93.11	1.28	0.06	0.45	81.62	10.66	0.00

Beaver Creek Mine #2

Station: 2-9-W

Loc. : Bryner Canyon below mine

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	0 & 6
01/15	ES	Monthly	Dry													
02/19	ES	Monthly	Dry													
03/18	ES	Monthly	Dry													
04/15	ES	Monthly	2.40	8.00	8.10	6.00	710.00	680.00	455.00	208.00	3.16	0.13	2.31	126.00	48.00	NA
05/15	ES	Monthly	186.00	8.00	8.10	5.00	1000.00	994.00	620.00	1770.00	34.00	1.47	0.86	183.00	77.00	NA
06/14	ES	Monthly	19.60	8.00	8.00	9.00	850.00	886.00	602.00	6.00	0.15	0.01	0.47	155.00	28.00	NA
07/19	ES	Monthly	1.20	8.10	8.20	9.00	2000.00	1900.00	1230.00	76.00	1.10	0.04	1.87	278.00	344.00	NA
08/18	ES	Monthly	Dry													
09/26	ES	Monthly	Dry													
10/15	ES	Monthly	Dry													
11/04	ES	Monthly	Dry													
12/02	ES	Monthly	Dry													
Mean :			52.30	8.02	8.10	7.25	1140.00	1115.00	726.75	515.00	9.60	0.41	1.37	185.50	124.25	0.00

Beaver Creek Mine #2

Station: 2-10-W

Loc. : Inflow Sed Pond

Year : 1985

Date	Type	Freq.	Flow	PH-F	PH-L	Temp	S.C.-F	S.C.-L	TDS	TSS	Iron	Mang.	Nitr.	Sulfate	Chloride	O & G
01/15	DH	Monthly	Dry													
02/19	DH	Monthly	Dry													
03/18	DH	Monthly	Frozen													
04/15	DH	Monthly	0.60	8.20	8.30	4.00	650.00	670.00	445.00	26.00	0.14	0.03	0.34	134.00	19.00	NA
05/15	DH	Monthly	6.20	8.00	8.10	4.00	900.00	899.00	606.00	36.00	0.20	-0.02	1.19	144.00	27.00	NA
06/14	DH	Monthly	0.82	8.00	7.80	6.00	850.00	858.00	638.00	18.00	0.40	0.01	0.65	144.00	25.00	NA
07/19	DH	Monthly	0.72	8.00	8.10	9.00	1000.00	1070.00	708.00	162.00	1.93	0.07	0.41	179.00	28.00	NA
08/18	DH	Monthly	75.00	8.10	7.70	7.00	540.00	813.00	562.00	10.00	0.29	0.02	0.06	263.00	48.00	-1.00
09/26	DH	Monthly	Dry													
10/15	DH	Monthly	Dry													
11/04	DH	Monthly	Dry													
12/02	DH	Monthly	Dry													
	Mean	:	16.66	8.06	8.00	6.00	788.00	862.00	591.80	50.40	0.59	0.02	0.53	172.80	29.40	-1.00



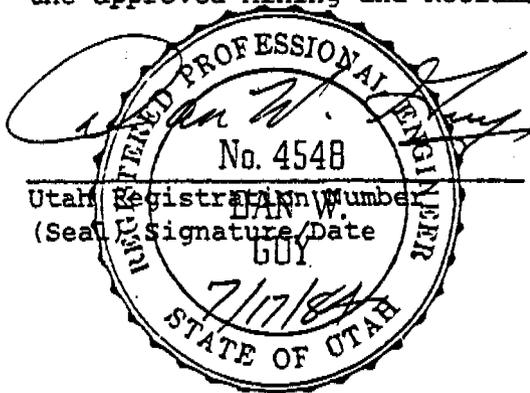
Date: July 17, 1984

Subject: Certification of Sediment Ponds

From/Location: D.W. Guy

To/Location: File

I, Dan W. Guy, a registered professional engineer State of Utah No. 4548, do hereby certify that the sediment control pond at the Gordon Creek No. 2 Mine has been constructed in accordance with the plan and design criteria set forth in the approved Mining and Reclamation Plan.



Utah Registration Number
(Seal Signature/Date)



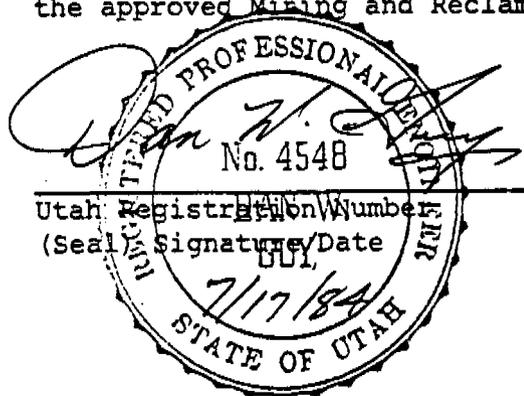
Date: July 17, 1984

Subject: Certification of Sediment Ponds

From/Location: D.W. Guy

To/Location: File

I, Dan W. Guy, a registered professional engineer State of Utah No. 4548, do hereby certify that the sediment control pond at the Gordon Creek No. 7 Mine has been constructed in accordance with the plan and design criteria set forth in the approved Mining and Reclamation Plan.



GORDON CREEK NO. 2/7 MINES

1985

PRECIPITATION DATA

BEAVER CREEK COAL COMPANY
RAIN GAUGE CHART

LOCATION #2

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
4/15/85	0	-	-	Re-Installed D.G.
4/16/85	0	-	-	Heala
4/17/85	0	-	-	Heala
4/18/85	0 .04	-	-	Heala
4/22/85	.95	-	-	Heala
4/23/85	.02	-	-	Heala
4/24/85	.02	-	-	Heala
4/25/85	.05	-	-	Heala
4/29/85	.35	-	-	Heala
4/30/85	0	-	-	Heala
5/1/85	0	-	-	Heala
5/6/85	.03	-	-	Heala
5/7/85	.03	-	-	Heala
5/8/85	0	-	-	Heala
5/9/85	0	-	-	Heala
5/13/85	.65	-	-	Heala
5/14/85	0	-	-	Heala
5/15/85	.02	-	-	Heala
5/16/85	0	-	-	Heala
5/20/85	.03	-	-	Heala
5/21/85	.27	-	-	Heala
5/22/85	0.35	-	-	Bot N.
5/23/85	.08	-	-	Heala
6/3/85	.15	-	-	Heala
6/4/85	0	-	-	Heala
6/5/85	0	-	-	Heala

BEAVER CREEK COAL COMPANY
RAIN GAUGE CHART

LOCATION #2

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
6/10/85	.15	0	0	Shelby
6/11/85	0	—	—	Shelby
6/12/85	0	—	—	Shelby
6/13/85	0	—	—	Shelby
6/14/85	0	—	—	Shelby
6/17/85	0	—	—	Shelby
6/18/85	0	—	—	Shelby
6/19/85	0	—	—	Shelby
6/20/85	0	—	—	Shelby
6-21-85	0.10			25
6-22-85	0.10			25
6-23-85	0.10			25
6-25-85	0.15			25
6-26-85	0.05			25
6-27-85	0			25
6-29-85	0			25
6-30-85	0			25
7-1-85	0			25
7-2-85	0			25
7-3-85	0			25
7-4-85	0			25
7-5-85	0			25
7-6-85	0			25
7-7-85	0			25
7-8-85	0			25
7-9-85	0			25
7-10-85	0.22			25

BEAVER CREEK COAL COMPANY

RAIN-GAUGE CHART

LOCATION #2

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
7-11-85	0.0	7:15	20	20
7-12-85	0.0	7:05	20	
7-13-85	0.0	9:20	20	
7-14-85	0.4	7:19	20	
7-15-85	0.3	7:14	20	
7-16-85	0.0	7:10	20	
7-17-85	0.0	9:10	20	
7-18-85	0.6 0.36	9:16A	20	
7-19-85	0.39	9:22	20	
7-20-85	0.40	7:14	20	
7-21-85	0.42	11:20	20	
7-22-85	0.36	11:35	20	
7-23-85	0.32	8:10 A	20	
7/24/85	.21	0	0	Reba
7/29/85	.19	0	0	Reba
7/30/85	.05	0	0	Reba
7/31/85	.01	0	0	Reba
8/5/85	0	0	0	Reba
8/6/85	0	0	0	Reba
8/7/85	0	0	0	Reba
8/8/85	0	0	0	Reba
8/12/85	0	0	0	Reba
8/12/85	0	0	0	Reba
8/14/85	0	0	0	Reba
8/15/85	0	0	0	Reba

BEAVER CREEK COAL COMPANY

RAIN GAUGE CHART

LOCATION #2

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
8/19/85	.15		Phelan	
8/20/85	0		Phelan	
8/22/85	0		Phelan	
8/26/85	0		Phelan	
8/27/85	0		Phelan	
8/28/85	0		Phelan	
9/3/85	0 .02		Phelan	
9/4/85	.23		Phelan	
9/6/85	0		Phelan	
9/6/85	0		Phelan	
9/9/85	.30		Phelan	
9/10/85	0		Phelan	
9/12/85	1.40		Phelan	
9/16/85	.01		Phelan	
9/17/85	0		Phelan	
9/18/85	0.18		D. S. Gandy	
9/19/85	1.26		D. S. Gandy	
9/23/85	0		Phelan	
9/24/85	0		Phelan	
9/25/85	0		Phelan	
10/1/85	0		Phelan	
10/2/85	0		Phelan	
10-9-85	1.41		Phelan	
10-14/85	.30		Phelan	
10-15-85	0		Phelan	
10-16-85	0		Phelan	
10-17-85	0		Phelan	

BEAVER CREEK COAL COMPANY
RAIN-GAUGE CHART

LOCATION 7

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
4/15/85	0"	—	—	Re-Installed D. G.
4/16/85	0	—	—	Phelan
4/17/85	0	—	—	Phelan
4/18/85	0 .04	—	—	Phelan
4/22/85	1.00	—	—	Phelan
4/23/85	.02	—	—	Phelan
4/24/85	.02	—	—	Phelan
4/25/85	.05	—	—	Phelan
4/29/85	.30	—	—	Phelan
4/30/85	0	—	—	Phelan
5/1/85	0	—	—	Phelan
5/6/85	.03	—	—	Phelan
5/7/85	.03	—	—	Phelan
5/8/85	0	—	—	Phelan
5/9/85	0	—	—	Phelan
5/13/85	.70	—	—	Phelan
5/14/85	0	—	—	Phelan
5/15/85	.02	—	—	Phelan
5/16/85	0	—	—	Phelan
5/20/85	.01	—	—	Phelan
5/21/85	.27	—	—	Phelan
5-22-85	0.35	—	—	B. Spitzer
5/28/85	.08	—	—	Phelan
4/3/85	.13	—	—	Phelan
4/4/85	0	—	—	Phelan
6/5/85	0	—	—	Phelan
1/1/85	0	—	—	Phelan

BEAVER CREEK COAL COMPANY

RAIN-GAUGE-CHART

LOCATION #7

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
6/10/85	.12	0	0	Shuler
6/11/85	0	—	—	Shuler
6/12/85	0	—	—	Shuler
6/13/85	0	—	—	Shuler
6/14/85	0	—	—	Shuler
6/17/85	0	—	—	Shuler
6/18/85	0	—	—	Shuler
6/19/85	0	—	—	Shuler
6/20/85	0	—	—	Shuler
6-21-85	0	—	—	20
6-22-85	0	—	—	20
6-23-85	0	—	—	20
6-24-85	0.20	7:30 AM	Shuler	20
6-25-85	0.22	7:40 AM	Shuler	20
6-26-85	.06	7:30 AM	W.P.W.	20
6-27-85	0	7:30 AM		20
6-28-85	0	7:35 PM		20
6-29-85	0	7:41 AM		20
6-30-85	0	7:46 AM		20
7-1-85	0			20
7-2-85	0			20
7-3-85	0			20
7-4-85	0			20
7-5-85	0			20
7-6-85	0			20
7-7-85	0			20
7-8-85	0			20

BEAVER CREEK COAL COMPANY

RAIN GAUGE-CHART

LOCATION # 7

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
7-9-85	0	11:00 A		25
7-10-85	0.02	7:31 A	H. B...	25
7-11-85	0.0	7:00 A	25	25
7-12-85	0.0	9:15 A	25	25
7-13-85	0.0	7:14 A	25	25
7-14-85	0.0	7:10 A	25	25
7-15-85	0.09	9:00 A	25	25
7-16-85	0.5	9:18 A	25	25
7-17-85	0.0	9:20 A	25	25
7-18-85	0.38	12:00 P	25	25
7-19-85	.44	10:05	25	
7-20-85	.47	10:15	25	
7-21-85	.49	11:10	25	
7-22-85	4/3 0.38 0.38	11:28	25	
7-23-85	.39	8:15 A	25	
7/24/85	.21	0	0	25
7/29/85	.13	0	0	25
7/30/85	.06	0	0	25
7/31/85	.01	0	0	25
8/1/85	0	0	0	25
8/2/85	0	0	0	25
8/3/85	0	0	0	25
8/4/85	0	0	0	25
8/5/85	0	0	0	25
8/6/85	0	0	0	25
8/7/85	0	0	0	25
8/8/85	0	0	0	25
8/9/85	0	0	0	25
8/10/85	0	0	0	25
8/11/85	0	0	0	25
8/12/85	0	0	0	25
8/13/85	0	0	0	25
8/14/85	0	0	0	25
8/15/85	0	0	0	25

RAIN-GAUGE-CHART

LOCATION # 7

DATE	GAUGE READING	TIME INTERVAL	MEASURED BY	REMARKS
8/19/85	.16		Wheeler	
8/20/85	0		Wheeler	
8/22/85	0		Wheeler	
8/26/85	0		Wheeler	
8/27/85	0		Wheeler	
8/28/85	0		Wheeler	
8/31/85	.02		Wheeler	
9/4/85	.23		Wheeler	
9/5/85	0		Wheeler	
9/10/85	0		Wheeler	
9/19/85	.30		Wheeler	
9/21/85	0		Wheeler	
9/22/85	1.30		Wheeler	
9/16/85	.01		Wheeler	
9/17/85	0		Wheeler	
9/18/85	0.26		D. Paul	
9/19/85	1.55		D. Paul	
9/23/85	0		Wheeler	
9/24/85	0		Wheeler	
9/25/85	0		Wheeler	
10/1/85	0		Wheeler	
10/2/85	0		Wheeler	
10-9-85	1.50		Wheeler	
10-14-85	.33		Wheeler	
10-15-85	0		Wheeler	
10-16-85	0		Wheeler	
10-17-85	0	water froze	Wheeler	

GORDON CREEK NO. 2/7 MINES

1985

SUBSIDENCE MONITORING

NOTE:

The No. 2 Mine subsidence points were not finished in 1985 due to weather conditions. A concentrated effort was made to establish the points at No. 7 Mine, since it was the only active mine in the area. By the time this work was finished, early snows prevented access to the area above No. 2 Mine. The attached sheet shows the stations surveyed in to date. The proposed stations will be established as early as possible in the Spring of 1986.

BEAVER CREEK COAL CO.
Survey Calculations

10-14-85 (INC.) 04.

Location #7 MINE - SUNDRIENCE POINTS
SURVEYED 9-24 TO 9-30-85

B.S.	A	F.S.	H. ∇	BEARING (AZ)	V. ∇	S.D.	H.D.	H.I.	H.S.	LATITUDE		DEPARTURE		COORDINATES		ELEV.	STA	REMARKS	
										($^{\circ}$) N	($^{\circ}$) S	($^{\circ}$) E	($^{\circ}$) W	NORTH	EAST				
		"H"																	
		"H" - "I"		317-44-26															
"H"	"I"	SUB #9	103-17-08	291-01-34	88-20-43	1970.370	1929.550	5.05	51.817		95.072	1723.042	493,536	179	2,116,721	122	8978.256	SUB #9	
"H"	"I"	SUB #8	267-47-13	45-31-39	98-32-39	1985.291	1957.800	5.05	43.547		343.130	349.515	494,833	389	2,118,793	679	8767.402	SUB #8	
"I"	"H"	SUB #10	130-04-22	355-36-01	99-47-03	1998.822	1976.025	5.33	102.742		594.289	45.729	495,427	658	2,118,747	955	8869.970	SUB #10	
"I"	"H"	SUB #9	120-03-55	345-35-34	99-42-59	1994.552	1984.513	5.33	46.503		376.663	96.761	495,210	052	2,118,696	918	8901.147	SUB #9	
"I"	"H"	SUB #4	347-54-24	305-38-50	86-24-22	1989.254	1983.199	5.12	193.679		1796.855	2505.855	494,364	317	2,117,685	829	9042.727	SUB #4	
"I"	"H"	SUB #7	26-02-24	343-46-50	92-54-42	1953.340	1950.181	5.11	124.621		654.377	654.377	494,920	123	2,119,506	907	8724.159	SUB #7	
"I"	"H"	SUB #6	34-45-50	352-30-24	94-45-35	1949.878	1941.567	5.11	191.177		363.193	363.193	494,948	540	2,119,878	091	8649.193	SUB #6	
"I"	"H"	SUB #3	347-31-36	305-16-02	91-49-21	1975.208	1871.300	5.11	161.212		1545.002	1545.002	493,660	058	2,118,646	282	8788.448	SUB #3	
"I"	"H"	SUB #2	329-43-39	287-28-05	93-35-19	1978.978	1970.291	5.11	161.301		1326.183	1326.183	492,984	793	2,118,845	101	8762.659	SUB #2	
"I"	"H"	SUB #5	328-42-19	286-26-45	84-54-15	1988.640	1972.085	5.11	372.013		1001.396	1001.396	493,748	616	2,116,189	888	9220.773	SUB #5	
"H"	"I"	SUB #1	209-48-03	315-44-48	92-30-02	1995.396	1995.115	5.60	12.811		205.941	205.941	493,959	985	2,115,983	947	9207.935	SUB #1	
"H"	"I"	SUB #14	171-19-11	296-58-01	87-27-37	1938.895	1938.437	5.47	17.459		752.236	1478.912	495,116	547	2,116,207	387	9059.411	SUB #14	
"H"	"I"	SUB #15	199-27-55	324-06-45	91-15-41	1931.393	1930.791	5.91	12.517		1564.377	1131.900	495,928	694	2,116,553	929	9000.420	SUB #15	
"I"	"H"	SUB #22	109-04-01	170-05-35	99-43-25	2022.305	1973.951	5.37	146.550		1963.530	342.936	491,572	644	2,117,067	058	8757.128	SUB #22	
"I"	"H"	SUB #21	115-42-48	176-44-16	103-40-18	1951.117	1940.061	5.37	342.711		1909.724	80.237	492,128	458	2,116,801	359	8755.014	SUB #21	
"I"	"H"	SUB #20	96-59-48	158-01-22	104-01-47	1982.217	1971.241	5.37	111.546		780.935	282.907	492,825	246	2,117,008	029	8908.332	SUB #20	
"I"	"H"	SUB #18	156-22-42	217-24-16	107-32-26	1997.849	1980.541	5.37	42.251		1076.461	839.54	492,439	517	2,115,882	526	8662.317	SUB #18	
"I"	"H"	SUB #17	174-35-46	237-37-20	102-53-27	1911.324	1911.117	5.37	192.257		449.05	709.087	493,086	564	2,116,012	035	8905.849	SUB #17	

BEAVER CREEK COAL CO.
Survey Calculations

10-14-85 (CALC.) R/S/

Location #7 MINE ~ SUBSIDENCE POINTS
SURVEYED 9-24 TO 9-30-85

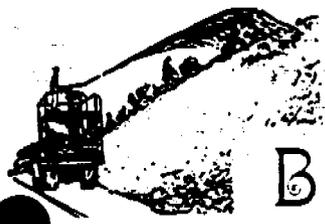
B.S.	I.	F.S.	H. ↗	BEARING	V. ↘	S.D.	H.D.	H.I.	H.S.	LATITUDE		DEPARTURE		COORDINATES		ELEV.	STA	REMARKS	
										(° N)	(° S)	(° E)	(° W)	NORTH	EAST				
SUB #4	SUB #12	SUB #11	343-38-02	127-44-47	88-18-32	1709.84	1749.07	5.25	80.450 5.27		1098.23	1351.40	494,882	456	2,117,905	340	9,050.850	SUB #11	
SUB #4	SUB #15	SUB #12	331-06-33	115-13-18	90-52-47	1515.133	1544.254	5.25	23.213 4.83		645.564	1370.547	495,283	140	2,117,924	456	8,977.577	SUB #12	
SUB #4	SUB #15	SUB #13	314-30-10	100-36-55	94-33-49	1422.64	1418.130	5.25	118.174 4.97		261.829	1393.810	495,667	455	2,117,947	489	8,987.506	SUB #13	
I	H	SUB #2	29-07-04	346-53-30	103-04-27	1716.133	1746.943	5.35	73.951 4.79	(817.829)		423.301		494,385	291	2,119,767	983	8,416.227	SUB #2
I	H	SUB #1	48-21-10	6-05-36	106-40-43	1931.404	1850.391	5.35	554.176 4.81	(839.807)		196.711		494,407	349	2,120,387	695	8,295.287	SUB #1

GORDON CREEK NO. 2/7 MINES

1985

REVEGETATION DATA

STATEMENT



B & R Reclamation Specialists

'Hydro-Seeding ★ Hydro-Mulching'

BILL O'BRIEN

P.O. Box 360
Helper, Utah 84526
(801) 472-5186

Beaver Creek Coal Co.

P.O. Box 1378

Price, Utah 84501

ATT: Dan Guy

DESCRIPTION OF WORK	AMOUNT
<p>To hydroseed and mulch approximately 8 acres new disturbance associated with #2 and #7 mine construction <i>(Includes Sweet's Canyon Water-Fill Area)</i></p>	\$ 7,200.00
<p>Total Due B & R Reclamation</p>	\$ 7,200.00

*D. K. Le Roy
D. Guy 12/5/85*

GORDON CREEK NO. 2/7 MINES

PERMIT STIPULATION STATUS



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

4-P-5-1-6
Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

4241 State Office Building - Salt Lake City, UT 84114 - 801-533-5771

August 27, 1984

Mr. J. A. Herickhoff
General Manager
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Herickhoff:

RE: State Permit Approval, Beaver Creek Coal Company, Gordon
Creek #2 Mine, ACT/007/016, #2, #4 and #6, Carbon County,
Utah

The Division has received a signed copy of the Office of Surface Mining's permit with conditions for the above referenced mine, thereby indicating that Beaver Creek Coal Company accepts and will comply with all conditions and time frames set forth in the permit. A signed and executed bond in the amount of \$461,638.50 and payable to both the State of Utah and the United States of America has also been received.

Therefore, the State of Utah hereby issues Final Permit Approval for the Gordon Creek #2 Mine at this time. Consider this letter to be the Permanent Coal Regulatory Program Permit for the above referenced mine. This permit is issued in conjunction with the special conditions contained in Attachment A of the Federal Permit UT-0010, 8/84 and the additional permit conditions required by the Utah Coal Mining and Reclamation Permanent Program, Chapter I (UCA 40-10-1 et seq.), Section UMC 766.29 (appended to this letter). Please assure that all conditions with time deadlines for completion are fulfilled utilizing the August 27, 1984 as the permit approval date.

Page Two

Mr. J. A. Herickhoff

ACT/007/016

August 27, 1984

The Division greatly appreciates the cooperation and enthusiasm your staff has shown in working with us during the permitting process, and we look forward to dealing with your company in the future.

Best regards,



Dianne R. Nielson
Director

MMB:btb

cc: Dan Guy
Robert Hagen
Allen Klein
Steve Manger
Ron Daniels
Jim Smith
Mary Boucek
Joe Helfrich
Steve Cox

88130-50 & 51

UMC 786.29 Conditions Of Permits: Environment, Public Health, And Safety.

Each permit issued by the Division shall ensure and contain specific conditions requiring that the-

(a) Permittee shall take all possible steps to minimize any adverse impact to the environment or public health and safety resulting from non-compliance with any term or conditions of the permit, including, but not limited to:

(1) Any accelerated or additional monitoring necessary to determine the nature and extent of noncompliance and the results of the noncompliance;

(2) Immediate implementation of measures necessary to comply; and

(3) Warning, as soon as possible after learning of such noncompliance, any person whose health and safety is in imminent danger due to the non-compliance.

(b) The permittee shall dispose of solids, sludge, filter backwash, or pollutants removed in the course of treatment or control of waters or emissions to the air in the manner required by Subchapter K of this Chapter, the regulatory program, and which prevents violation of any other applicable State or Federal law.

(c) The permittee shall conduct its operations-

(1) In accordance with any measures specified in the permit as necessary to prevent significant, imminent environmental harm to the health or safety of the public; and,

(2) Utilizing any methods specified in the permit by the Division in approving alternative methods of compliance with the performance standards of the Act and the regulatory program, in accordance with the provisions of the Act, UMC 786.19(n), and Subchapter X.



United States Department of the Interior

OFFICE OF SURFACE MINING

Reclamation and Enforcement

BROOKS TOWERS

1020 15TH STREET

DENVER, COLORADO 80202

Aug 27, 1984

Mr. Herickhoff
Beaver Creek Coal Company
P.O. Box AU
Price, Utah 84501

Dear Mr. Herickhoff:

Enclosed is the Gordon Creek No. 2 Mine permit with conditions. This permit will become effective only when the Office of Surface Mining (OSM) has received a copy of the bond in the amount of \$461,638.00 payable to both the State of Utah and the United States of America and OSM has received a copy of this permit signed and dated by the permittee.

Please read the permit to be sure you understand the requirements and conditions. Pursuant to 30 CFR 775.11, Beaver Creek Coal Company will have 30 days from the date of official notification to appeal the Director's decision on the application.

Also enclosed is a copy of the newspaper notice we are sending to the The Sun-Advocate, Carbon County, Utah to be published as soon as possible. When published, this notice will constitute official notification of our action. Any person with an interest which is or may be adversely affected may request a hearing on the reasons for the final decision within 30 days from the date that notice is published.

The permit has been provided in duplicate, so you can retain one copy with original signatures and return one copy with original signatures to us as an expressed acknowledgement that you have read and understood it. The complete decision package is available upon request.

The Assistant Secretary for Land and Minerals Management approved the mining plan on August 24, 1984. The enclosed permit has been determined to be consistent with this plan.

If you have any questions, please feel free to call either me at (303) 844-5656 or Mark Humphrey at (303) 844-3806.

Sincerely,



Allen D. Klein
Administrator
Western Technical Center

Enclosures

cc: Mr. Jackson Moffitt
Bureau of Land Management, (MMS)

Mr. Gene Nodine
Bureau of Land Management

Dr. Dianne Nielson
Utah Division Of Oil Gas and Mining

Mr. Robert Eagen
Albuquerque Field Office
Office of Surface Mining

UNITED STATES
DEPARTMENT OF THE INTERIOR
OFFICE OF SURFACE MINING

This permit, UT-0010, 8/84 which incorporates Utah Permit ACT/007/016, is issued for the United States of America by the Office of Surface Mining (OSM) to:

Beaver Creek Coal Company
P.O. Box AD
Price, Utah 84501

for the Gordon Creek No.2 Mine. Beaver Creek Coal Company is the lessee of Federal coal lease U8319 and U-47975. The permit is not valid until a performance bond is filed with the OSM in the amount of \$461,638.00, payable to the United States of America and the State of Utah, and the OSM has received a copy of this permit signed and dated by the permittee.

Sec. 1 STATUTES AND REGULATIONS - This permit is issued pursuant to the Surface Mining Control and Reclamation Act of 1977, 30 U.S.C. 1201 et seq., hereafter referred to as SMCRA, and the Federal coal leases issued pursuant to the Mineral Leasing Act of February 15, 1920, as amended, 30 U.S.C. 181 et seq., the Federal Coal Leasing Amendments Act of 1976, as amended 30 U.S.C. 201 et seq. and in the case of acquired lands, the Mineral Leasing Act for Acquired Lands of September 7, 1947, as amended, 30 U.S.C. 351 et seq. This permit is also subject to all regulations of the Secretary of the Interior including, but not limited to, 30 CFR Chapter VII and 43 CFR Part 3400, and to all regulations of the Secretary of Energy promulgated pursuant to Section 302 of the Department of Energy Organization Act of 1977, 42 U.S.C. 7152, which are now in force or, except as expressly limited herein, hereafter in force, and all such regulations are made a part hereof.

Sec. 2 The permittee is authorized to conduct surface coal mining and reclamation operations on Federal lands (as shown on ownership map) within the permit area at the Gordon Creek No. 2 Mine situated in the State of Utah, Carbon County, and located:

T. 13 S., R. 7 E., S.L.M.; sec. 12, E1/2, E1/2W1/2; sec. 13, E1/2, E1/2W1/2, sec. 24, N1/2NE1/4, NE1/4NW1/4;

T. 13 S., R. 8 E., S.L.M.; sec. 7, lots 3 and 4, SE1/4SW1/4; sec. 17, SW1/4SW1/4, Portions of NW1/4SW1/4, Portions of SE1/4SW1/4, Portions of NW1/4SW1/4; sec. 18 lots 1, 2, 3, and 4, E1/2W1/2, W1/2E1/2, E1/2SE1/4, SE1/4NE1/4; sec. 19, lots 1, 2, and 3, NE1/4, E1/2NW1/4, NE1/4SW1/4, NW1/4SE1/4;

and to conduct surface coal mining and reclamation operations on the foregoing described property subject to the conditions of the leases, the approved mining plan, and Utah State permit ACT/007/016, issued concurrently with this permit (UT-0010, 8/84), including all conditions, and all other applicable conditions, laws and regulations.

- Sec. 3 This permit is issued for a term of 5 years commencing on the date the permit is signed by the permittee, except that this permit will terminate if the permittee has not begun the surface coal mining and reclamation operations covered herein within 3 years of the effective date.
- Sec. 4 The permit rights may not be transferred, assigned, or sold without the approval of the Director, OSM. Request for transfer, assignment, or sale of permit rights must be done in accordance with 30 CFR 740.13(e).
- Sec. 5 The permittee shall allow the authorized representatives of the Secretary, including, but not limited to, inspectors, fee compliance officers, and the Utah Division of Oil, Gas, and Mining without advance notice or a search warrant, upon presentation of appropriate credentials, and without delay to:
- a. Have the rights of entry provided for in 30 CFR 842.13 and UMC 842.13; and,
 - b. Be accompanied by private persons for the purpose of conducting an inspection in accordance with 30 CFR 842 and UMC 842 when the inspection is in response to an alleged violation reported by the private person.
- Sec. 6 The permittee shall conduct surface coal mining and reclamation operations only on those lands specifically designated as within the permit area on the maps submitted in the mining plan and permit application and approved for the term of the permit and which are subject to the bond.
- Sec. 7 The permittee shall take all possible steps to minimize any adverse impact to the environment or public health and safety resulting from noncompliance with any term or condition of this permit, including, but not limited to:
- a. Any accelerated or additional monitoring necessary to determine the nature and extent of noncompliance and the results of the noncompliance;
 - b. Immediate implementation of measures necessary to comply; and
 - c. Warning, as soon as possible after learning of such noncompliance, any person whose health and safety is in imminent danger due to the noncompliance.

- Sec. 8 The permittee shall dispose of solids, sludge, filter backwash, or pollutants removed in the course of treatment or control of waters or emissions to the air in the manner required by the approved Utah State Program and the Federal Lands Program and which prevents violation of any other applicable State or Federal law.
- Sec. 9 The permittee shall conduct its operations:
- a. In accordance with any measures specified in the permit as necessary to prevent significant, imminent environmental harm to the health or safety of the public; and
 - b. Utilizing any methods specified within the permit by Utah Division of Oil, Gas, and Mining and OSM in approving alternative methods of compliance with the performance standards of the Act, the approved Utah State Program, the Federal Lands Program, UMC 786.19(m), and Subchapter K.
- Sec. 10 The permittee shall provide the names, addresses, and telephone numbers of persons responsible for operations under the permit to whom notices and orders are to be delivered.
- Sec. 11 The permittee shall comply with the provisions of the Water Pollution Control Act (33 U.S.C. 1151 et seq.) and the Clean Air Act (42 U.S.C. 7401 et seq.).
- Sec. 12 Upon expiration, this permit may be renewed for areas within the boundaries of the existing permit in accordance with the Act, the approved Utah State Program and the Federal Lands Program.
- Sec. 13 If during the course of mining operations previously unidentified cultural resources are discovered, the applicant shall ensure that the site(s) is not disturbed and shall notify OSM. The operator shall ensure that the resource(s) is properly evaluated in terms of National Register Eligibility Criteria (36 CFR 60.6). Should a resource be found eligible for listing in consultation with the OSM, the land managing agency (if the site is located on Federal Lands), and the State Historic Preservation Officer (SHPO), the operator shall confer with and obtain the approval of these agencies concerning the development and implementation of mitigation measures.

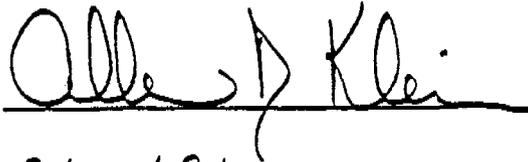
Sec. 14 APPEALS - The lessee shall have the right to appeal:
(a) under 30 CFR 775 from actions or decisions of any official of OSM; (b) under 43 CFR 3000.4 from an action or decision of any official of the Bureau of Land Management; (c) under 30 CFR 290 from an action, order, or decision of any official of the Branch of Solid Minerals; or (d) under applicable regulations from any action or decision of any other official of the Department of the Interior arising in connection with this permit.

Sec. 15 SPECIAL CONDITIONS - In addition to the general obligations and of performance set out in the leases, Utah State permit (ACT/007/016) and this permit, the permittee shall comply with the special conditions of Utah State permit (ACT/007/016) and the conditions appended hereto as Attachment A.

These conditions are also imposed upon the permittee's agents and employees. The failure or refusal of any of these persons to comply with these conditions shall be deemed a failure of the permittee to comply with the terms of this permit and the leases. The permittee shall require his agents, contractors, and subcontractors involved in activities concerning this permit to include these conditions in the contracts between and among them. These conditions may be revised or amended, in writing, by the mutual consent of the grantor and the permittee at any time to adjust to changed conditions or to correct an oversight. The grantor may amend these conditions at any time without the consent of the permittee in order to make them consistent with any new Federal or State statutes and any new regulations.

THE UNITED STATES OF AMERICA

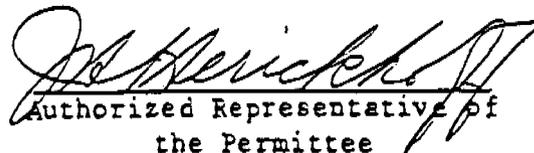
By:



8/27/84

Date

I certify that I have read and understand the requirements of this permit and any special conditions attached.


Authorized Representative of
the Permittee

8-27-84

Attachment A

Special Conditions

- ✓ 1. The permittee shall, within 30 days of the effective date of this permit, provide acceptable measures (accompanied by supporting calculations) which will be used for erosion protection for undisturbed ditch DU-3. If the regulatory authority notifies the permittee that these measures are not acceptable, the permittee must submit revised plans within 30 days of notification, and adequate protection measures for DU-3 must be in place within 90 days of approval.
- ✓ 2. Based on the results of the bedrock study the permittee has performed, the permittee will submit design and installation measures, within 30 days of the effective date of this permit, for the erosion protection measures in the Bryner Canyon bypass ditch and the disturbed area ditch which parallels it at the points identified in the compliance section of UMC 817.47. The design and installation measures submitted will contain flow velocity calculations, riprap sizing and depth of placement, channel bedding or lining materials to be used under the riprap and drawings showing configuration, location and size of gabions if used. If the regulatory authority notifies the permittee that the design and installation measures submitted are not adequate, the permittee shall submit revised plans within 30 days of notification and within 120 days of such notification shall achieve compliance with the applicable standards.
- ✓ 3. The permittee shall monitor all inflows of 1 gpm or greater in the "in-mine" water monitoring program. If more than 1 gpm or larger inflow occurs within 100 feet in any direction from the source of the flow, the permittee will forward to the regulatory authority information outlining the number, source area, flow rate and locations of such inflows. The number and location of sampling points at the multiple inflow areas will then be determined by the regulatory authority.
- ✓ 4. The permittee shall quarterly monitor sampling sites 2-10-W and 2-11-W and utilize the field measurements and chemical parameters on page 7-83 of the Gordon Creek PAP.

5. The permittee shall establish a riparian area at the Gordon Creek #3 Minesite not only under BLM, USFS and DWR permits, but also as part of the wildlife mitigation plan for the Gordon Creek #2 Mine, and shall abide by the provisions of the October 13, 1983, Division of Wildlife Resources Certificate of Registration.

6. The permittee shall amend the statement on page 10-18 of the Southwest Lease PAP to show that Beaver Creek Coal Company had permits from U.S. Fish and Wildlife Service and Division of Wildlife Resources for removal of one nest in the area of exploration.

7. If there is mass movement of material in the mine permit area, the permittee will notify the Division immediately and within 30 days of such notice submit mitigation plans for the slide area. Within 60 days of such notice, the permittee shall achieve compliance with the applicable standards.

8. Before further secondary mining takes place inside of a 20 degree angle of draw measured from vertical on each bank of the Beaver Creek, the permittee must demonstrate through submittal of sufficient technical information and analysis, subject to regulatory authority approval, that Beaver Creek is not likely to be affected by subsidence.

In addition, prior to September 1, 1984, the permittee shall submit to the regulatory authority for approval, a plan to mitigate adverse subsidence effects to Beaver Creek in the event subsidence effects do occur.

At such time that the permittee or the regulatory authority determines that subsidence within the permit area has adversely affected Beaver Creek, the permittee shall notify the regulatory authority in writing, concerning the kind and extent of the damage, and begin implementation of the approved mitigation plan as directed by the regulatory authority.

9. The permittee shall contribute, based upon one year's net water depletion to the Colorado River due to the permittee's operation, to the U.S. Fish and Wildlife Service's (Endangered Species Office) study of endangered fish species in the Colorado River.

10. The permittee shall, in consultation with the U.S. Fish and Wildlife Service, modify the existing power poles and lines servicing the Southwest Lease area within 30 days of the effective date of this permit, to the raptor proof design standards specified by the Fish and Wildlife Service.
11. Before any site redisturbance occurs, the permittee must conduct a survey, under the supervision of the regulatory authority, of the areas to be redisturbed. The survey shall identify and record locations of individuals and populations of Hedysarum occidentale var. canone (canyon sweet-vetch). If canyon sweet-vetch is found in portions of the permit area to be redisturbed, the permittee must develop and submit a mitigation plan for regulatory authority approval and after approval implement this plan before redisturbance occurs.
12. The permittee shall use all spoil material available in the permit area and any other reasonably available spoil material to cover all highwalls to the maximum extent possible. The permittee shall cover all coal seams and any toxic or acid-forming material with no less than four feet of non toxic, and non acid-forming material.

U.S. DEPARTMENT OF THE INTERIOR
OFFICE OF SURFACE MINING
RECLAMATION AND ENFORCEMENT
NOTICE OF A DECISION AND AVAILABILITY
OF BOTH A TECHNICAL ANALYSIS AND AN
ENVIRONMENTAL ASSESSMENT FOR
BEAVER CREEK COAL COMPANY
PERMANENT PROGRAM PERMIT
GORDON CREEK NO. 2 MINE
CARBON COUNTY, UTAH

The United States Department of the Interior, Office of Surface Mining Reclamation and Enforcement (OSM), has approved, with conditions, a 5-year permit for Beaver Creek Coal Company to mine coal at its Gordon Creek No. 2 Mine.

The Gordon Creek No. 2 underground coal mine is located in Carbon County, Utah, located approximately 20 miles northwest of Price, Utah. The mine has been in operation since 1969. The proposed permit area will cover approximately 2300 acres, approximately 20.81 acres of which have been disturbed to date. Maximum mine production is at a rate of 10.58 million tons of coal over 14 years.

Any person with an interest which is or may be adversely affected by this Federal permit approval action may request an adjudicatory hearing on the final decision within 30 days after publication of this notice, in accordance with Section 514(c) of the Surface Mining Control and Reclamation Act (SMCRA). Any hearing will be governed by provisions of 5 U.S.C. Section 554. A petition for review of the OSM decision should be submitted to:

Hearings Division
Office of Hearings and Appeals
U.S. Department of the Interior
4015 Wilson Boulevard
Arlington, Virginia 22203

Pursuant to 40 C.F.R. Sections 1501.4(c) and 1506.6, notice is hereby given that Utah Division of Oil, Gas, and Mining has completed a technical analysis (TA) for the mining and reclamation plan (mining plan) for the Gordon Creek No. 2 Mine, Carbon, Utah. OSM has supplemented this TA with its own environmental assessment (EA). OSM's recommendation to approve Beaver Creek Coal Company mining plan and the permit application with conditions is in accordance with Sections 510 and 523 of SMCRA. OSM's analysis is that no significant environmental impacts would result from such approval. For information or clarification concerning the approval of the Gordon Creek No. 2 Mine plan, please contact Mark Humphrey or Walter Swain at (303) 844-3806, Office of Surface Mining, Denver, Colorado.

Both the TA and the EA are available for public review at the following locations:

Office of Surface Mining Reclamation and Enforcement
Western Technical Center
1020 15th Street
Denver, Colorado 80202

Office of Surface Mining Reclamation and Enforcement
Enforcement and Inspection
219 Central Avenue, NW., Room 216
Albuquerque, New Mexico 87102

Utah Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

65 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 11, 1985

CERTIFIED RETURN RECEIPT REQUESTED
P-396-996-948

Mr. Dan Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy,

Re: Review of February 13, 1985, submittal for Special
Conditions 1 and 2, Gordon Creek No. 2, ACT/007/016,
Folder No. 2 and 4, Carbon County, Utah

The material you submitted in response to the Division's deficiency letter of January 18, 1985 is complete and adequate to respond to Special Conditions 1 and 2 contained in the Gordon Creek No. 2 permit.

Thank you for your cooperation in this matter.

Sincerely,

L. P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

JW:jvb

cc: A. Klein
M. Humphrey
S. Cox
J. Whitehead
T. Wright

9294R-6



STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Douglas F. Day, Division Director

26 West North Temple • Salt Lake City, UT 84116 • 801-533-9333

September 12, 1984

Mr. Dan Guy
Beaver Creek Coal Company
P. O. Box AU
Price, UT 84501

Subject: Certificate of Registration/Wetland Mitigation

Dear Dan:

The coal mining industry in Utah has, at one time or another, caused loss of high valued (critical and high-priority) wildlife habitats. As you are aware, state and federal coal mining regulations specify mitigation for loss of these high valued habitats. Wetland habitat, of which the riparian community is a component, typically is the most impacted high valued type because surface mining facilities and roads are often developed in and along drainage bottoms. Wildlife species intensively utilize local wetlands. To a lesser extent, aspen forests have been impacted by mining developments. Aspen forests are the most productive habitat type in terms of forage within the montane ecological association.

Wetland and aspen forest habitats in Utah are ranked as being of critical and high priority value to all wildlife, respectively. Thus, loss of these high valued habitat types due to coal mining necessitates mitigation.

The Division, in cooperation with the Division of Oil, Gas and Mining, as well as state and federal land management agencies, has made great strides at reducing impacts to wildlife resulting from industry. But, there are situations where small tracts of high valued habitat are lost due to coal mining activity and no suitable mitigation is practical on or near the mine plan area. Such situations do not relieve a company from their obligation to mitigate. Such was the case when Beaver Creek Coal Company was issued a Certificate of Registration for taking of a raptor nest at the Gordon Creek No. 2 coal mine. The certificate stipulated that the company would mitigate through development of 4 acres of wetland habitat during final reclamation at their Gordon Creek No. 3 and 6 mines. It now seems that only 0.5 acres of such habitat can be developed at the No. 3-6 mines. And, no suitable areas exist proximal to the Gordon Creek mines where the remaining 3.5 acres of wetland habitat could be created and maintained.

The Division proposes that, within Shoemaker Wash (Section 15, T17S, R10E, Emery County, Utah) at Desert Lake Waterfowl Management Area, a new wetland unit be developed for mitigation purposes. By impounding water with a dike, 5 acres of wetland habitat would result; 60 percent (3 acres) of this would represent new wetlands, as compared to the status quo. Another 9 acres of wetland habitat would be established from the outflow of the unit; 44 percent (4 acres) of this would represent new wetlands. Therefore, creation of the Shoemaker Wash Unit would result in a net gain of 7 acres of Palustrine Emergent Permanent Wetland.

Cost for such a development is estimated at \$16,520. This estimate resulted from consultation with Lowdermilk Construction Company of Helper, Utah. The Division's waterfowl section selected the location, as well as surveyed and designed the proposed wetland unit. The dike would be 500 feet long, 5 feet high, with a 12 foot wide travelway on top, and standard 3-to-1 slopes on either side. The dike would also be covered with 1 foot of 6 inch or smaller riprap. Two 60-inch-tall-by-48-inch-wide water control structures, discharging through 30-foot-long-by-24-inch-diameter, poly-coated outlet pipes would also be needed.

Fill Dirt (2,500 yds ³)	\$10,000
Riprap (280 yds ³)	4,200
Water Control Structures (2)	<u>2,320</u>
Total	\$16,520

The cost estimate for fill dirt is based upon a contractor securing the 2,500 cubic yards of material on Desert Lake Waterfowl Management Area, and compacting it as a dike. The cost for 280 cubic yards of 6-inch-minus riprap is based upon hauling it from the Price area and installing it at Desert Lake Waterfowl Management Area. The cost of water control structures is just acquisition costs. Based upon the aforementioned estimates, each acre of new wetland habitat that could be developed in the Shoemaker Wash Unit would cost \$2,360.

Dan, it is recommended that Beaver Creek Coal Company participate financially in the Shoemaker Wash mitigation unit that will be developed at the Desert Lake Waterfowl Management Area. Considering that Beaver Creek would need to invest in 3.5 acres of wetland development at a cost of \$2,360 per acre, a total remittance of \$8,260 would satisfy the mitigation stipulation for the company's Certificate of Registration.

Mr. Dan Guy
September 12, 1984
Page Three

We anticipate initiation of construction at the Shoemaker Wash Unit during October, 1984. Therefore, an immediate letter of intent from Beaver Creek Coal Company is needed and remittance for the above-referenced amount must be received prior to October 10, 1984.

Sincerely,



Acting For
William H. Geer, Acting Director
DIVISION OF WILDLIFE RESOURCES

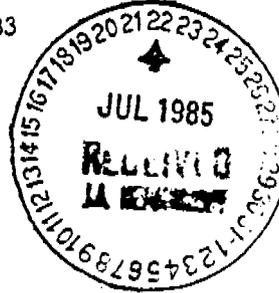


STATE OF UTAH
NATURAL RESOURCES
Wildlife Resources

*copy to: Dan Guy ✓
Mike Watson*

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
William H. Geer, Division Director

6 West North Temple • Salt Lake City, UT 84116-3154 • 801-533-9333



July 17, 1985

Mr. James A. Herickhoff
Beaver Creek Coal Company
P. O. Box AU
Price, UT 84501

Attention: Dan Guy

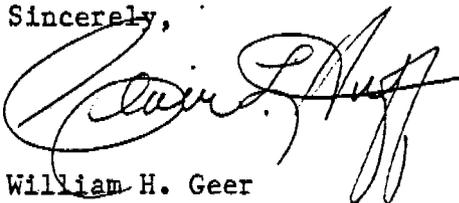
Dear Jim:

In regard to the 3-1/2 acres of mitigation that Beaver Creek Coal Company has funded at Shoemaker Wash on the Desert Lake Waterfowl Management Area, the project is completed. This project was inspected by Division personnel on February 20, 1985, and deemed to be complete. There has been some settling in the dike since that inspection, and the Division will correct this situation when settling is complete, as well as follow through with routine maintenance.

I would like to take this opportunity to express the Division's appreciation to Beaver Creek Coal Company for their participation in this project. An abundant avian resource made use of the new wetland unit during this spring. I understand that you and Mr. Dan Guy have already visited the Desert Lake Waterfowl Management Area and inspected this mitigation project. During late September, Larry Dalton in our Southeastern Region will again contact you to participate in "showing off" this accomplishment through a local and statewide news release at a time when waterfowl hunters are especially interested in wetlands.

Again, thanks. Utah's sportsmen and wildlife enthusiasts, as well as the animals, have benefited from your Company's efforts.

Sincerely,

 Acting Director

William H. Geer
Director



November 15, 1984

Mr. William H. Geer
Acting Director
Utah Division of Wildlife Resources
1596 West North Temple
Salt Lake City, Utah 84116

RE: Certificate of Registration/
Wetland Mitigation

Dear Mr. Geer:

Beaver Creek Coal Company is pleased to present the Division of Wildlife Resources with a check in the amount of \$8,260.00 for participation in the Shoemaker Wash mitigation unit at the Desert Lake Waterfowl Management Area. It is our understanding that this contribution will be used to establish approximately 3.5 acres of wetland habitat as mitigation for the loss of wildlife habitat resulting from the development of our Gordon Creek No. 7 Mine.

Since the Certificate of Registration stipulated mitigation through development of 4 acres of wetland habitat, an additional 0.5 acres will be established at the Gordon Creek No. 3/6 Mine area. This area will be addressed in the forthcoming Reclamation Plan approval.

I would appreciate the opportunity to see the Shoemaker Wash unit upon completion. Please let me know when a visit can be arranged.

Respectfully,

Dan W. Guy
Manager of Permitting and Compliance

DWG/sb

Enclosure

cc: Larry Dalton (DWR)
Mary Boucek (DOGM)
J.A. Herickhoff (BCCC)
File 4-P-5-6-1
File 4-P-7-1-1

Beaver Creek Coal Company
P.O. Box AU
Price, UT 84501

VENDOR NUMBER
CHECK NUMBER 205622

INVOICE NOS.	GROSS	DISCOUNT	NET AMOUNT
Participation in Shoemaker Wash Mitigation Unit	\$8,260.00		
APPROVAL	8,260.00		
PLEASE DETACH BEFORE DEPOSITING CHECK	TOTAL GROSS	TOTAL DISCOUNT	TOTAL NET

THIS CHECK IS VOID IF COLORED BACKGROUND IS ABSENT

Beaver Creek Coal Company



89-5
6252

CHECK NUMBER
205622

MO. DAY YEAR
11/12/84

PAY EXACTLY

\$ 8,260.00

PAY TO THE ORDER OF

UTAH DIVISION OF WILDLIFE RESOURCES

Allen S. Whitehead

[Signature]
AUTHORIZED SIGNATURE

NATIONAL BANK OF ALASKA ANCHORAGE AK

⑈00205622⑈ ⑆125200057⑆ 37⑈723820⑈



Date: November 8, 1984
Subject: Participation in DWR Desert Lake Project

TD
From/Location: Dan W. Guy *Dan*
To/Location: J.A. Herickhoff

The attached letter is a request by D.W.R. for our participation in a wetlands establishment project at Desert Lake, near Elmo, Utah. This request allows us to meet most of our obligations to re-establish 4 acres of riparian habitat as committed to in the #7 Mine Plan.

The original plan was for us to establish 4 acres of riparian habitat at #3 Mine; however, this will not only be very costly, but it has a very slim chance of success due to the normal dry condition of the canyon. I have requested that we be allowed to meet our obligation entirely at Desert Lake, and although D.W.R. is in favor of this, D.O.G. & M. insists that we try to establish at least one-half acre of riparian habitat at #3 Mine. I have discussed this with D.O.G. & M. and they pointed out that regulations require mitigation near the impacted area, if possible. They feel this is a compromise that will allow us a better change of meeting our obligation. Since there is a minor amount of riparian area above and below the #3 Mine drainage, I believe it may be possible to re-establish a half-acre in the drainage without excessive cost, but certainly not 4 acres.

I therefore recommend we at least take advantage of the opportunity to establish the 3.5 acres at Desert Lake. The total cost of this is \$8,260.00.

Please let me know if you approve.

DWG/sb

OK
J.A. Herickhoff
11-8-84



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

4-15-1-1
Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

1 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 1, 1985

Mr. Dan Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dan
Dear Mr. Guy:

6
Re: Special Condition No. 2, Beaver Creek Coal Company, Gordon Creek
No. 2 Mine, ACT/007/016, #2, Carbon County, Utah

During the Division's comparison of the updated Mining and Reclamation Plan copies with the old copies on file, it was noted that Special Condition No. 2 to the Gordon Creek #2 permit has not been addressed. As you will recall, this condition required that the statement on page 10-18 of the Southwest Lease MRP be amended to show that Beaver Creek Coal Company had permits from the USFWS and DWR for removal of one nest in the area of exploration.

The Division has completed its comparison of the new MRP copies and no longer has a need for the old copies. These may be picked up the next time you are in the office or the old copies can be sent to your office in Price. Please notify the Division if you want these old volumes sent to you.

Your prompt correction of page 10-18 of the Southwest Lease MRP will be most appreciated. Eleven (11) copies of the amended page will suffice.

Sincerely,

Mary M. Boucek
Mary M. Boucek
Permit Supervisor/
Reclamation Biologist

jvb
cc: S. Cox
0119R-3

10.5 Mitigation and Management Plans (continued)

Lease that may be in a location that will inhibit wildlife migration will follow specifications that will accommodate wildlife passage. Also, the overland conveyor from the proposed portal to the No. 2 Mine load-out area is designed to accommodate the passage of deer.

Minimizing disturbance to the Aspen Woodland habitat is the proposed mitigation for impacts to the Williamson Sapsucker. Beaver Creek estimates that 1.7 acres out of a total 534 acres of Aspen Woodland which occurs within the permit area will be disturbed. This corresponds to 0.3 percent of the total habitat type that will be disturbed.

Ultimately, permanent reclamation to return the area of disturbance to its pre-mining land use is the most important mitigative effort. Section 10.5.1 of the Gordon Creek No. 2 Mine Permanent Program Application discusses specific wildlife enhancement alternatives to be used. The permanent revegetation plan provides a variety of species that will increase habitat diversity providing nutritional and cover benefits for wildlife.

Two additional mitigation measures are being implemented under the BLM exploration permit (3400, U-8319, U-066) that preceded this application as well as permits from DWR (Beaver Creek Coal Company Certificate of Registration) and Special Condition FWS (83-12) for removal of one nest in the area of No. 6 exploration (discussed in Section 10.4). These procedures are discussed in the paragraphs below.

Two artificial nests will also be established up Bryner Canyon from the proposed disturbance. The nests will be

APPENDIX 6

SPECIAL CONDITION NO. 8

MINING BENEATH BEAVER CREEK

Beaver Creek Coal Company

P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



August 1, 1985

Mr. Lowell Braxton
Administrator
Utah Division of Oil, Gas, & Mining

CERTIFIED MAIL

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Stipulation Response on
Approval for Mining beneath Beaver Creek
Gordon Creek No. 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Enclosed are 14 copies of the consolidated submittals on the proposal to mine beneath Beaver Creek as required by Stipulations No. 3 and 4 of your April 1, 1985 approval. The material consists of the following:

- (1) A revised Appendix Index;
- (2) Revised pages 3-50b and 10-85 with references to the Appendices;
- (3) Added Appendices No. 6 and 7. The revised pages should replace corresponding pages in the M.R.P. and the new Appendices should be added at the end of Volume 2 of the plan.

If you have any questions, or need any further information, please let me know.

Respectfully,

Dan W. Guy
Manager of Permitting and Compliance

DWG/sb

Enclosures

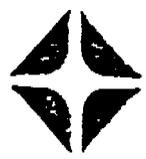
cc: M.P. Watson
File 4-P-5-1-1
File 4-P-5-1-6-1

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



April 17, 1985

Mr. Lowell P. Braxton
Adminstrator
Utah Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-12-3

RE: Proposed Second Mining
Gordon Creek No. 2 Mine
ACT/007/016, #2
Carbon County, Utah

Dear Mr. Braxton:

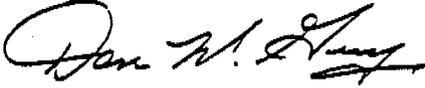
Pursuant to your approval letter of April 1, 1985, Beaver Creek Coal Company will hereby commit to the following mitigation measures:

- 1) Stream flow data from the two continuous gage stations on Beaver Creek will be compiled and portrayed in a graphical format for flow seasons of 1984 and all subsequent years for a period of 10 years, or until mining is completed if more than 10 years. This information will be submitted to the Division annually beginning January 31, 1986 and January 31 of each year after until completion.
- 2) B.C.C.C. shall not mine the Hiawatha Seam beneath Beaver Creek without specific Division approval to do so.
- 3) As discussed with Mr. Steve Cox, the aquatic baseline data in the approved M.R.P. will serve to meet this condition for the invertebrate population in the proposed mining area. The baseline information on the fishery populations present will be obtained through the Division of Wildlife, compiled and submitted as an Appendix to the approved M.R.P., by August 1, 1985.
- 4) B.C.C.C. will compile the material submitted March 7, March 20, and March 28 and submit 14 copies to the Division for inclusion as an Appendix to the approved M.R.P. by August 1, 1985.

April 17, 1985

Thank you for your cooperation. If you have any questions, or need any further information, please let me know.

Respectfully,



Dan W. Guy
Manager of Permitting and Compliance

DWG/sb

cc: J.A. Herickhoff (w/out attachments)
M.P. Watson (w/out attachments)
D.R. Meadors (w/out attachments)
File 4-P-5-1-1
File 4-P-5-6-2
IBM D1



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

5 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

April 1, 1985

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: Proposed Second Mining, Gordon Creek #2 Mine, ACT/007/016,
#2, Carbon County, Utah

The Division has reviewed the material submitted on March 28, 1985 regarding Beaver Creek Coal Company's (BCCC) proposal to reduce the pillar size in the area currently being mined under Beaver Creek.

Based on the detailed subsurface information provided, the Division has determined it is extremely unlikely that subsidence impacts would cause any material damage to Beaver Creek. The Division's finding is based on the following.

Borehole lithologic data derived from the #7 Mine and #2 Mine were correlated and projected to the area of proposed second mining in the #2 Mine, a distance of approximately 3,500 feet. Minor lithologic variation along the correlated section indicate a similar roof and floor lithologies occur in the #2 Mine. Accordingly, the uniaxial strength of roof and floor lithologies in the #2 Mine are assumed to be similar.

Safety factors of 2.4 and 17.36 were calculated for pillars and roof rock, respectively. These values incorporate uniaxial strength data that were correlated from the #7 Mine as described above and are considered conservative for mining.

A maximum subsidence value of 3.85 feet based on complete pillar recovery, was calculated for the entire area of proposed second mining. This value is considered excessive because complete pillar recovery is not proposed.

Page 2
Mr. Dan W. Guy, Manager
April 1, 1985

BCCC's proposal is hereby approved subject to the conditions noted below.

Pursuant to UMC 817.126(a), BCCC is hereby directed to undertake and commit in writing to the following mitigation measures in addition to those proposed to date by BCCC which include the Gordon Creek #2 Mining and Reclamation Plan (MRP) and submittals dated March 20 and 28.

1. Streamflow data from the two continuous gage stations on Beaver Creek will be compiled and portrayed in a graphical format for flow seasons of 1984 and all subsequent years and submitted to the Division annually beginning January 31, 1985 and January 31 of each year after.
2. BCCC shall not mine the Hiawatha seam underneath Beaver Creek without specific Division approval to do so.
3. BCCC shall perform an aquatic baseline study of the stretch of creek where pillar sizes are to be reduced during the summer of 1984. This will assess the diversity and size of the benthic invertebrate and fishery populations present.
4. BCCC shall compile material submitted March 7, March 20 and March 28 and include the three preceding directives of this letter and submit 14 copies of this to the Division for inclusion as Appendix to the approved MRP.

Thank you for your cooperation on this matter. It is my hope that in any future request, appropriate lead time for data gathering and Division review can be observed by BCCC to avoid the crises approach to review which has characterized this issue.

Sincerely,



Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

JW/btb

cc: Allen Klein
Walt Swain
9294R-12 & 13

Wayne Hedberg
John Whitehead

3.4.8.2 Renewable Resources (continued)

exist above the mining (or mined) area. Portions of Beaver Creek and the springs were undermined as much as five years ago by the existing operation. Flow data has been collected on all of these points over the past four years, and there are no indications of any significant flow depletions other than through normal seasonal variations. The charts in Section 7 will indicate the flow measurements on these points. As mentioned earlier, the #2 Mine has never encountered significant amounts of underground water. Drilling in this area has not indicated any major ground water aquifers. Based on past experience and monitoring results from this area, it is not expected that mining will affect any hydrologic resource through subsidence.

Special Condition No. 8

Mitigation measures, should a substantial water inflow occur, may include: attempts to seal off the inflow, increased monitoring efforts, pumping and cleaning of inflow water, lining of the streambed through the affected area, replacement of lost water if indicated by monitoring. The first step will be to try and seal off the inflow by grouting, first from the underground and then from the surface. If this is unsuccessful, the other measures mentioned above will be employed.

The vegetation resource above the mining area consists of some rangeland for grazing of stock and wildlife and limited potential for timbering. Again, past mining in the area has indicated no surface effects upon this resource. If subsidence should occur, the effects would be minimal, possibly resulting in some fractures or slight depressions. The effect upon the vegetation resource would also be minimal, since subsidence (should it occur) is not likely to destroy vegetation, but merely displace it. It is not expected that subsidence will have any negative effect upon the plant communities,

Mining and Reclamation Plan

Gordon Creek No. 2 Mine Permit Application

3.4.8.2 Renewable Resources (continued)

or even become evident on the surface. Should this happen, mitigation measures may include: filling of fractures, regrading of broken areas, replanting degraded areas, intensified monitoring.

3.4.8.3 Geologic Hazards

Geologic hazards in the mine area exist in the form of steep slopes and numerous inactive normal faults as shown on the mine maps. The geologic hazards from the faults are normally confined to the underground entries crossing or approaching the fault. Roof conditions will typically worsen in these areas due to fracturing and slickensides; however, no surface movement or new effects have been noted to date from mining through fault zones in this area.

The steep slopes in the Gordon Creek area do present a hazard if movement should occur from mining. This could result in rock falls from exposed outcrops; however, no evidence of such falls or movement have been noted in this area from recent mining. There are no potential landslide or slump areas known to exist in the vicinity of this permit area.

3.4.8.4 Subsidence

Subsidence can normally be expected to occur over areas where second mining has taken place (pillaring). Based on the geologic interruptions within this mine, subsi-

3.4.8.4 Subsidence (continued)

dence becomes very difficult to predict, due to the variable nature of the mining panels. However, the attached Figure 3-6 will give an estimate of the maximum subsidence that may be expected in mines studied in the the Western U.S. Maximum subsidence for an average panel in the #2 Mine has been estimated from Figure 3-6, using the following criteria:

Panel Width - 400'
Average Depth - 600'
Width/Depth Ratio - 0.67
Seam Thickness - 7.0'

Based on this criteria and the graph, subsidence could reach a maximum of 3.85' directly over a pillared panel. However, since past pillaring has been performed in this area as much as 40 years ago, and there are no obvious surface expressions of resulting subsidence, it is expected that this figure will be substantially less, if even measurable.

If both the upper and lower seams are extracted, maximum subsidence has been estimated from Figure 3-6 for the lower seam as follows:

Panel Width - 400'
Average Depth - 800'
Width/Depth Ratio - 0.50
Seam Thickness - 7.0'

Based on the graph, subsidence for the lower seam could reach 2.33' directly over a pillared panel, and 6.18' if both seams are pillared. Again, past experience in this area shows no indication that subsidence would be this drastic.

Special Condition No. 8

Further pillaring is not expected to take place beneath Beaver Creek in either the Castle Gate "A" or Hiawatha Seams; however, little, if any, subsidence effects would be expected, based on the following:

3.4.8.4 Subsidence (continued)

- (1) Pillaring in the upper (Castlegate "A") seam has already taken place nearly 5 years ago. Specifically, the northernmost west panel was pillared beneath Beaver Creek by Swisher in January, 1978 where the cover was about 650', and in Sept. 1981, Beaver Creek Coal Co. pillared the "A" Panel area beneath Beaver Creek with a cover of approximately 425'. Neither of these areas show any measurable effect on Beaver Creek. Recent mining has taken place in an area with a minimum of 450' - 500' of cover, which is comparable with the cover in the previously mined areas;
- (2) The Gordon Creek No. 2 Mine overlies areas pillared up to 40 years ago in the lower seam (Sweet's Mine) with no noticeable subsidence effects;
- (3) The 600' - 800' cover in the Beaver Creek area above the upper seam contains massive sandstone units which are unlikely to allow caving effects to reach the surface (the seams are separated by 160' - 200' of similar interburden with no noticeable effects from pillaring);
- (4) Subsidence, should it occur, is not likely to affect the Beaver Creek flow due to the numerous beds of swelling shales within the interburden. Fractures within these sedimentary deposits have a strong tendency to heal due to the swelling of the shales and sandy shales contained therein.

Special Condition No. 8

Before further secondary mining takes place inside of a 20 degree angle of draw measured from vertical on each bank of the Beaver creek, the permittee will demonstrate through

3.4.8.4 Subsidence (continued)

submission of sufficient technical information and analysis, subject to regulatory authority approval, that Beaver Creek is not likely to be affected by subsidence. (See Appendix 7).

In addition, the permittee has submitted to the regulatory authority for approval, a plan to mitigate adverse subsidence effects to Beaver Creek in the event subsidence effects do occur. (See page 3-48)

At such time that the permittee or the regulatory authority determines that subsidence within the permit area has adversely affected Beaver Creek, the permittee shall notify the regulatory authority in writing, concerning the kind and extent of the damage, and begin implementation of the approved mitigation plan as directed by the regulatory authority.

Since subsidence may occur over any underground extraction, it is proposed to set up and maintain a monitoring network as described below.

The subsidence monitoring network will consist of permanent survey monuments located outside of the anticipated area of influence of subsidence and a series of monitoring stations within the potential subsidence zone. The monitoring stations will be steel re-bar with aluminum caps set so that weather, frost heave, or livestock will not disturb them.



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

State Office Building • Salt Lake City, UT 84114 • 801-533-5771

September 5, 1984

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: Special Condition No. 8, Beaver Creek Coal Company, Gordon
Creek #2 Mine, ACT/007/016, #2, Carbon County, Utah

The Division of Oil, Gas and Mining hereby extends the deadline for the above referenced special condition from September 1, 1984 to October 1, 1984 to allow for the previously intended time frame to develop the plan required by the condition.

Best regards,

Dianne R. Nielson
Director

MMB/btb

cc: Allen Klein
Steve Manger
Jim Smith
Mary Boucek
Steve Cox

88130-61



9

United States Department of the Interior
OFFICE OF SURFACE MINING
Reclamation and Enforcement
BROOKS TOWERS
1020 15TH STREET
DENVER, COLORADO 80202

JUN 13 1985

CERTIFIED MAIL: RETURN RECEIPT REQUESTED

Mr. Dan Guy
Beaver Creek Coal Company
P.O. Box AU
Price, Utah 84501

Dear Mr. Guy:

The Office of Surface Mining (OSM) has received a check for \$1,125.00 from Beaver Creek Coal Company (BCCC) payable to OSM in response to Federal permit UT-010 condition No. 9. The check should have been made payable to the U.S. Fish and Wildlife Service (FWS). OSM does not have the facilities to process contributions for the FWS conservation fund for endangered fish in the Colorado River. We are returning the check and requesting that a new check be reissued payable to the U.S. Fish and Wildlife Service and sent to the following individual:

Mr. G.L. Buterbaugh
Regional Director
U.S. Fish and Wildlife Service
P.O. Box 35486, DFC
Denver, Colorado 80225

Copies of BCCC's transmittal letter and check should be sent to OSM and Utah Division of Oil, Gas and Mining. If you have any questions, contact Mark Humphrey at (303) 844-3806.

Sincerely,

Allen D. Klein
Allen D. Klein
Administrator
Western Technical Center

cc: Bob Hagen, OSM-AFO
Dianne Nielson, DOGM

*Copies sent 6/20/85, to:
Allen D. Klein, O.S.M.
Lowell P. Braxton, DOGM*



United States Department of the Interior
FISH AND WILDLIFE SERVICE

MAILING ADDRESS:
Post Office Box 25486
Denver Federal Center
Denver, Colorado 80226

STREET LOCATION:
134 Union Blvd.
Lakewood, Colorado 80228

IN REPLY REFER TO:

FA/SE/OSM
Gordon Creek No. 2 Mine (6-5-84-0023)

JUL 1 1985

Mr. Dan Guy
Beaver Creek Coal Company
P.O. Box AU
Price, UT 84501

Dear Mr. Guy:

This acknowledges receipt of your company's check for \$1,125.00 dated June 20, 1985, for the conservation of endangered fishes in the Upper Colorado River Basin in compliance with Condition No. 9 of the Office of Surface Mining's Federal permit UT-010. This contribution satisfies your commitment identified in our Gordon Creek No. 2 Mine biological opinion dated August 13, 1984.

Sincerely yours,

JOHN L. SPINKS, JR.

Acting Regional Director

cc: Administrator, OSM, Denver, CO

bcc: Frank Dunkle, Special Assistant to RD
Don Rodgers FA
Field Supervisor, Salt Lake City (SE)
Field Supervisor, Grand Junction (SE)

Beaver Creek Coal Company

P.O. Box 40
Price, Utah 84501
Telephone (801) 637-6030



August 1, 1984

David L. Mills
Bureau of Land Management
P.O. Drawer AB
Price, Utah 84501

Dear David:

This is to confirm our telephone conversation on July 31, concerning the power pole modification at #7 Mine. In discussing your recommendations with the Mine Safety and Health Administration (MSHA), we concluded that the recommendations would be in compliance with Title 30, Code of Federal Regulations, Part 75.700-Grounding, and would be acceptable to both MSHA and Beaver Creek Coal Company.

We plan to proceed with the modifications set forth in Leon E. Berggren's letter of July 12, (3482,U-66) and complete them by the August 15, 1984 deadline.

Should you have any questions or comments, please contact me.

Sincerely,

Charles C. Dunbar
Mining Engineer

CCD/pjm

cc: D.W. Guy
M.P. Watson
M. Boucek, DOGM
L.E. Berggren, BLM
File 4-10

Beaver Creek Coal Company

P.O. Box 40

Price, Utah 84501

Telephone 801 637-8050



August 1, 1984

Mr. John W. Barton
Mine Safety and Health Administration
P.O. Box 25367
Denver, Co. 80225

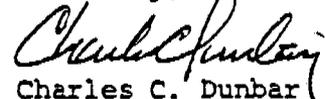
Dear Mr. Barton:

The Bureau of Land Management (BLM) has required that we modify the power poles at our Gordon Creek #7 Mine to meet raptor electrocution safe standards set forth by the U.S. Fish and Wildlife Service and BLM.

Recommendations for modification from BLM were discussed with Dan Bordea, Price MSHA office, and Jack Smith, Denver MSHA office, and were found to be acceptable. We plan to proceed with and complete the modifications by the August 15, 1984 deadline set by BLM. I have enclosed a copy of the letter from BLM which has the recommendations in it and a drawing showing the configuration of the poles after modification.

Should there be any problems with these modifications or if you have any questions or comments, please contact me at your earliest possible convenience.

Sincerely,


Charles C. Dunbar
Mining Engineer

CCD/pjm

enclosure

cc: D.W. Guy
M.P. Watson
C.W. McGlothlin, w/Attachment
J. Smith, MSHA, Denver, w/Attachment
D. Bordea, MSHA, Price, w/Attachment
File 4-E-1-3 w/Attachment



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dianne R. Nielson, Ph.D., Division Director

1 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

July 30, 1984

Mr. Dan Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. ^{Dan}Guy:

RE: Modification of Power Poles, Gordon Creek #2/#7 Mine,
ACT/007/016, #3, Carbon County, Utah

As per our telephone conversation of July 27, 1984, this letter will serve to extend the deadline for implementation of raptor-proofing designs on power poles at the Gordon Creek #7 Mine area until August 15, 1984, in order to coincide with the deadline imposed by the Bureau of Land Management.

Should you have any questions, please contact the Division at your earliest convenience.

Sincerely,

Mary M. Boucek
Permit Supervisor/
Reclamation Biologist

MMB/btb

cc: Clark Johnson, U. S. Fish & Wildlife Service
Mark Humphrey, OSM
Jim Smith, DOGM
Steve Cox, DOGM
Bart Kale, DOGM

88130-40

GORDON CREEK NO. 2/7 MINES

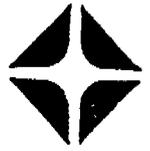
MODIFICATIONS / AMENDMENTS

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



September 26, 1985

Mr. Lowell P. Braxton
Administrator
Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Upgrade of Fuel Storage Area
Gordon Creek No. 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Enclosed are 3 copies of a map showing the upgrade of the fuel storage area in our No. 2 Mine yard. Mr. Tom Wright suggested that I submit these to you at this time, since the area is slightly different from that shown in the M.R.P.

This work was performed as part of our enhancement effort on the mine yard. No hydrology changes or changes in the bond are required as a result of this upgrade. The work consisted of removal of the oil storage trailer, replacement of straw and earthen berms with grouted berms for total containment, relocation of the fuel storage tanks, and the addition of a concrete pad and small compressor house to provide for a cleaner equipment wash-down area.

The entire mine yard will be resurveyed upon completion of the drainage and sedimentation control changes, and 14 copies of the updated surface facilities map will be provided at that time for the M.R.P.

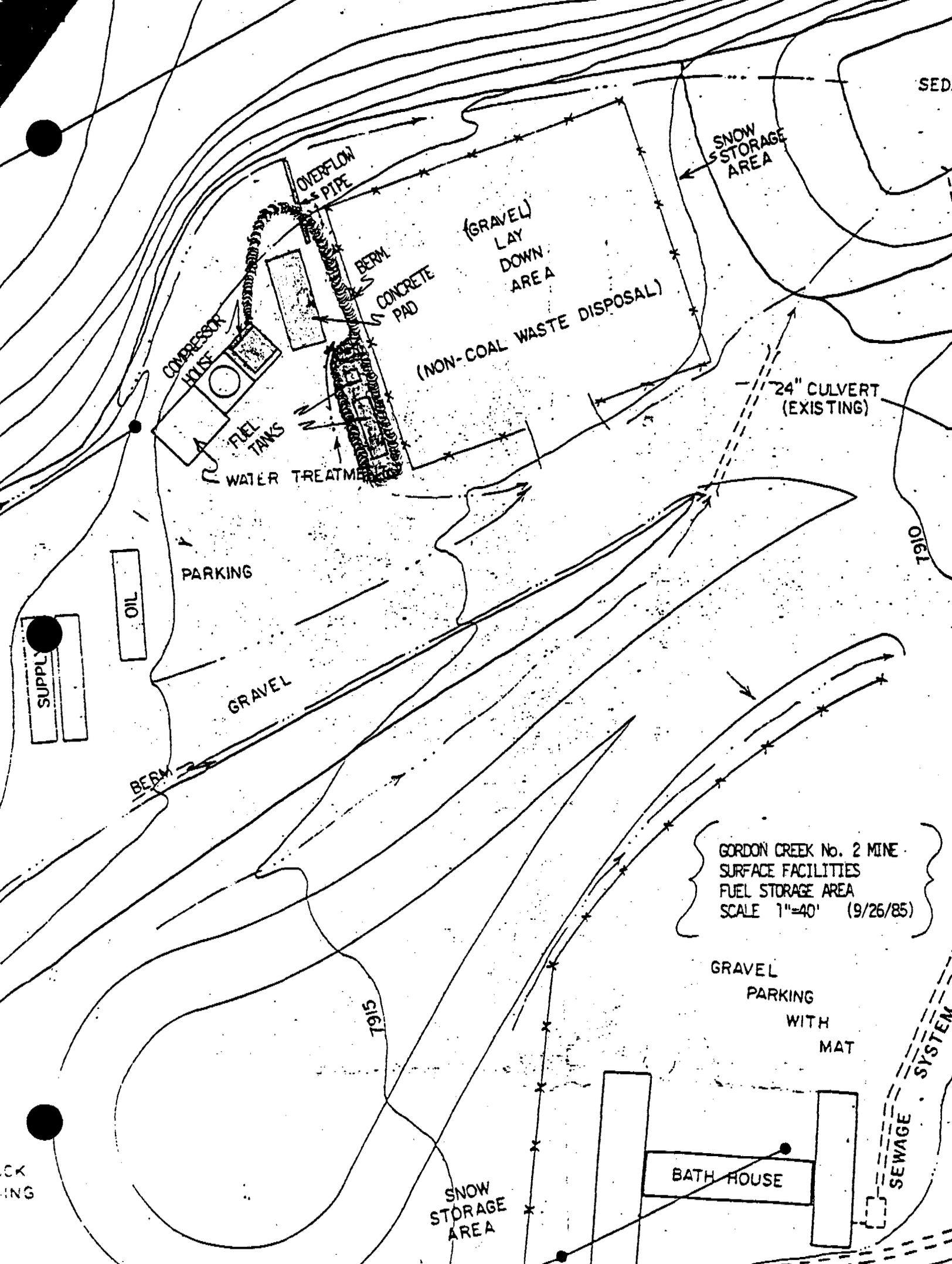
I hope this schedule will meet with your approval. If you have any questions, or need any further information, please let me know.

Respectfully,

Dan W. Guy
Manager of Permitting and Compliance

DWG/sb

cc: J. Marshall
File 4-P-5-1-5
IBM D3



GORDON CREEK No. 2 MINE
SURFACE FACILITIES
FUEL STORAGE AREA
SCALE 1"=40' (9/26/85)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

5 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

August 13, 1985

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

Re: Approval to Construct the Proposed Drainage and Sedimentation Control Amendment, Gordon Creek #2 and #7 Mines, ACT/007/016, Folder No. 3 and 7, Carbon County, Utah

On August 8, 1985 Beaver Creek Coal Company was sent a request for additional information on the Gordon Creek #2 and #7 Drainage and Sedimentation Control Plan. These additional items were responded to by Beaver Creek Coal Company on August 12, 1985.

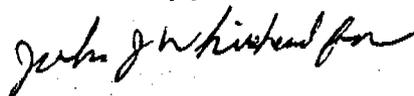
The Division has determined this information complete and adequate to address the applicable regulations and hereby gives its final approval to construct the proposed facilities. Please note that a construction permit from the Bureau of Water Pollution Control, Department of Health (DOH) must be obtained prior to initiation of construction on the sediment ponds. The Division has apprised Fred Pehrson of DOH of the priority of this project.

The Division appreciates the amount of effort that Beaver Creek Coal Company has put into this hydrology plan. It would be appreciated if you would apprise the Division on a weekly basis of the progress made on construction.

Page 2
Mr. Dan Guy
ACT/007/006
August 13, 1985

If there are any questions, please do not hesitate to call.

Sincerely,



L. P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

Review Chronology

- A. Operators Submittals
1. July 11, 1985
 2. August 6, 1985

- B. DOGM Responses
1. July 30, 1985 (Meeting)
 2. August 8, 1985

TM:jvb

cc: Allen Klein
Steve McNeil
Conrad Parrish
Jim Fricke
Wayne Hedberg

Joe Helfrich
Tom Munson
Rick Summers
John Whitehead

0141R-9



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

5 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 24, 1985

JUN 26 1985

BEAVER CREEK
COAL COMPANY

CERTIFIED RETURN RECEIPT REQUESTED
(P402 457 193)

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: Approval of Amendment to Sweet's Canyon Water Fill-Up
Area, Gordon Creek #2 Mine, ACT/007/016, #3 and #4, Carbon
County, Utah

The Mining and Reclamation Plan (MRP) amendment plans submitted by Beaver Creek Coal Company June 19, 1985 for the Sweet's Canyon water fill-up area have been reviewed by the Division. The proposed plans are acceptable and approval is hereby granted by the Division to proceed with construction.

Now that the plans have been finalized and approved, please provide an additional 13 copies of the complete plans. The text, maps, etc., should be formatted to allow direct insertion into the appropriate section of the approved MRP's currently on file with the regulatory agencies. Please provide these copies by July 12, 1985 to the Division for distribution.

Page 2

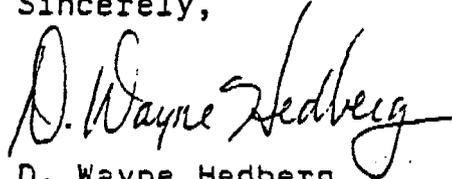
Mr. Dan W. Guy, Manager

ACT/007/016

June 24, 1985

Thank you for your cooperation in this matter. Please contact me or Dave Hooper should you have any questions.

Sincerely,



D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

REVIEW CHRONOLOGY:

A. Operator Submittals
1. 3/21/85
2. 6/19/85

B. DOGM Responses
1. 4/16/85
2. 6/24/85

DH/btb

cc: Allen Klein
Lowell Braxton
Dave Hooper
Rick Summers
John Whitehead
Tom Wright

0338R-35 & 36



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

35 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 20, 1985

Mr. Dan Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: Proposed Amendment to Change Mine Conveyor at the #7 Mine,
Gordon Creek #2 and #7 Mine, ACT/007/016, #3 and #4,
Carbon County, Utah

The proposed change to the #7 Mine conveyor at the Gordon Creek #2 Mine contained in your May 30, 1985 letter have been reviewed. The proposed changes are in accord with applicable regulations. The Division hereby approves this amendment. You may implement the changes to the conveyor system at your earliest convenience.

Sincerely,

John J. Whitehead
Permit Supervisor/
Reclamation Hydrologist

btb

cc: Allen Klein
Robert Hagen
Wayne Hedberg
Tom Wright

9294R-33



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

May 30, 1985

Mr. Dan W. Guy, Manager
Permitting and Compliance
Beaver Creek Coal Company
P. O. Box 1378
Price, Utah 84501

Dear Mr. Guy:

RE: Material Storage Shed Relocation Amendment, Gordon Creek
#2 Mine, ACT/007/016, #3 and #4, Carbon County, Utah

The Division has reviewed your May 14, 1985 letter requesting relocation of the covered storage shed at the Gordon Creek #2 Mine site. The proposal is in accord with applicable sections of the regulations. The Division hereby approves this amendment.

In order to update the Gordon Creek #2 Mine plan, please submit 11 more copies of Plate 3-1.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Lowell P. Braxton'.

Lowell P. Braxton
Administrator
Mineral Resource Development
and Reclamation Program

btb

cc: Allen Klein
Robert Hagen
Wayne Hedberg
John Whitehead
Tom Wright

9294R-24



January 30, 1985

Mr. Dan Guy
Manager of Permitting and Compliance
Beaver Creek Coal Company
P. O. Box AU
Price, Utah 84501

Dear Mr. Guy:

Re: Approval of NOV Abatement Plans N84-6-13-1, #2 Belt Transfer
Drainage, Gordon Creek No. 7 Mine, Beaver Creek Coal Company,
ACT/007/016, Folder No. 3 & 7, Carbon County, Utah

The Division has received the written acceptance of conditions submitted by Beaver Creek Coal Company, January 1985, for approval of Notice of Violation (NOV) N84-6-13-1. The Division hereby approves the abatement plans. The Division understands that construction has been completed per plans.

Thank you for your cooperation in this matter. Please contact me or Dave Hooper should you have any questions.

Sincerely,

D. Wayne Hedberg
Permit Supervisor/
Reclamation Hydrologist

REVIEW CHRONOLOGY:

- A. Operator Submittals
1. 10/5/84
 2. 12/10/84
 3. 1/9/85

- B. DOGM Responses
1. 10/23/84
 2. 12/14/84
 3. 1/31/85

DH:jvb

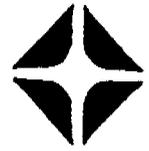
cc: A. Klein
R. Hagen
J. Helfrich
B. Kale
S. Linner
T. Wright

GORDON CREEK NO. 2/7 MINES

NOTIFICATIONS

Beaver Creek Coal Company

P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



October 14, 1985

Mr. Lowell Braxton
Administrator
Division of Oil, Gas, & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

RE: Gordon Creek No. 2 Mine
Final Closure
ACT/007/016
Carbon County, Utah

Dear Mr. Braxton:

Enclosed is a copy of a Notice of Closure of the Gordon Creek No. 2 Mine, along with a plan for sealing the portals.

The portals are presently being sealed, and will be backfilled as per the approved plan. Since the other facilities at this location also serve the No. 7 Mine, final reclamation of this site will not take place until the No. 7 Mine is completed.

If you have any questions, or need any further information, please let me know.

Respectfully,

Dan W. Guy
Manager of Permitting and Compliance

DWG/sb

cc: J. Marshall
File 4-P-5-1-1 ✓
IBM D3

Beaver Creek Coal Company

W.O. No. 1979

Price, Utah 84501

Telephone 801 637-8000



October 10, 1985

Mr. Alan Vance
Bureau of Land Management
P.O. Drawer AB
Price, UT 84501

RE: Gordon Creek #2 Mine
ID No. 42-00125
Mine Sealing

Dear Mr. Vance:

Enclosed please find a copy of the approved Mine Sealing Plan with six copies of the final mine map showing the location of the seals.

Production at the #2 Mine was completed on October 9, 1985. Seals will be constructed prior to November 1, 1985.

If you have any questions, please call.

Sincerely,

R. Jay Marshall
R. Jay Marshall
Engineering Supervisor

RJM/sb

cc: File
IBM E3



September 20, 1985

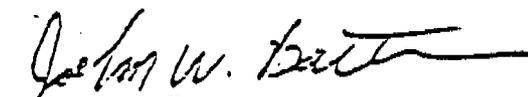
Mr. Robert P. Moschetta
Safety Supervisor
Beaver Creek Coal Company
P.O. Box 1378
Price, Utah 84501

Re: Gordon Creek #2 Mine
ID No. 42-00125
Mine Sealing Plan - Portal Seals

Dear Mr. Moschetta:

The enclosed mine sealing plan, recieved September 12, 1985, has been approved in accordance with 30 CFR 75.1711-2. The plan is subject to review and possible revision at any time and any changes proposed to the plan shall be approved by MSHA prior to implementation.

Sincerely,


John W. Barton
District Manager

Enclosure

* * * * *

SAFETY NOTE: Last September five miners died in fall of roof and rib accidents.

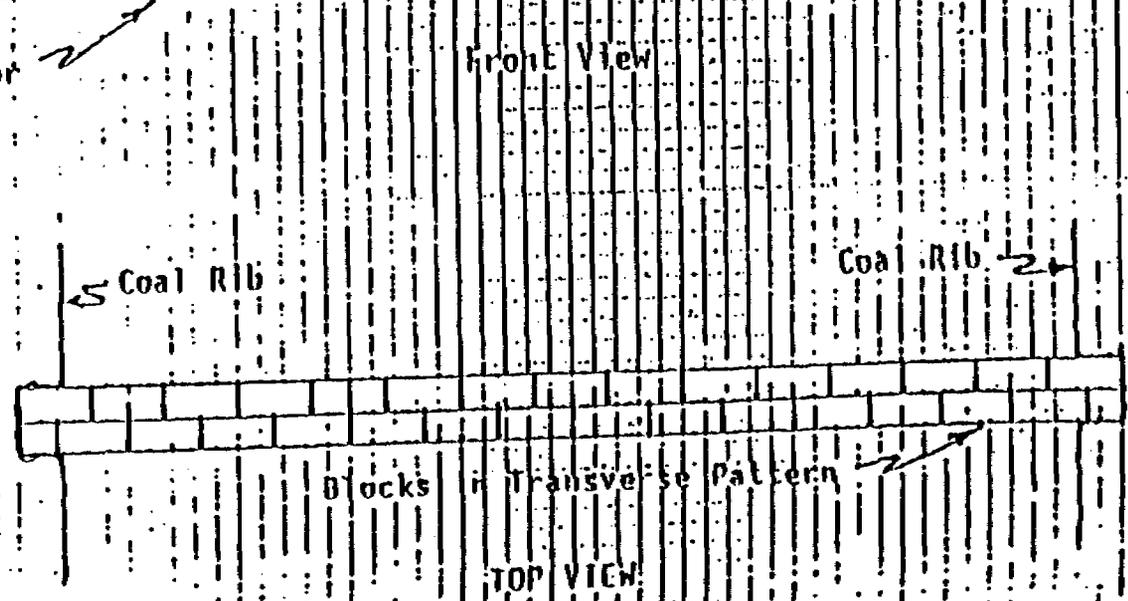
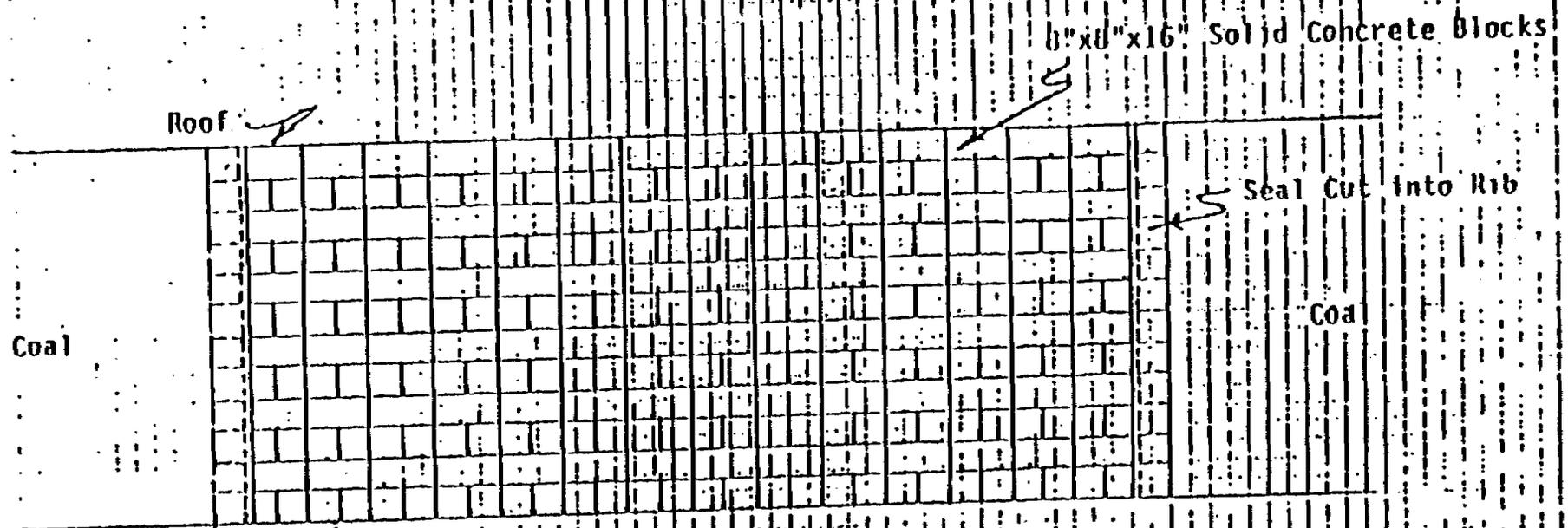
Sealing of Mine Openings

The first phase of the reclamation activity following final abandonment of the operation will be accomplished by placing a mortared joint block seal 20 to 50 feet in by the portal. If the width of the seal exceeds 16', a pilaster will be included in the seal. The area out by the seal will then minimize any roof breaking in this area. The portal structures will be removed and the exposed coal seam, including portal area, will be covered during the reclamation of the upper pad and high wall areas. Details of the seals are shown on Figures 3-7 and 3-8.

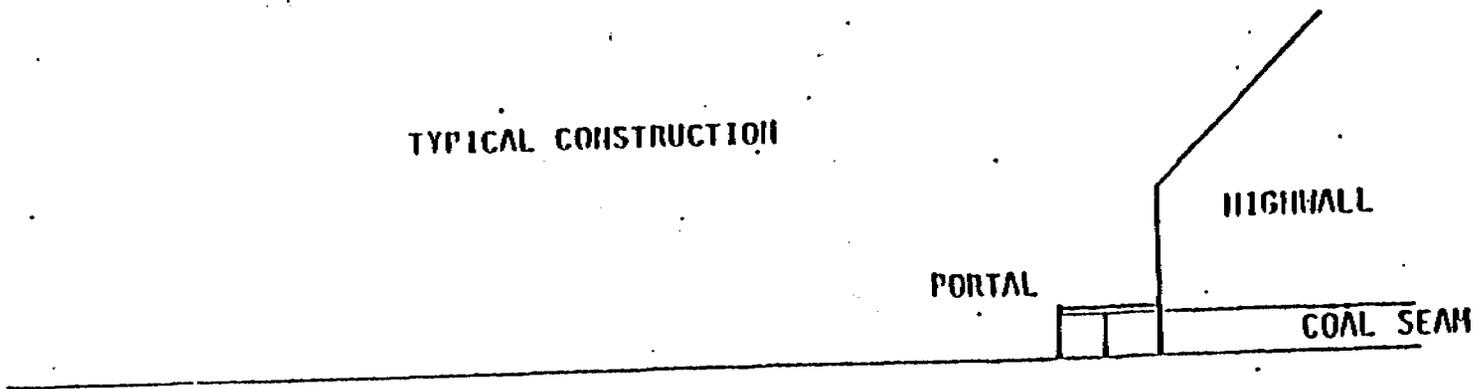


TYPICAL PORTAL SEAL

Scale 1"=4'



TYPICAL CONSTRUCTION



TYPICAL FOR RECLAMATION

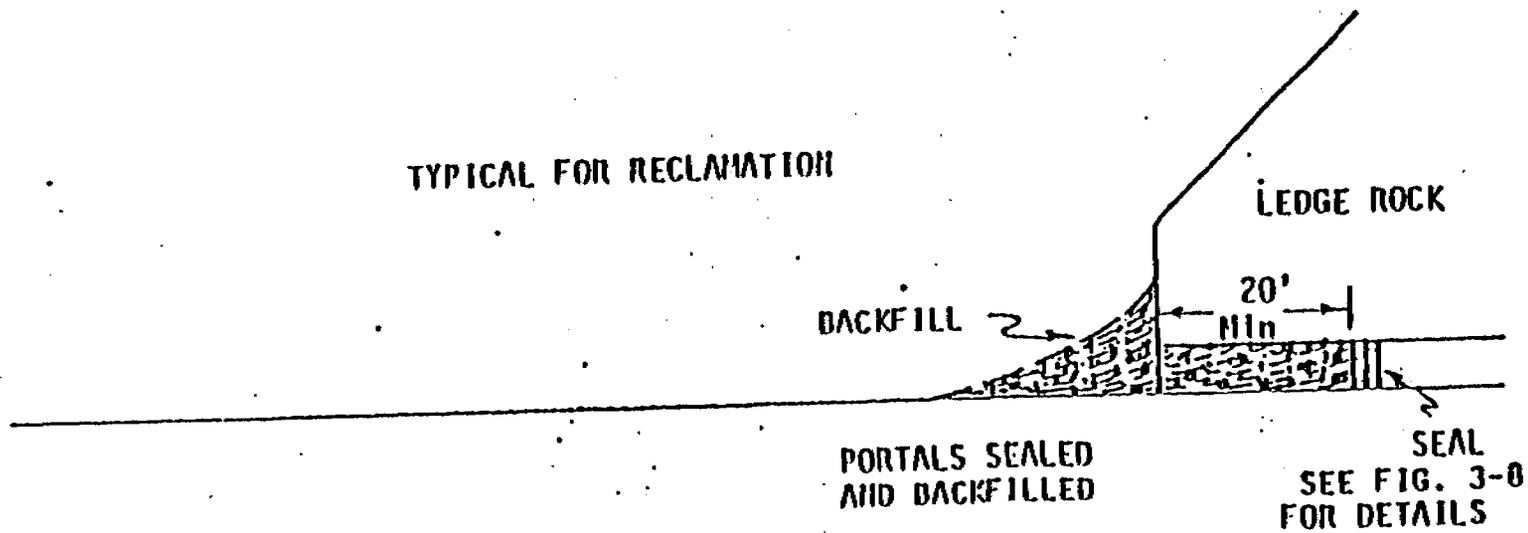


FIGURE 3-7 TYPICAL PORTAL SEALING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Moab District
Price River Resource Area
P. O. Drawer AB
Price, Utah 84501

3400
- (U-8319)
(U-066)

Mr. R. J. Marshall
Engineering Supervisor
Beaver Creek Coal Co.
P. O. Box 1378
Price, Utah 84501

OCT 30 1985

Dear Mr. Marshall:

A copy of the MSHA approved Mine Sealing Plan and accompanying mine maps showing the location of the seals were received October 16, 1985. The MSHA approved Mine Sealing Plan is compatible with the Mining and Reclamation Plan (3.5.3.1 Sealing of Mine Openings) specifications.

It has been observed in the course of mining in Gordon Creek No. 2 Mine that a maximum economic recovery (MER) of the coal resource in the Castlegate A coal seam was met by Beaver Creek Coal Co. All of the accessible coal in the Castlegate A coal seam that could be economically mined was recovered in the mining process that has been in operation for many years, and in particular since 1970 when the Federal coal lease U-8319 was issued.

All potential unmined recoverable coal remaining within the Federal coal lease U-8319 are in the Hiawatha coal seam located below the Castlegate A coal seam and could still be recovered from existing access yet to be devised.

The building of block seals and plugging of the portal areas according to your plans satisfy Resource Protection and Protection Plan (R2P2) requirements. Further reclamation will be under OSM and DOGM requirements as the adjoining mining operations are completed.

If you have any questions please contact Allen Vance of my staff at 637-4584.

Sincerely yours,

Mark A. Muesing
Area Manager

cc: Moab District Office (U-065)
Utah State Office (U-921)
OSM, Denver
DOGM

COPY

Beaver Creek Coal Company

P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



March 20, 1986

Helper Associates
c/o S.V. Litizzette
178 South Main Street
Helper, Utah 84526

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
Carbon County, Utah

Dear Mr. Litizzette:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
← File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



March 20, 1986

Mr. Carl Nyman
4260 Olympus View Drive
Salt Lake City, Utah 84117

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Nyman:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378
Price, Utah 84501
Telephone 801 637-5050



March 20, 1986

G. Pete & Betty Ray Frandsen
9267 Tortelline Drive
Sandy, Utah 84070

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. & Mrs. Frandsen:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Wasatch Coal Company
c/o George N. Cannan Co.
Mtg. Rep.
1322 Chandler Dr.
Salt Lake City, Utah 84103

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Carbon County, Utah

Dear Sir:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Milton A. Oman
717 Continental Bank Bldg.
Salt Lake City, Utah 84100

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Oman:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

BEAVER CREEK Coal Company

Post Office Box 1378
Price, Utah 84501
Telephone 801 637-5050



March 20, 1986

Mr. Eldred E. Pierce, Jr.
Rt. #1, Box 143
Price, Utah 84501

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Carbon County, Utah

Dear Mr. Pierce:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Calvin K. Jacob & Sons
Partnership
754 S. Cherry Drive
Orem, Utah 84057

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Gordon Creek No.3 Mine
INA/007/017
Carbon County, Utah

Dear Mr. Jacob:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Mr. Movell A. Jewkes
c/o ReeseLlewellyn
2588 Elizabeth
Salt Lake City, Utah 84101

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No. 2 Mine
ACT/007/016
Gordon Creek No. 3 Mine
INA/007/017
Carbon County, Utah

Dear Mr. Jewkes:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Ms. Margaret Pierce Grant
c/o Catherine Jewkes
730 N. 4th East
Price, Utah 84501

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Gordon Creek No.3 Mine
INA/007/017
Carbon County, Utah

Dear Ms. Grant:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

State of Utah
Division of State Lands
Department of Natural Resources
105 State Capital Building
Salt Lake City, Utah 84114

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Gordon Creek No.3 Mine
INA/007/017
Carbon County, Utah

Dear Sir:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1376

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Carbon County
Courthouse Building
Price, Utah 84501

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Gordon Creek No. 3 Mine
INA/007/017
Carbon County, Utah

Dear Sir:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File

Beaver Creek Coal Company

P.O. Box 1378

Price, Utah 84501

Telephone 801 637-5050



March 20, 1986

Catherine Pierce Jewkes
730 North 4th East
Price, Utah 84501

Re: Surface Owner Notification
of Underground Mining Activities
Gordon Creek No 2 Mine
ACT/007/016
Gordon Creek No. 3 Mine
INA/007/017
Carbon County, Utah

Dear Ms. Jewkes:

You are the surface owner of record of lands situated above, or adjacent to, Beaver Creek Coal Company mining operations.

This letter is to notify you that Beaver Creek Coal Company has conducted or may conduct underground mining in the future beneath, or adjacent to, these properties.

As with any underground operation, there is a remote possibility of subsidence from this mining. Beaver Creek Coal Company will be monitoring subsidence and hydrology on areas that could possibly be affected by its mining activities. This may require that our monitoring personnel have access onto your property for performance of this work.

If you have any questions, or need any further information, please let me know.

Sincerely,

D.W. Guy
Manager Permitting/Compliance

DWG/rs

cc: Lowell Braxton, DOGM
Dave Lof, DOGM
Jay Marshall, BCCC
File 4-E-3-5
File