0009

FILE #C INA/015/007

**CalMat Co**

P.O. BOX 947, COLTON, CALIFORNIA 92324/(714) 825-4260

March 29, 1988

State of Utah
Natural Resources
Oil, Gas and Mining
355 W. North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Attn: Mr. Lowell P. Braxton:

Dear Lowell:

Enclosed is the 1987 Annual Report for our Hidden Valley property.

Yours truly,

John W. Rains
Chief Mining Engineer

JWR/kew

RECEIVED
MAR 29 1988
DIVISION OF
OIL, GAS & MINING

[Revised January 1988]

# COAL MINING AND RECLAMATION OPERATIONS FOR 1987
(Authority UMC 784)

(Must be submitted to the Division by March 31, 1988)

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, UT 84180-1203
(801) 538-5340

Operator: CALIFORNIA PORTLAND CEMENT, A DIVISION OF CALMAT CO

Mine Name: HIDDEN VALLEY

Mailing Address: 695 S. RANCHO AVE., COLTON, CA 92324

Company Representative: JOHN W. RAINS

Permit Number: INA/015/007

Date of Most Recent Permanent Program Permit: 12/11/86 - RECLAMATION

Quantity of Coal Mined (tonnage) 1987: NONE

Attach Updated Mine Sequence Map.

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

A. Summarized Water Monitoring Data

B. Precipitation or Other Climatological Data

C. Subsidence Monitoring Report

D. Vegetation Data (test plots) or Revegetation Success Monitoring (includes interim and final)

E. Permit Stipulation Status

jr
1426R/1

March 28, 1988

HIDDEN VALLEY COAL PROPERTY

1987 Annual Report

A. See Attached

B. The closest official weather station is located at Emery, Utah, about eight miles north-northwest of the mine site.

Average annual precipitation is 7.55 inches. Prevailing strong winds are from the south. Daily winds shift from southeast in the A.M. to northwest in the P.M.

Note: A high intensity, short duration thunderstorm occurred at the mine site in August 1987. Storm event was well in excess of the designed 100 year event. Storm damages to the reclaimed site were repaired in October 1987.

C. None.

D. Revegetation area is being monitored monthly (April - September) during the first two growing seasons. The first growing season was 1987. Predominant vegetation was only weeds during the first year. This is typical. Some native vegetation interspersed among the weeds was observed.

E. Active reclamation permit. Monitoring for the first year (10 year schedule) is complete.

Extension of time to submit Proof of Appropriation for water rights - drill holes #1, 2, 3, and 7 - was granted. Extended from January 31, 1988 to March 3, 1992. See attached.

jwr207

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Robert L. Morgan
State Engineer

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

1636 West North Temple, Suite 220
Salt Lake City, Utah 84116-3156
801-538-7240

February 17, 1988

Soldier Creek Coal Company
c/o Hidden Valley Coal Company
P. O. Box 947
Colton, CA 92324-0514

Dear Applicant: RE: Application No. 94-309 (A47409)

Request for extension of time in which to submit Proof of Appropriation or Proof of Change contemplated by the above-numbered application has been considered and the time for receiving Proof of Appropriation is hereby extended from January 31, 1988, to March 3, 1992 (End of 14 years).

This extension is granted in accordance with the law which states: "The construction of the works and the application of water to beneficial use shall be diligently prosecuted to completion within the time fixed by the state engineer. Extensions of time ... may be granted by the state engineer on proper showing of diligence or reasonable cause for delay... In the consideration of an application to extend the time in which to place the water to beneficial use under an approved application, ... the State Engineer shall deny such extension and declare the application lapsed, unless the applicant affirmatively shows that he has exercised or is exercising reasonable and due diligence in working toward completion of the appropriation."

I earnestly recommend that you complete your development and submit Proof of Appropriation at the earliest possible date.

Your contact with this office, should you need it, is with the Area Engineer, Mark Page. The telephone number is (801)637-1303.

Yours truly,

Robert L. Morgan

Robert L. Morgan, P.E.
State Engineer

EXTENSION GRANTED

an equal opportunity employer

**CalMat Co**

P.O. BOX 947, COLTON, CALIFORNIA 92324/(714) 825-4260

July 27, 1987

Mr. Lowell P. Braxton
Administrator
Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Lowell:

Enclosed please find the results of the May 1987 stream monitoring work for Ivie Creek at the Hiden Valley Property. Samples and field measurements were taken on May 27, 1987. Both the field results, including work sheets, and the laboratory results are included herein. Site No. 1 is the upstream monitoring site located on the west side of the property. Site No. 2 is the downstream monitoring site located on the east side of the property.

Please contact me if you have any questions regarding this matter.

Sincerely,

John W. Rains
Chief Mining Engineer

JWR/kew
Enclosure

5-27-87 Hidden Valley Monitoring 10:15

Site #1 Ivie Upstream of disturbance

| Dist | Depth | Vel | Q | | | | | Q |
|---|---|---|---|---|---|---|---|---|
| 0 | 0 | | | .5 | 11.0 | .2 | 117 | .117 |
| .5 | 0 | | | .5 | 11.5 | .25 | 1.22 | .152 |
| 1.0 | 0 | WE | | .5 | 12.0 | .2 | 1.15 | .115 |
| .5 1.5 | .3 | 1.01 | .152 | .5 | 12.5 | .2 | 0.12 | .012 |
| .5 2.0 | .25 | 1.19 | .149 | 13.0 | WE | | | |
| .5 2.5 | .25 | 1.64 | .205 | | | | | 3.7 |
| .5 3.0 | .25 | 1.74 | .218 | | | | | |
| .5 3.5 | .2 | 1.72 | 172 | | | | | |
| .5 4.0 | .2 | 1.83 | .183 | | | | | |
| .5 4.5 | .2 | 1.81 | .181 | | | | | |
| .5 5.0 | .2 | 1.53 | .153 | | | | | |
| .5 5.5 | .2 | 1.80 | .180 | | | | | |
| .5 6.0 | .2 | 1.90 | .190 | | | | | |
| .5 6.5 | .25 | 1.40 | .175 | | | | | |
| .5 7.0 | .2 | 1.58 | .158 | | | | | |
| .5 7.5 | .25 | 1.43 | .179 | | | | | |
| .5 8.0 | .25 | 1.41 | .176 | | | | | |
| .5 8.5 | .25 | 1.48 | .185 | | | | | |
| .5 9.0 | .25 | 1.46 | .182 | | | | | |
| .5 9.5 | .25 | 1.35 | .169 | | | | | |
| .5 10.0 | .25 | 1.28 | .160 | | | | | |
| .5 10.5 | .2 | 1.16 | .116 | | | | | |

Temp 17°C
DO: 7.7 mg/l
pH* 8.34
Cond 3050

*taken next day.

5-27-87 Hidden Valley Monitoring 11:45

Site #2 Ivie Creek downstream site

| Depth | Dist | V | Q |
|---|---|---|---|
| 1.0 | WE | | |
| .25 1.25 | .2 | .46 | .023 |
| .35 1.5 | .5 | .57 | .107 |
| .5 2.0 | .5 | .6 | .15 |
| .5 2.5 | .5 | 1.04 | .26 |
| .5 3.0 | .5 | 1.08 | .27 |
| .5 3.5 | .45 | 1.26 | .284 |
| .5 4.0 | .4 | 1.06 | .212 |
| .5 4.5 | .4 | 1.21 | .242 |
| .5 5.0 | .4 | 1.57 | .314 |
| .5 5.5 | .35 | 1.40 | .245 |
| .5 6.0 | .3 | 1.45 | .218 |
| .5 6.5 | .3 | 1.49 | .224 |
| .5 7.0 | .3 | 1.50 | .225 |
| .5 7.5 | .25 | 1.45 | .181 |
| .5 8.0 | .25 | 1.33 | .166 |
| .5 8.5 | .25 | 1.20 | .15 |
| .5 9.0 | .2 | .97 | .097 |
| .5 9.5 | .2 | .83 | .083 |
| .5 10.0 | .2 | .60 | .060 |
| .25 10.5 | .4 | .58 | .087 |
| 10.75 | WE | | |

3.6

DO = 7.9 mg/l
Temp = 17°C
pH* = 8.16
Cond = 3100

Weather:
cloudy -
bragy
cool
lots of
rain previous
week

*taken next day

FIELD SHEETS - HIDDEN VALLEY

Hidden Valley Monitoring
May 27, 1987

| Site | No. 1<br>Ivie C. Upstream | No.2<br>Ivie C. Downstream |
|---|---|---|
| Discharge | 3.7 cfs | 3.6 cfs |
| pH | 8.34 | 8.16 |
| Conductivity | 3050 micromhos | 3100 micromhos |
| Temperature | 17 C | 17 C |
| Dissolved Oxy. | 7.7 mg per 1 | 7.9 mg per 1 |

# CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

367 SOUTH COMMERCE LOOP
OREM, UTAH 84057
(801) 226-8822

2875 MAIN
SUITE #101
SALT LAKE CITY, UTAH 84115
(801) 483-1162


DATE: 6-10-87

TO: JBR Consultants
1841 E. Fort Union Blvd.
Salt Lake City, UT 84121

SAMPLE SOURCE: Calmat

## CERTIFICATE OF ANALYSIS

| SAMPLE ID: | #1 Ivie UPPER | #2 Ivie LOWER |
|---|---|---|
| LAB #: | U019034 | U019035 |
| PARAMETER | | |
| Total Dissolved Solids, mg/l | 2900 | 2890 |
| Total Suspended Solids, mg/l | 510 | 476 |
| Settleable Solids, ml/l | 0.3 | 0.3 |
| Hardness as $CaCO_3$, mg/l | 1620 | 1610 |
| Acidity as $CaCO_3$, mg/l | 12 | 10 |
| Bicarbonate as $HCO_3$, mg/l | 362 | 352 |
| Carbonate as $CO_3$, mg/l | 0 | 0 |
| Calcium as Ca, mg/l | 175 | 176 |
| Chloride as Cl, mg/l | 154 | 150 |
| Iron (diss) as Fe, mg/l | 0.12 | 0.10 |
| Magnesium as Mg, mg/l | 200 | 202 |
| Manganese (tot) as Mn, mg/l | 0.163 | 0.158 |
| Potassium as K, mg/l | 17.9 | 18.2 |
| Sodium as Na, mg/l | 440 | 440 |
| Sulfate as $SO_4$, mg/l | 1670 | 1700 |
| Oil & Grease, mg/l | <.5 | <.5 |
| Cation, meq/l | 44.8 | 45.0 |
| Anion, meq/l | 45.1 | 45.4 |

Rex Henderson

**CalMat Co**

P.O. BOX 947, COLTON, CALIFORNIA 92324/(714) 825-4260

November 16, 1987

Mr. Lowell P. Braxton
Administrator
Utah Division of Oil, Gas and Mining
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Dear Lowell:

Enclosed please find the results of the September 1987 stream monitoring work for Ivie Creek at the Hidden Valley Property. Samples and field measurements were taken on September 14, 1987. Both the field results, including work sheets, and the laboratory results are included herein. Site No. 1 is the upstream monitoring site located on the west side of the property. Site No. 2 is the downstream monitoring site located on the east side of the property.

Please contact me if you have any questions regarding this matter.

Sincerely,

John W. Rains
Chief Mining Engineer

JWR/mam
Enclosure

# CHEMTECH

*CHEMICAL AND BACTERIOLOGICAL ANALYSES*

367 SOUTH COMMERCE LOOP
OREM, UTAH 84057
(801) 226-8822

2875 MAIN
SUITE #101
SALT LAKE CITY, UTAH 84115
(801) 483-1162


DATE: 9-29-87

TO: JBR Consultants
1841 E. Fort Union Blvd.
Salt Lake City, UT 84121

SAMPLE ID: Lab #U021093 - Calmat, Ivie Upper 9-14-87, 9-15-87
Lab #U021094 - Calmat, Ivie Lower 9-14-87, 9-15-87

## CERTIFICATE OF ANALYSIS

| PARAMETER | UPPER U021093 | LOWER U021094 |
|---|---|---|
| TDS, mg/l | 4,120 | 4,190 |
| TSS, mg/l | 18 | 8.4 |
| Settleable Solids, mg/l | <.1. | <.1 |
| Hardness as $CaCO_3$, mg/l | 2,090 | 2,090 |
| Acidity as $CaCO_3$, mg/l | 0 | 0 |
| Bicarbonate as $HCO_3$, mg/l | 284 | 267 |
| Carbonate as $CO_3$, mg/l | 5.5 | 10.5 |
| Calcium as Ca, mg/l | 240 | 240 |
| Magnesium as Mg, mg/l | 80.2 | 80.2 |
| Potassium as K, mg/l | 12.2 | 12.7 |
| Sodium as Na, mg/l | 433 | 432 |
| Chloride as Cl, mg/l | 317 | 328 |
| Sulfate as $SO_4$, mg/l | 1,020 | 1,040 |
| Manganese (T) as Mn, mg/l | 0.038 | 0.030 |
| Iron (D) as Fe, mg/l | <.01 | <.01 |
| Oil & Grease, mg/l | <.5 | <.5 |
| pH Units | 8.29 | 8.38 |
| Cations, meq/l | 37.7 | 37.7 |
| Anions, meq/l | 35.1 | 35.7 |

Rex Henderson

Hidden Valley Monitoring
September 10, 1987

| Site | No. 1<br>Tvie C. Upstream | No. 2<br>Tvie C. Downstream |
|---|---|---|
| Discharge | 0.7 cfs | 0.7 cfs |
| pH | 8.40 | 8.37 |
| Conductivity | 4000 micromhos | 4000 micromhos |
| Temperature | 14.5 C | 20.4 C |
| Dissolved Oxy. | 8.1 mg per l | 7.6 mg per l |