

0007

CalMat Co

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

*Mine file UB015/007/
cc cover letter: R. Smith*



June 19, 1989

RECEIVED
JUN 21 1989

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

DIVISION OF
OIL, GAS & MINING

Re: Ivie Creek, Hidden Valley Project
1989 Stream Monitoring Work

Dear Mr. Braxton:

Enclosed are the results of the May 1989 stream monitoring work for Ivie Creek at the Hidden Valley Project. Samples and field measurements were taken on May 1.

Both the field results, including work sheets, and the laboratory results are included here. Site #1 is the upstream monitoring site and is located on the west side of the property. Site #2, the downstream monitoring site, is located just to the east of the property line.

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

Sincerely,

John W. Rains

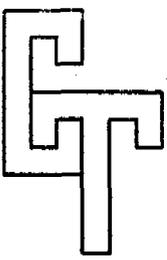
John W. Rains
Chief Mining Engineer
California Portland Cement Division
CalMat Co

/kew
Enclosures

jwr315

HIDDEN VALLEY MINE
WATER MONITORING SUMMARY
MAY 1, 1989

Location	Flow (cfs)	Temperature degress C	pH	Conductivity (micromhos)	Dissolved Oxygen (mg/l)
#1 Ivie Ck (upper)	1.3	16	8.5	3600	8.4
#2 Ivie Ck (lower)	1.4	16	8.5	3550	8.7



CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

6100 S. STRATLER
MURRAY, UTAH 84107
(801) 262-7299

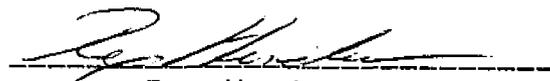
DATE: 6-2-89

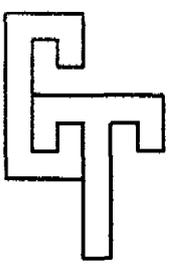
TO: JBR Consultants
1952 E. Fort Union Blvd. STE 209
Salt Lake City, UT 84121

LAB NO: UO41007 - Submitted 5-3-89, Collected 5-1-89
LOCATION: Calmat - Hidden Valley, Lower Ivie Creek

CERTIFICATE OF ANALYSIS

<u>PARAMETER</u>	<u>LEVEL</u>	<u>DATE</u>
TDS, mg/l	4,180	5-15
TSS, mg/l	9.2	5-16
SS, mg/l	<.1	5-16
Acidity, mg/l	18.9	5-4
Carbonate as CO ₃ , mg/l	0	5-11
Bicarbonate as HCO ₃ , mg/l	338	5-11
Calcium as Ca, mg/Kg	260	5-17
Chloride as Cl, mg/l	256	5-9
Iron as Fe (D), mg/l	0.090	5-22
Iron as Fe (T), mg/l	0.168	5-22
Magnesium as Mg, mg/l	212	5-17
Manganese as Mn (D), mg/l	<.01	5-22
Manganese as Mn (T), mg/l	0.028	5-22
Potassium as K, mg/l	13.8	5-17
Sodium as Na, mg/l	546	5-17
Sulfate as SO ₄ , mg/l	2,020	5-15
Oil & Grease, mg/l	3.0	5-5
Cation, meq/l	54.5	
Anion, meq/l	54.8	


Rex Henderson



CHEMTECH

CHEMICAL AND BACTERIOLOGICAL ANALYSES

6100 S. STRATLER
MURRAY, UTAH 84107
(801) 262-7299

DATE: 6-2-89

TO: JBR Consultants
1952 E. Fort Union Blvd. STE 209
Salt Lake City, UT 84121

LAB NO: U041006 - Submitted 5-3-89, Collected 5-1-89
LOCATION: Calmat - Hidden Valley, Upper Ivie Creek

CERTIFICATE OF ANALYSIS

<u>PARAMETER</u>	<u>LEVEL</u>	<u>DATE</u>
TDS, mg/l	4,230	5-15
TSS, mg/l	2.5	5-16
SS, mg/l	<.1	5-16
Acidity, mg/l	17.2	5-4
Carbonate as CO ₃ , mg/l	0	5-11
Bicarbonate as HCO ₃ , mg/l	339	5-11
Calcium as Ca, mg/Kg	252	5-17
Chloride as Cl, mg/l	247	5-9
Iron as Fe (D), mg/l	0.085	5-22
Iron as Fe (T), mg/l	0.118	5-22
Magnesium as Mg, mg/l	208	5-17
Manganese as Mn (D), mg/l	<.01	5-22
Manganese as Mn (T), mg/l	0.020	5-22
Potassium as K, mg/l	13.3	5-17
Sodium as Na, mg/l	552	5-17
Sulfate as SO ₄ , mg/l	2,000	5-15
Oil & Grease, mg/l	1.0	5-5
Cation, meq/l	54.0	
Anion, meq/l	54.2	


Rex Henderson