I CERTIFY THAT I AM A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH AND DO ALSO CERTIFY THAT THIS DRAWING/PLAN IS ACCURATE AS DEPICTED AND STRUCTURES ASSOCIATED WITH THIS PLAN ARE DESIGNED ACCORDING TO PRUDENT ENGINEERING PRACTICES TO THE BEST OF MY KNOWLEDGE AND BELIEF.

STEVEN E. KOCHEVAR NO.7889 — DATE 3/18/93

LEGEND:

- U.P.&L. CO. PERMIT BOUNDARY LINE
- PAST WATER MONITORING STATION (Historical Reference Only)
- WATER MONITORING STATION WITH FLUME (Flow & Field Data)
- FLUME AND SAMPLING LOCATION
- DRAINAGE DIVIDE
- SURFACE MONITORING WELLS
- UPDES DISCHARGE LOCATIONS
- WATER MONITORING LOCATION WITHOUT FLUME
- PROPOSED MONITORING WELLS (Deer Creek In-Mine Locations)

DATE	REVISIONS	BY	CHK.
3-16-93	ADDED CCCW1, 2, 3 AND REVISED LEGEND	PKN	
3-19-92	ADDED ROANS CANYON SPRING, COTTONWOOD SPRING, SPRING 91-72, & WILLOW SPRING 91-73. ADDED COTTONWOOD CREEK SURFACE WELLS 1, 2 & 3. ADDED PROPOSED MONITORING WELLS DEER CREEK IN-MINE LOCATIONS AND MILL FORK GRABEN	KJL	

DATE	REVISIONS	BY	CHK.
4-2-91	ADDED ARROWS FOR GROUND WATER MOVEMENT, PLEASANT VALLEY FAULT, DEER CREEK FAULT AND ROANS CANYON FAULT BOUNDARIES. ADDED STRAIGHT CANYON SYNCLINE AXIS AND REVISED U.P.&L. CO. PERMIT BOUNDARY LINE. ADDED MONITORING LOCATIONS IN RILDA CANYON. ADDED COTTONWOOD AND DEER CREEK WASTE ROCK WELLS. ADDED COTTONWOOD WASTE ROCK SITE #UTU-065027.	KJL	
9-5-89	REVISED U.P.&L. CO. PERMIT BOUNDARY LINE	KJL	
6-24-88	UPDATED FLUME AND SAMPLING LOCATIONS	JRG	
6-11-87	UPDATED FLUME AND SAMPLING LOCATIONS	CBM	
12-15-86	REVISED TO INCLUDE SEC. 31, 32, & 33 T. 16 S. R. 7 E. AND SEC. 36 T. 16 S. R. 6 E. INTO MINE PERMIT AREA	LJH	
1-30-85	ADDED MONITORING & FLUME STATIONS EM-47 RILDA RIGHT FORK, EM-31 COTTONWOOD, LEFT FORK GRIMES WASH AND DEER CREEK.	LJG	
11-2-83	ADDED MONITORING STATIONS IN COTTONWOOD CANYON AND FLUME IN MEETINGHOUSE CANYON	LJG	
10-4-83	PROPERTY BOUNDARY REVISED TO INCLUDE SPECIAL USE PERMITS	AWB	

RECEIVED JUN 20 1994 DIV. OF OIL, GAS & MINING

HM-1

MOUNTAIN PROPERTY

EMERY COUNTY, UTAH

HYDROLOGY DATA MAP WITH TYPICAL GROUND WATER MOVEMENT

PACIFICORP ELECTRIC OPERATIONS
FUEL RESOURCES DEPARTMENT
P.O. BOX 26128 SALT LAKE CITY, UTAH 84126-0128

DRAWN BY: KJL	CHECKED BY:	DATE: APRIL 2, 1991
SCALE 0 2000' 4000'	SHEET NO. 1 of 1	DRAWING NUMBER CE-10478-EM

MAP 1