LEGEND

- U.P. & L. CO. PERMIT BOUNDARY
- SURFACE OWNERSHIP PROPERTY BOUNDARY
- COAL OUTCROP
- ROADS
- DRAINAGE
- FAULTS
- UNLEASED FEDERAL COAL
- FEE COAL (UTAH POWER & LIGHT CO.)
- FEDERAL COAL LEASES WITHIN COTTONWOOD PERMIT
- STATE COAL LEASES
- PRIVATE COAL LEASES
- SURFACE RIGHTS-OF-WAY

U-68082 · STATE ML-21569 · SL-062648 · U-54762 · STATE ML-21568 · UTU-77975 · Intermountain Power Agency-50% Andalex Resources-50% · ML-48258 Subleased I.P.A.-50% Andalex Resources 50% · U-78953 · U-46484 · ML-48258 · Dick N. and Quinevere A. Nielson, etal · LEONORA W WERTHEIMER · INTERMOUNTAIN POWER AGENCY 50, ETAL · U-024316 · U-61049 · C O P COAL DEVELOPMENT COMPANY · Nancy S Holden Estl Etal · Dick N & Quinevere A Nielson · Beaver Creek Coal Company · U-024317 · U.P.&L. CO. FEE · U-06039 · SL-051221 · U-2810 · U-014275 · SL-050862 · U.S. NATIONAL FOREST BOUNDARY · U-38727 · U-020668 · U-024318 · U-024319 RELINQUISHED APRIL 24, 1992 · ZIONS FIRST NATIONAL BANK TRUSTEE · U-7653 Coal Sublease Terminated Effective 5/18/02 · U-47977 · U-47979 RELINQUISHED APRIL 24, 1992 · UTAH POWER & LIGHT COMPANY · STATE ML-22509 Relinquished 12/6/01 · U-084923 · U-084924 · U-47979 · HUNTINGTON POWER PLANT · SL-064607 064621 RELINQUISHED APRIL 24, 1992 · SULA #138 · SL-070645 U-02292 RELINQUISHED APRIL 24, 1992 · SL-064607 064621 · DEER CREEK MINE · McKINNON FEE · SL-066116 RELINQUISHED APRIL 24, 1992 · SL-066116 RELINQUISHED MAY 15, 1995 · U-02664 RELINQUISHED APRIL 24, 1992 · U-02664 · SL-070645 U-02292 · U-040151 · L.D.S. FEE Relinquished 11/18/98 · U-083066 · U-1358 · U-1358 RELINQUISHED APRIL 24, 1992 · U-1358 RELINQUISHED JUNE 12, 1995 · U-02664 RELIN. 5-24-92 · SL-064900 · COTTONWOOD MINE · U-044025 · U-1358 RELINQUISHED APRIL 24, 1992 · U-02664 · DES-BEE-DOVE MINES · SL-050135 RELINQUISHED MARCH 9, 1993 · Cottonwood/Wilberg Mine Permit Area · TRAIL MTN. MINE PacifiCorp Fee · LDS FEE · U-49332 · U-082996 · U-47978 RELINQUISHED APRIL 24, 1992 · BRIGHAM YOUNG UNIVERSITY FEE · U-02664 RELIN. 4-24-92 · FOREST SERVICE SPECIAL USE PERMIT · U-37641 SEWER ABSORPTION FIELD · S.U.L.A. 1195 · SEDIMENTATION POND · U-47978 RELINQUISHED OCTOBER 16, 1992 · WASTE ROCK STORAGE SITE U-37642 · WASTE ROCK STORAGE SITE UTU-65027 · STATE ML-22603 RELINQUISHED JANUARY 31, 1996 · UTU-64375 · U-47978 RELINQUISHED APRIL 24, 1992 · U-49332

JOES VALLEY FAULT · JOES VALLEY FAULT GRABEN · MILL FORK FAULT GRABEN · ROAN'S CANYON FAULT GRABEN · STRAIGHT CANYON SYNCLINE · COTTONWOOD CANYON SYNCLINE · IGNEOUS DIKE · MILL FORK · HUNTINGTON CREEK · MEETINGHOUSE CANYON · EMERY COUNTY ROAD · DANISH BENCH · GRIMES WASH · DEER CREEK · MAPLE GULCH · STUMP FLAT · BEAR CREEK · TRAIL CANYON · PRICE CANYON

T. 15 S. T. 16 S. · T. 16 S. T. 17 S. · T. 17 S. T. 18 S.

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 STATE OF UTAH

I, JOHN CHRISTENSEN BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

JOHN CHRISTENSEN NO. 165651 — DATE

P:\BLOCKS\signature.bmp

DATE	REVISIONS	BY	KJL
3-31-05	REVISED DEER CREEK & COTTONWOOD PERMIT BOUNDARIES TO REFLECT LEASE RELINQUISHMENT	KJL	
1-6-04	CLARIFICATION BETWEEN PRIVATE COAL LEASES & FEE COAL	KJL	
4-23-03	REVISED PERMIT BOUNDARY	KJL	
2-11-03	REVISED PERMIT BOUNDARY	KJL	
2-25-02	MODIFIED PERMIT BOUNDARY TO REMOVE RELINQUISHED AREA	KJL	
8-28-01	ADDED STATE COAL LEASE ML-48258 LEASE MODIFICATION TO U-06039	KJL	
1-26-99	REVISED DEER CREEK PERMIT BOUNDARY SEC. 20, T.16S. R.7E.	KJL	
9-28-98	REV. INCIDENTAL BOUNDARY CHANGE SEC.20 T.16S., R.7 E.	KJL	
5-14-98	CONVERTED DRAWING TO AUTOCAD, REVISED PERMIT BNDRY. AND ADDED PROPOSED INCIDENTAL BOUNDARY CHANGE SEC. 20 T.16S., R.7.E.	KJL	
7-13-95	REVISED PERMIT BOUNDARY	JRG	
5-20-95	REVISED PERMIT BOUNDARY	KJL	
12-23-93	REVISED INCIDENTAL BOUNDARY CHANGE	PKN	
4-8-93	PROPOSED INCIDENTAL BOUNDARY CHANGE	KRH	
2-17-93	INCIDENTAL BOUNDARY CHANGE SEC. 32 & 33 T.16S., R.7E.	KRH	
2-4-93	INCIDENTAL BOUNDARY CHANGE SEC. 32 & 33 T.16S., R.7E.	KJL	
10-2-90	ADDED WASTE ROCK SITE & REVISED PERMIT BOUNDARY	JRG	
2-8-90	REVISED DEER CREEK MINE PERMIT BOUNDARY	JRG	
10-23-86	REVISED TO INCLUDE SEC. 31, 32, & 33, T.16S. R.7E., & SEC. 36, T.16S. R.6E. INTO MINE PERMIT AREA	CBM	
DATE	REVISIONS	BY	KJL

1-1

CAD FILE NAME/DISK#: USERS\KJL\DC\CM-10522-DR.DWG

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

COTTONWOOD/WILBERG MINE
COAL LEASE AND OWNERSHIP MAP
COTTONWOOD/WILBERG MINE PERMIT AREA

DRAWN BY: K. LARSEN
SCALE: 1"=2000'
DRAWING #: CM-10519-WB
DATE: MARCH 31, 2005
SHEET 1 OF 1
REV.