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 DEER CREEK PERMIT
- STATE COAL LEASES
- PRIVATE COAL LEASES
- SURFACE RIGHTS-OF-WAY

Deer Creek Mine Permit Area

Deer Creek Mine Permit Area

U-68082 · STATE ML-21569 · STATE ML-21568 · U-68082 · SL-062648 · U-54762 · T. 15 S. T. 16 S.

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

JOES VALLEY FAULT · U-77936 · MILL FORK FAULT GRABEN · MILL FORK CANYON · TRAIL CANYON · BEAR CREEK

Nielson, Dick N. & Quinevere A. Nielson, etal · Dick N. & Quinevere A. Nielson · Beaver Creek Coal Company · C O P COAL DEVELOPMENT COMPANY

U-024317 · U.P.&L. CO. FEE · U-06039 · SL-051221 · U-2810 · U-014275 · SL-050862 · U-024318 · U-38727 · U-020668

U.S. NATIONAL FOREST BOUNDARY · INTERMOUNTAIN POWER AGENCY 50, ETAL · U-024319 RELINQUISHED APRIL 24, 1992 · ZIONS FIRST NATIONAL BANK TRUSTEE

U-024319 · U-47977 · U-47979 RELINQUISHED APRIL 24, 1992 · HUNTINGTON CREEK · UTAH POWER & LIGHT COMPANY

STATE ML-22509 Relinquished 12/6/01 · U-7653 Coal Sublease Terminated Effective 5/18/02 · COTTONWOOD CREEK · STATE · T. 16 S. T. 17 S.

U-084924 · U-084923 · U-47979 · MEETINGHOUSE CANYON · HUNTINGTON POWER PLANT · DEER CREEK MINE WASTE ROCK SITE · UTAH POWER & LIGHT COMPANY

SL-064607 064621 RELINQUISHED APRIL 24, 1992 · SULA #138 · SL-070645 U-02292 RELINQUISHED APRIL 24, 1992 · SL-064607 064621 · McKINNON FEE · DEER CREEK MINE · U.P.&L. CO. FEE · SL-066116 RELINQUISHED APRIL 24, 1992 · SL-066116 RELINQUISHED MAY 15, 1995

ROAN'S CANYON FAULT GRABEN · STRAIGHT CANYON SYNCLINE · COTTONWOOD CANYON · SL-070645 U-02292 RELINQUISHED APRIL 24, 1992 · U-02664 RELINQUISHED APRIL 24, 1992 · MAPLE GULCH · STUMP FLAT

U-040151 · IGNEOUS DIKE · MILL FORK GRABEN · L.D.S. FEE Relinquished 11/18/98 · U.P.&L. CO. FEE · U-083066 · U-1358 · U-1358 RELINQUISHED APRIL 24, 1992 · U-1358 RELINQUISHED JUNE 12, 1995 · U-02664 RELIN. 5-24-92 · U-02664 RELINQUISHED APRIL 24, 1992 · SL-051133 RELINQUISHED MARCH 9, 1993

SL-064900 · COTTONWOOD MINE · U-02664 · U.P.&L. CO. FEE · DES-BEE-DOVE MINES · TRAIL MTN. MINE PacifiCorp Fee · LDS FEE · U-49332 · U-082996 · U-47978 RELINQUISHED APRIL 24, 1992 · FOREST SERVICE SPECIAL USE PERMIT · BRIGHAM YOUNG UNIVERSITY FEE · U-02664 RELIN. 4-24-92 · FOREST SERVICE SPECIAL USE PERMIT · U.S. NATIONAL FOREST BOUNDARY

UTU-64375 · STATE ML-22603 RELINQUISHED JANUARY 31, 1996 · U-47978 RELINQUISHED OCTOBER 16, 1992 · S.U.L.A. 1195 · SEDIMENTATION POND · STATE · EMERY COUNTY ROAD · DANISH BEACH · DRAKES WASH

U-47978 RELINQUISHED APRIL 24, 1992 · UTU-64375 · UTU-64375 · COTTONWOOD CANYON ROAD · T. 17 S. T. 18 S.

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 3-31-05

JOHN CHRISTENSEN NO. 165651 DATE

LICENSED PROFESSIONAL ENGINEER · JOHN CHRISTENSEN · No. 165651 · STATE OF UTAH

RECEIVED
MAY 04 2005
DIV. OF OIL, GAS & MINING

1-1

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

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	

ENERGY WEST MINING COMPANY
HUNTINGTON, UTAH 84528

COAL OWNERSHIP MAP OF THE DEER CREEK MINE PERMIT AREA

DRAWN BY: K. LARSEN
SCALE: 1" = 2000'
DATE: MARCH 31, 2005
DRAWING #: CE-10522-DR
SHEET 1 OF 1
REV. ___