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.)
- STATE COAL LEASES
- PRIVATE COAL LEASES
- SURFACE RIGHTS-OF-WAY

U-68082
STATE ML-21569
U-54762
SL-062648
T. 15 S.
T. 16 S.
STATE ML-21568
Intermountain Power Agency-50% Andalex Resources-50%
ML-48258 Subleased I.P.A.-50% Andalex Resources 50%
U-78953
U-46484
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
Beaver Creek Coal Company
Nancy S Madden Estl. Etal
Dick N & Quinevere A Nielson
Dick N & Quinevere A Nielson
U-024317
U.P.&L. CO. FEE
U.S. NATIONAL FOREST BOUNDARY
U-06039
SL-051221
U-2810
SL-050862
U-014275
U-024318
U-38727
U-020668
U-024319 RELINQUISHED APRIL 24, 1992
ZIONS FIRST NATIONAL BANK TRUSTEE
U-7653 Coal Sublease Terminated Effective 3/18/02
U-47977
U-47979 RELINQUISHED APRIL 24, 1992
UTAH POWER & LIGHT COMPANY
STATE ML-22509 Relinquished 12/6/01
U-084923
U-084924
HUNTINGTON POWER PLANT
SUIA #1385
SL-064607 064621 RELINQUISHED APRIL 24, 1992
SL-070645 U-02292 RELINQUISHED APRIL 24, 1992
McKINNON FEE
DEER CREEK MINE
SL-066116 RELINQUISHED APRIL 24, 1992
SL-066116 RELINQUISHED MAY 15, 1995
U-084923 RELINQUISHED APRIL 30, 1997
SL-070645 U-02292 RELINQUISHED APRIL 30, 1997
U-02664 RELINQUISHED APRIL 24, 1992
DESERET MINE BREAKOUT 20'x20' Area
BEEHIVE MINE BREAKOUT 20'x20' Area
U-083066 RELINQUISHED APRIL 30, 1997
U-040151 RELINQUISHED APRIL 30, 1997
L.D.S. FEE Relinquished 11/18/98
U-1358 RELINQUISHED APRIL 24, 1992
U-1358 RELINQUISHED JUNE 12, 1995
U-1358 RELINQUISHED APRIL 30, 1997
U-02664 RELIN. 4-24-92
SL-064900
COTTONWOOD MINE
SL-050133 RELINQUISHED APRIL 22, 1992
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
DES-BEE-DOVE MINES
Forest Service Special Use Permit
U-47978 RELINQUISHED OCTOBER 16, 1992
U-47978 RELINQUISHED APRIL 24, 1992
STATE ML-22503 RELINQUISHED JANUARY 31, 1996
UTU-64375
S.U.L.A. 1195
SEDIMENTATION POND
Des-Bee-Dove Mines Permit Boundary
JOES VALLEY FAULT
ROAN'S CANYON FAULT GRABEN
STRAIGHT CANYON SYNCLINE
MILL FORK GRABEN
IGNEOUS DIKE
COTTONWOOD CANYON
EMERY COUNTY ROAD
DAWSON BENCH
SPRUCE WASH
MAPLE GULCH
STUMP FLAT
DEER CREEK
HUNTINGTON CREEK
BEAR CREEK
TRAIL CANYON
MEETINGHOUSE CANYON
MILL FORK CANYON
U.S. 6 & 50
U.S. 31
SR 57

DATE	REVISIONS	BY	KJL
4-12-07	DES-BEE-DOVE PHASE 3 BOND RELEASE, SECTION 25 T.17S., R.7E., REDUCTION OF 20 ACRES	KJL	
4-10-07	REVISED DEER CREEK PERMIT BNDRY. TO INCLUDE FEDERAL LEASE UTU-84285 AND RIGHT-OF-WAY UTU-52401	KJL	
6-16-06	REVISED DEER CREEK & COTTONWOOD PERMIT BOUNDARIES TO REFLECT PHASE 3 RELINQUISHMENT	KJL	
5-16-06	REVISED JOES VALLEY FAULT	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

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTENSEN
7/12/07
NO. 166651
STATE OF UTAH

RECEIVED
JUL 19 2007
DIV. OF OIL, GAS & MINING

1-1

CAD FILE NAME/DISK#: CM-10522-DR.DWG

ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

COAL OWNERSHIP MAP OF THE DES-BEE-DOVE MINE PERMIT AREA

DRAWN BY: K. LARSEN
SCALE: 1" =2000'
DATE: MARCH 31, 2005
DRAWING #: CE-10536-DS
SHEET 1 OF 1
REV.