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

U-68082 · STATE ML-21569 · STATE ML-21568 · U-54762 · SL-062648 · U-78953 · U-46484 · U-024316 · U-61049 · U-024317 · U-06039 · SL-051221 · U-2810 · U-014275 · SL-050862 · U-024319 · U-47977 · U-7653 Coal Sublease Terminated Effective 5/18/02 · STATE ML-22509 Relinquished 12/6/01 · U-084924 · U-084923 · U-47979 · U-083066 · U-040151 · U-1358 · U-47978 · U-49332 · U-082996 · UTU-64375 · STATE ML-20503 RELINQUISHED JANUARY 31, 1996 · ML-48258 · UTU-77975 · UTU-81285 · UTU-81286 · Intermountain Power Agency-50% Andalex Resources-50% · ML-48258 Subleased I.P.A.-50% Andalex Resources 50% · Dick N. and Quinevere A. Nielson, etal · LEONORA W WERTHEIMER · Nancy S Madsen Etal · Dick N & Quinevere A Nielson · Beaver Creek Coal Company · Dick N & Quinevere A Nielson · INTERMOUNTAIN POWER AGENCY 50, ETAL · C O P COAL DEVELOPMENT COMPANY · U.P.&L. CO. FEE · U.S. NATIONAL FOREST BOUNDARY · ZIONS FIRST NATIONAL BANK TRUSTEE · UTAH POWER & LIGHT COMPANY · HUNTINGTON POWER PLANT · DEER CREEK MINE WASTE ROCK SITE · SL-064607 064621 RELINQUISHED APRIL 24, 1992 · SUA #1388 · SL-070645 U-02292 · SL-070645 U-02292 RELINQUISHED APRIL 24, 1992 · SL-070645 U-02292 RELINQUISHED APRIL 30, 1997 · U-084923 RELINQUISHED APRIL 30, 1997 · U-083066 RELINQUISHED APRIL 30, 1997 · U-040151 RELINQUISHED APRIL 30, 1997 · U-1358 RELINQUISHED APRIL 30, 1997 · U-1358 RELINQUISHED APRIL 24, 1992 · U-1358 RELINQUISHED JUNE 12, 1995 · U-02664 RELINQUISHED APRIL 24, 1992 · U-02664 RELN. 4-24-92 · SL-066116 RELINQUISHED APRIL 24, 1992 · SL-066116 RELINQUISHED MAY 15, 1995 · SL-050133 RELINQUISHED APRIL 22, 1992 · U-024318 · U-020668 · U-38727 · U-024319 RELINQUISHED APRIL 24, 1992 · U-47939 RELINQUISHED APRIL 24, 1992 · SL-064900 · U-040296 · L.D.S. FEE Relinquished 11/18/98 · McKINNON FEE · DEER CREEK MINE · COTTONWOOD MINE · TRAIL MTN MINE PacifiCorp Fee · LDS FEE · DES-BEE-DOVE MINES · FOREST SERVICE SPECIAL USE PERMIT · BRIGHAM YOUNG UNIVERSITY FEE · Forest Service Special Use Permit · S.M.L.A. 1195 · SEDIMENTATION POND

Faults: JOES VALLEY FAULT · MILL FORK FAULT GRABEN · KOAL'S CANYON FAULT GRABEN · STRAIGHT CANYON SYNCLINE · COTTONWOOD CANYON SYNCLINE · IGNEOUS DIKE

Roads: EMERY COUNTY ROAD

Drainages: MILL FORK · HUNTINGTON CREEK · BEAR CREEK · TRAIL CANYON · COTTONWOOD CREEK · HUNTINGTON CANYON · MAPLE GULCH · STUMP FLAT · DANISH BENCH · GRAVES WASH

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

RECEIVED
AUG 1 0 2007
DIV. OF OIL, GAS & MINING

1-1

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

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

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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	

ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

COAL OWNERSHIP MAP OF THE DEER CREEK MINE PERMIT AREA

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