ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP
DEER CREEK MINE – MILL FORK AREA
STATE LEASE ML-48258/UTU-84285
HYDROLOGIC MONITORING MAP
DRAWN BY: K. LARSEN
DRAWING #: MFS1851D
SCALE: 1"=1000'
DATE: APRIL 6, 2010
SHEET 1 OF 1
REV. 11
LEGEND
COAL LEASE BOUNDARY
DEER CREEK MINE PERMIT BOUNDARY
FAULT (DASHED WHERE INFERRED)
BLIND CANYON SEAM MINING PROJECTIONS
HIAWATHA SEAM MINING PROJECTIONS
BLIND CANYON SEAM MINE WORKINGS (EXISTING)
HIAWATHA SEAM MINE WORKINGS (EXISTING)
248 FOREST SERVICE ROAD OR TRAIL ROUTE I.D. NUMBER
OUTCROP
EM-169 DRILL HOLE
AFFECTED AREA BOUNDARY BASED ON 15 DEGREE ANGLE-OF-DRAW FROM THE LOWEST COAL SEAM TO BE MINED (FULL EXTRACTION)
SPRING LEGEND
MFB02 SURFACE WATER MONITORING LOCATION
SPRING LOCATION (1994-1995 SURVEY)
GPS LOCATED 2000
GPS LOCATED 2001
GPS LOCATED 2002
SPRING LOCATION (1992 SURVEY)
SPRING MONITORING LOCATION (ENERGY WEST)
93-2139 GROUND WATER RIGHTS
93-198 SURFACE WATER RIGHTS
SPRING LOCATION (1991 SURVEY)
SPRING LOCATION (1989-1990 SURVEY)
SPRING LOCATION (1987 SURVEY)
SPRING LOCATION (1985 SURVEY)
MONITORING LOCATIONS (GENWAL RESOURCES)
RECEIVED
APR 13 2010
DIV. OF OIL, GAS & MINING
STATE OF UTAH
Geologic Formation Legend
Qal Alluvial Deposits (Stream bed deposits, Alluvial fans, etc.)
Tf Flagstaff Limestone
TKn North Horn Formation
Kpr Upper Price River Formation
Kc Castlegate Sandstone
Kbh Blackhawk Formation
Ksp Star Point Sandstone
Kmm Mancos Shale (Masuk Member)
CRANDALL CREEK SUB-DRAINAGE
INDIAN CREEK SUB-DRAINAGE
HUNTINGTON DRAINAGE
MILL FORK SUB-DRAINAGE
COTTONWOOD DRAINAGE
RILDA CANYON SUB-DRAINAGE
DRAINAGE DIVIDE
NATIONAL FOREST
MANTI LA SAL
STATE ML-48258
STATE ML-21568
UTU-84285
UTU-77975
UTU-78953
U-68082
U-54762
SL-062648
U-06039
U-02437
FEE I.P.A. Andalex Resources
ML-48258 Subleased I.P.A. -50% Andalex Resources 50%
GENWAL MINE
SKEEN MINE
HELCO MINE
BEAVER CREEK MINE
LEASE MODIFICATION #2 U-06039 50 AC.
LEASE MODIFICATION #3 U-06039 65.7 AC.
U.P.&L. CO. FEE
No Second Mining Buffer Zone
JOES VALLEY FAULT
FLAT CANYON ANTICLINE
CRANDALL CANYON SYNCLINE
MILL FORK FAULT GRABEN
Bald Ridge
Indian Creek
Mill Fork
Crandall Canyon
Little Bear Canyon
Rilda Canyon