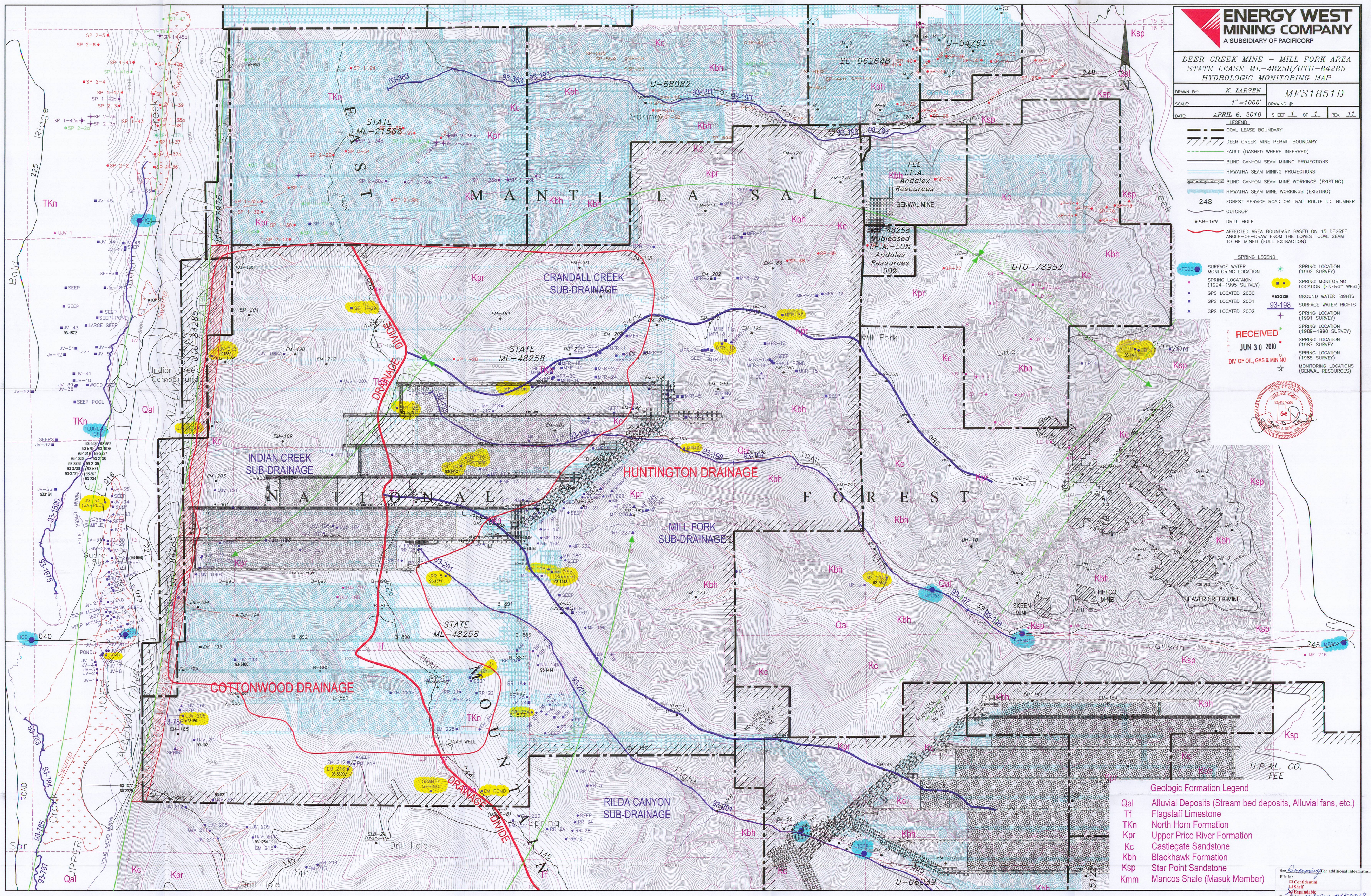
ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP
DEER CREEK MINE – MILL FORK AREA
STATE LEASE ML-48258/UTU-84285
HYDROLOGIC MONITORING MAP
DRAWN BY: K. LARSEN
SCALE: 1"=1000'
DATE: APRIL 6, 2010
DRAWING #: MFS1851D
SHEET 1 OF 1
REV. 11
LEGEND
COAL LEASE BOUNDARY
DEER CREEK MINE PERMIT BOUNDARY
FAULT (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
SURFACE WATER MONITORING LOCATION
SPRING LOCATAION (1994-1995 SURVEY)
GPS LOCATED 2000
GPS LOCATED 2001
GPS LOCATED 2002
SPRING LOCATION (1992 SURVEY)
SPRING MONITORING LOCATION (ENERGY WEST)
GROUND WATER RIGHTS
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
JUN 30 2010
DIV. OF OIL, GAS & MINING
STATE OF UTAH
CERTIFICATE NUMBER
5234167-2200
GEOLOGIC SEAL
MANTI-LA SAL NATIONAL FOREST
STATE ML-21568
STATE ML-48258
STATE ML-48258 Subleased I.P.A.-50% Andalex Resources 50%
FEE I.P.A. Andalex Resources
GENWAL MINE
U-68082
SL-062648
U-54762
UTU-78953
U-02417
U-06039
UTU-77975
UTU-84285
CRANDALL CREEK SUB-DRAINAGE
INDIAN CREEK SUB-DRAINAGE
HUNTINGTON DRAINAGE
MILL FORK SUB-DRAINAGE
COTTONWOOD DRAINAGE
RILDA CANYON SUB-DRAINAGE
DIVIDE DRAINAGE
DRAINAGE DIVIDE
Indian Creek Campground
Mill Fork
Little Canyon
Bear Canyon
Upper Joes Valley
Joes Valley Swamp
Bald Ridge
Cedar Swamp
HELCO MINE
SKEEN MINE
BEAVER CREEK MINE
U.P.&L. CO. FEE
Drill Hole
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)
See Surveying for additional information
File in:
Confidential
Shelf
Expandable
Date Folder 06/30/2010 0150018