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	MFS1851D	
SCALE:	1"=1000'	DRAWING #:	
DATE:	MARCH 22, 2011	SHEET 1 OF 1	REV. 12

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
- MFBO2 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)
- 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)

STATE OF UTAH LICENSE NUMBER 5234167-2200 ENGINEERING AND LAND SURVEYING PROFESSIONAL ENGINEER

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)