Legend

Age	Symbol	Formation Name
Quaternary	Qal	Alluvial Deposits (Stream bed deposits, Alluvial fans, etc.)
Tertiary	Tf	Flagstaff Limestone
Tertiary/Cretaceous	TKn	North Horn Formation
Cretaceous	Kpr	Upper Price River Formation
Cretaceous	Kc	Castlegate Sandstone
Cretaceous	Kbh	Blackhawk Formation
Cretaceous	Ksp	Star Point Sandstone
Cretaceous	Kmm	Mancos Shale (Masuk Member)

Castlegate Sandstone Escarpment Features:
(Mill Fork Lease Area Only)

- Kc — Castlegate Sandstone Outcrop Area
- Steep and Rocky Slopes
- Cliffs and Points

Note:
Refer to Drawing MFU1829D for Geologic Cross Sections

STRUCTURES:

- Anticline
- Syncline

Scale: 0 2000' 4000'

REGISTERED PROFESSIONAL ENGINEER
No. 160554-2202
DOUGLAS E. JOHNSON
STATE OF UTAH

I, DOUGLAS E. JOHNSON BEING A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF UTAH, DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Douglas E Johnson 5-1-06

DOUGLAS E. JOHNSON NO. 160554-2202 DATE

STATE OF UTAH
REFERENCE NUMBER
5227352-2250
Kenneth S. Fleck 5/1/06
KENNETH S. FLECK
LICENSED PROFESSIONAL GEOLOGIST

I, KENNETH S. FLECK LICENSED PROFESSIONAL GEOLOGIST DO HEREBY CERTIFY THAT THE INFORMATION CONTAINED ON THIS DRAWING IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

LEGEND

- COAL LEASE BOUNDARY
- DEER CREEK MINE PERMIT BOUNDARY
- FAULT (DASHED WHERE INFERRED)
- OUTCROP – BLIND CANYON
- OUTCROP – HIAWATHA
- EM-169 DRILL HOLE
- LAND SLIDES

CAD FILE NAME/DISK#: MFU1823D.DWG

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

DEER CREEK MINE – MILL FORK AREA
STATE LEASE ML-48258/UTU-84285
GEOLOGIC FORMATIONS

DRAWN BY: K. FLECK, K. LARSEN
SCALE: 1"=1500'
DATE: NOVEMBER 4, 2002
DRAWING #: MFU1823D
SHEET 1 OF 1
REV. 5