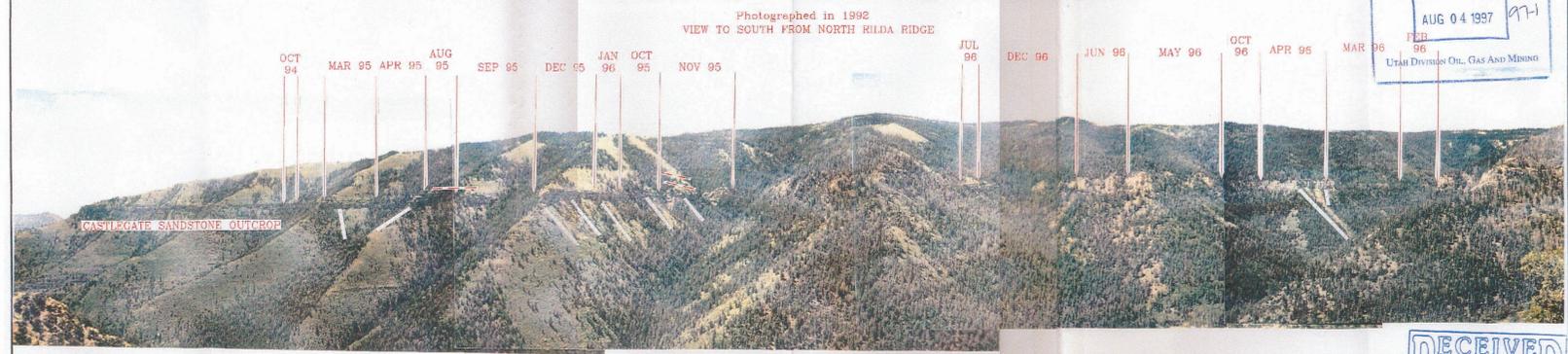




GAS FILE 046/056/ PHOTOGRAPH
ENERGY WEST
 MINING COMPANY
 HARTMUTH, UTAH 84302
 CASTLEGATE SANDSTONE OUTCROP
 SOUTH SIDE OF RILDA CANYON
 BEFORE AND AFTER LONGWALL MINING
 DRAWN BY: KEN FLECK
 SCALE: NONE
 DATE: JUNE 17, 1997 SHEET 1 OF 1 REV.

LEGEND
 Mining and Subsidence - Related Features
 Rock Rolls
 Surface Tension Cracks

INCORPORATED
 EFFECTIVE
 AUG 04 1997
 UTAH DIVISION OF OIL, GAS AND MINING



Photographed in 1992
 VIEW TO SOUTH FROM NORTH RILDA RIDGE

CASTLEGATE SANDSTONE OUTCROP

Photographed in 1997
 VIEW TO SOUTH FROM NORTH RILDA RIDGE

Note: Longwall mining under this Castlegate Sandstone outcrop began in October, 1994 and ended in December, 1996. Individual mining months under each portion of the Castlegate Sandstone outcrop are shown.

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Photographed in 1992
 VIEW TO SOUTH FROM NORTH RILDA RIDGE

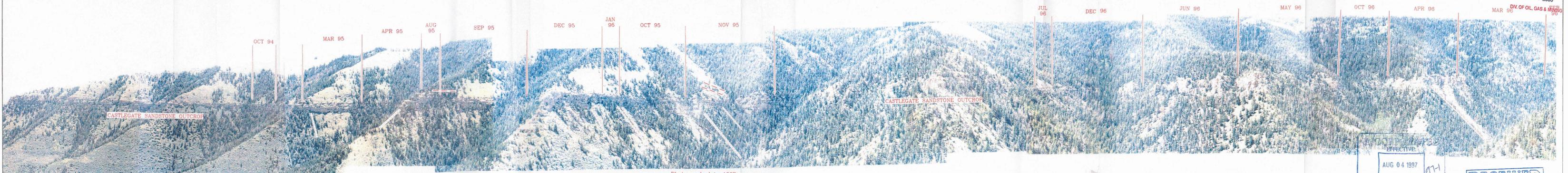
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 BEFORE AND AFTER LONGWALL MINING
 DRAWN BY: KEN FLECK
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LEGEND
 Mining and Subsidence - Related Features:
 Rock Rolls
 Surface Tension Cracks

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Photographed in 1997
 VIEW TO SOUTH FROM NORTH RILDA RIDGE

Note: Longwall mining under this Castlegate Sandstone outcrop began in October, 1994 and ended in December, 1996. Individual mining months under each portion of the Castlegate Sandstone outcrop are shown.

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