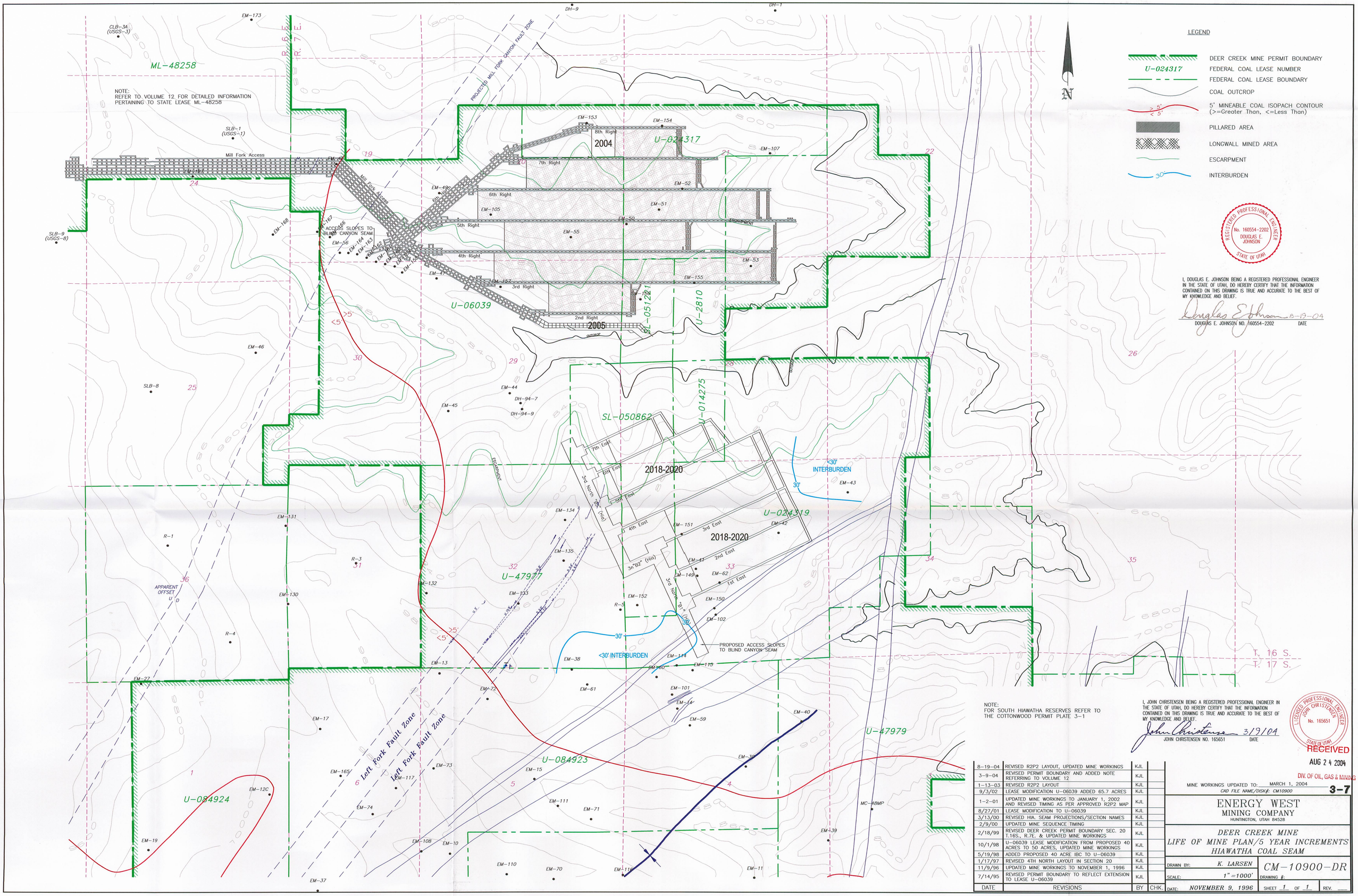


LEGEND

- DEER CREEK MINE PERMIT BOUNDARY
- U-024317 FEDERAL COAL LEASE NUMBER
- FEDERAL COAL LEASE BOUNDARY
- COAL OUTCROP
- 5' MINEABLE COAL ISOPACH CONTOUR (>=Greater Than, <=Less Than)
- PILLARED AREA
- LONGWALL MINED AREA
- ESCARPMENT
- INTERBURDEN

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 8-19-04
DOUGLAS E. JOHNSON NO. 160554-2202 DATE

NOTE:
FOR SOUTH HIAWATHA RESERVES REFER TO THE COTTONWOOD PERMIT PLATE 3-1

I, JOHN CHRISTENSEN 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.

John Christensen 3/9/04
JOHN CHRISTENSEN NO. 165651 DATE

LICENSED PROFESSIONAL ENGINEER JOHN CHRISTENSEN No. 165651 STATE OF UTAH

RECEIVED
AUG 2 4 2004
DIV. OF OIL, GAS & MINING

| DATE | REVISIONS | BY | CHK. |
|---|---|---|---|
| 8-19-04 | REVISED R2P2 LAYOUT, UPDATED MINE WORKINGS | KJL | |
| 3-9-04 | REVISED PERMIT BOUNDARY AND ADDED NOTE REFERRING TO VOLUME 12 | KJL | |
| 1-13-03 | REVISED R2P2 LAYOUT | KJL | |
| 9/3/02 | LEASE MODIFICATION U-06039 ADDED 65.7 ACRES | KJL | |
| 1-2-01 | UPDATED MINE WORKINGS TO JANUARY 1, 2002 AND REVISED TIMING AS PER APPROVED R2P2 MAP | KJL | |
| 8/27/01 | LEASE MODIFICATION TO U-06039 | KJL | |
| 3/13/00 | REVISED HIA. SEAM PROJECTIONS/SECTION NAMES | KJL | |
| 2/9/00 | UPDATED MINE SEQUENCE TIMING | KJL | |
| 2/18/99 | REVISED DEER CREEK PERMIT BOUNDARY SEC. 20 T.16S., R.7E. & UPDATED MINE WORKINGS | KJL | |
| 10/1/98 | U-06039 LEASE MODIFICATION FROM PROPOSED 40 ACRES TO 50 ACRES, UPDATED MINE WORKINGS | KJL | |
| 5/19/98 | ADDED PROPOSED 40 ACRE IBC TO U-06039 | KJL | |
| 1/17/97 | REVISED 4TH NORTH LAYOUT IN SECTION 20 | KJL | |
| 11/9/96 | UPDATED MINE WORKINGS TO NOVEMBER 1, 1996 | KJL | |
| 7/14/95 | REVISED PERMIT BOUNDARY TO REFLECT EXTENSION TO LEASE U-06039 | KJL | |

MINE WORKINGS UPDATED TO: MARCH 1, 2004
CAD FILE NAME/DISK#: CM10900

3-7

ENERGY WEST
MINING COMPANY
HUNTINGTON, UTAH 84528

DEER CREEK MINE
LIFE OF MINE PLAN/5 YEAR INCREMENTS
HIAWATHA COAL SEAM

DRAWN BY: K. LARSEN
SCALE: 1" =1000'
DATE: NOVEMBER 9, 1996
DRAWING #: CM-10900-DR
SHEET 1 OF 1 REV. ___