STATE LEASE
ML-42648
TOTAL TONS:
1,277,566

FEE FISH CREEK
TOTAL TONS:
570,237

FEDERAL LEASE
U-07064-027821
TOTAL TONS:
232,125

TOTAL TONS
MINED FOR THE
YEAR 2002:
2,079,928

ML-42649

FEE – FISH CREEK

FEE – FISH CREEK ML-42649

SPLAY THICKNESS

Spray Exploration Drill Holes

RC-4A

RC-4B

RC-3

RC-2

RC-1

2002 PRODUCTION

2002 PRODUCTION

2002 PRODUCTION

4th WEST

3rd WEST

2nd WEST

1st WEST

LONGWALL RECOVERY

NORTH MAINS

EAST MAINS

WEST MAINS

NOVEMBER 2001

DECEMBER 2001

APRIL 2001

MAY 2001

JUNE 2001

JULY 2001

AUGUST 2001

SEPTEMBER 2001

OCTOBER 2001

FEE – FISH CREEK

ML-42648

FEE – DUGOUT CANYON

U-07064-027821

ML-42648

ML-42648

ML-42648

FISH CREEK

5/8" STEEL PIN

BM-1

BM-2

BM-3

RECEIVED
MAR 2 7 2003
DIV. OF OIL, GAS & MINING

REGISTERED PROFESSIONAL ENGINEER
No. 151610
DAVID G. SPILLMAN
3/17/03
STATE OF UTAH

NOTES

1. PRELIMINARY CONTROL POINTS:
BM-1 NAD83 COORDINATES: NORTHING 7,187,
BM-2 NAD83 COORDINATES: NORTHING 7,187,
BM-3 NAD83 COORDINATES: NORTHING 7,187,
ALL BASE MERIDIAN BEARINGS ARE BASED ON THE UTAH COORDINATE SYSTEM.
2. THERE ARE NO KNOWN BURIED OIL OR GAS WELLS LOCATED ON PROPERTY.
3. DUGOUT MINE ROCK CANYON SEAM IS LOCATED APPROXIMATELY 80' WEST OF THE FISH CREEK AND DUGOUT CANYON FAULT.
4. THERE ARE SEVERAL LAKE PLACEMENTS OF ROCK PRODUCT MADE IN THE ROCK CANYON SEAM. THE LAKE PLACEMENTS ARE LOCATED IN THE NORTHWEST PORTION OF THE MINE PLANT SITE. ADDITIONAL LAKE PLACEMENTS ARE PLANNED.
5. THE ROCK CANYON PRODUCTION SPLAY IS PLACED THE PERCENTAGE OF THE ROCK CANYON SEAM PRODUCTION SPLAY IS PLACED IN THE FISH CREEK DRAINAGE.
6. THE ROCK CANYON SEAM PRODUCTION SPLAY IS PLACED IN THE FISH CREEK DRAINAGE.
DATE: 02/06/03 SCALE: 1" = 500'
DRAWN BY: R. RICHEY
FILE NAME: C:\Autocad\Dugout\rock\rock 02 prod. map.dwg
DRAWING NO.: 2002 RC prod.

DUGOUT PROJECT
ROCK CANYON SEAM

ROCK CANYON SEAM

LEGEND:
SANDSTONE
SILTSTONE
SHALE
COAL
CELSON SEAM

GENERALIZED CENTRAL BLACK HAWK FORMATION

VENTILATION MEASUREMENT POINTS

PLACES VISITED:
#1 PORTAL BLOCK 1 STOPP (1 CROSS CUT, 1 ROW) measured on: 1 FOR the center edge
#2 PORTAL BLOCK 2 STOPP (1 CROSS CUT, 1 ROW) measured on: 1 FOR the center edge
#3 PORTAL BLOCK 3 STOPP (1 CROSS CUT, 1 ROW) measured on: 1 FOR the center edge
#4 PORTAL BLOCK 4 STOPP (1 CROSS CUT, 1 ROW) measured on: 1 FOR the center edge
#5 PORTAL BLOCK 5 STOPP (1 CROSS CUT, 1 ROW) measured on: 1 FOR the center edge

PREPLANNED PERMED-OUT AREAS:

BARRIER SYSTEM:

MINE PROGRESS MAP
DUGOUT CANYON MINE
P.O. BOX 1029
WELLINGTON, UT. 84542
M.S.H.A. I.D. No. 42-01890
SCALE: 1" = 500' (1" = 1000' IN ALLIGATOR)
SCALE: 1" = 500' (1" = 1000' IN ALLIGATOR)
SCALE MAP PRINT AS ACCORDING
0' 150' 300' 600'

LEGEND

Canyon Fuel Company, LLC
Dugout Canyon Mine

TITLE: Rock Canyon Seam
2002 Production Map