LEGEND

	Mined Out Areas
2003	Production Area
2004	Production Area
2005	Production Area
2006	Production Area
2007	Production Area
2008	Production Area
2009	Production Area
2010	Production Area
2011	Production Area
2012	Production Area
2013	Production Area
2014	Production Area
Lease Boundary	
Permit Area	
Projected Subsidence	
Current Subsidence Point	
Proposed Subsidence Point	
Seam Iso-Pac	5'
Depth of Cover	1000
Surface Drill Hole	DH-4
Underground Drill Hole	DH-1

NOTE:
1. LONGWALL PANEL GEOMETRY MAY BE INFLUENCED BY GEOLOGIC ANOMALIES WHICH MAY INCLUDE, BUT ARE NOT LIMITED TO COAL THICKNESS, COAL QUALITY, AND MINING CONDITIONS.
2. NO SECOND MINING UNDER LITTLE BEAR DRAINAGE CHANNEL AS PER LEASE STIPULATION.

R. 6 E.
R. 7 E.
T. 15 S.
T. 16 S.

SURFACE OWNER: U.S. FOREST SERVICE
UNLEASED COAL: FEDERAL

FEDERAL LEASE UTU-68082

JOE'S VALLEY FAULT
SYMPATHETIC FAULT

PANEL 7
PANEL 8
PANEL 9
PANEL 10
PANEL 11
PANEL 12
PANEL 13
PANEL 14
PANEL 15
PANEL 16
PANEL 17
PANEL 18
PANEL 1
PANEL 2
PANEL 3
PANEL 4
PANEL 5
PANEL 6
PANEL 19

STATE LEASE ML-21568
(ALL OF SECTION 2)

CLAY DIKE

DH-5
DH-3
DH-2
DH-6
DH-7

MW-6 DRILLED DOWN FOR WATER MONITORING
MW-5 DRILLED DOWN FOR WATER MONITORING
MW-4 DRILLED DOWN FOR WATER MONITORING, DRILLED UP & CORED
UM-2 DRILLED UP AND CORED
UM-1 DRILLED UP AND CORED
MW-4 DRILLED DOWN FOR WATER MONITORING, DRILLED UP & CORED
MW-4 DRILLED DOWN FOR WATER MONITORING

FEDERAL LEASE U-54762
FEDERAL LEASE
SL-062648
FEDERAL LEASE UTU-78953

BC: 4.8'
HIA: 5.2'
INTER: 102'

BC: 4.5'
HIA: 6.9'
INTER: 86'

BC: 4.9'
HIA: 5.0'
INTER: 100.9'

POTENTIAL RESERVE
RESERVE RECOVERY WILL DEPEND UPON COAL THICKNESS, QUALITY, & ECONOMICS

TRESPASS AREA SUMMARY

1. This area of the Panel 6 Headgate was mined during November 1997 and December 1997 and the Panel 6 Tailgate was mined in October 1997. The Panel 5 area was mined out and sealed in June 1997.

2. In mid-1998 Genwal Resources Inc. retained the services of a Registered Land Surveyor to investigate BLM concerns that the mining may have encroached into the Little Bear Drainage (expressly located on the approved October 1994 EA).

3. On September 22, 1998 the Registered Land Surveyor completed a survey which showed that the mining in Panel 6 Section 2 had been inadvertently located and unwittingly trespassed property line as shown, which resulted in an innocent trespass situation.

4. A trespass assessment was settled with the BLM on December 14, 1999. The Department of Oil, Gas, and Mining issued a Cessation Order (CO-99-5) on December 14, 1999, in which Genwal Resources Inc. voluntarily complied.

TRESPASS AREA

ROCK TUNNELS
TO BLIND CANYON SEAM
2/1/04 THRU 7/1/04
(3 @ 675 FT. 15% GRADE)

DRILL HOLE
TO BLIND
CANYON
SEAM

ROCK
ROOMS

SURFACE FACILITIES

GENWAL FEE
TRACT

SOUTH CRANDAL CANYON MINE
(HIAWATHA SEAM PROJECTED WORKINGS)

HIAWATHA SEAM
PROJECTIONS

CRANDAL CANYON #1 MINE
(HIAWATHA SEAM WORKINGS)

PROJECTED DIKES

OUTCROP

HC-3
BC: 8.8'
HIA: 4.2'
INTER: 74.2'

HC-2

USGS-10

DH 2-76A BC: 4.0'
HIA: 5.3'
INTER: 94'

HCD-1 BC: 3.2'
HIA: 4.0'
INTER: 114'

DH 5 BC: 2.0'
HIA: 6.5'
INTER: 115'

HCD-2 BC: 6.2'
HIA: 6.75'
INTER: 92'

BC:
HIA:
INTER:
DH2

FAULT?
FAULT
FAULT

SURFACE OWNER: NIELSON
MINERAL RIGHTS OWNER: NIELSON

LITTLE BEAR DRAINAGE CHANNEL
LITTLE BEAR SPRING

CRANDAL CANYON CREEK
HUNTINGTON RIVER
HIGHWAY 31

I hereby certify that the design and/or map contained herein was prepared by me or under my supervision and is true and correct to the best of my knowledge.

RECEIVED
JAN 30 2004
DIV. OF OIL, GAS & MINING

GENWAL RESOURCES, INC.

P.O. Box 1077 794 North "C" Canyon Road, Price, Utah
Telephone (435) 888-4000

CRANDALL CANYON #1 MINE AND SOUTH CRANDALL MINE MINE PLAN

REV: 3	ACAD REF: R2P2 SOCRAN2
DATE: 02/02/04	BY: JDS
SCALE: 1"=600'	PLATE #: 5-2 (H)