R5E R6E

E.1,700,000 E.1,710,000 E.1,720,000

FEDERAL LEASE IBC

FED LEASE U-5487

FED LEASE U-80917

FED LEASE UTU-80916

ZERO NORTH

N.6,760,000

MDS-4 MDS-7 MDS-8 MDS-9 MDS-3 MDS-2 MDS-10 GW-4 GW-5 GW-1 GW-2 GW-3 RM-2 AF-1 R-MDS R-RM RM-4 RM-3 R-GW RM-5 RS-3 RS-2 RS-1 RS-4 AF-4 AF-2 AF-3

4th WEST 5th WEST 1st EAST

1st SOUTH

MM-1 MM-2 MM-3 MM-4

T 22 S
T 23 S
N.6,750,000

SEVIER COUNTY
EMERY COUNTY

LEGEND

- PERMIT AREA BOUNDARY (SOME VEGETATION REMOVED)
- ADJACENT AREA FOR NON-WATER RESOURCES. FOR THE AREA OF HYDROLOGIC EVALUATION, SEE PLATE VI-4
- ADJACENT AREA BOUNDARY ADDITION
- TO BE FULLY EXTRACTED
- TO BE FULLY EXTRACTED SEE CHAPTER VIII APPENDIX VIII-3, FIGURE 1 FOR VEGETATION IN THIS AREA
- TO BE FULLY EXTRACTED SEE CHAPTER VIII APPENDIX VIII-3, FIGURE 2 FOR VEGETATION IN THIS AREA
- FOR ADDITIONAL VEGETATION DETAIL SEE CHAPTER XII

- PASTURE LAND/HAYLAND (143 ACRES)
- PASTURE LAND/DRY (34 ACRES)
- PASTURE LAND/IRRIGATED (155 ACRES)
- RIPARIAN MEADOW
- RIPARIAN SHRUBLAND
- GREASEWOOD SHRUBLAND
- MIXED DESERT SHRUBLAND
- MATSCALE SHRUBLAND
- PINYON-JUNIPER WOODLAND
- COTTONWOOD WOODLAND
- ANNUAL FORBES
- SALT GRASS
- CATTAIL/SALTGRASS
- SHADSCALE
- OTHER SURFACE DISTURBANCE
- ROCK OUTCROP/TALUS
- SHADSCALE/WINTERFAT
- MAT SALTBRUSH
- WIREGRASS/SALTGRASS
- RUSSIAN OLIVE
- SAGEBRUSH
- TAMARISK
- LIFE OF MINE AREA TO BE FULLY EXTRACTED
- ZZ NORTH WEDGE FULL EXTRACTION

NOTE:
ALL ACRES IN ( ) ARE RENEWABLE RESOURCE LANDS.

REFERENCE SITE / SAMPLE SITE

MAP SYMBOL	COMMUNITIES
R-RM	RIPARIAN MEADOW
RM-1	RIPARIAN MEADOW
RM-2	RIPARIAN MEADOW
RM-3	RIPARIAN MEADOW
RM-4	RIPARIAN MEADOW
RM-5	RIPARIAN MEADOW
RS-1	RIPARIAN SHRUBLAND
RS-2	RIPARIAN SHRUBLAND
RS-3	RIPARIAN SHRUBLAND
RS-4	RIPARIAN SHRUBLAND
R-GW	GREASEWOOD SHRUBLAND
GW-1	GREASEWOOD SHRUBLAND
GW-2	GREASEWOOD SHRUBLAND
GW-3	GREASEWOOD SHRUBLAND
GW-4	GREASEWOOD SHRUBLAND
GW-5	GREASEWOOD SHRUBLAND

MAP SYMBOL	COMMUNITIES
R-MDS	MIXED DESERT SHRUBLAND
MDS-1	MIXED DESERT SHRUBLAND
MDS-2	MIXED DESERT SHRUBLAND
MDS-3	MIXED DESERT SHRUBLAND
MDS-4	MIXED DESERT SHRUBLAND
MDS-5	MIXED DESERT SHRUBLAND
MDS-6	MIXED DESERT SHRUBLAND
MDS-7	MIXED DESERT SHRUBLAND
MDS-8	MIXED DESERT SHRUBLAND
MDS-9	MIXED DESERT SHRUBLAND
MDS-10	MIXED DESERT SHRUBLAND
MM-1	MATSCALE SHRUBLAND
MM-2	MATSCALE SHRUBLAND
MM-3	MATSCALE SHRUBLAND
MM-4	MATSCALE SHRUBLAND
AF-1	ANNUAL FORBS
AF-2	ANNUAL FORBS
AF-3	ANNUAL FORBS
AF-4	ANNUAL FORBS

SURFACE OPERATIONS AREA

VEGETATION COMMUNITIES		ACRES
PRIME FARMLAND CROPLAND		NONE
PASTURE LAND / HAYLAND		NONE
RIPARIAN MEADOW		10.2
RIPARIAN SHRUBLAND		17.9
WATER		NONE
ROCK/ROCK OUTCROP/TALUS		17.1
GREASEWOOD SHRUBLAND		171.9
MIXED DESERT SHRUBLAND		95.7
MATSCALE SHRUBLAND		NONE
PINYON-JUNIPER WOODLAND		NONE
COTTONWOOD WOODLAND		NONE
ANNUAL FORBS		102.9
ROADS		5.8
INDUSTRIAL (COAL MINING)		19.5
OTHER DISTURBED LANDS		NONE
TOTAL		441.0

LAND USES	ACRES
GRAZING / WILDLIFE HABITAT	415.7
INDUSTRIAL (COAL MINING)	19.5
ROADS	5.8
TOTAL	441.0

REGISTERED PROFESSIONAL ENGINEER No. 168246 RICHARD B. WHITE 6/15/2010 STATE OF UTAH

EarthFax

BASE MAP:
U.S.G.S. 7.5 MINUTE QUADRANGLE'S. EMERY WEST 1968. EMERY EAST 1968, PHOTO REVISED 1978. MESA BUTTE 1968, PHOTO REVISED 1978. WALKER FLAT 1968, PHOTO REVISED 1978.

COORDINATE SYSTEM:
STATE PLANE COORDINATES:
NAD 83 CONUS
ZONE 4302-UTAH, CENTRAL - US FEET
VERTICAL DATUM - NAVD 88-US FEET

ORIGINAL FIELD SURVEY:
3/99 AND REPORT 12/80 BY STOECKER-KEAMMERER AND ASSOC.

EXTERNAL REFERENCE:
G:\UC982\XREF-CURRENT\XREF-USGSMAP.DWG
G:\UC982\XREF-CURRENT\XREF-PERM-ZZNW.DWG
G:\UC982\XREF-CURRENT\XREF-SECTION.DWG
G:\UC982\XREF-CURRENT\XREF-LOM.DWG

REVISIONS NO.	DATE	BY	DESCRIPTION
1	8/20/01	TDK	AM01B AMMENDMENT TO REFERENCE AREA
2	6/30/05	JAG	ADDED FIRST NORTH I.B.C.
3	09/05	JAG	1st SOUTH FULL EXTRACTION
4	12/12/06	JAG	1st NORTH FED LEASE IBC, FULL EXTRACTION
5	04/07	JAG	T.22/T.23S., R.5E, SW FULL EXTRACT

NO.	DATE	BY	DESCRIPTION
6	03/08	JAG	ADDITIONAL FULL EXTRACTION ZERO NORTH
7	03/08	JAG	LIFE OF MINE FULL EXTRACTION
8	05/09	JAG	ZZ NORTH, ADJ. VS. PERMIT 05-0049
9	08/09	JAG	ZZ NORTH, MILLER CANYON LBA UTU-86036
10	04/10	JAG	ZZN WEDGE

0' 1000'
SCALE: 1" = 1000'
CONTOUR INTERVAL = 40'

DRAWN BY: SWF
CHECKED BY: JAG
ORIGINAL DATE: 8/95
RE-DRAWN DATE:12/05
APPROVED BY: JAG
DWG DATA: G:\UC982\12\PRESUBSIDENCE SURVEYS\TOTAL EXT\PLATEVIII-1-TOT.DWG

EMERY MINE
EMERY COUNTY, UTAH
PERMIT NO.
ACT015/015

CONSOLIDATION COAL COMPANY
P.O. BOX 566
SESSER, IL 62884-0566

PLATE VIII-1
VEGETATION AND LANDUSE MAP

G:\UC982\08 - Full extraction plans\ZZNW\PLATE VIII-1-ZZNW.dwg, 4/6/2010 9:21:09 AM