N.6,780,000 E.1,690,000 E.1,700,000 E.1,710,000 E.1,720,000 N.6,780,000

R5E R6E

FAULT ZONE

PARADISE VALLEY

JOE'S VALLEY

SEVIER COUNTY
EMERY COUNTY

FC47WW (EMERY TOWN WELLS

FC6WW (KEMMERER WELL)

USGS 1-4

FEDERAL LEASE IBC

FED LEASE U-50044

FED LEASE U-50038

FED LEASE U-3267

QUITCH #1

BLUEGATE #3

WELL H

WELL I2

USGS 1-3

WELL

EMRIA #1

FC346WW

EMRIA #3

EMRIA #2

WELL SM1-1

SRUB-1068

SP-15

SRUB-1061

SRUB-1049

SRUB-1046

SRUB-1037

WELL SM1-3

MUDDY #4

4th EAST PORTAL

WELL SM1-2

UPDES 009

MUDDY #3

USGS 1-1
USGS 1-2
USGS 3-1
USGS 4-1

SWMS-2

FC343WW

FCJKWW

FC363WW

MUDDY #2

UPDES 004

SP-14

SP-13

SP-11

SP-10

WELL I-1 AND I-2

SWMS-1A

UPDES 003

WELL TP

WELL T2

WELL T1

LEWIS WELL

EXCLUSION AREA (NO MINING) BEHIND NO STATE LEASE

WELL RDA1

WELL RDA2

WELL RDA3

WELL RDA4

WELL RDA5

WELL RDA6

UPDES 007

UPDES 001

SWMS-82

SITE 1

WELL WW1

UPDES 006

UPDES 002

SWMS-4 (USGS GAGING STATION

UPDES 005

SWMS-3 (FLUME)

SWMS-5 (USGS GAGING STATION)

MUDDY #1

WELL ZZ

WELL SM1-4

USGS 2-4

BRYANT WELL

WELL AA

EMRIA #4

USGS 2-3

USGS 2-1

SWMS-9

SWMS-10

APPROXIMATE AREA OF HYDROLOGIC EVALUATION

T 22 S
T 23 S

N.6,760,000 N.6,750,000 N.6,740,000 N.6,730,000 N.6,720,000

E.1,690,000 E.1,700,000 E.1,710,000

UPDES PERMIT	UPDES OUTFALL	MRP POND ID	SWMS (SURFACE WATER MONITORING SITE #)	COMMENT
UT0022616 (DEEP MINE)	001	1	6	U/G PUMP 1 IN SERVICE
	002	2	7	BEHIND SHOP NORTH IN SERVICE
	003	6	12	U/G PUMP 3 IN SERVICE
	004	6	13	FARMERS POND IRR. WATER IN SERVICE (ALTERNATE DISCHARGE FOR 003)
	005	3	14	BEHIND SHOP SOUTH
	006	8	14	IN SERVICE
	007	5	11	IN SERVICE
	009	9	11	4 EAST PORTAL SITE

UPDES OUTFALL # (CORRESPONDS TO APPROVED UPDES PERMIT UT0022616 OUTFALLS)
MRP POND ID (CORRESPONDS TO POND DESIGN DATA IN DOGM PERMIT 015/015-CHAPTER VI)
SURFACE WATER MONITORING SITE # (CORRESPONDS WITH BASE LINE AND CURRENT MONITORING SITES)

LEGEND

- PERMIT AREA BOUNDARY
- APPROXIMATE AREA OF HYDROLOGIC EVALUATION
- ADJACENT AREA FOR NON-WATER RESOURCES
- GROUND WATER MONITORING WELL- QUARTERLY STATIC WATER LEVELS
- GROUND WATER MONITORING WELL- PERIODIC STATIC WATER LEVELS
- GROUND WATER MONITORING WELL- QUARTERLY WATER QUALITY SAMPLES
- GROUND WATER MONITORING WELL- AQUIFER TEST SITE
- GROUND WATER MONITORING WELL- ABANDONED
- MONITORED IRRIGATION SEEP
- MONITORED SPRING
- SURFACE WATER MONITORING SITE
- UPDES DISCHARGE POINT

REGISTERED PROFESSIONAL ENGINEER
No. 168246
RICHARD B. WHITE
NOT VALID WITHOUT A SIGNATURE
6 Oct 2009
STATE OF UTAH

RECEIVED
OCT 08 2009
DIV. OF OIL, GAS & MINING

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 FLATE 1968, PHOTO REVISED 1978.

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

EXTERNAL REFERENCE:
G:\UC982\XREFS-CURRENT\XREF-USGSMAP.DWG
G:\UC982\XREFS-CURRENT\XREF-PERM-MAR2007
G:\UC982\XREFS-CURRENT\XREF-SECTION.DWG

REVISIONS

NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	9/6/88	RJD	SITES REVISED ACCORD. TO MPTR SUBMITTAL & ADD. OF NPDES 003	6	12/12/06	JAG	1st NORTH FED LEASE IBC, FULL EXTRACTION
2	8/1/89	RJD	ADDITION OF NPDES 0	7	03/08	JAG	UPDATE MAP (OLD VI-3)
3	8/7/90	RJD	ADDITION OF SW SITES 14 & 15	8	05/09	JAG	ZZ NORTH, ADJ. VS. PERMIT, HYDRO BOUNDARY DEF. 3099
4	9/95		AMENDED PERMIT BOUNDARY TO EXCLUDE EXPIRED STATE LEASE	9	08/09	JAG	ZZ NORTH, MILLER CANYON LBA UTU-86038
5	6/30/05	JAG	ADDED FIRST NORTH I.B.C.				

0' 2000'
SCALE: 1" = 2000'
CONTOUR INTERVAL = 40'

DRAWN BY: SWF
CHECKED BY: JAG
ORIGINAL DATE: 1/81
RE-DRAWN DATE: 7/05
APPROVED BY: JAG
DWG DATA: G:\UC982\14-HYDROLOGY REWRITE\CHAPVI-PLATES\PLATE VI-4.DWG

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

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

PLATE VI-4
GROUND WATER MONITORING WELL AND SURFACE WATER MONITORING SITE LOCATION MAP