LONG TERM WATER SOURCES

LOCATION NUMBER	LOCATION DESCRIPTION	TYPE
1	MAIN NORTH - MAIN EAST	EXPLORATION BORE HOLE
2	3RD NORTH X-CUT 65 2R (TW-10 DRILL HOLE)	HORIZONTAL DRILL HOLE INTO GRABEN AREA

PIEZOMETRIC DRILL HOLES

LOCATION NUMBER	LOCATION DESCRIPTION	STATUS
DCP-1	3RD NORTH X-CUT 8	ACTIVE
DCP-2	3RD NORTH X-CUT 29	CRUSHED
DCP-3	3RD NORTH X-CUT 55	CRUSHED
DCP-4	FIRST WEST MAINS X-CUT 29	SEALED

MINE WORKINGS UPDATED TO: JUNE 1, 2008

WATER SOURCES LEGEND

- 2 — LOCATION NUMBER
- 1 — WATER SOURCE TYPE (SEE FIGURE 8, 1982 HYDROLOGIC MONITORING REPORT)
- LONG TERM MONITORING LOCATION
- PAST MONITORING LOCATION (NOW DRY)
- 79 — LAST YEAR OF MEASURABLE FLOW
- PIEZOMETRIC DRILL HOLE STUDY LOCATION '86 LAST YEAR OF MEASUREMENT WATER SOURCE TYPE (SEE FIGURE 8 - 1982 HYDROLOGIC MONITORING REPORT)
- 1 — SANDSTONE CHANNEL
- 2 — FAULT
- 3 — JOINTS AND FRACTURES
- 4A — ROOF BOLT HOLE
- 4B — EXPLORATION BORE HOLE

LEGEND

- LEASE BOUNDARY
- LEASE RELINQUISHMENT BOUNDARY
- U-044025 — LEASE NUMBERS
- FAULT (DASHED WHERE INFERRED)
- SANDSTONE CHANNELS
- EM-35 — DRILL HOLES
- SECTION LINES
- 23 — SECTION NUMBERS
- CURRENT FLOW
- +4802 — IN-MINE DRILL HOLE
- 7800 — BLIND CANYON COAL SEAM STRUCTURE CONTOURS (FLOOR ELEVATIONS)
- SEAL

ML-48258 SLB-1

U-024317

U.P.&L. CO. FEE

U-06039

SL-051221

U-2810

SL-050862

U-014275

U-024319 RELINQUISHED APRIL 24, 1992

U-7653 Coal Sublease Terminated Effective 3/18/02

U-47977

STATE ML-22509 Relinquished 12/6/01

U-47979 RELINQUISHED APRIL 24, 1992

SL-064607 064621 RELINQUISHED APRIL 24, 1992

SULA #1382

U-084923

U-084924

U-47979

SL-070645 U-02292 RELINQUISHED APRIL 24, 1992

SL-066116 RELINQUISHED APRIL 24, 1992

SL-066116 RELINQUISHED MAY 15, 1995

U-02664 RELINQUISHED APRIL 24, 1992

McKINNON FEE

L.D.S. FEE Relinquished 11/18/98

U-1358 RELINQUISHED APRIL 24, 1992

U-1358 RELINQUISHED JUNE 12, 1995

U-02664 RELIN. 4-24-92

SL-064900

U-044025

U-1358 RELINQUISHED APRIL 24, 1992

U-02664

U-040151

U-083066

U-082996

U-47978

U-47978 RELINQUISHED APRIL 24, 1992

L.D.S. FEE

RILDA CANYON PORTALS ELEV. 7841'

3RD NORTH-9TH EAST PORTALS ELEV. 7600'

DEER CREEK INTAKE PORTAL ELEV. 7410'

MCKINNON PORTALS ELEV. 7500'

9TH EAST PORTALS ELEV. 7771' SEALED 1990 RECLAIMED NOV. 99

DCP-3 (CASING CRUSHED-TERMINATED 9/91)

DCP-4 (SEALED AREA TERMINATED 6/93)

DCP-2 (CASING CRUSHED-TERMINATED 12/90)

DCP-1

TW-10

WATER PRODUCING FRACTURE

Left Fork Fault Zone

ROAN'S CANYON FAULT GRABEN

STRAIGHT CANYON SYNCLINE

2nd West Tailgate

2nd West Headgate

R. 6 E. R. 7 E.

T. 16 S. T. 17 S.

CAD FILE NAME/DISK#: HM-2.DWG

HM-2

DATE	REVISIONS	BY	CHK
3-22-07	UPDATED LEASE BOUNDARIES TO REFLECT LEASE RELINQUISHMENTS	KJL	
2-14-06	UPDATED MINE WORKINGS	KJL	
4-14-05	UPDATED WORKINGS AND SANDSTONE CHANNELS	KJL	
2-16-04	UPDATED WORKINGS/SANDSTONE CHANNELS, ADDED LEASE ML-48258	KJL	
3-6-02	UPDATED WORKINGS/SANDSTONE CHANNELS, ADDED IBC TO U-06039	KJL	
2-22-01	UPDATED MINE WORKINGS AND SANDSTONE CHANNELS	KJL	
12-4-00	UPDATED MINE WORKINGS AND BLIND CANYON STRUCTURE CONTOURS	KJL	
12-21-99	UPDATED CHANNELS ADDED SEALS & B.C. STRUCTURE CONTOURS	KJL	
1-28-99	UPDATED D.C. PERMIT BOUNDARY U-06039	KJL	
3-19-98	UPDATED MINE WORKINGS AND SANDSTONE CHANNELS	KJL	
9-15-97	ADDED DRILL HOLES 159-164 IN RILDA CANYON	KJL	
8-27-97	ADDED IN-MINE DRILL HOLES, UPDATED MINE WORKINGS	KJL	

ENERGY WEST MINING COMPANY
A SUBSIDIARY OF PACIFICORP

EAST MOUNTAIN PROPERTY
BLIND CANYON COAL SEAM
IN-MINE WATER MONITORING LOCATIONS

DRAWN BY: K. LARSEN
SCALE: 1"=1000'
DATE: MAY 13, 2009
CE-10533-DR
DRAWING #:
SHEET 1 OF 1
REV.

STATE OF UTAH REFERENCE NUMBER 5234167-2250 CHARLES A. SEMBINOWICZ LICENSED PROFESSIONAL ENGINEER