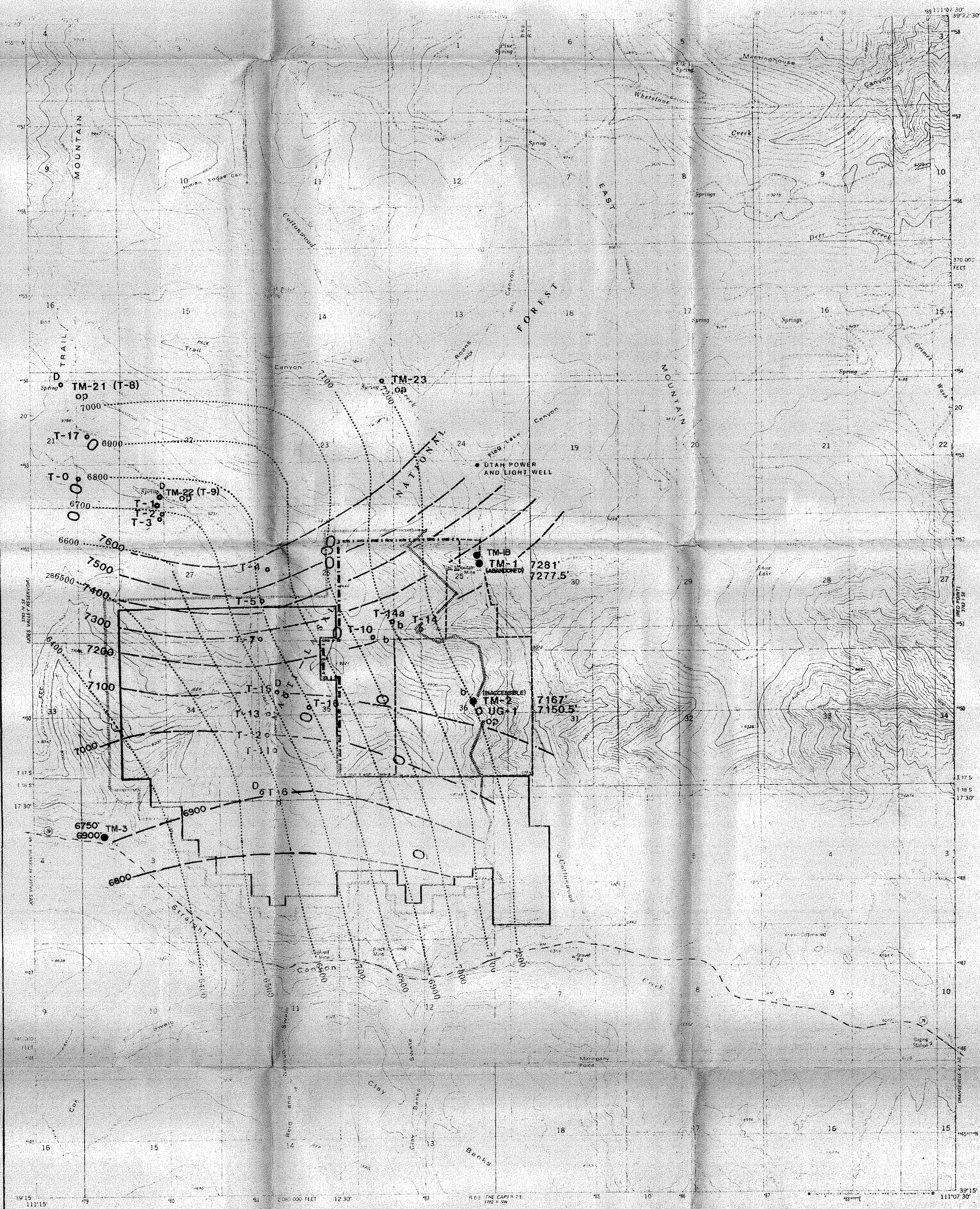

- SPRINGS 10/85 & 9/86 SEEPS & SPRINGS SURVEY
- D DEVELOPED SPRINGS (WITH STOCK WATERING TROUGH)
- b SPRINGS THAT ARE CURRENTLY BEING MONITORED FOR BASELINE DATA (USING DOGM 1986 REVISED WATER QUALITY MONITORING GUIDELINES) SEE APPENDIX 7-3
- op SPRINGS THAT ARE CURRENTLY BEING MONITORED FOR OPERATIONAL PHASE DATA (USING DOGM 1986 REVISED WATER QUALITY MONITORING GUIDELINES) SEE APPENDIX 7-3
- ● MONITORING WELL
  7281 - ELEVATION OF THE BASE OF THE HIAWATHA SEAM
  7277.5' - ELEVATION OF THE POTENTIOMETERIC SURFACE OF THE STARPOINT-BLACKHAWK AQUIFER
- ⊙ IN-MINE GROUNDWATER LOCATION
- POND - RUNOFF FED
- POND - SPRING FED

LOCATIONS TM-21, TM-22, TM-23, UG-1 ARE OPERATIONAL PHASE MONITORING LOCATIONS (TRACT 1)

LOCATIONS T-0 THROUGH T-17 ARE 1985-86 SPRINGS WITH STATION NUMBERS

PERMIT APPLICATION AREA (UTU-64375)

TRACT 1 PERMIT AREA

TRACT 2 PERMIT AREA

CONTOURS ON POTENTIOMETERIC SURFACE OF THE BLACK HAWK STARPOINT AQUIFER AT THE LEVEL OF THE HIAWATHA COAL BED (MODIFIED, USING NEW DATA, AFTER LINES 1985)

7100 STRUCTURE CONTOUR ON THE BASE OF THE HIAWATHA COAL SEAM (TOP OF THE STARPOINT)

PLAN VIEW OF THE PROJECTED MAXIMUM AREA OF SUBSIDENCE AT THE SURFACE. PROJECTION CONFORMS WITH THE ANGLE-OF-DRAW VALUES FOUND IN CHAPTER 12 OF THE TRACT 2 MRP

Dan W. Guy
1/3/91

LICENSED PROFESSIONAL ENGINEER
JOHN CHRISTIAN BOSSEN
No. 165681
STATE OF UTAH
1/9/95

ENERGY WEST MINING CO.

TRAIL MOUNTAIN MINE

LOCATION OF SEEPS AND SPRINGS AND THE RELATIONSHIP OF THE BLACKHAWK-STARPOINT AQUIFER TO PROPOSED MINE WORKINGS

REVISION			
DATE	BY	GEOLOGY BY	
		ENGINEERING BY	
11-22-86	APC	SURVEYED BY	JBR APC
3/87	APC	PREPARED BY	APC
8-1-88	D. GUY	APPROVED BY	APC
5/90	K.S.F.	SCALE	SHEET 1 OF 1
8/94	PKB		DWG. NO.
1/95	PKB	0 2000	

PLATE 7-1

SUPERSEDED
EFFECTIVE:
AUG 0 8 1997
UTAH DIVISION OIL, GAS AND MINING