



NOTE:
 1. CONTACTS HAVE NOT BEEN FIELD CHECKED.
 2. FAULTS PROJECTED TO SURFACE FROM MINE.

EXPLANATION

- UPPER HIAWATHA COAL SEAM OUTCROP
- EXTERIOR LEASE BOUNDARY
- INTERIOR LEASE BOUNDARY
- MINE BASE COORDINATES
- STATE PLANE COORDINATES
- DRILLHOLE LOCATION AND NUMBER
- DRILLHOLE SURFACE ELEVATION
- FORMATION OR MEMBER CONTACT
- FAULTS WITH GREATER THAN 2' DISPLACEMENT MAPPED IN MINE
- A'---A' CROSS-SECTION (SEE PLATE 6-2, 6-3, 6-4 AND 6-5)
- PROPOSED NEWLY BUILT ACCESS ROUTES
- PROPOSED ACCESS ROUTES USING EXISTING WHEEL TRACKS OR EXISTING SURFACE

GEOLOGIC KEY

AGE	SYMBOL	NAME
QUATERNARY	Qa	ALLUVIUM, HILL WASH, SLUMPS UNDIFFERENTIATED
TERTI-CRET	T-Knh	NORTH HORN FORMATION
CRETACEOUS	Kpr	PRICE RIVER FORMATION
	Kc	CASTLEGATE SANDSTONE FORMATION
	Kbh	BLACKHAWK FORMATION-UPPER MEMBER
	Ksp	BLACKHAWK FORMATION-STARPOINT SANDSTONE MEMBER
	Kmm	MANCOS SHALE-MASUK MEMBER
		CALCULATED STRIKE AND DIP TOP UPPER HIAWATHA COAL SEAM
		COAL BURN

- SOURCES:
- QUITCHUPAH LEASE ADDITION, VOLUME 10, MAPS 5.2, 5.3, 6.1, 1989 HYDROMETRICS INC. SOUTHERN UTAH FUEL COMPANY'S HYDROLOGICAL RESPONSE TO OSM'S APPARENT COMPLETENESS REVIEW
 - MANTI-LA SAL NATIONAL FOREST-PINES TRACT PROJECT FINAL ENVIRONMENTAL IMPACT STATEMENT (FEIS) FIGURE 3-1 GEOLOGY MAP JANUARY 1999 USFS FOREST SERVICE, REGION FOUR MANTI-LA SAL NATIONAL FOREST EMERY AND SEVIER COUNTIES, UTAH
 - COAL TRACT EVALUATIONS ON THE MANTI-LASAL NATIONAL FOREST MUDDY CREEK AND NORTH HORN SURFACE AND GROUND WATER TECHNICAL REPORTS FIGURE 2 GEOLOGY MAP WITH SPRING LOCATIONS, MUDDY COAL TRACT E.S., EMERY CO. UTAH OCTOBER 2004

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I CERTIFY THE ITEMS SHOWN ON THIS DRAWING ARE ACCURATE TO THE BEST OF MY KNOWLEDGE.



REVISIONS				
NO.	DATE	REQ. BY	DWG. BY	REMARKS
1	11/24/98	WKS	IBH	
2	02/19/99	MLD	IBH	
3	12/16/99	MLD	IBH	
4	05/20/05	MLD	IBH	
5	05/08/07	MLD	IBH	
7	06/17/10	MLD	IBH	

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GEOLOGY AND DRILLHOLE LOCATION MAP

SCALE: 1" = 2000'
 DATE: 01/09/97
 DRAWN BY: K.W.
 ENGINEER: WKS
 SHEET NO.: PLATE 6-1v7

FILE NO.: H:\DRAWINGS\MP\PLATES\PLATE 6-1v7.dwg